

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD080618\
 Data File : VD059688.D
 Acq On : 6 Aug 2018 12:05
 Operator : VA/AP
 Sample : VSTDICCC050
 Misc : 5.00g/5ml/MSVOA D/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDICCC050

Quant Time: Aug 07 04:00:24 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D080618S.M
 Quant Title : SW846 8260
 QLast Update : Tue Aug 07 03:58:09 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.62	168	197529	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.68	114	250089	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.68	117	207841	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.90	152	107076	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.00	65	141377	54.59	ug/l	0.00
Spiked Amount	50.000		Recovery	=	109.18%	
35) Dibromofluoromethane	5.53	113	122128	52.92	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.84%	
50) Toluene-d8	8.69	98	257692	51.31	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.62%	
62) 4-Bromofluorobenzene	11.92	95	119227	51.21	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.42%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.33	85	158457	57.58	ug/l	100
3) Chloromethane	1.47	50	71182	59.02	ug/l	100
4) Vinyl Chloride	1.54	62	85084	59.19	ug/l	100
5) Bromomethane	1.78	94	32044	63.70	ug/l	100
6) Chloroethane	1.87	64	39819	69.28	ug/l	100
7) Trichlorofluoromethane	2.07	101	138512	59.56	ug/l	100
8) Diethyl Ether	2.33	74	25924	59.75	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	2.54	101	75785	56.45	ug/l	100
10) Methyl Iodide	2.67	142	93046	60.74	ug/l	100
11) Tert butyl alcohol	3.24	59	26095	286.93	ug/l	100
12) 1,1-Dichloroethene	2.53	96	58411	58.85	ug/l	100
13) Acrolein	2.46	56	24090	277.47	ug/l	100
14) Allyl chloride	2.90	41	125264	55.56	ug/l	100
15) Acrylonitrile	3.33	53	72027	275.49	ug/l	100
16) Acetone	2.59	43	145092	301.99	ug/l	100
17) Carbon Disulfide	2.73	76	209827	59.76	ug/l	100
18) Methyl Acetate	2.92	43	45962	53.45	ug/l	100
19) Methyl tert-butyl Ether	3.39	73	215275	56.37	ug/l	100
20) Methylene Chloride	3.05	84	66195	36.97	ug/l	100
21) trans-1,2-Dichloroethene	3.36	96	73597	54.67	ug/l	100
22) Diisopropyl ether	4.05	45	282133	54.81	ug/l	100
23) Vinyl Acetate	3.99	43	887264	276.16	ug/l	100
24) 1,1-Dichloroethane	3.95	63	188962	54.50	ug/l	100
25) 2-Butanone	4.82	43	181603	296.45	ug/l	100
26) 2,2-Dichloropropane	4.78	77	205396	54.56	ug/l	100
27) cis-1,2-Dichloroethene	4.79	96	100398	55.16	ug/l	100
28) Bromochloromethane	5.12	49	66117	51.45	ug/l	100
29) Tetrahydrofuran	5.16	42	64937	270.93	ug/l	100
30) Chloroform	5.30	83	230009	54.96	ug/l	100
31) Cyclohexane	5.57	56	125033	49.54	ug/l	100
32) 1,1,1-Trichloroethane	5.49	97	231181	56.36	ug/l	100
36) 1,1-Dichloropropene	5.72	75	152381	54.50	ug/l	100
37) Ethyl Acetate	4.91	43	73625	55.99	ug/l	100
38) Carbon Tetrachloride	5.70	117	205265	54.21	ug/l	100

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD080618\
 Data File : VD059688.D
 Acq On : 6 Aug 2018 12:05
 Operator : VA/AP
 Sample : VSTDICCC050
 Misc : 5.00g/5ml/MSVOA D/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDICCC050

Quant Time: Aug 07 04:00:24 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D080618S.M
 Quant Title : SW846 8260
 QLast Update : Tue Aug 07 03:58:09 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.27	83	130344	56.33	ug/l	100
40) Benzene	6.00	78	292287	54.24	ug/l	100
41) Methacrylonitrile	5.10	41	36398	57.13	ug/l	100
42) 1,2-Dichloroethane	6.11	62	186822	56.30	ug/l	100
43) Isopropyl Acetate	7.60	43	98629	56.61	ug/l	100
44) Trichloroethene	6.96	130	106815	54.32	ug/l	100
45) 1,2-Dichloropropane	7.34	63	75084	53.93	ug/l	100
46) Dibromomethane	7.44	93	70446	57.50	ug/l	100
47) Bromodichloromethane	7.72	83	175197	55.77	ug/l	100
48) Methyl methacrylate	7.48	41	64551	55.93	ug/l	100
49) 1,4-Dioxane	7.46	88	11065	1232.54	ug/l	100
51) 4-Methyl-2-Pentanone	8.59	43	376348	296.66	ug/l	100
52) Toluene	8.79	92	178520	52.59	ug/l	100
53) t-1,3-Dichloropropene	9.18	75	147670	55.50	ug/l	100
54) cis-1,3-Dichloropropene	8.35	75	146740	54.65	ug/l	100
55) 1,1,2-Trichloroethane	9.44	97	66573	51.14	ug/l	100
56) Ethyl methacrylate	9.30	69	80739	54.84	ug/l	100
57) 1,3-Dichloropropane	9.65	76	111781	53.40	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.17	63	181276	260.90	ug/l	100
59) 2-Hexanone	9.78	43	287778	299.72	ug/l	100
60) Dibromochloromethane	9.94	129	120197	56.77	ug/l	100
61) 1,2-Dibromoethane	10.08	107	85578	55.80	ug/l	100
64) Tetrachloroethene	9.50	164	103089	53.28	ug/l	100
65) Chlorobenzene	10.71	112	219658	52.07	ug/l	100
66) 1,1,1,2-Tetrachloroethane	10.84	131	98769	52.09	ug/l	100
67) Ethyl Benzene	10.85	91	398415	51.09	ug/l	100
68) m/p-Xylenes	11.01	106	251907	101.80	ug/l	100
69) o-Xylene	11.40	106	123605	50.94	ug/l	100
70) Styrene	11.42	104	212092	52.83	ug/l	100
71) Bromoform	11.60	173	81155	56.60	ug/l	100
73) Isopropylbenzene	11.76	105	391383	53.96	ug/l	100
74) N-amyl acetate	11.63	43	132974	58.62	ug/l	100
75) 1,1,2,2-Tetrachloroethane	12.07	83	77281	54.78	ug/l	100
76) 1,2,3-Trichloropropane	12.11	75	90902	54.68	ug/l	100
77) Bromobenzene	12.03	156	114568	55.06	ug/l	100
78) n-propylbenzene	12.15	91	478359	53.32	ug/l	100
79) 2-Chlorotoluene	12.21	91	291585	53.95	ug/l	100
80) 1,3,5-Trimethylbenzene	12.31	105	326850	54.82	ug/l	100
81) trans-1,4-Dichloro-2-buten	11.83	75	23611	56.90	ug/l	100
82) 4-Chlorotoluene	12.31	91	341411	54.04	ug/l	100
83) tert-Butylbenzene	12.57	119	360855	53.57	ug/l	100
84) 1,2,4-Trimethylbenzene	12.62	105	344600	54.53	ug/l	100
85) sec-Butylbenzene	12.75	105	392348	52.77	ug/l	100
86) p-Isopropyltoluene	12.87	119	339690	52.75	ug/l	100
87) 1,3-Dichlorobenzene	12.83	146	187176	51.35	ug/l	100
88) 1,4-Dichlorobenzene	12.92	146	191460	52.31	ug/l	100
89) n-Butylbenzene	13.19	91	339520	53.45	ug/l	100
90) Hexachloroethane	13.40	117	92701	55.13	ug/l	100
91) 1,2-Dichlorobenzene	13.19	146	153390	51.03	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	13.77	75	18958	61.31	ug/l	100

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD080618\
Data File : VD059688.D
Acq On : 6 Aug 2018 12:05
Operator : VA/AP
Sample : VSTDICCC050
Misc : 5.00g/5ml/MSVOA D/SOIL
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :
VSTDICCC050

Quant Time: Aug 07 04:00:24 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D080618S.M
Quant Title : SW846 8260
QLast Update : Tue Aug 07 03:58:09 2018
Response via : Initial Calibration

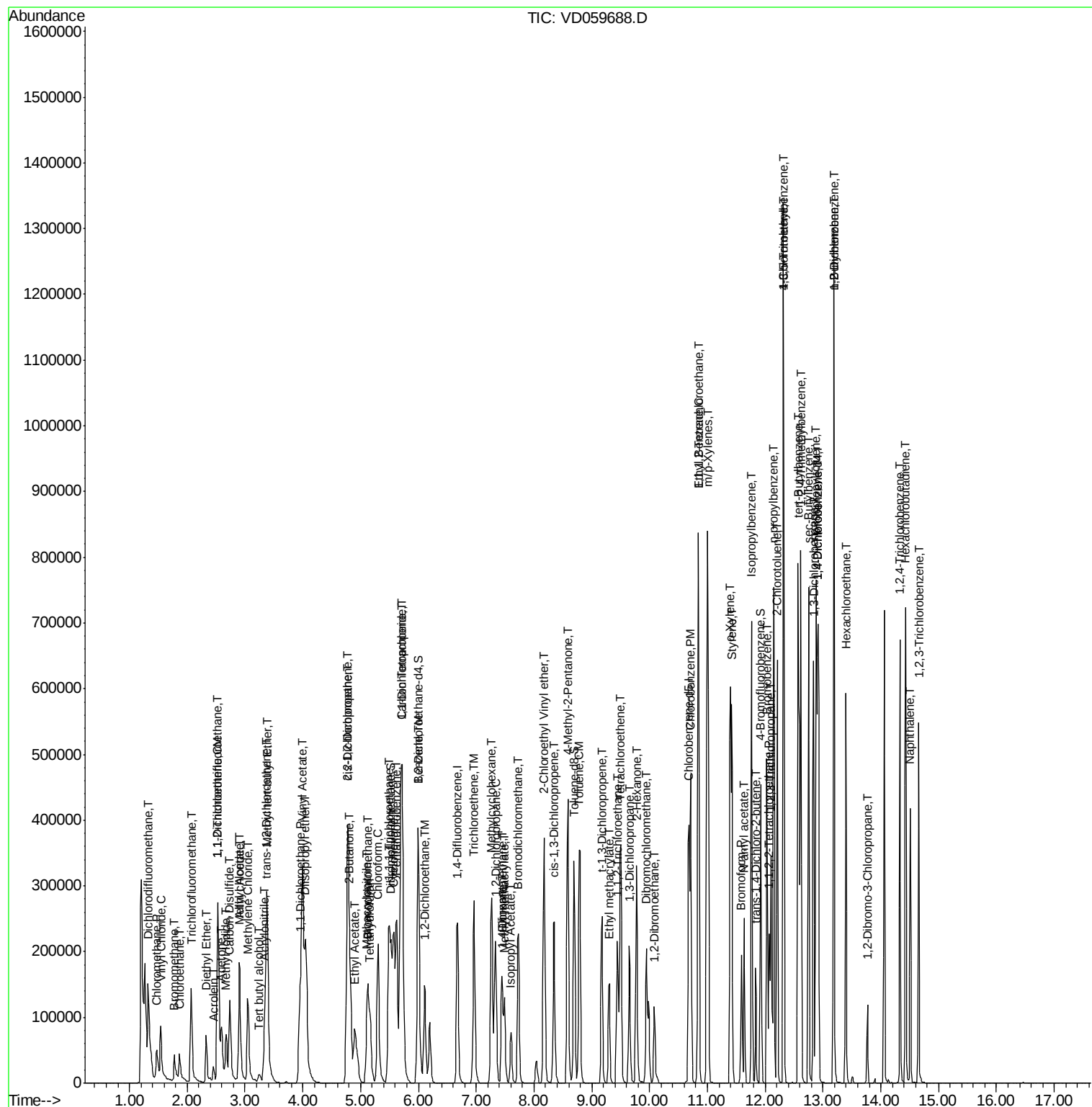
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.33	180	147234	54.52	ug/l	100
94) Hexachlorobutadiene	14.43	225	118118	56.05	ug/l	100
95) Naphthalene	14.51	128	218850	54.16	ug/l	100
96) 1,2,3-Trichlorobenzene	14.65	180	134633	55.80	ug/l	100

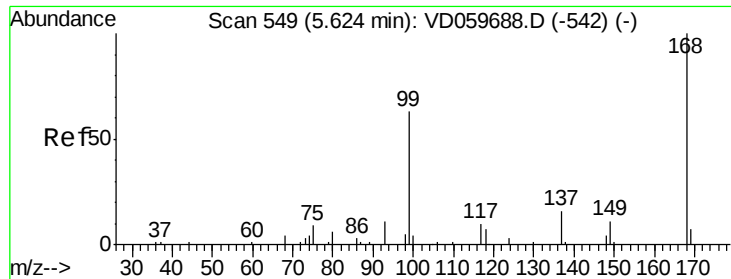
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD080618\
Data File : VD059688.D
Acq On : 6 Aug 2018 12:05
Operator : VA/AP
Sample : VSTDICCC050
Misc : 5.00µl/5ml/MSVOA D/SOIL
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :
VSTDICCC050

Quant Time: Aug 07 04:00:24 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D080618S.M
Quant Title : SW846 8260
QLast Update : Tue Aug 07 03:58:09 2018
Response via : Initial Calibration

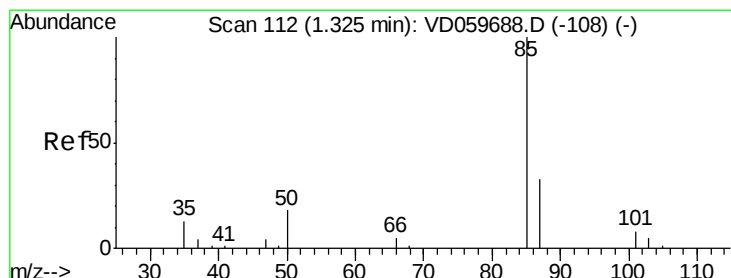
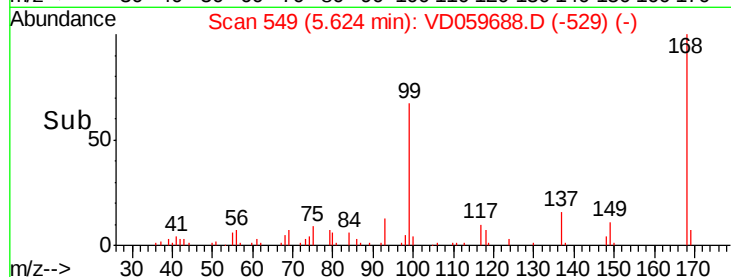
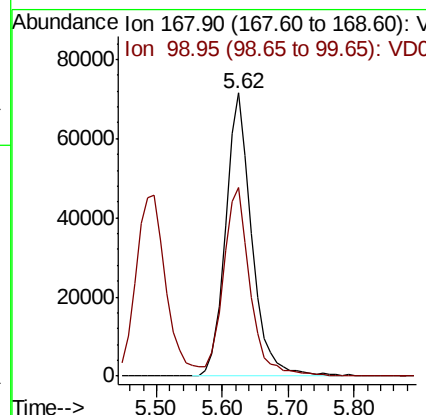
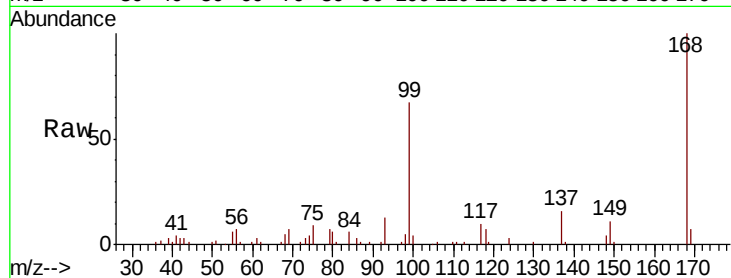




#1
Pentafluorobenzene
Concen: 50.00 ug/l
RT: 5.62 min Scan# 549
Delta R.T. 0.00 min
Lab File: VD059688.D
Acq: 6 Aug 2018 12:05

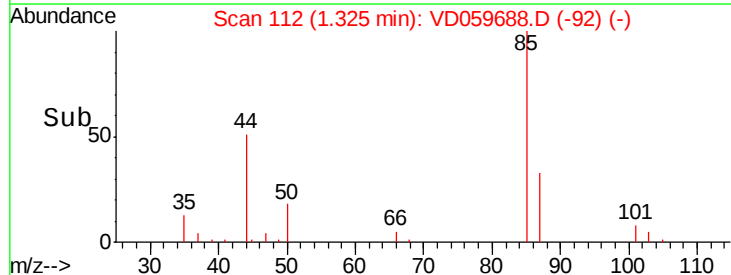
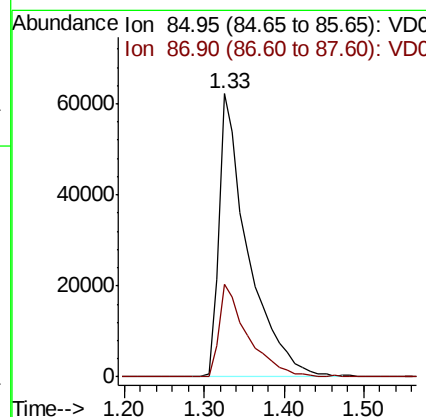
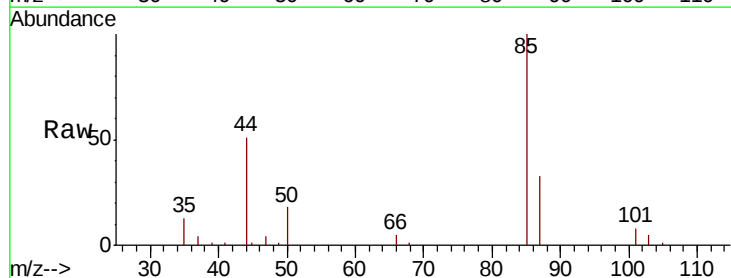
Instrument :
MSVOA_D
ClientSampleId :
VSTDICCC050

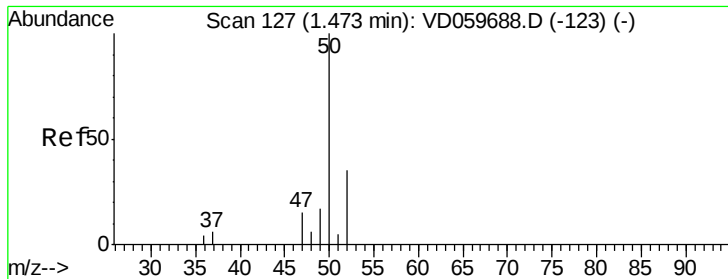
Tot Ion:168 Resp: 197529
Ion Ratio Lower Upper
168 100
99 66.8 53.4 80.2



#2
Dichlorodifluoromethane
Concen: 57.58 ug/l
RT: 1.33 min Scan# 112
Delta R.T. 0.00 min
Lab File: VD059688.D
Acq: 6 Aug 2018 12:05

Tgt Ion: 85 Resp: 158457
Ion Ratio Lower Upper
85 100
87 32.7 16.4 49.1





#3

Chloromethane

Concen: 59.02 ug/l

RT: 1.47 min Scan# 127

Delta R.T. 0.00 min

Lab File: VD059688.D

Acq: 6 Aug 2018 12:05

Instrument :

MSVOA_D

ClientSampleId :

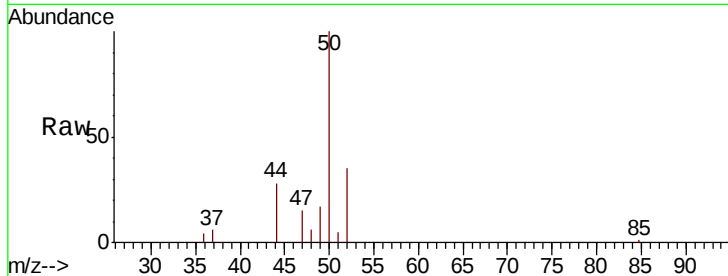
VSTDICCC050

Tot Ion: 50 Resp: 71182

Ion Ratio Lower Upper

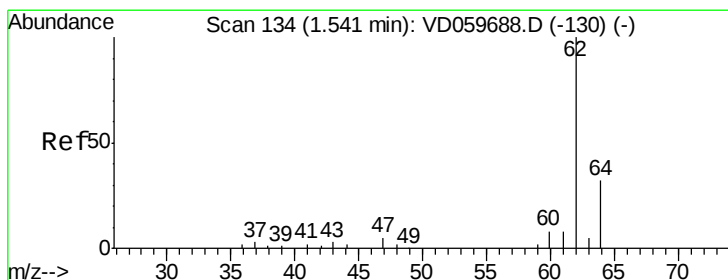
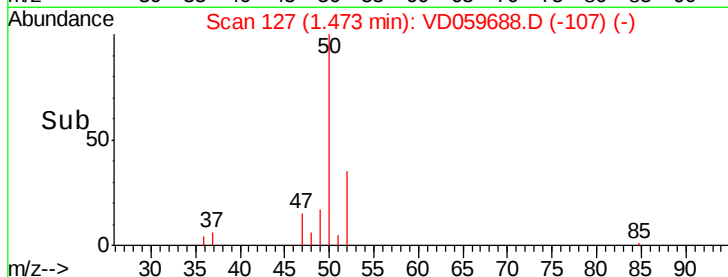
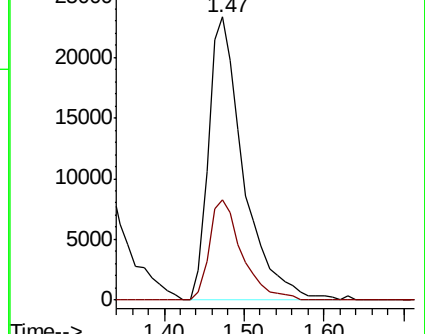
50 100

52 35.3 28.2 42.4



Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC



#4

Vinyl Chloride

Concen: 59.19 ug/l

RT: 1.54 min Scan# 134

Delta R.T. 0.00 min

Lab File: VD059688.D

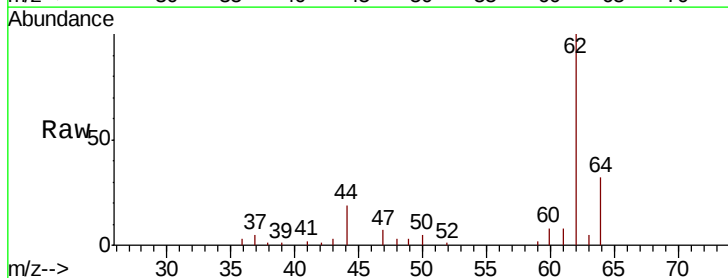
Acq: 6 Aug 2018 12:05

Tgt Ion: 62 Resp: 85084

Ion Ratio Lower Upper

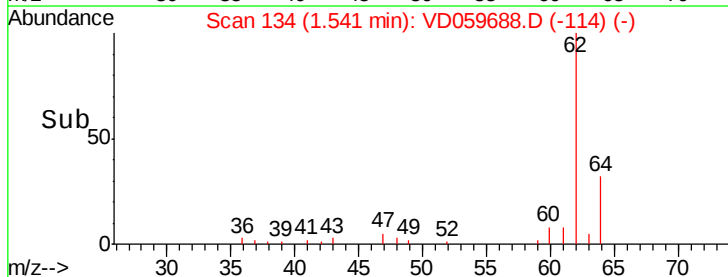
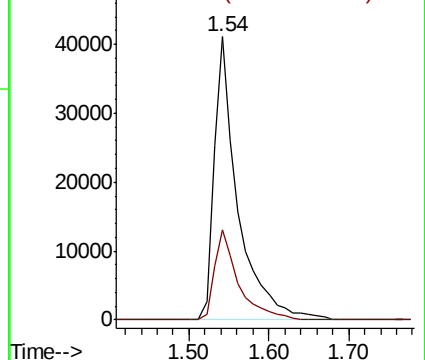
62 100

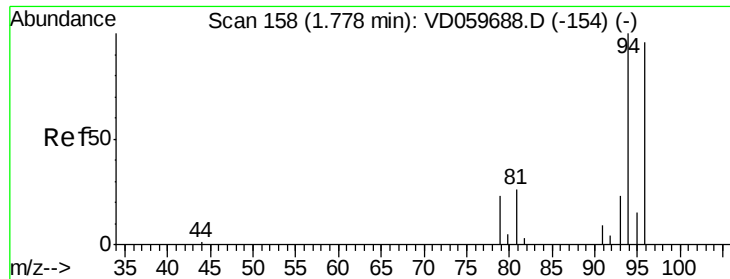
64 31.7 25.4 38.0



Abundance Ion 61.95 (61.65 to 62.65): VDC

Ion 63.95 (63.65 to 64.65): VDC

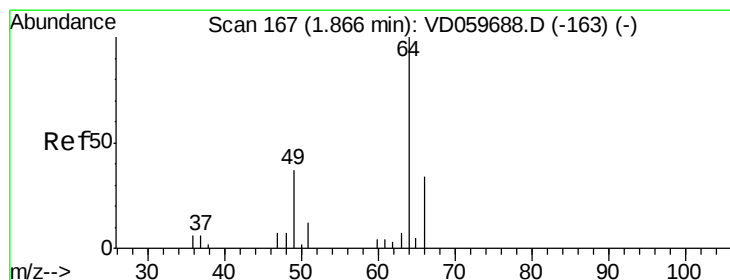
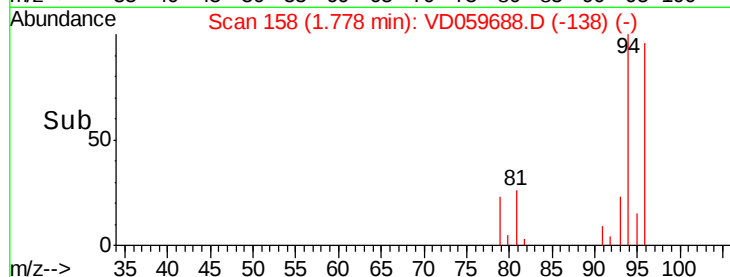
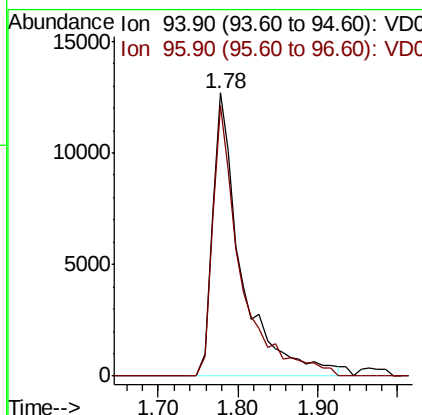
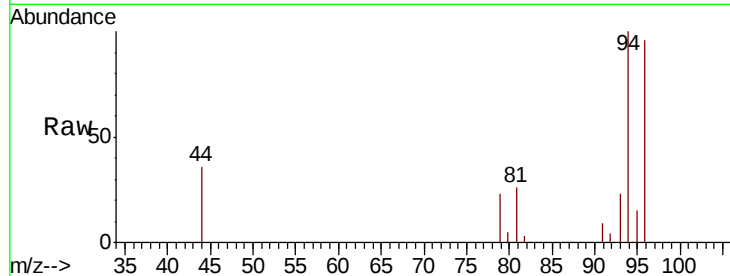




#5
Bromomethane
Concen: 63.70 ug/l
RT: 1.78 min Scan# 158
Delta R.T. 0.00 min
Lab File: VD059688.D
Acq: 6 Aug 2018 12:05

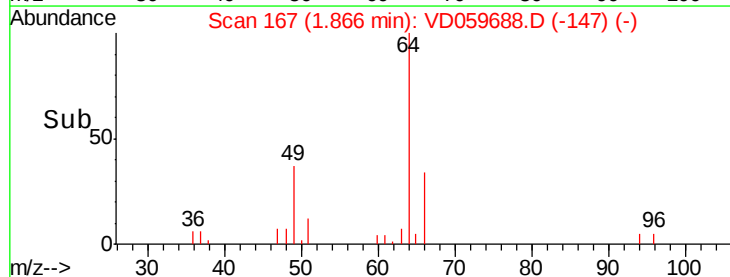
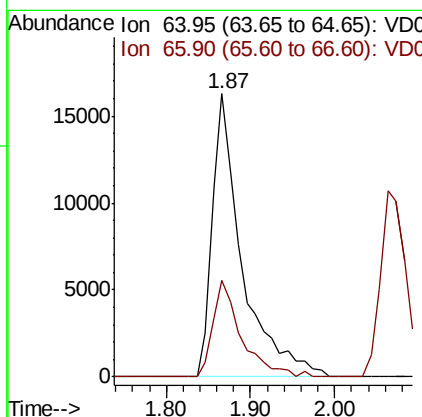
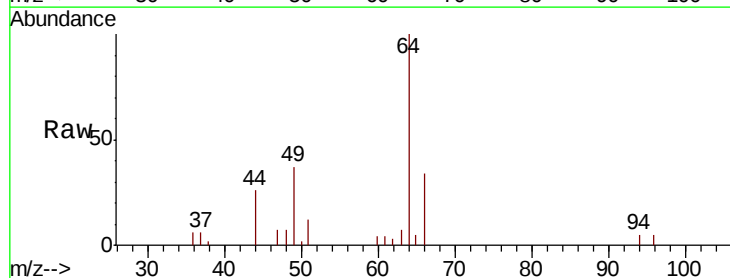
Instrument :
MSVOA_D
ClientSampleId :
VSTDICCC050

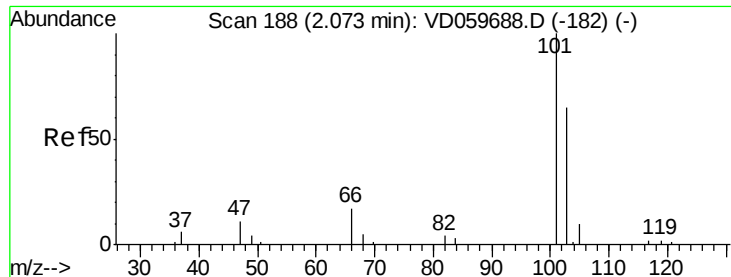
Tot Ion: 94 Resp: 32044
Ion Ratio Lower Upper
94 100
96 95.7 76.6 114.8



#6
Chloroethane
Concen: 69.28 ug/l
RT: 1.87 min Scan# 167
Delta R.T. 0.00 min
Lab File: VD059688.D
Acq: 6 Aug 2018 12:05

Tgt Ion: 64 Resp: 39819
Ion Ratio Lower Upper
64 100
66 34.0 27.2 40.8



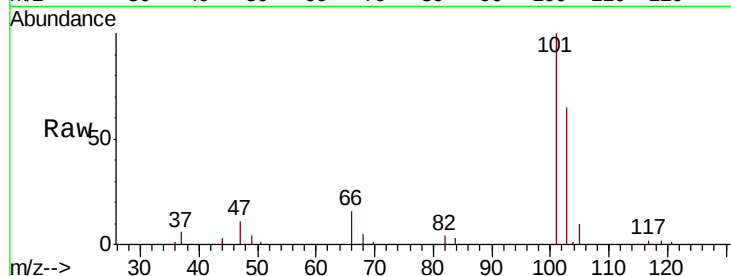


#7

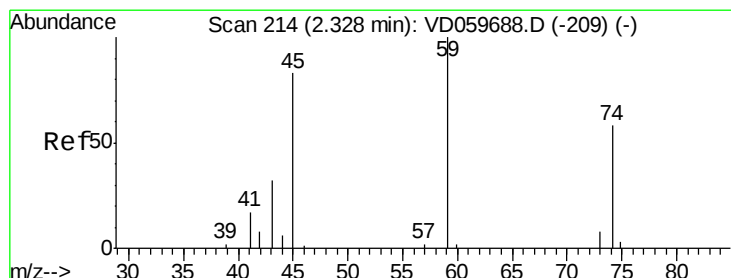
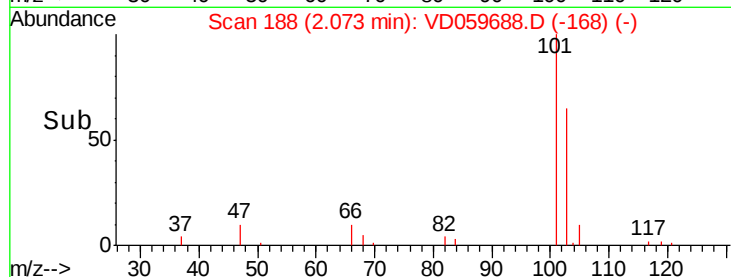
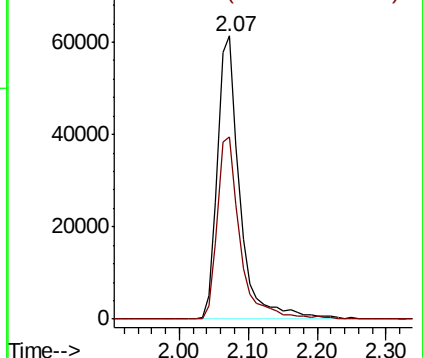
Trichlorofluoromethane
 Concen: 59.56 ug/l
 RT: 2.07 min Scan# 188
 Delta R.T. 0.00 min
 Lab File: VD059688.D
 Acq: 6 Aug 2018 12:05

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDICCC050

Tot Ion:101 Resp: 138512
 Ion Ratio Lower Upper
 101 100
 103 64.6 51.7 77.5



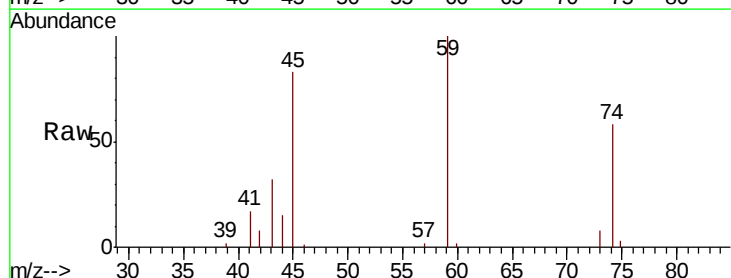
Abundance Ion 100.85 (100.55 to 101.55): V
 Ion 102.85 (102.55 to 103.55): V



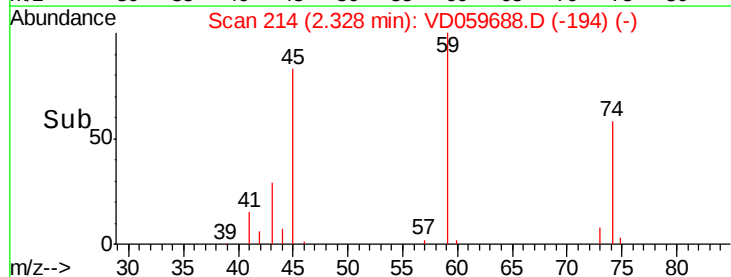
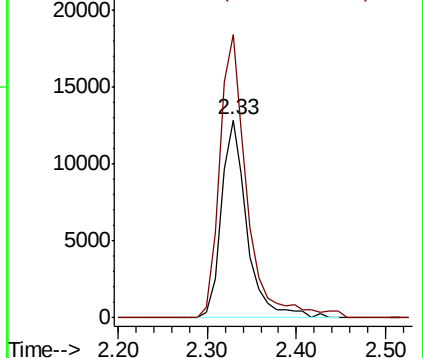
#8

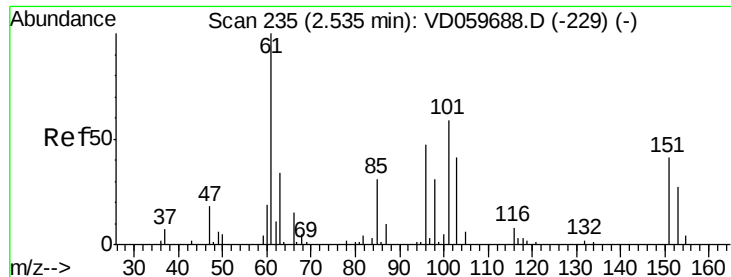
Diethyl Ether
 Concen: 59.75 ug/l
 RT: 2.33 min Scan# 214
 Delta R.T. 0.00 min
 Lab File: VD059688.D
 Acq: 6 Aug 2018 12:05

Tgt Ion: 74 Resp: 25924
 Ion Ratio Lower Upper
 74 100
 45 142.8 71.4 214.2



Abundance Ion 74.00 (73.70 to 74.70): VDC
 Ion 45.05 (44.75 to 45.75): VDC





#9

1,1,2-Trichlorotrifluoroethane

Concen: 56.45 ug/l

RT: 2.54 min Scan# 235

Delta R.T. 0.00 min

Lab File: VD059688.D

Acq: 6 Aug 2018 12:05

Instrument :

MSVOA_D

ClientSampleId :

VSTDICCC050

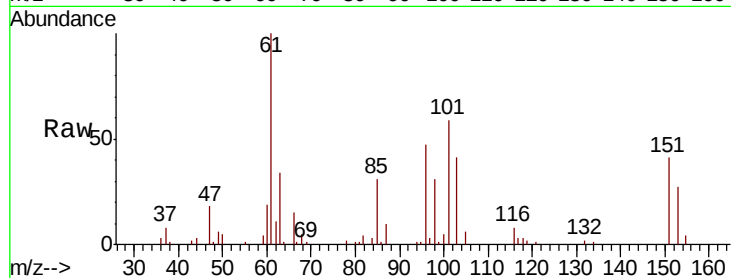
Tot Ion:101 Resp: 75785

Ion Ratio Lower Upper

101 100

85 52.8 42.2 63.4

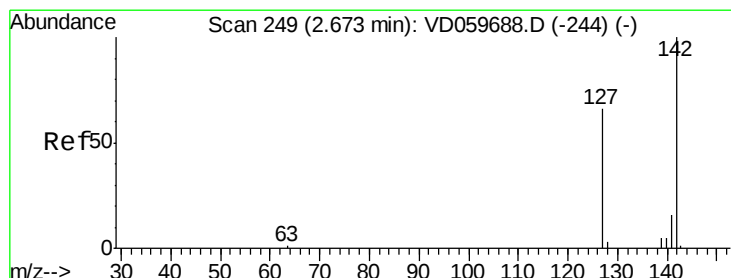
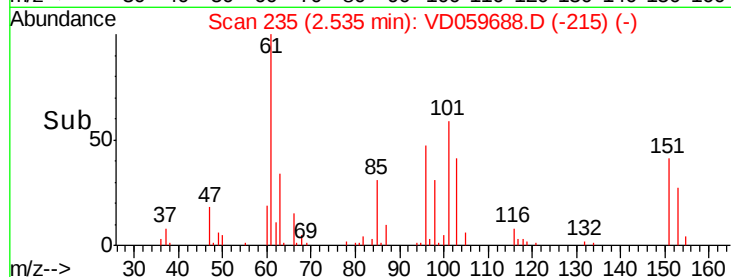
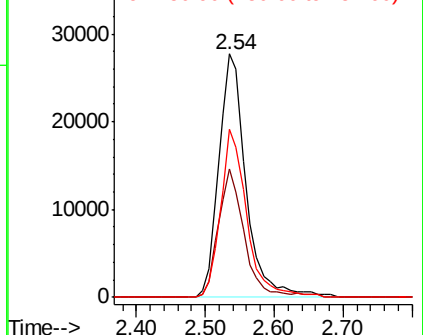
151 69.0 55.2 82.8



Abundance Ion 100.85 (100.55 to 101.55): V

Ion 84.95 (84.65 to 85.65): V

Ion 150.90 (150.60 to 151.60): V



#10

Methyl Iodide

Concen: 60.74 ug/l

RT: 2.67 min Scan# 249

Delta R.T. 0.00 min

Lab File: VD059688.D

Acq: 6 Aug 2018 12:05

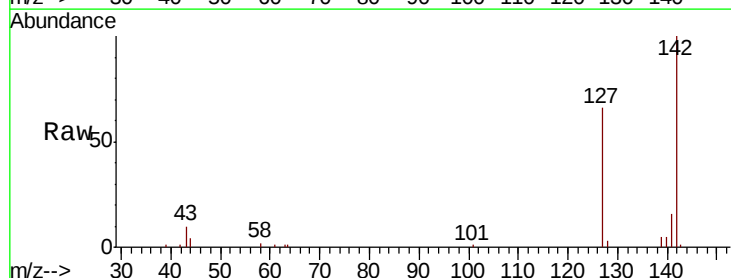
Tgt Ion:142 Resp: 93046

Ion Ratio Lower Upper

142 100

127 65.8 52.6 79.0

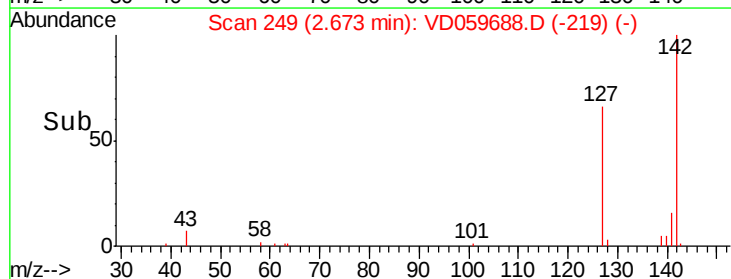
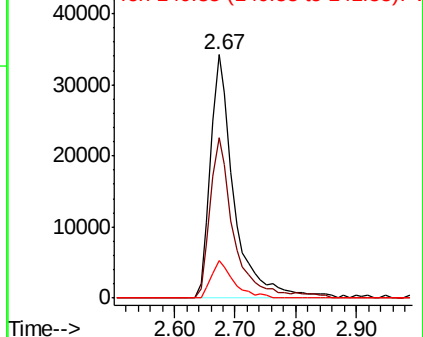
141 15.6 12.5 18.7

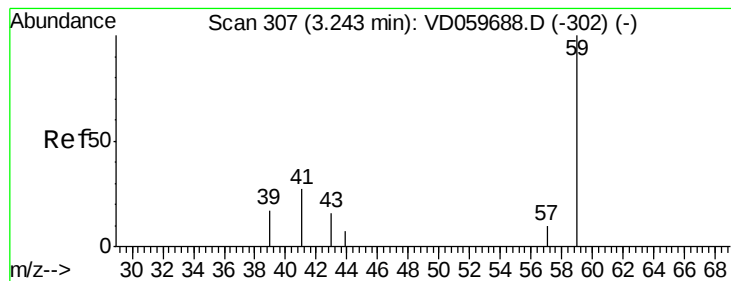


Abundance Ion 141.85 (141.55 to 142.55): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.85 (140.55 to 141.55): V



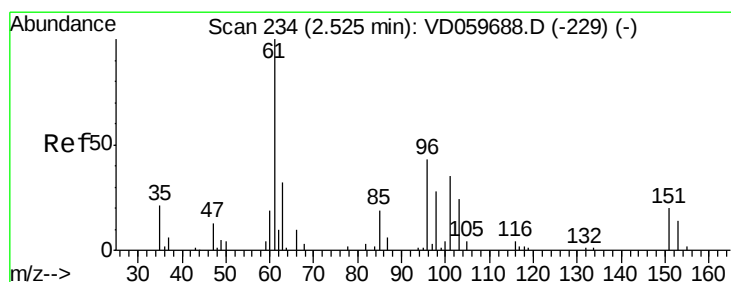
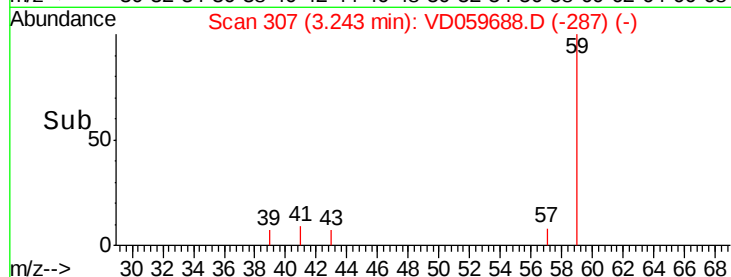
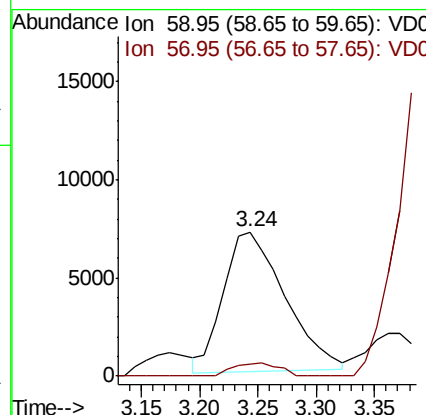
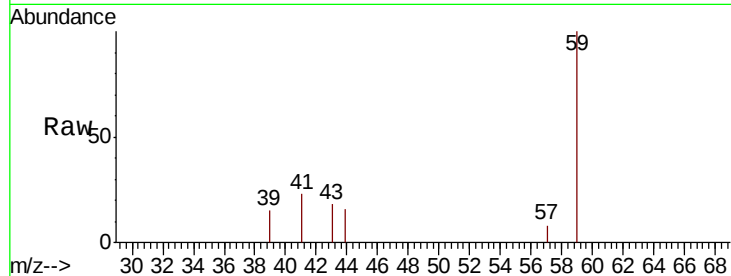


#11

Tert butyl alcohol
 Concen: 286.93 ug/l
 RT: 3.24 min Scan# 307
 Delta R.T. 0.00 min
 Lab File: VD059688.D
 Acq: 6 Aug 2018 12:05

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDICCC050

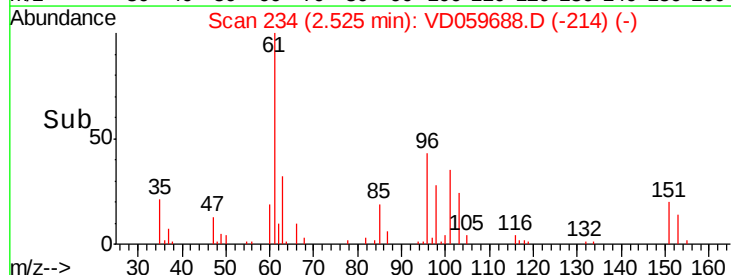
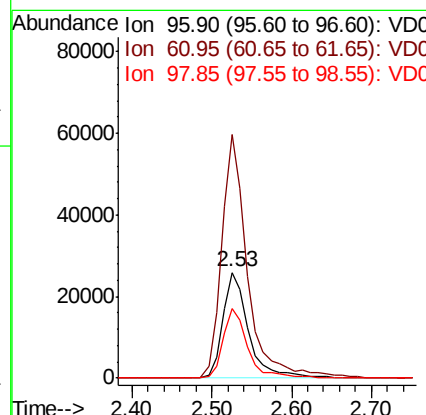
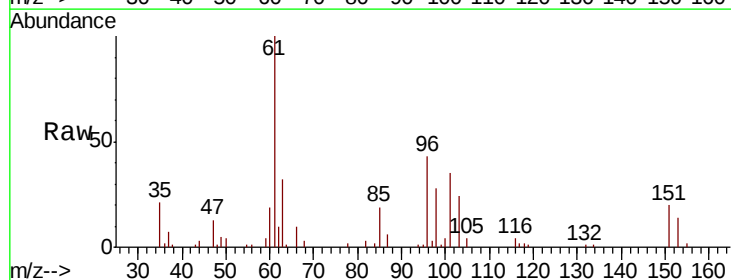
Tot Ion: 59 Resp: 26095
 Ion Ratio Lower Upper
 59 100
 57 8.5 6.8 10.2

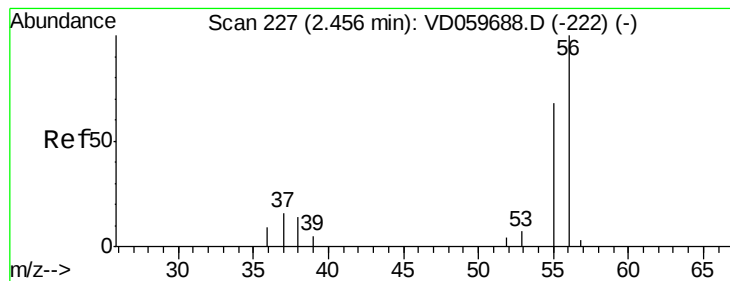


#12

1,1-Dichloroethene
 Concen: 58.85 ug/l
 RT: 2.53 min Scan# 234
 Delta R.T. 0.00 min
 Lab File: VD059688.D
 Acq: 6 Aug 2018 12:05

Tgt Ion: 96 Resp: 58411
 Ion Ratio Lower Upper
 96 100
 61 230.1 184.1 276.1
 98 65.5 52.4 78.6





#13

Acrolein

Concen: 277.47 ug/l

RT: 2.46 min Scan# 227

Delta R.T. 0.00 min

Lab File: VD059688.D

Acq: 6 Aug 2018 12:05

Instrument :

MSVOA_D

ClientSampleId :

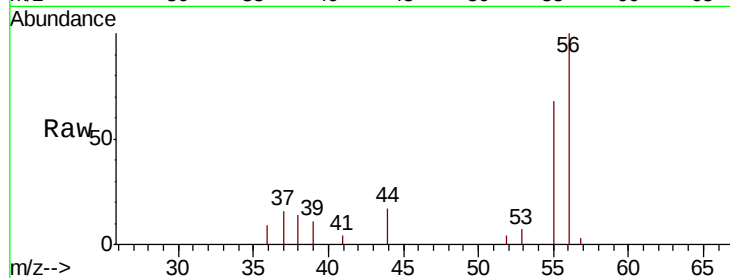
VSTDICCC050

Tot Ion: 56 Resp: 24090

Ion Ratio Lower Upper

56 100

55 68.0 54.4 81.6



Abundance Ion 55.95 (55.65 to 56.65): VDC

Ion 55.00 (54.70 to 55.70): VDC

12000

10000

8000

6000

4000

2000

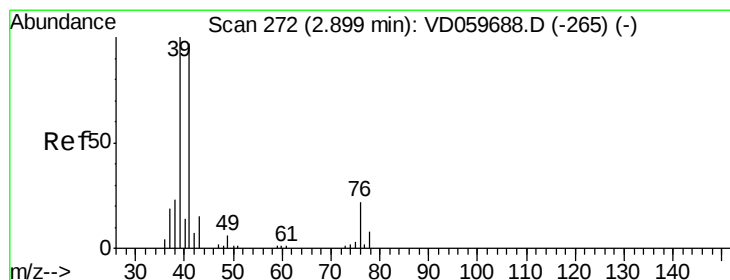
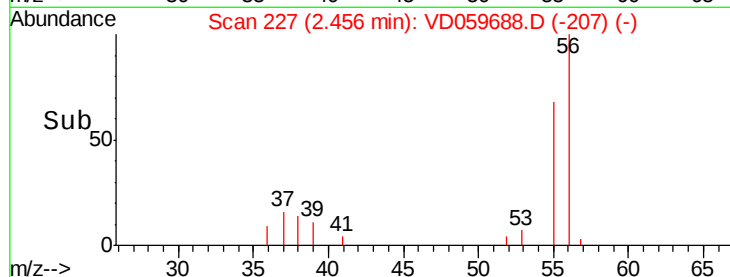
0

Time-->

2.40

2.50

2.60



#14

Allyl chloride

Concen: 55.56 ug/l

RT: 2.90 min Scan# 272

Delta R.T. 0.00 min

Lab File: VD059688.D

Acq: 6 Aug 2018 12:05

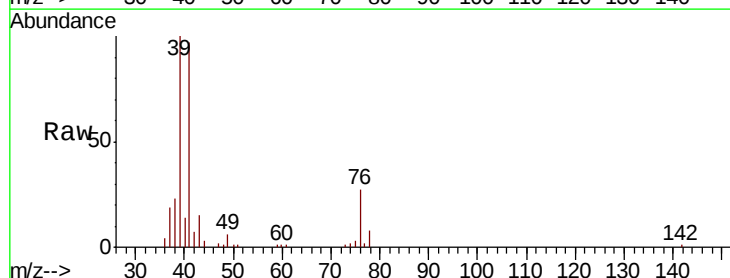
Tgt Ion: 41 Resp: 125264

Ion Ratio Lower Upper

41 100

39 103.1 82.5 123.7

76 27.6 22.1 33.1



Abundance Ion 41.05 (40.75 to 41.75): VDC

Ion 38.95 (38.65 to 39.65): VDC

Ion 75.95 (75.65 to 76.65): VDC

100000

80000

60000

40000

20000

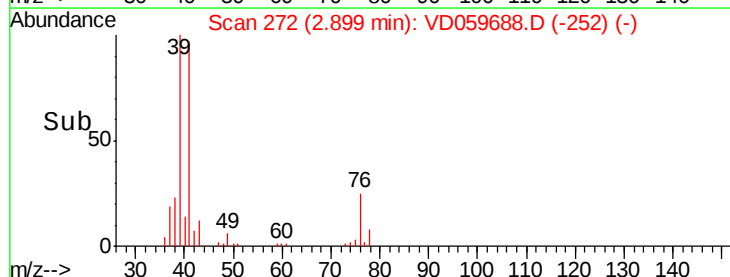
0

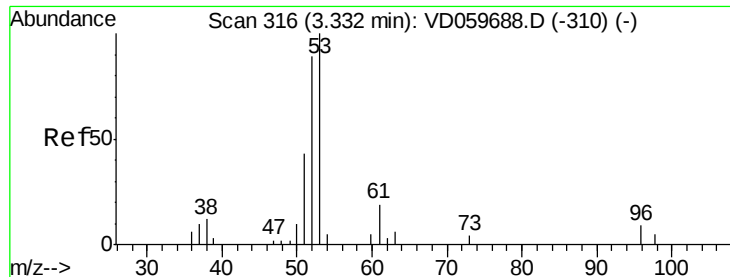
Time-->

2.80

2.90

3.00





#15

Acrylonitrile

Concen: 275.49 ug/l

RT: 3.33 min Scan# 316

Delta R.T. 0.00 min

Lab File: VD059688.D

Acq: 6 Aug 2018 12:05

Instrument :

MSVOA_D

ClientSampleId :

VSTDICCC050

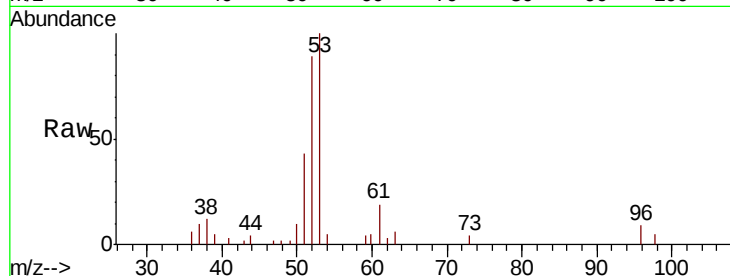
Tot Ion: 53 Resp: 72027

Ion Ratio Lower Upper

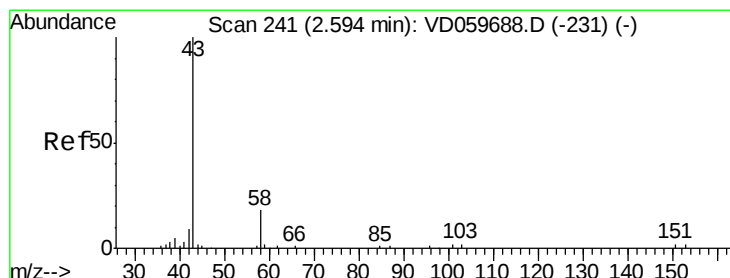
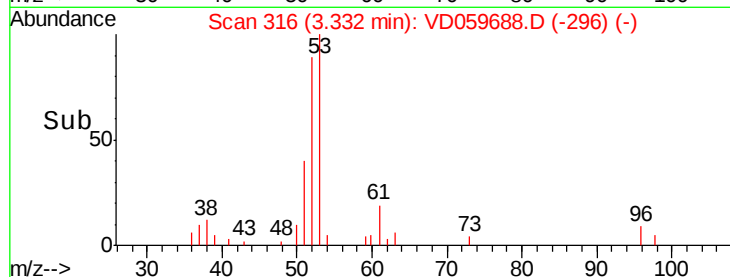
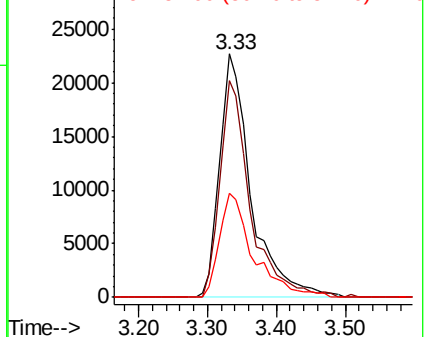
53 100

52 89.2 71.4 107.0

51 42.8 34.2 51.4



Abundance Ion 53.00 (52.70 to 53.70): VDC
Ion 52.00 (51.70 to 52.70): VDC
Ion 51.00 (50.70 to 51.70): VDC



#16

Acetone

Concen: 301.99 ug/l

RT: 2.59 min Scan# 241

Delta R.T. 0.00 min

Lab File: VD059688.D

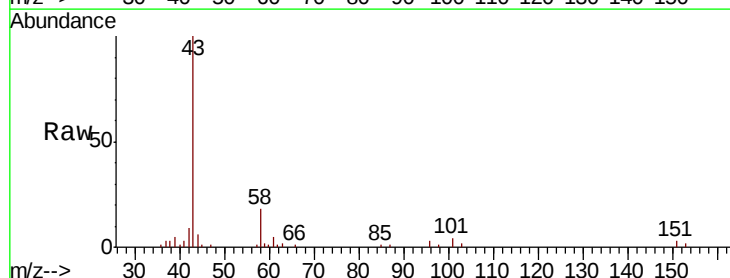
Acq: 6 Aug 2018 12:05

Tgt Ion: 43 Resp: 145092

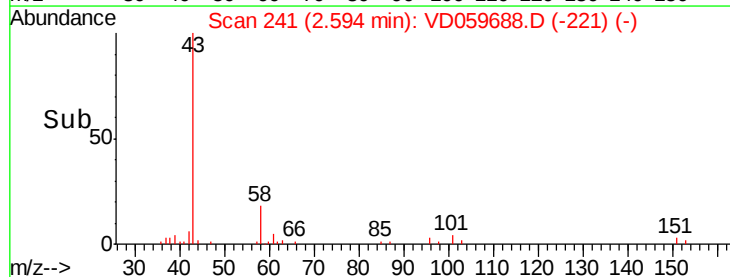
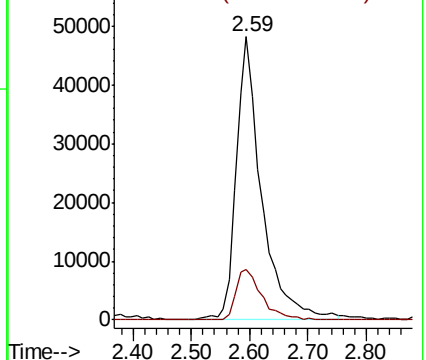
Ion Ratio Lower Upper

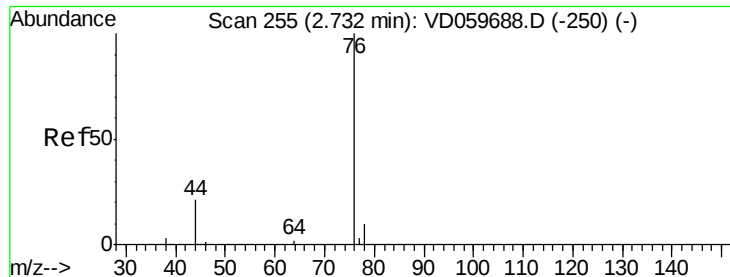
43 100

58 17.7 14.2 21.2



Abundance Ion 42.95 (42.65 to 43.65): VDC
Ion 57.95 (57.65 to 58.65): VDC

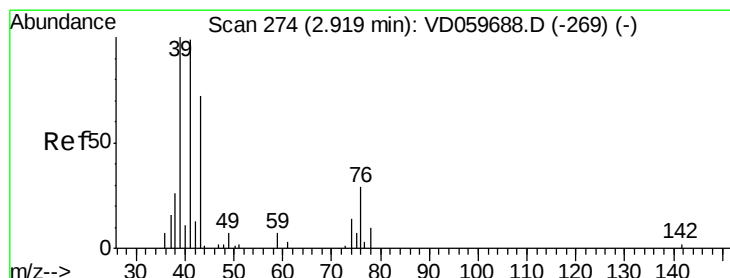
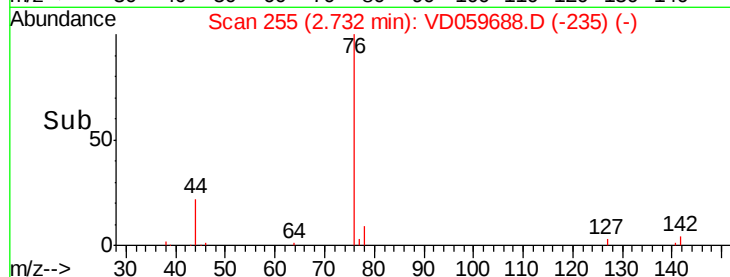
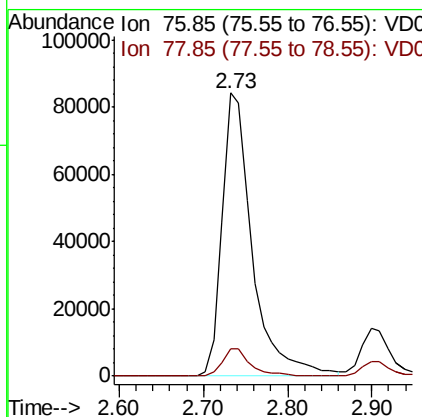
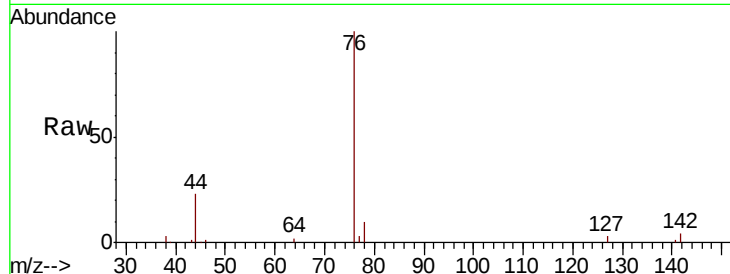




#17
Carbon Disulfide
Concen: 59.76 ug/l
RT: 2.73 min Scan# 255
Delta R.T. 0.00 min
Lab File: VD059688.D
Acq: 6 Aug 2018 12:05

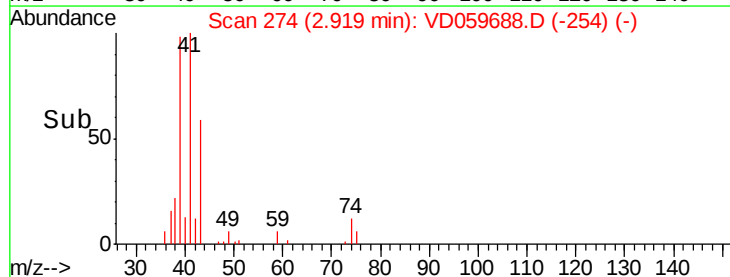
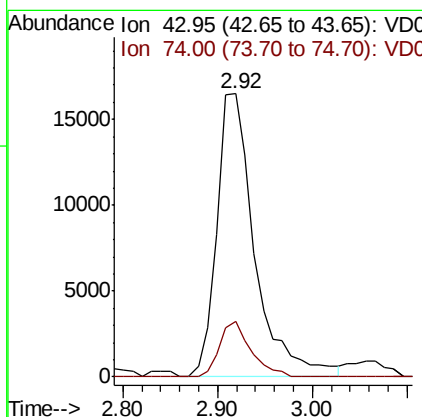
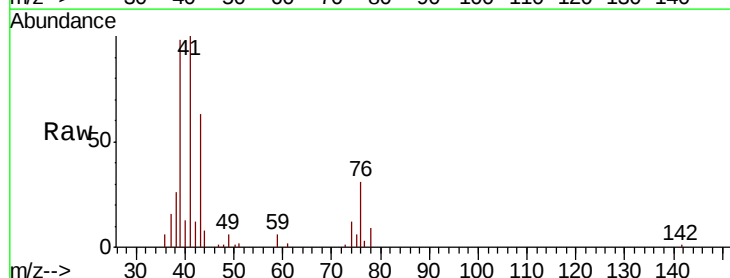
Instrument :
MSVOA_D
ClientSampleId :
VSTDICCC050

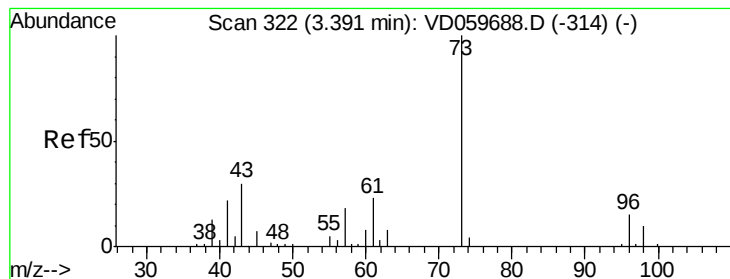
Tot Ion: 76 Resp: 209827
Ion Ratio Lower Upper
76 100
78 9.6 7.7 11.5



#18
Methyl Acetate
Concen: 53.45 ug/l
RT: 2.92 min Scan# 274
Delta R.T. 0.00 min
Lab File: VD059688.D
Acq: 6 Aug 2018 12:05

Tgt Ion: 43 Resp: 45962
Ion Ratio Lower Upper
43 100
74 19.6 15.7 23.5



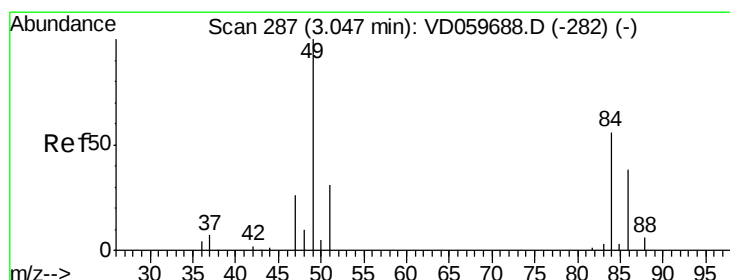
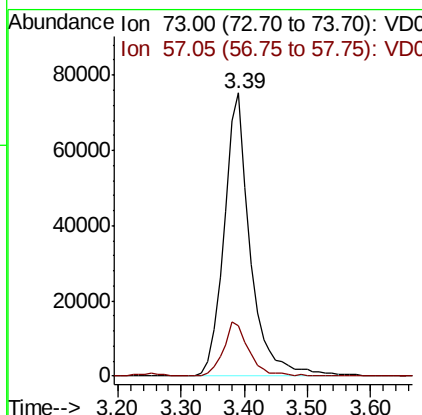
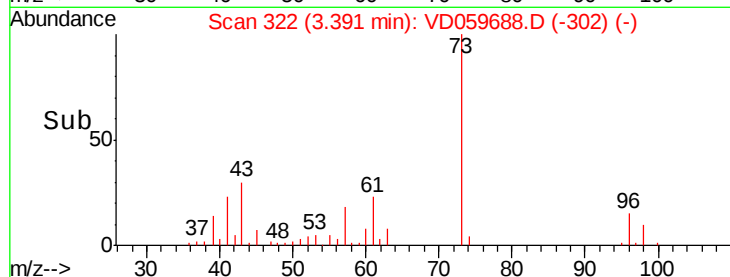
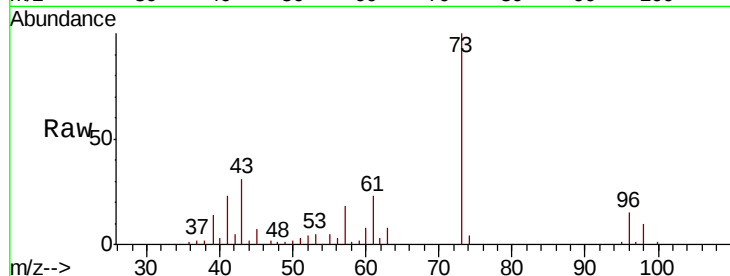


#19

Methyl tert-butyl Ether
 Concen: 56.37 ug/l
 RT: 3.39 min Scan# 322
 Delta R.T. 0.00 min
 Lab File: VD059688.D
 Acq: 6 Aug 2018 12:05

Instrument :
 MSVOA_D
 ClientSampleID :
 VSTDICCC050

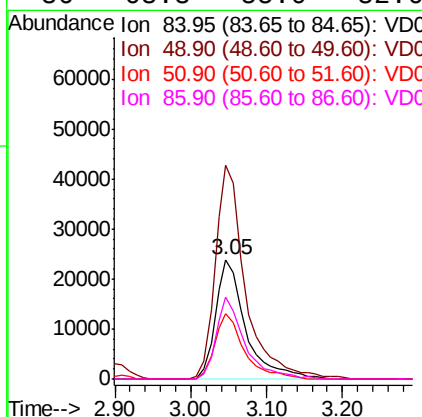
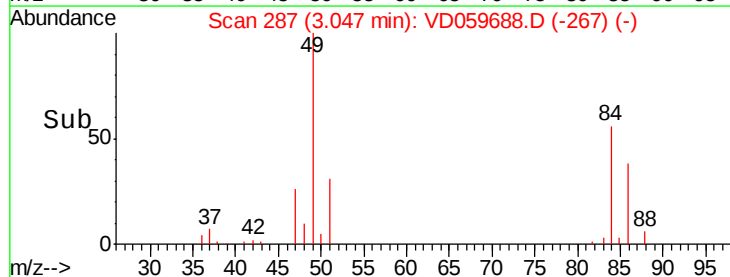
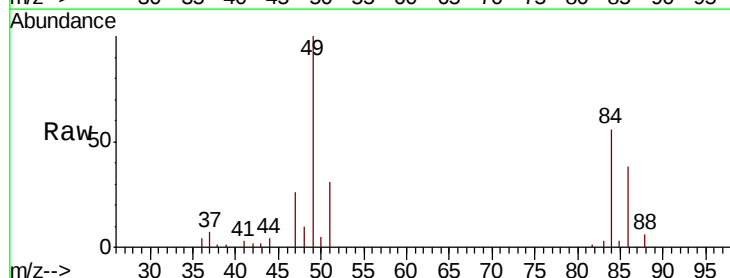
Tot Ion: 73 Resp: 215275
 Ion Ratio Lower Upper
 73 100
 57 17.9 14.3 21.5

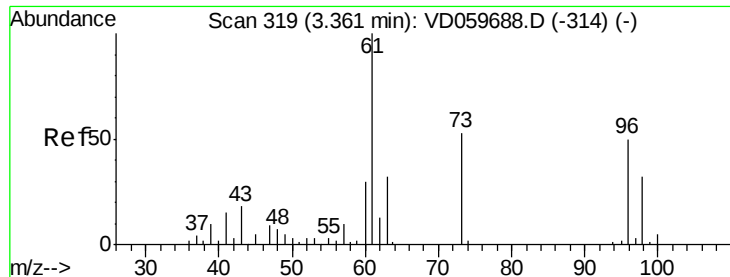


#20

Methylene Chloride
 Concen: 36.97 ug/l
 RT: 3.05 min Scan# 287
 Delta R.T. 0.00 min
 Lab File: VD059688.D
 Acq: 6 Aug 2018 12:05

Tgt Ion: 84 Resp: 66195
 Ion Ratio Lower Upper
 84 100
 49 179.3 143.4 215.2
 51 55.3 44.2 66.4
 86 68.8 55.0 82.6





#21

trans-1,2-Dichloroethene

Concen: 54.67 ug/l

RT: 3.36 min Scan# 319

Delta R.T. 0.00 min

Lab File: VD059688.D

Acq: 6 Aug 2018 12:05

Instrument :

MSVOA_D

ClientSampleId :

VSTDICCC050

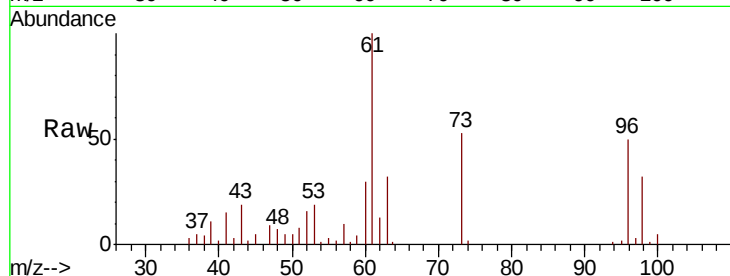
Tot Ion: 96 Resp: 73597

Ion Ratio Lower Upper

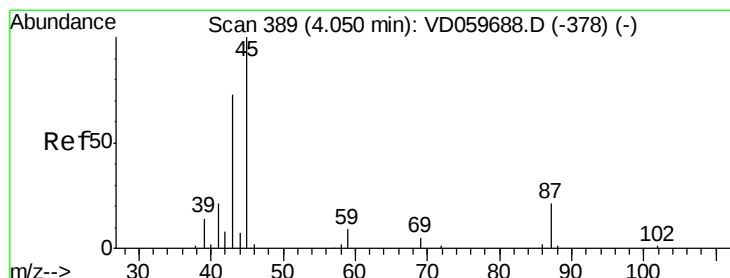
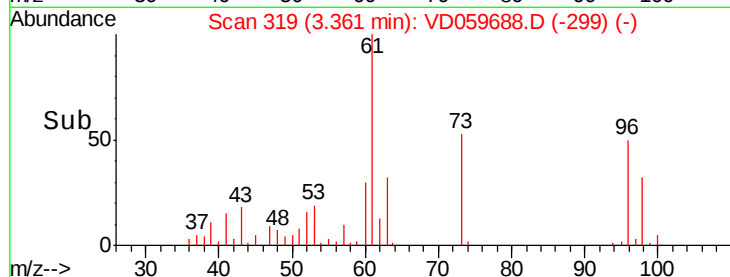
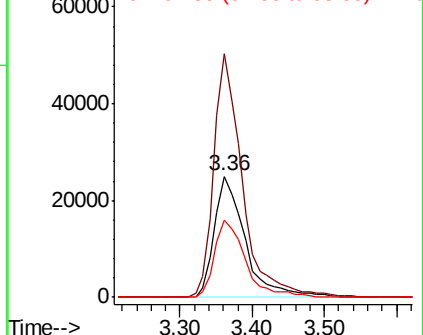
96 100

61 200.8 160.6 241.0

98 63.6 50.9 76.3



Abundance Ion 95.90 (95.60 to 96.60): VDC
Ion 60.95 (60.65 to 61.65): VDC
Ion 97.85 (97.55 to 98.55): VDC



#22

Diisopropyl ether

Concen: 54.81 ug/l

RT: 4.05 min Scan# 389

Delta R.T. 0.00 min

Lab File: VD059688.D

Acq: 6 Aug 2018 12:05

Tgt Ion: 45 Resp: 282133

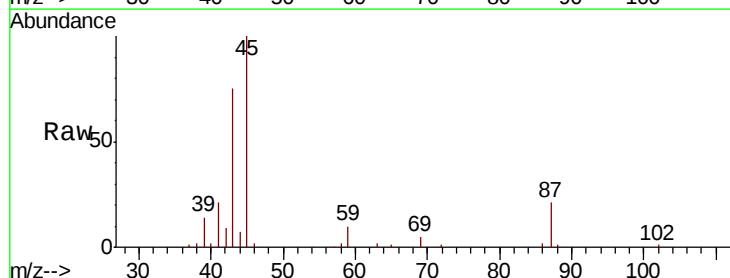
Ion Ratio Lower Upper

45 100

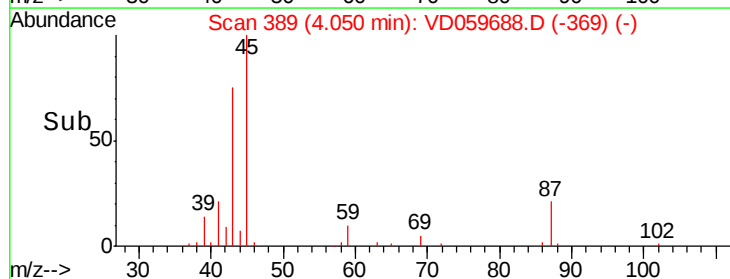
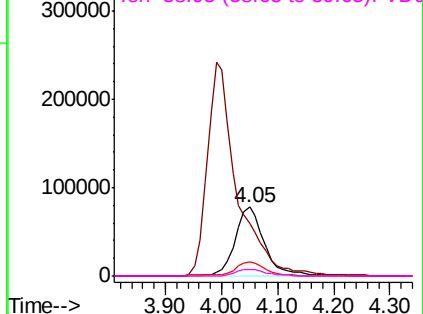
43 75.4 60.3 90.5

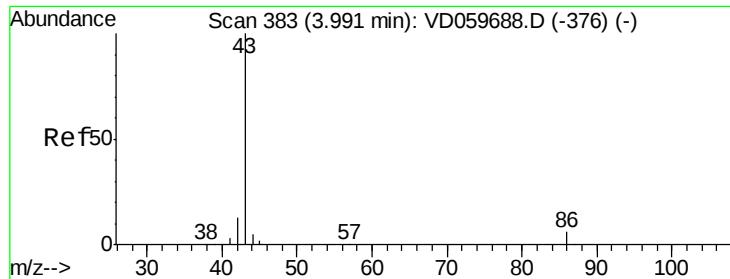
87 21.3 17.0 25.6

59 9.9 7.9 11.9



Abundance Ion 45.05 (44.75 to 45.75): VDC
Ion 43.05 (42.75 to 43.75): VDC
Ion 87.00 (86.70 to 87.70): VDC
Ion 58.95 (58.65 to 59.65): VDC





#23

Vinyl Acetate

Concen: 276.16 ug/l

RT: 3.99 min Scan# 383

Delta R.T. 0.00 min

Lab File: VD059688.D

Acq: 6 Aug 2018 12:05

Instrument :

MSVOA_D

ClientSampleId :

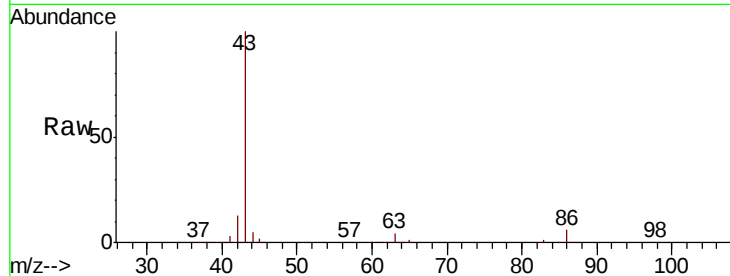
VSTDICCC050

Tot Ion: 43 Resp: 887264

Ion Ratio Lower Upper

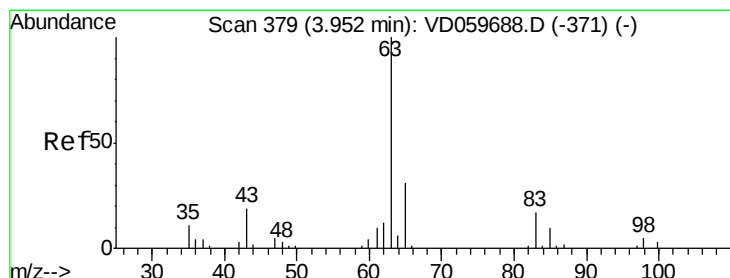
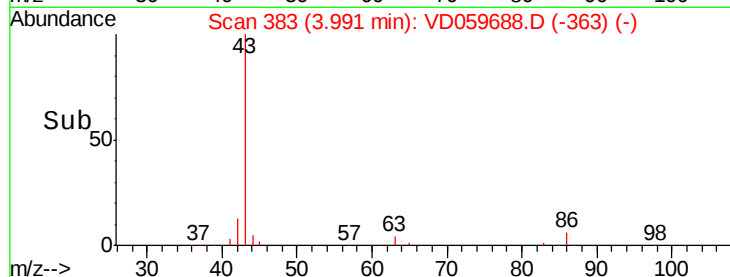
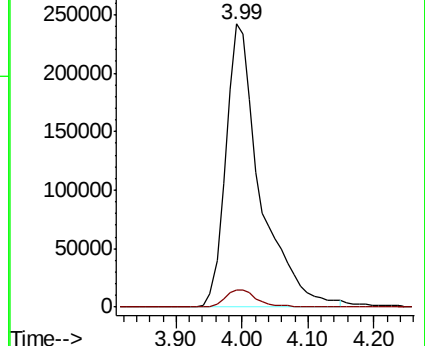
43 100

86 6.0 4.8 7.2



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 86.00 (85.70 to 86.70): VDC



#24

1,1-Dichloroethane

Concen: 54.50 ug/l

RT: 3.95 min Scan# 379

Delta R.T. 0.00 min

Lab File: VD059688.D

Acq: 6 Aug 2018 12:05

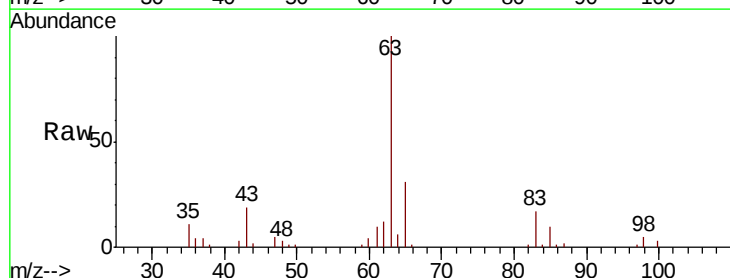
Tgt Ion: 63 Resp: 188962

Ion Ratio Lower Upper

63 100

98 4.7 2.4 7.1

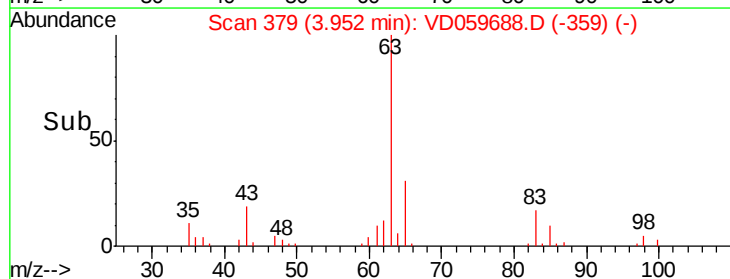
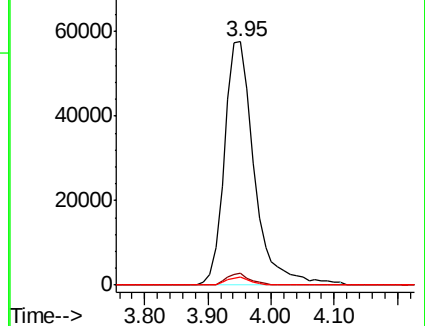
100 3.2 1.6 4.8

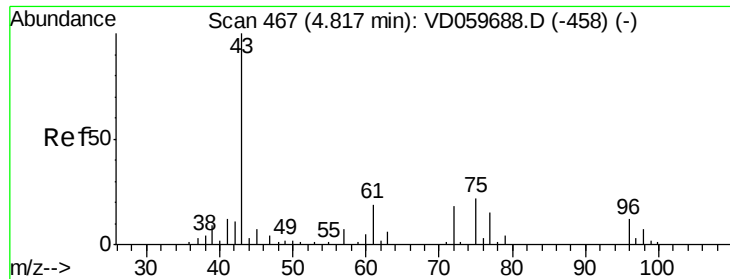


Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 97.95 (97.65 to 98.65): VDC

Ion 99.95 (99.65 to 100.65): VDC





#25

2-Butanone

Concen: 296.45 ug/l

RT: 4.82 min Scan# 467

Delta R.T. 0.00 min

Lab File: VD059688.D

Acq: 6 Aug 2018 12:05

Instrument :

MSVOA_D

ClientSampleId :

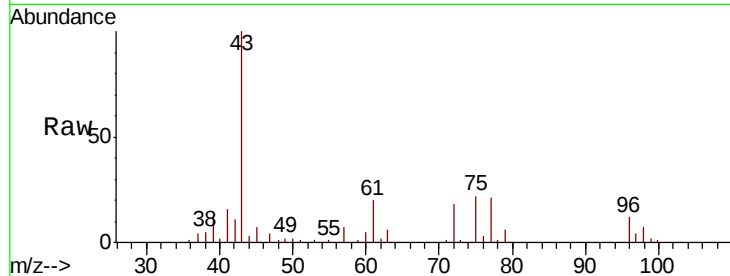
VSTDICCC050

Tot Ion: 43 Resp: 181603

Ion Ratio Lower Upper

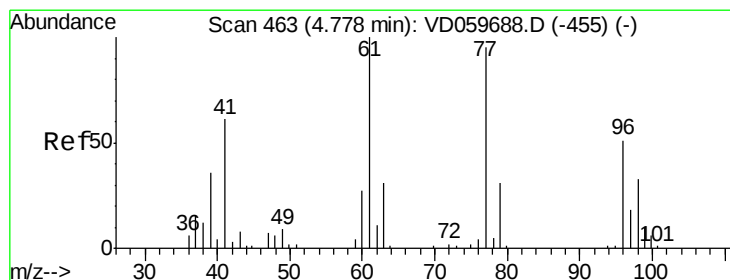
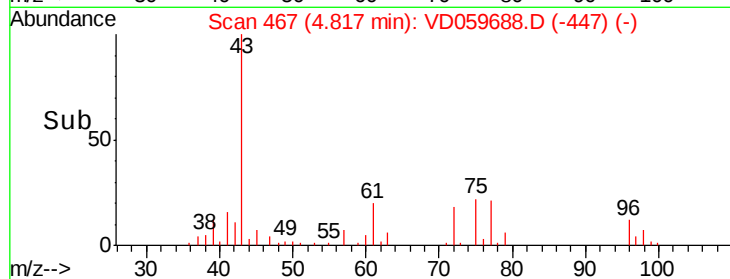
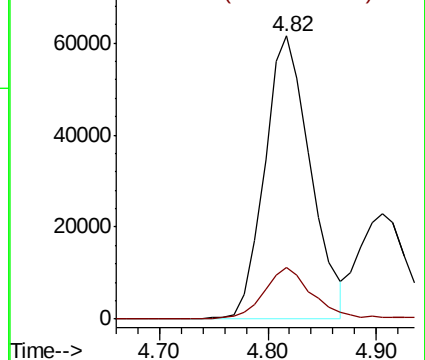
43 100

72 18.2 14.6 21.8



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 72.00 (71.70 to 72.70): VDC



#26

2,2-Dichloropropane

Concen: 54.56 ug/l

RT: 4.78 min Scan# 463

Delta R.T. 0.00 min

Lab File: VD059688.D

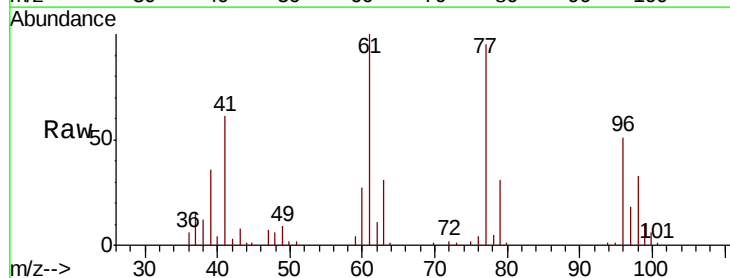
Acq: 6 Aug 2018 12:05

Tgt Ion: 77 Resp: 205396

Ion Ratio Lower Upper

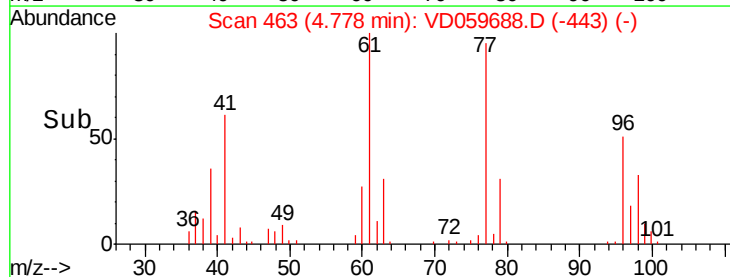
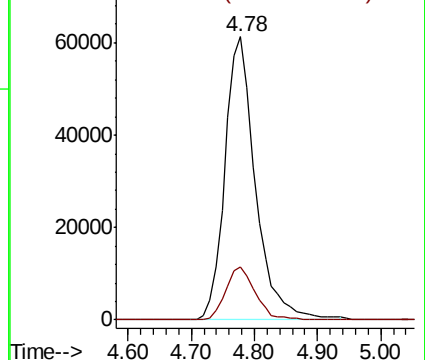
77 100

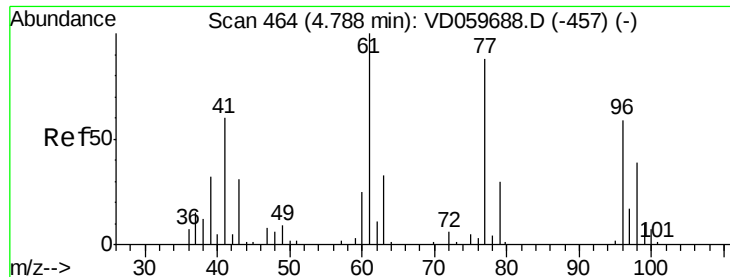
97 18.9 9.4 28.3



Abundance Ion 76.95 (76.65 to 77.65): VDC

Ion 96.85 (96.55 to 97.55): VDC





#27

cis-1,2-Dichloroethene

Concen: 55.16 ug/l

RT: 4.79 min Scan# 464

Delta R.T. 0.00 min

Lab File: VD059688.D

Acq: 6 Aug 2018 12:05

Instrument :

MSVOA_D

ClientSampleId :

VSTDICCC050

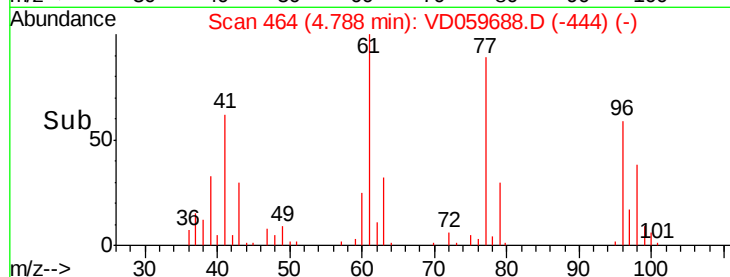
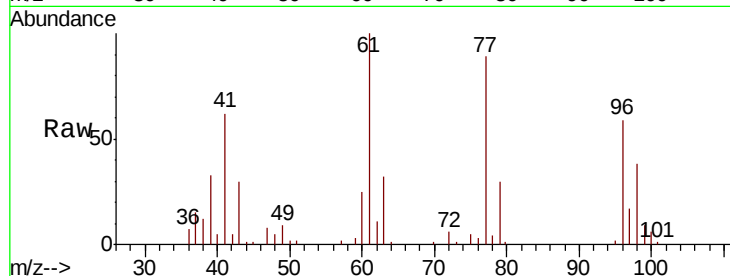
Tot Ion: 96 Resp: 100398

Ion Ratio Lower Upper

96 100

61 170.8 0.0 341.6

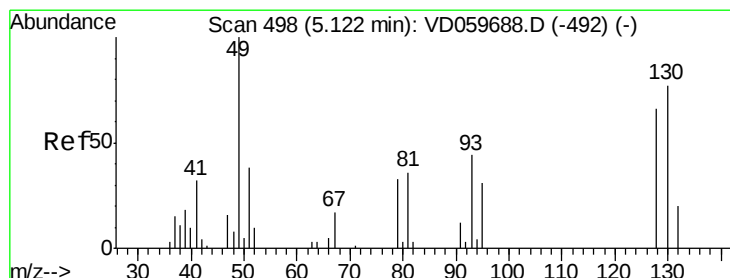
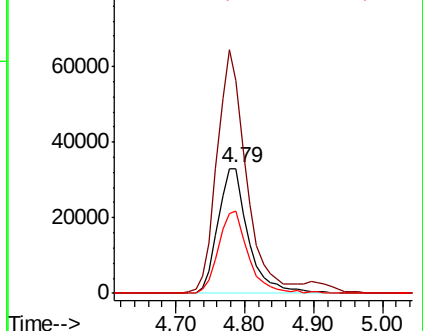
98 65.5 0.0 131.0



Abundance Ion 95.90 (95.60 to 96.60): VDC

Ion 60.95 (60.65 to 61.65): VDC

Ion 97.85 (97.55 to 98.55): VDC



#28

Bromochloromethane

Concen: 51.45 ug/l

RT: 5.12 min Scan# 498

Delta R.T. 0.00 min

Lab File: VD059688.D

Acq: 6 Aug 2018 12:05

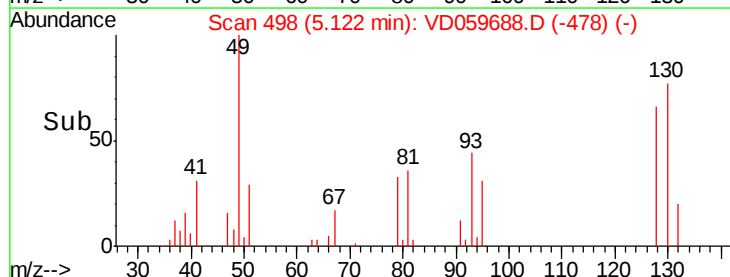
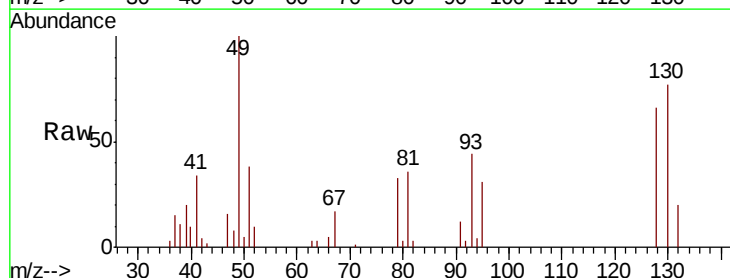
Tgt Ion: 49 Resp: 66117

Ion Ratio Lower Upper

49 100

129 0.0 0.0 0.0

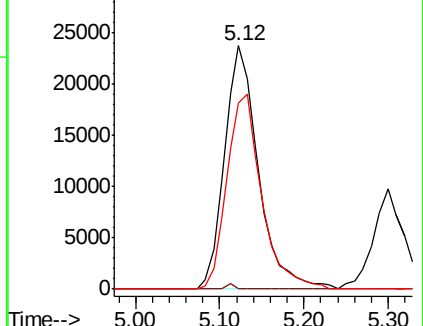
130 76.5 61.2 91.8

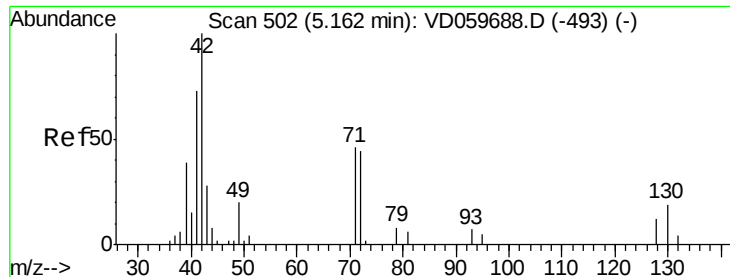


Abundance Ion 48.90 (48.60 to 49.60): VDC

Ion 128.80 (128.50 to 129.50): V

Ion 129.80 (129.50 to 130.50): V

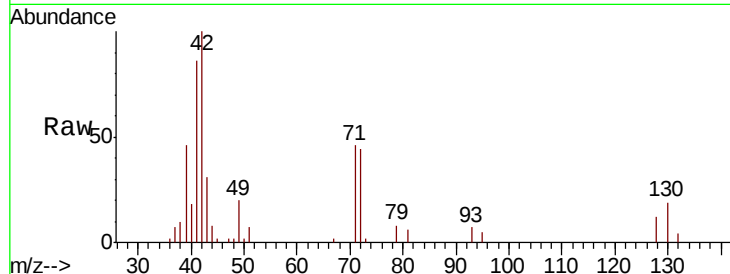




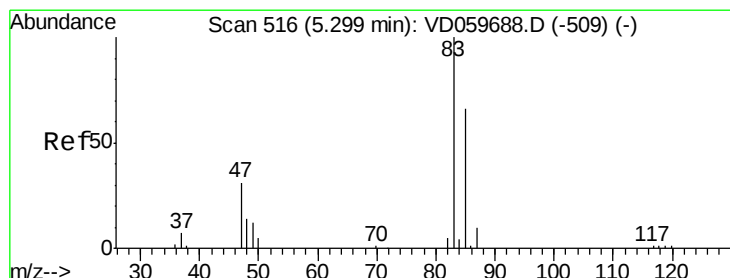
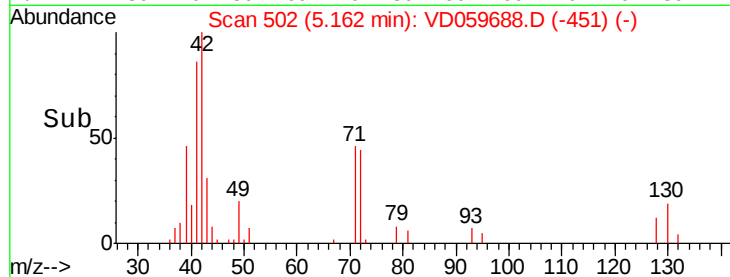
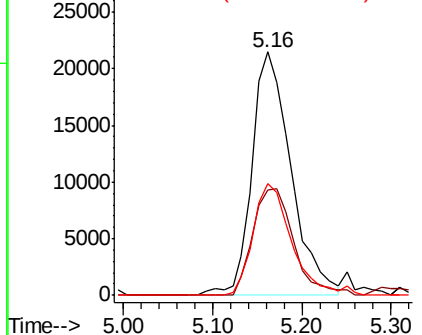
#29
Tetrahydrofuran
Concen: 270.93 ug/l
RT: 5.16 min Scan# 502
Delta R.T. 0.00 min
Lab File: VD059688.D
Acq: 6 Aug 2018 12:05

Instrument :
MSVOA_D
ClientSampleId :
VSTDICCC050

Tot Ion: 42 Resp: 64937
Ion Ratio Lower Upper
42 100
72 45.9 36.7 55.1
71 45.4 36.3 54.5

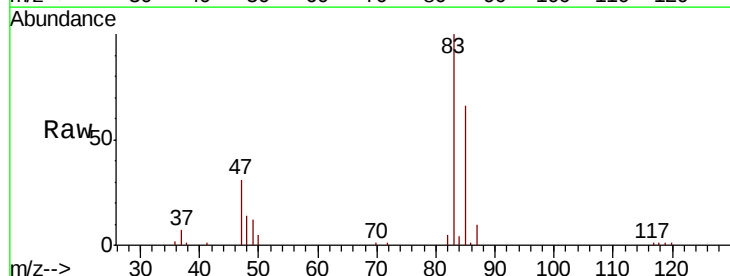


Abundance Ion 42.00 (41.70 to 42.70): VDC
Ion 72.00 (71.70 to 72.70): VDC
Ion 71.00 (70.70 to 71.70): VDC

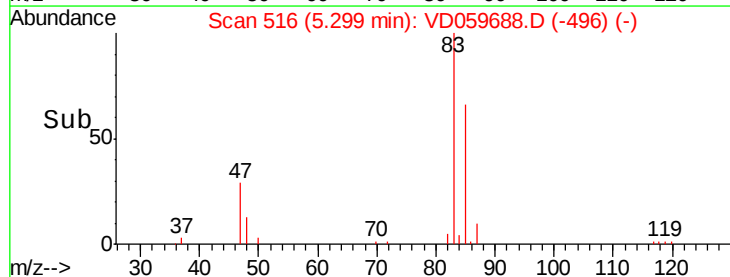
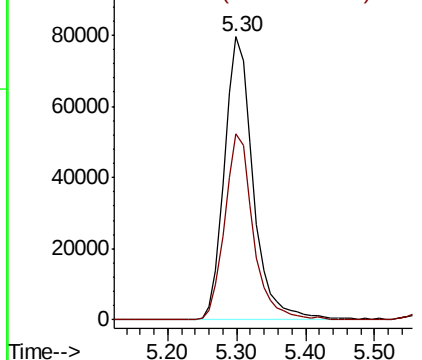


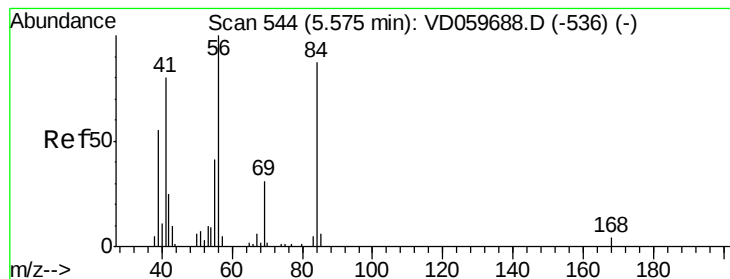
#30
Chloroform
Concen: 54.96 ug/l
RT: 5.30 min Scan# 516
Delta R.T. 0.00 min
Lab File: VD059688.D
Acq: 6 Aug 2018 12:05

Tgt Ion: 83 Resp: 230009
Ion Ratio Lower Upper
83 100
85 65.8 52.6 79.0



Abundance Ion 82.95 (82.65 to 83.65): VDC
Ion 84.95 (84.65 to 85.65): VDC





#31

Cyclohexane

Concen: 49.54 ug/l

RT: 5.57 min Scan# 544

Delta R.T. 0.00 min

Lab File: VD059688.D

Acq: 6 Aug 2018 12:05

Instrument :

MSVOA_D

ClientSampleId :

VSTDICCC050

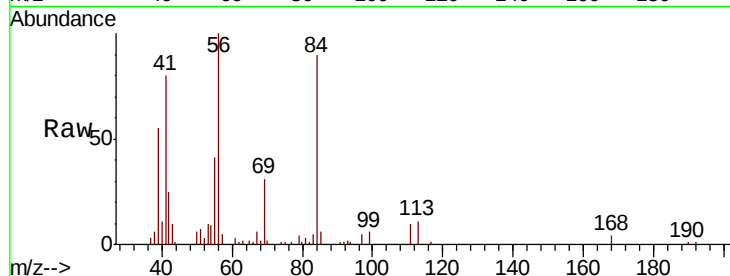
Tot Ion: 56 Resp: 125033

Ion Ratio Lower Upper

56 100

69 30.9 24.7 37.1

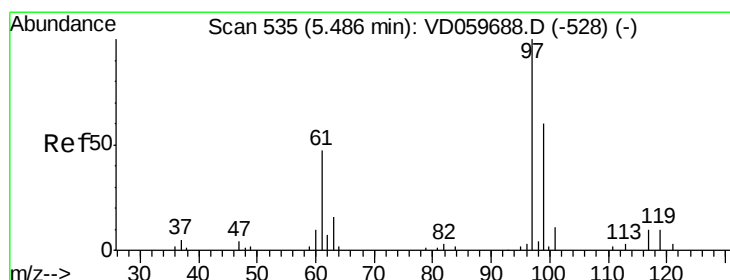
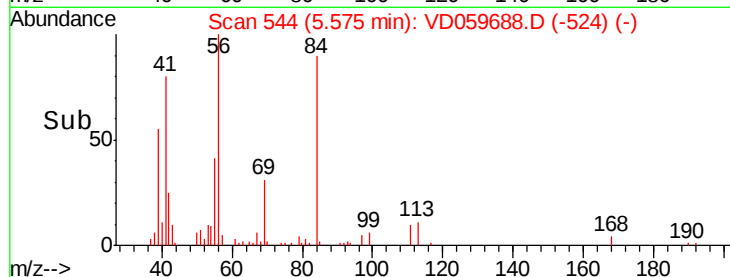
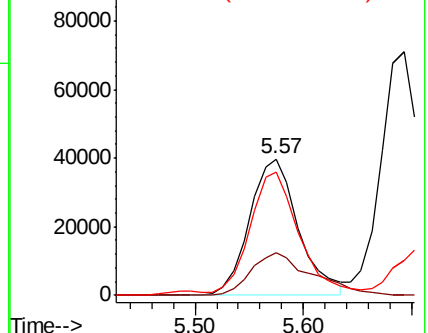
84 90.2 72.2 108.2



Abundance Ion 55.95 (55.65 to 56.65): VDC

Ion 69.00 (68.70 to 69.70): VDC

Ion 84.05 (83.75 to 84.75): VDC



#32

1,1,1-Trichloroethane

Concen: 56.36 ug/l

RT: 5.49 min Scan# 535

Delta R.T. 0.00 min

Lab File: VD059688.D

Acq: 6 Aug 2018 12:05

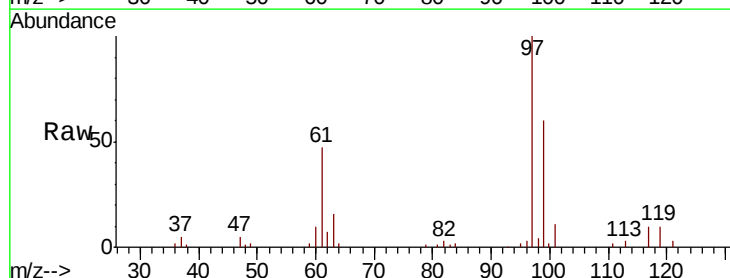
Tgt Ion: 97 Resp: 231181

Ion Ratio Lower Upper

97 100

99 60.2 48.2 72.2

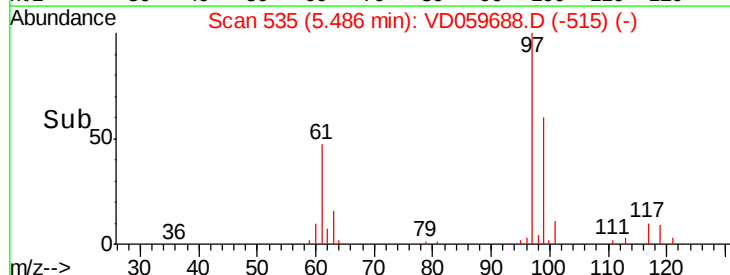
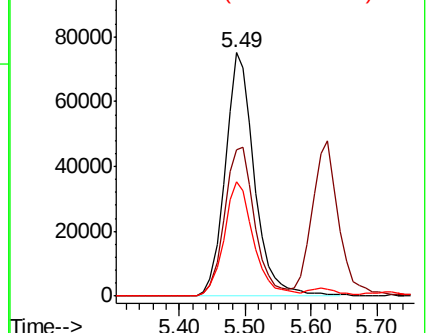
61 46.9 37.5 56.3

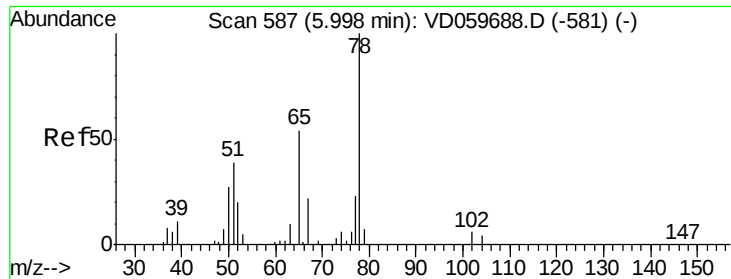


Abundance Ion 96.85 (96.55 to 97.55): VDC

Ion 98.85 (98.55 to 99.55): VDC

Ion 60.95 (60.65 to 61.65): VDC

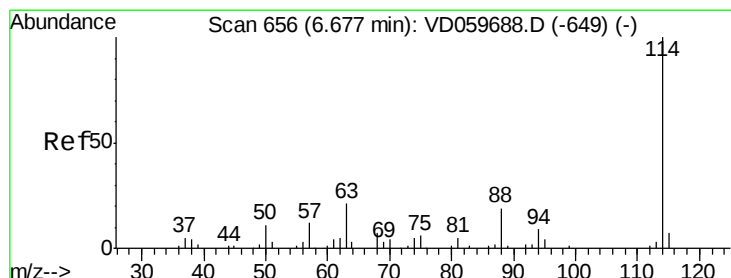
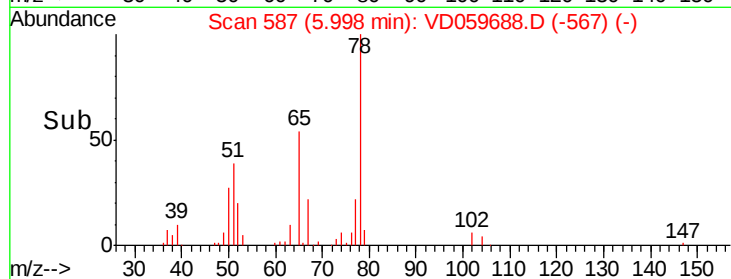
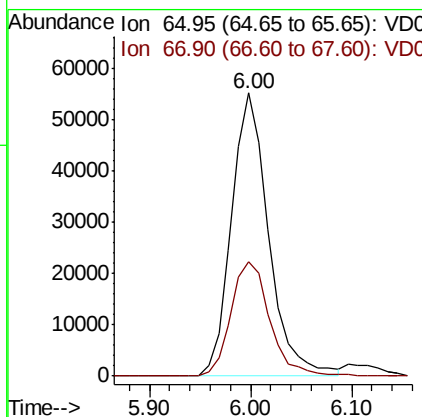
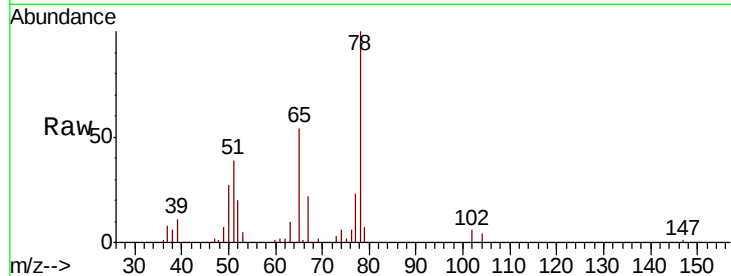




#33
 1,2-Dichloroethane-d4
 Concen: 56.36 ug/l
 RT: 6.00 min Scan# 587
 Delta R.T. 0.00 min
 Lab File: VD059688.D
 Acq: 6 Aug 2018 12:05

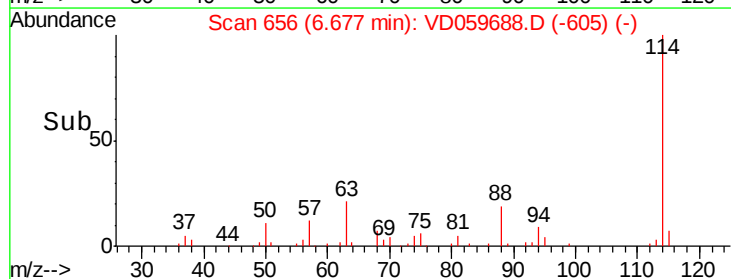
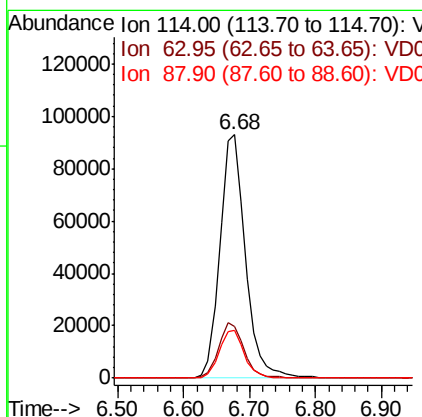
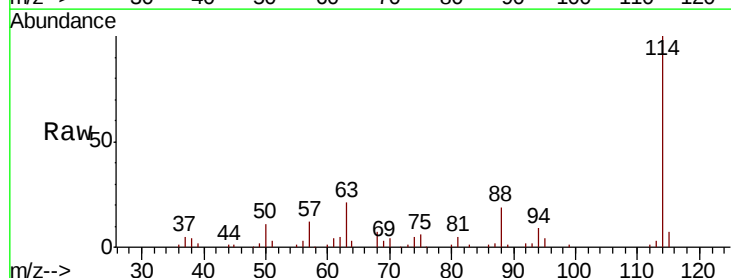
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDICCC050

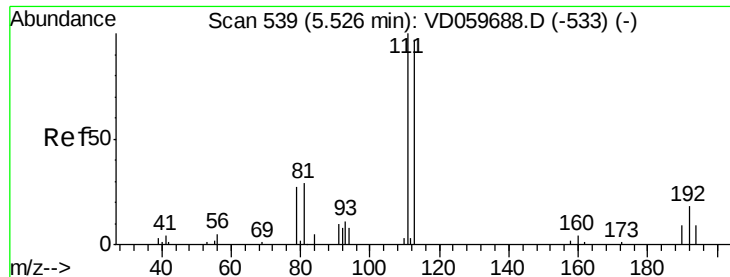
Tot Ion: 65 Resp: 141377
 Ion Ratio Lower Upper
 65 100
 67 40.2 0.0 80.4



#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 6.68 min Scan# 656
 Delta R.T. 0.00 min
 Lab File: VD059688.D
 Acq: 6 Aug 2018 12:05

Tgt Ion: 114 Resp: 250089
 Ion Ratio Lower Upper
 114 100
 63 21.3 0.0 42.6
 88 19.4 0.0 38.8

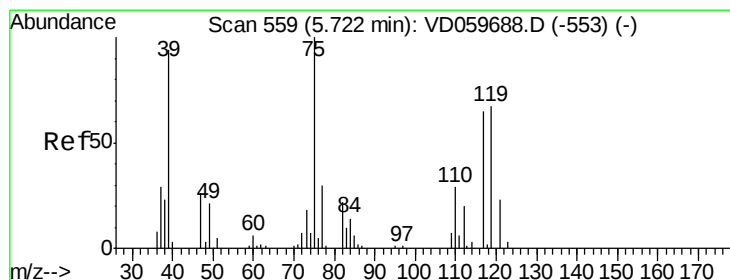
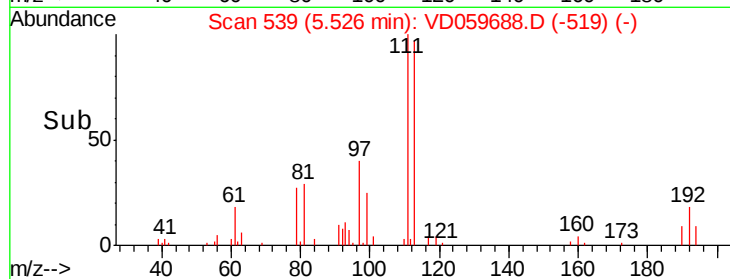
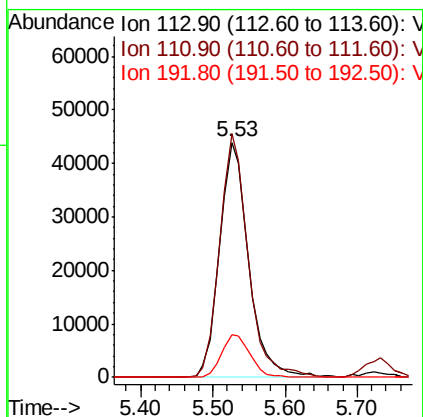
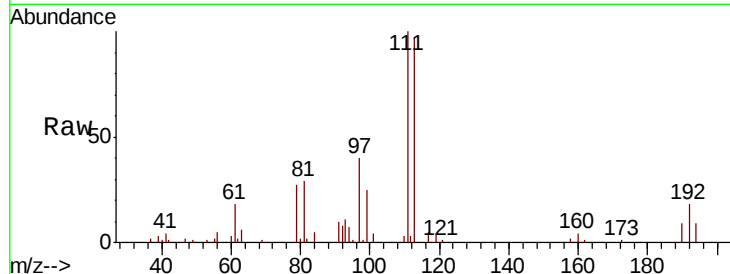




#35
 Dibromofluoromethane
 Concen: 50.00 ug/l
 RT: 5.53 min Scan# 539
 Delta R.T. 0.00 min
 Lab File: VD059688.D
 Acq: 6 Aug 2018 12:05

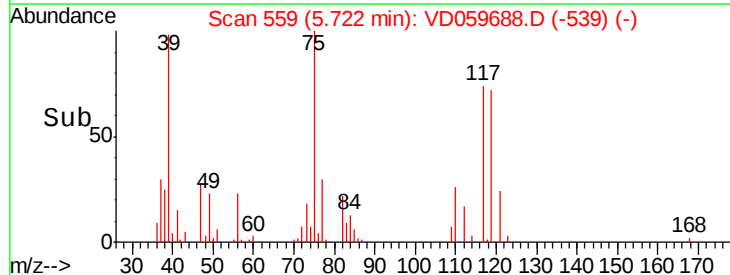
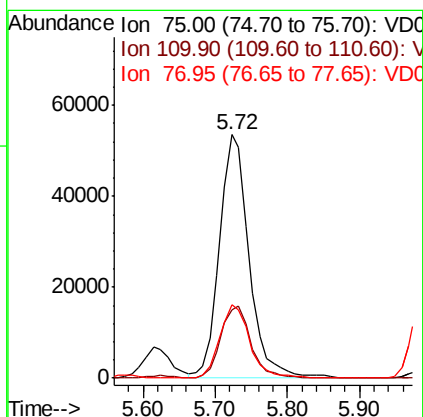
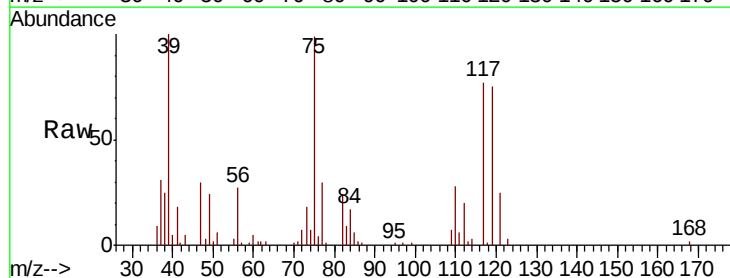
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDICCC050

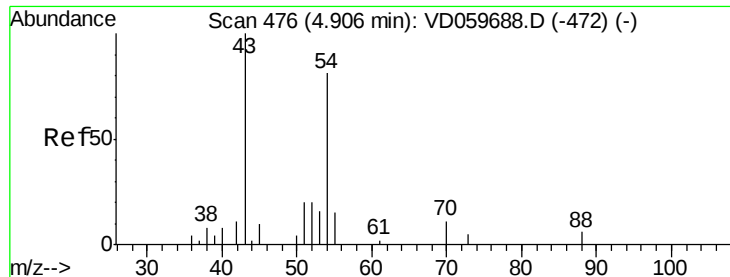
Tot Ion	Ratio	Lower	Upper
113	100		
111	103.5	82.8	124.2
192	18.3	14.6	22.0



#36
 1,1-Dichloropropene
 Concen: 54.50 ug/l
 RT: 5.72 min Scan# 559
 Delta R.T. 0.00 min
 Lab File: VD059688.D
 Acq: 6 Aug 2018 12:05

Tgt Ion	Ratio	Lower	Upper
75	100		
110	28.2	14.1	42.3
77	29.9	23.9	35.9

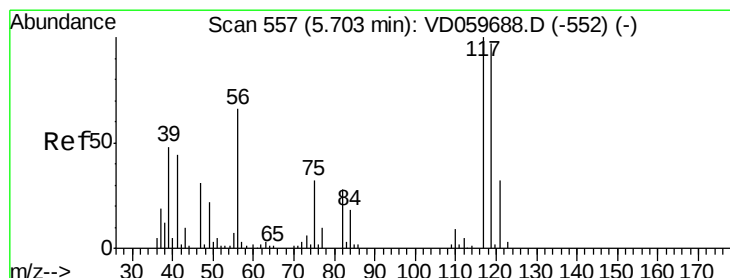
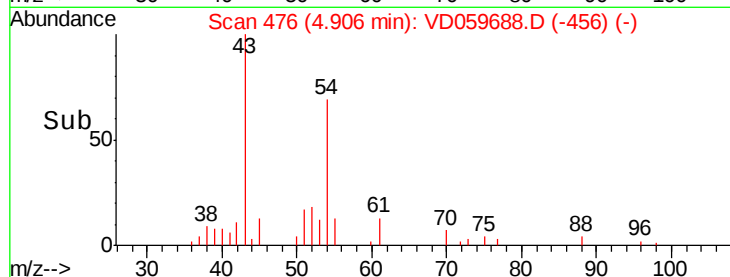
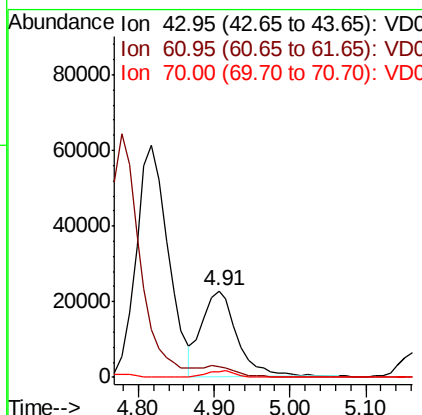
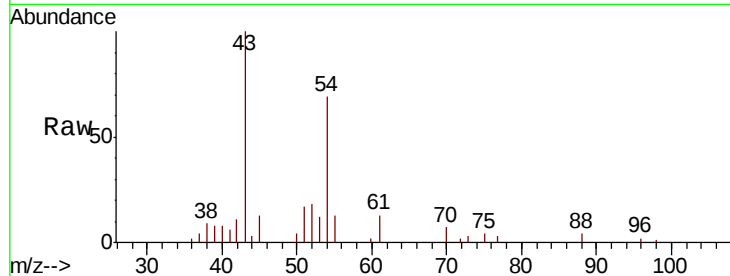




#37
Ethyl Acetate
Concen: 55.99 ug/l
RT: 4.91 min Scan# 476
Delta R.T. 0.00 min
Lab File: VD059688.D
Acq: 6 Aug 2018 12:05

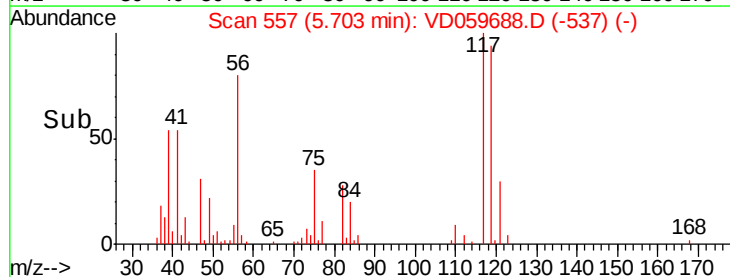
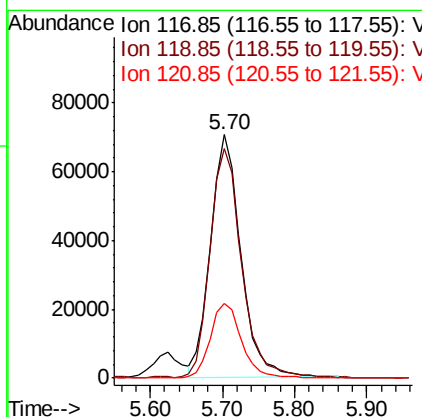
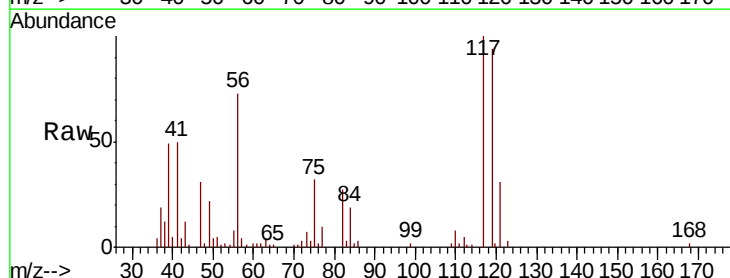
Instrument :
MSVOA_D
ClientSampleId :
VSTDICCC050

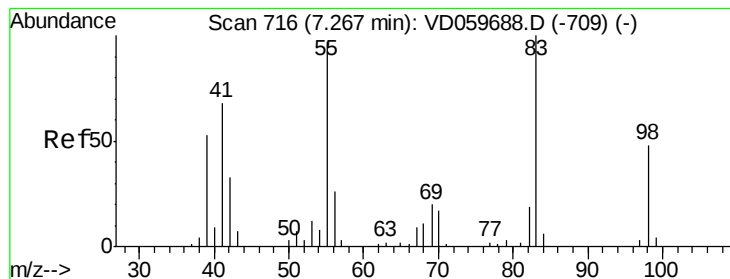
Tot Ion: 43 Resp: 73625
Ion Ratio Lower Upper
43 100
61 12.6 10.1 15.1
70 6.8 5.4 8.2



#38
Carbon Tetrachloride
Concen: 54.21 ug/l
RT: 5.70 min Scan# 557
Delta R.T. 0.00 min
Lab File: VD059688.D
Acq: 6 Aug 2018 12:05

Tgt Ion: 117 Resp: 205265
Ion Ratio Lower Upper
117 100
119 94.1 75.3 112.9
121 30.5 24.4 36.6





#39

Methvlcvclohexane

Concen: 56.33 ug/l

RT: 7.27 min Scan# 716

Delta R.T. 0.00 min

Lab File: VD059688.D

Acq: 6 Aug 2018 12:05

Instrument :

MSVOA_D

ClientSampleId :

VSTDICCC050

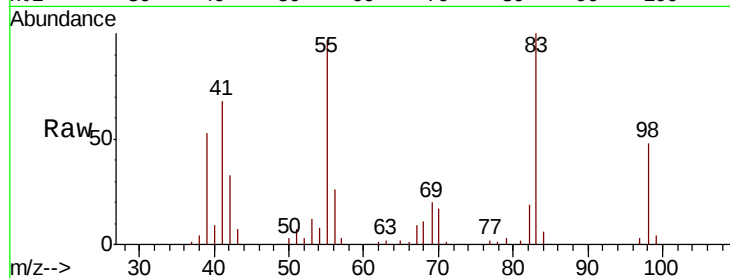
Tot Ion: 83 Resp: 130344

Ion Ratio Lower Upper

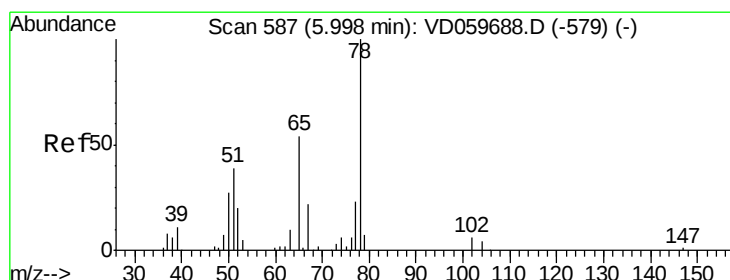
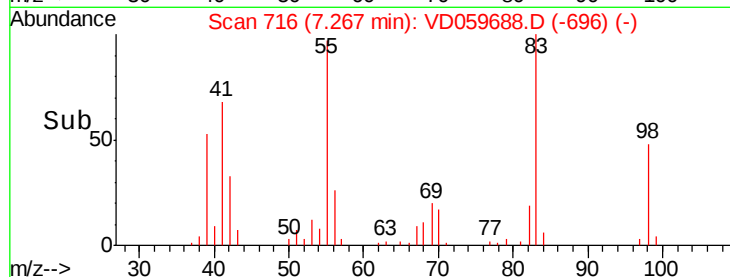
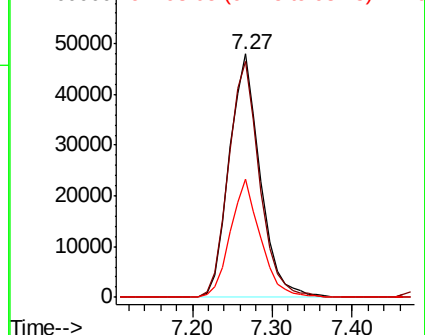
83 100

55 97.1 77.7 116.5

98 48.4 38.7 58.1



Abundance Ion 83.05 (82.75 to 83.75): VDC
Ion 55.00 (54.70 to 55.70): VDC
Ion 98.05 (97.75 to 98.75): VDC



#40

Benzene

Concen: 54.24 ug/l

RT: 6.00 min Scan# 587

Delta R.T. 0.00 min

Lab File: VD059688.D

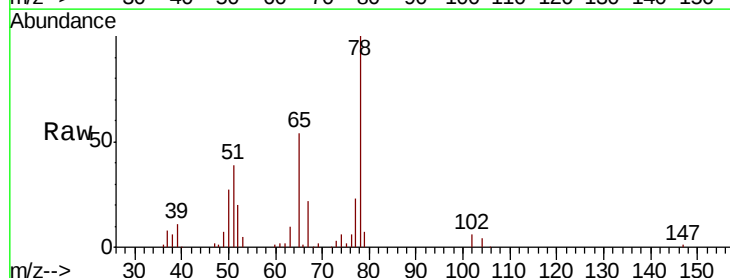
Acq: 6 Aug 2018 12:05

Tgt Ion: 78 Resp: 292287

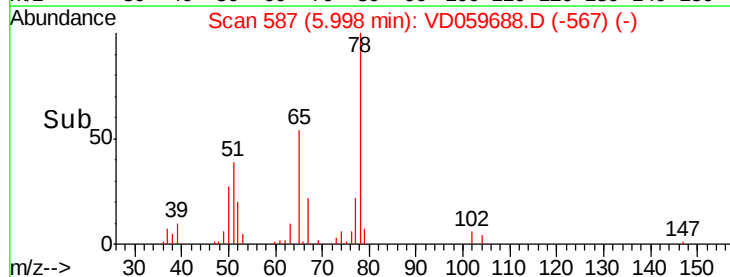
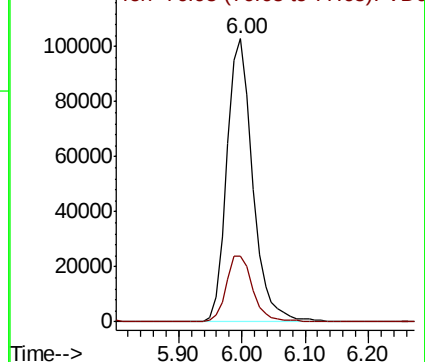
Ion Ratio Lower Upper

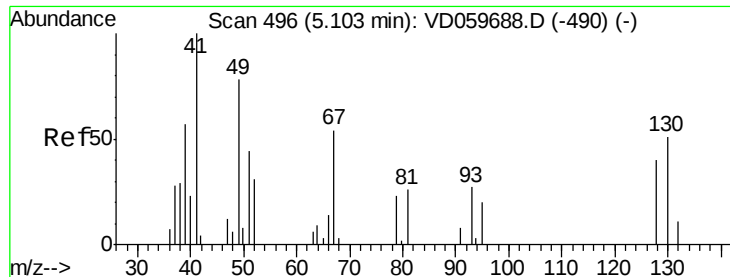
78 100

77 23.0 18.4 27.6



Abundance Ion 77.95 (77.65 to 78.65): VDC
Ion 76.95 (76.65 to 77.65): VDC

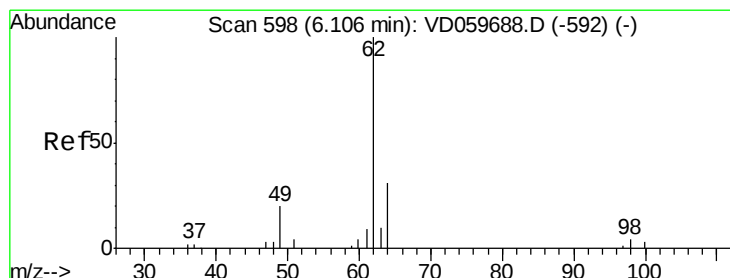
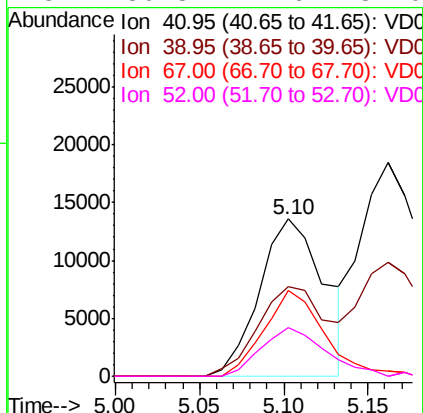
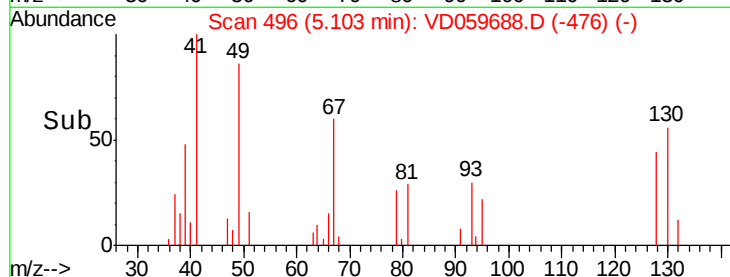
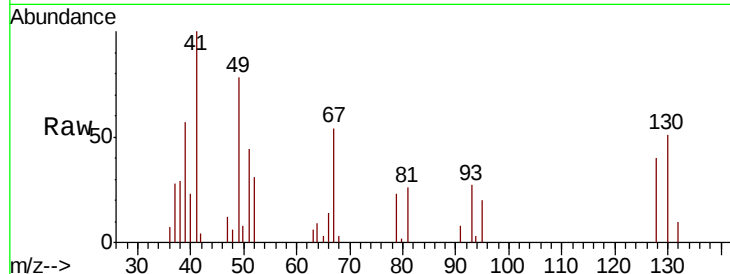




#41
Methacrylonitrile
Concen: 57.13 ug/l
RT: 5.10 min Scan# 496
Delta R.T. 0.00 min
Lab File: VD059688.D
Acq: 6 Aug 2018 12:05

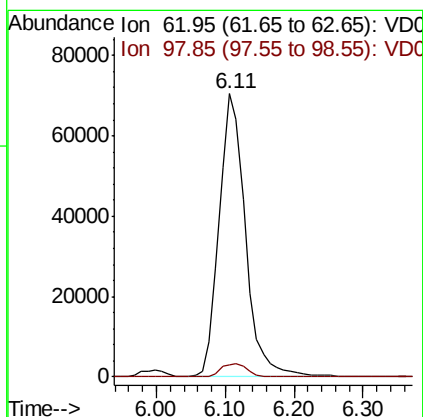
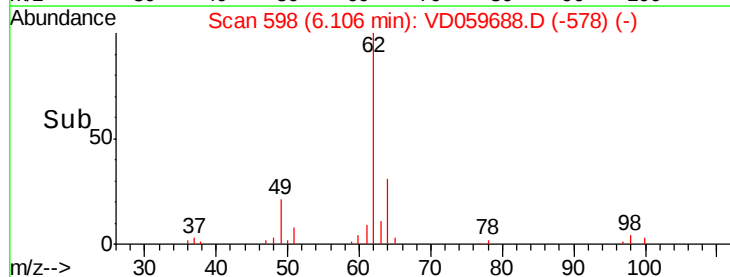
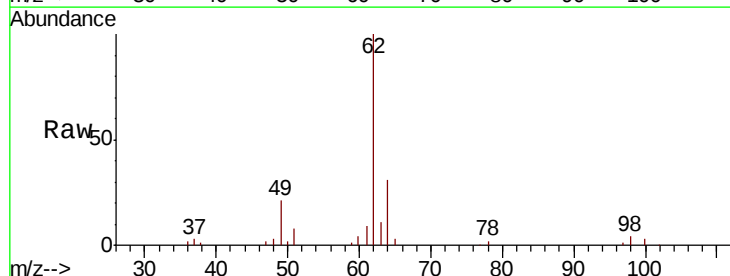
Instrument :
MSVOA_D
ClientSampleId :
VSTDICCC050

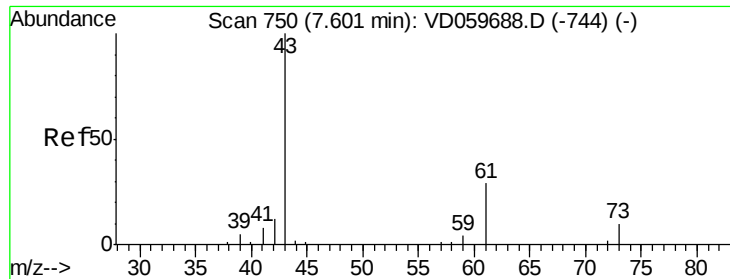
Tot Ion: 41 Resp: 36398
Ion Ratio Lower Upper
41 100
39 57.3 45.8 68.8
67 54.3 43.4 65.2
52 30.8 24.6 37.0



#42
1,2-Dichloroethane
Concen: 56.30 ug/l
RT: 6.11 min Scan# 598
Delta R.T. 0.00 min
Lab File: VD059688.D
Acq: 6 Aug 2018 12:05

Tgt Ion: 62 Resp: 186822
Ion Ratio Lower Upper
62 100
98 4.4 0.0 8.8



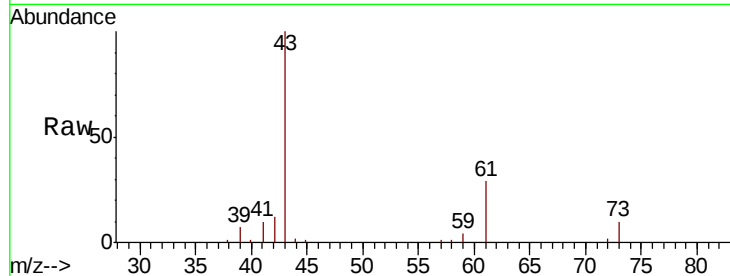


#43

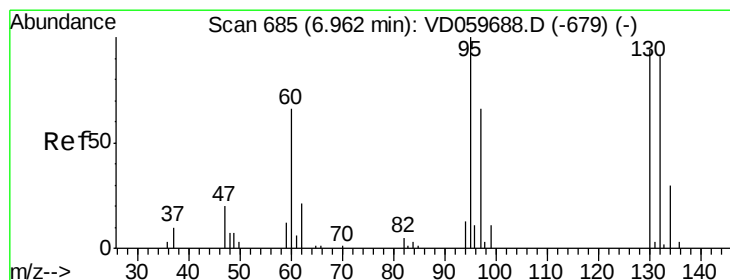
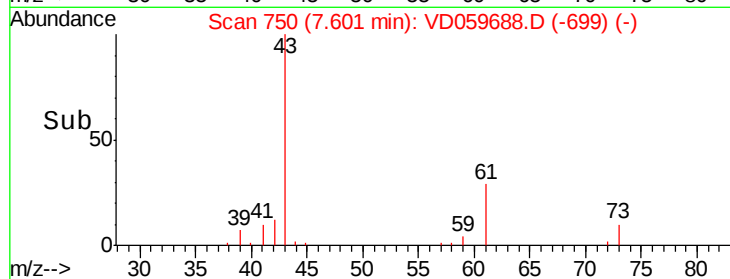
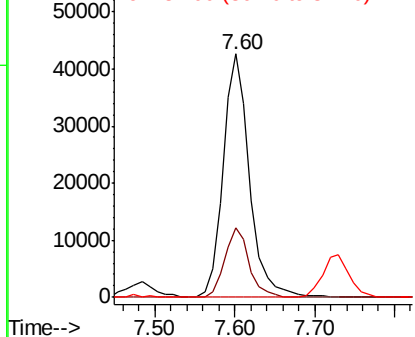
Isopropyl Acetate
 Concen: 56.61 ug/l
 RT: 7.60 min Scan# 750
 Delta R.T. 0.00 min
 Lab File: VD059688.D
 Acq: 6 Aug 2018 12:05

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDICCC050

Tot Ion: 43 Resp: 98629
 Ion Ratio Lower Upper
 43 100
 61 28.6 22.9 34.3
 87 0.0 0.0 0.0



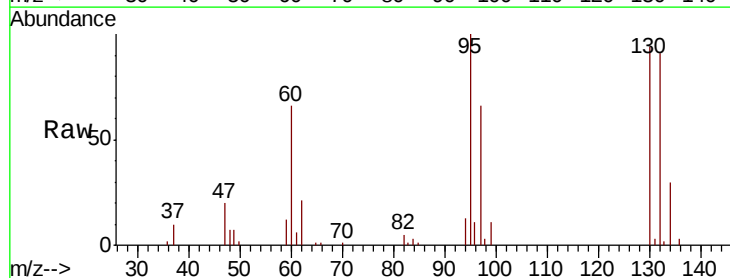
Abundance Ion 42.95 (42.65 to 43.65): VDC
 Ion 60.95 (60.65 to 61.65): VDC
 Ion 87.00 (86.70 to 87.70): VDC



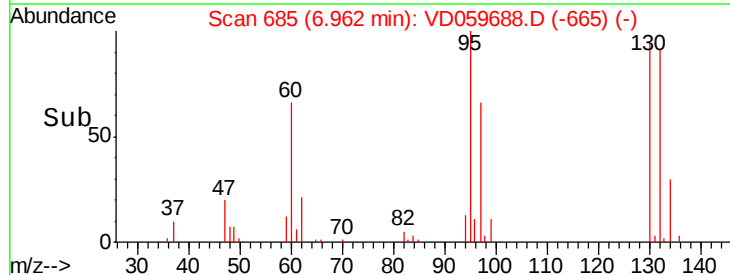
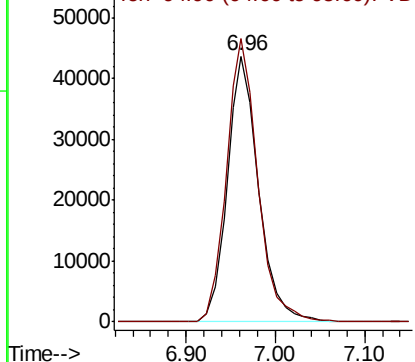
#44

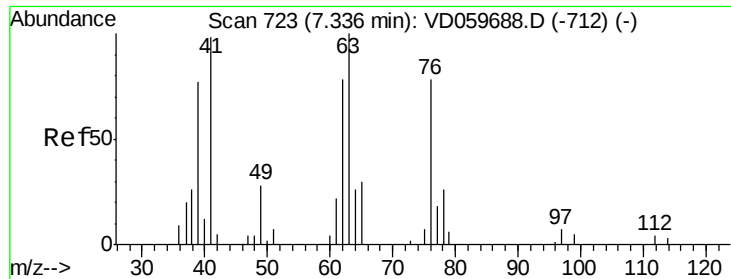
Trichloroethene
 Concen: 54.32 ug/l
 RT: 6.96 min Scan# 685
 Delta R.T. 0.00 min
 Lab File: VD059688.D
 Acq: 6 Aug 2018 12:05

Tgt Ion:130 Resp: 106815
 Ion Ratio Lower Upper
 130 100
 95 106.4 0.0 212.8



Abundance Ion 129.80 (129.50 to 130.50): VDC
 Ion 94.90 (94.60 to 95.60): VDC





#45

1,2-Dichloropropane

Concen: 53.93 ug/l

RT: 7.34 min Scan# 723

Delta R.T. 0.00 min

Lab File: VD059688.D

Acq: 6 Aug 2018 12:05

Instrument :

MSVOA_D

ClientSampleId :

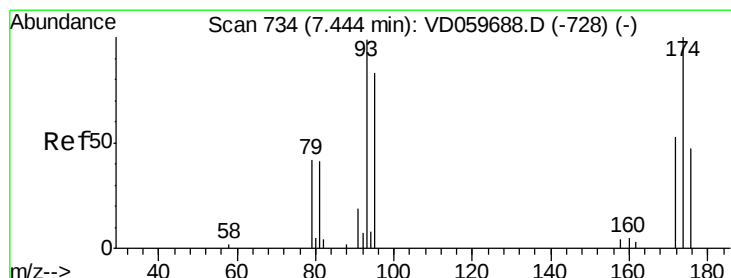
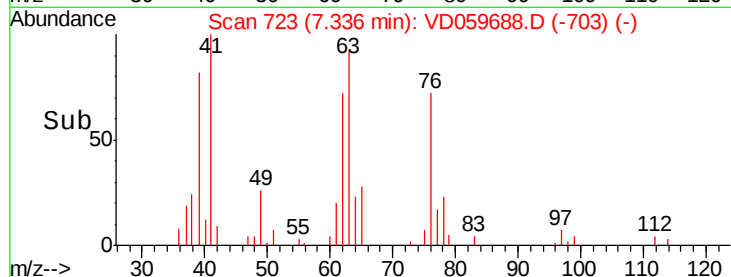
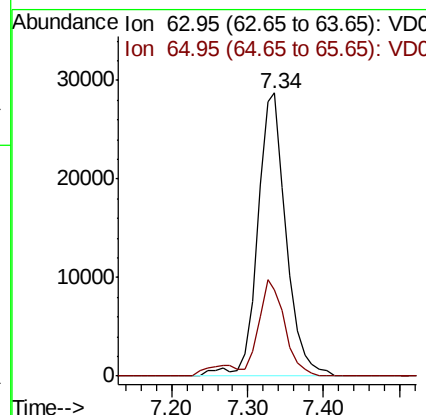
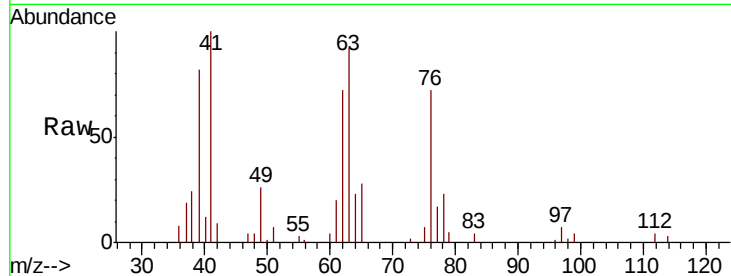
VSTDICCC050

Tot Ion: 63 Resp: 75084

Ion Ratio Lower Upper

63 100

65 30.3 24.2 36.4



#46

Dibromomethane

Concen: 57.50 ug/l

RT: 7.44 min Scan# 734

Delta R.T. 0.00 min

Lab File: VD059688.D

Acq: 6 Aug 2018 12:05

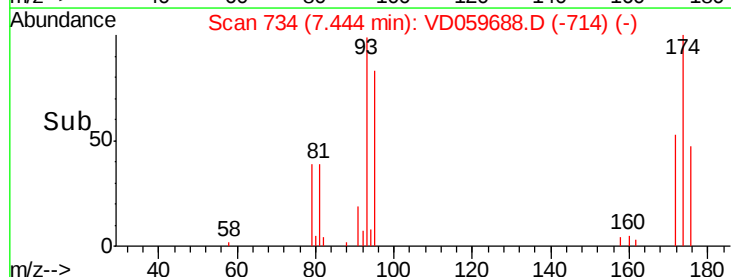
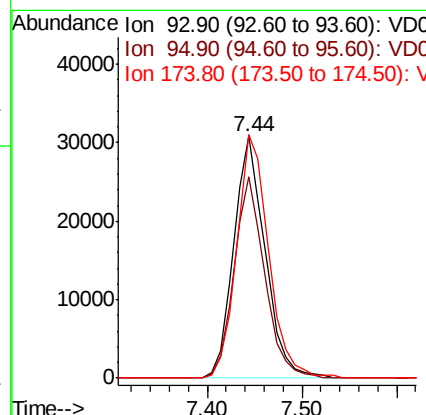
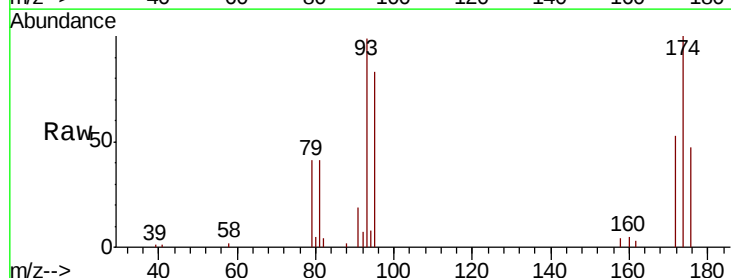
Tgt Ion: 93 Resp: 70446

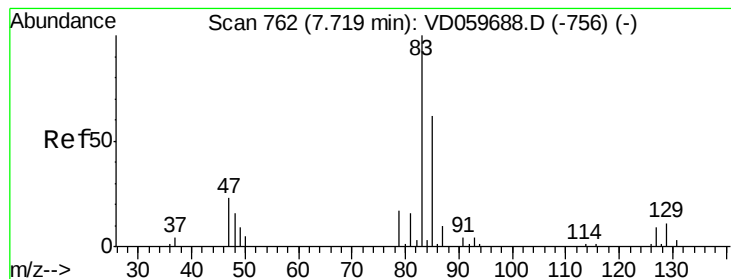
Ion Ratio Lower Upper

93 100

95 83.3 66.6 100.0

174 100.7 80.6 120.8





#47

Bromodichloromethane

Concen: 55.77 ug/l

RT: 7.72 min Scan# 762

Delta R.T. 0.00 min

Lab File: VD059688.D

Acq: 6 Aug 2018 12:05

Instrument :

MSVOA_D

ClientSampleId :

VSTDICCC050

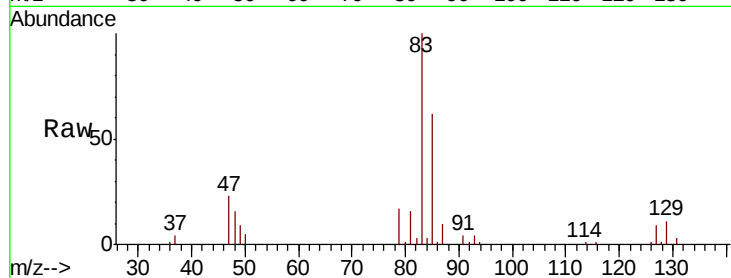
Tot Ion: 83 Resp: 175197

Ion Ratio Lower Upper

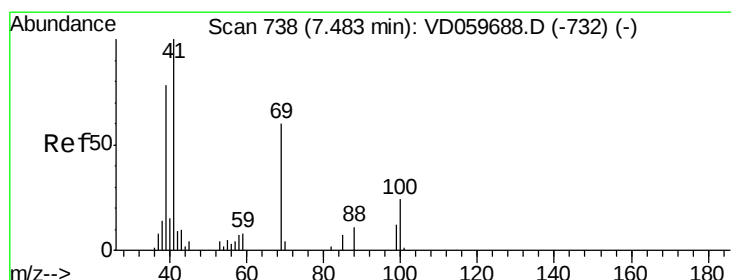
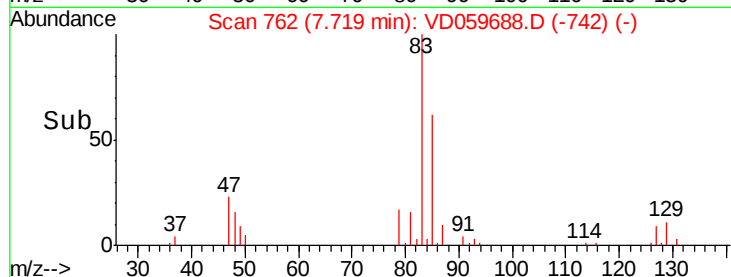
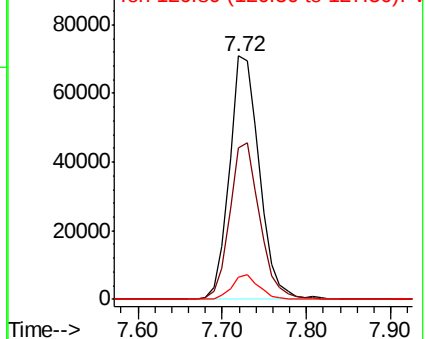
83 100

85 62.3 49.8 74.8

127 9.1 7.3 10.9



Abundance Ion 82.85 (82.55 to 83.55): VDC
Ion 84.95 (84.65 to 85.65): VDC
Ion 126.80 (126.50 to 127.50): VDC



#48

Methyl methacrylate

Concen: 55.93 ug/l

RT: 7.48 min Scan# 738

Delta R.T. 0.00 min

Lab File: VD059688.D

Acq: 6 Aug 2018 12:05

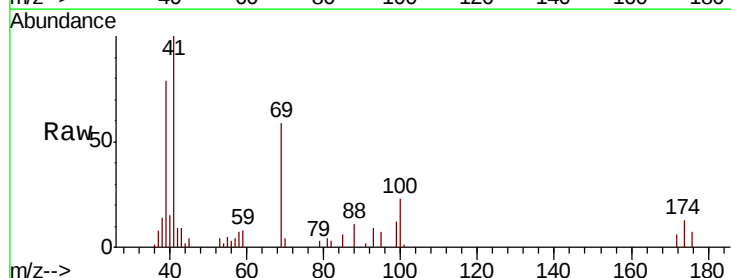
Tgt Ion: 41 Resp: 64551

Ion Ratio Lower Upper

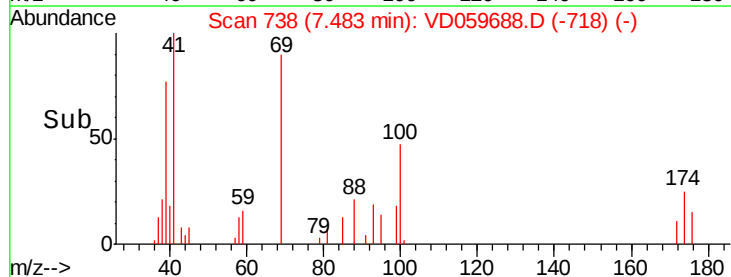
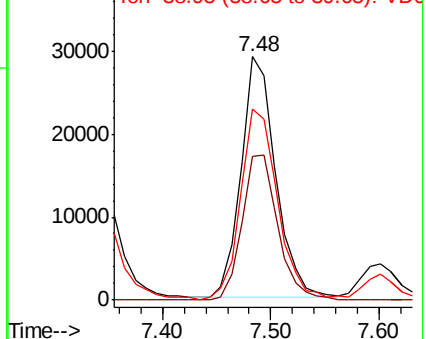
41 100

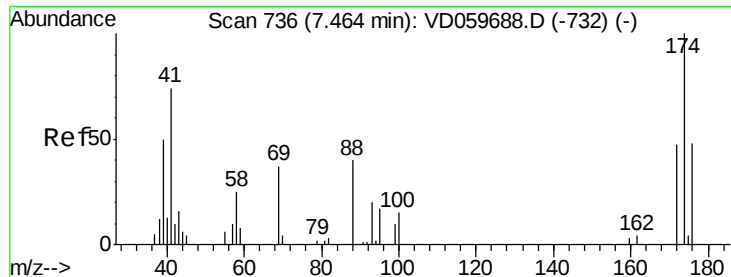
69 59.1 47.3 70.9

39 78.6 62.9 94.3



Abundance Ion 40.95 (40.65 to 41.65): VDC
Ion 69.00 (68.70 to 69.70): VDC
Ion 38.95 (38.65 to 39.65): VDC

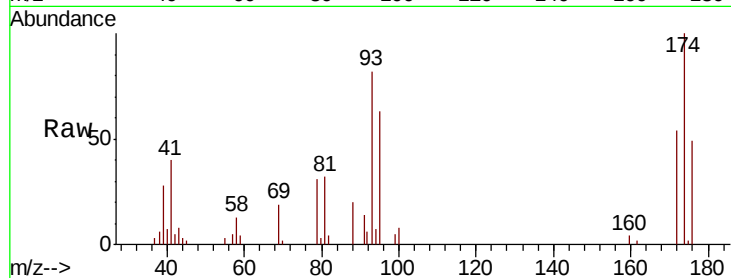




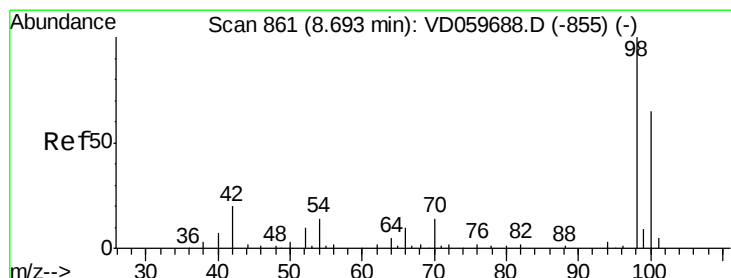
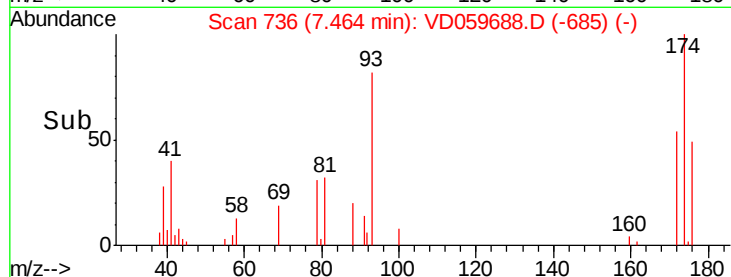
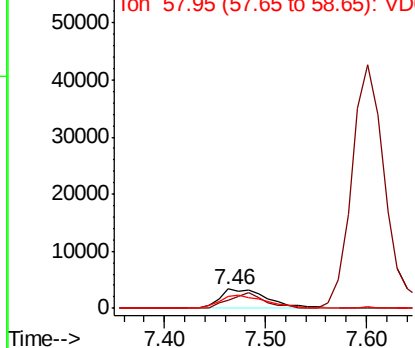
#49
 1,4-Dioxane
 Concen: 1232.54 ug/l
 RT: 7.46 min Scan# 736
 Delta R.T. 0.00 min
 Lab File: VD059688.D
 Acq: 6 Aug 2018 12:05

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDICCC050

Tot Ion: 88 Resp: 11065
 Ion Ratio Lower Upper
 88 100
 43 40.2 32.2 48.2
 58 64.4 51.5 77.3

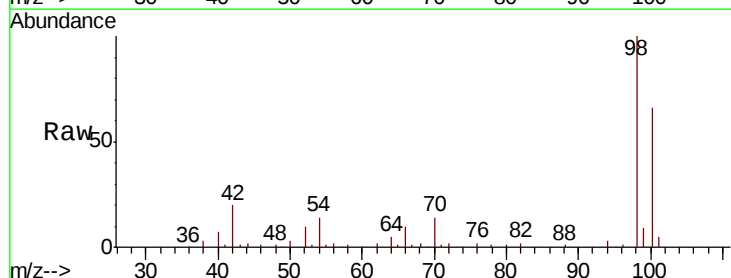


Abundance Ion 88.00 (87.70 to 88.70): VDC
 Ion 43.05 (42.75 to 43.75): VDC
 Ion 57.95 (57.65 to 58.65): VDC

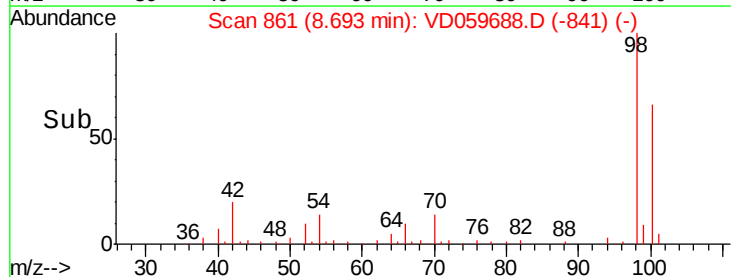
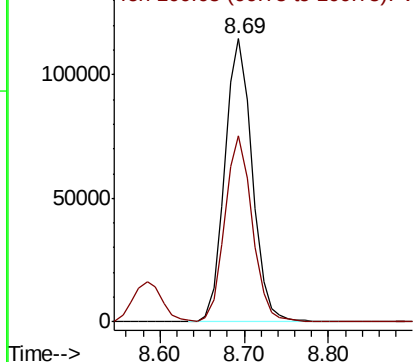


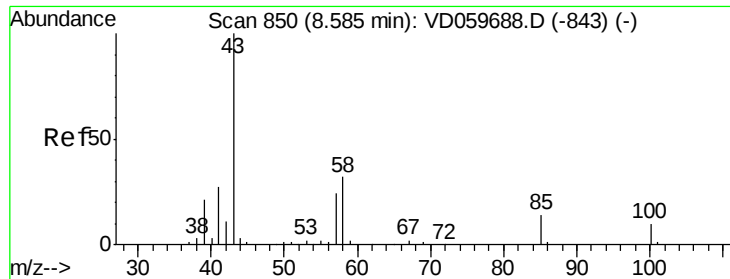
#50
 Toluene-d8
 Concen: 1232.54 ug/l
 RT: 8.69 min Scan# 861
 Delta R.T. 0.00 min
 Lab File: VD059688.D
 Acq: 6 Aug 2018 12:05

Tgt Ion: 98 Resp: 257692
 Ion Ratio Lower Upper
 98 100
 100 65.6 52.5 78.7



Abundance Ion 98.05 (97.75 to 98.75): VDC
 Ion 100.05 (99.75 to 100.75): VDC





#51

4-Methyl-2-Pentanone

Concen: 296.66 ug/l

RT: 8.59 min Scan# 850

Delta R.T. 0.00 min

Lab File: VD059688.D

Acq: 6 Aug 2018 12:05

Instrument :

MSVOA_D

ClientSampleId :

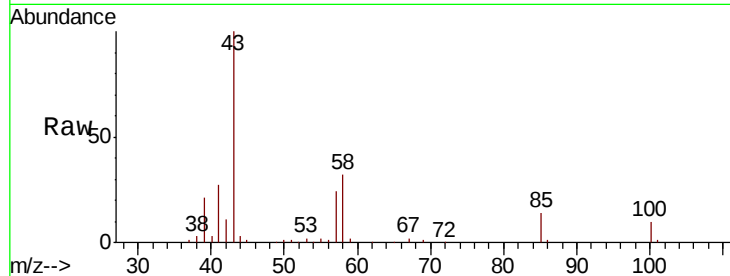
VSTDICCC050

Tot Ion: 43 Resp: 376348

Ion Ratio Lower Upper

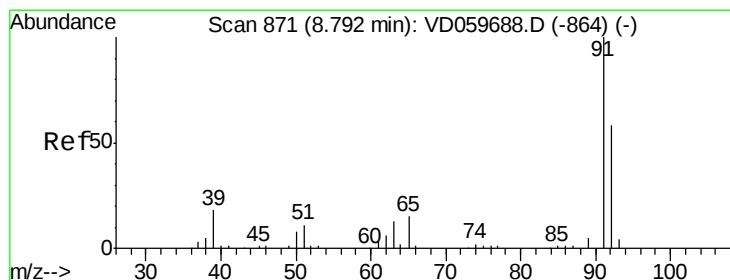
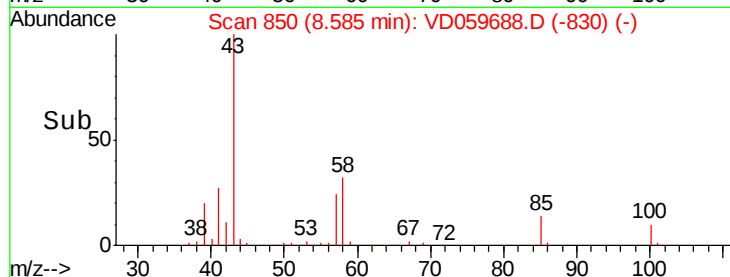
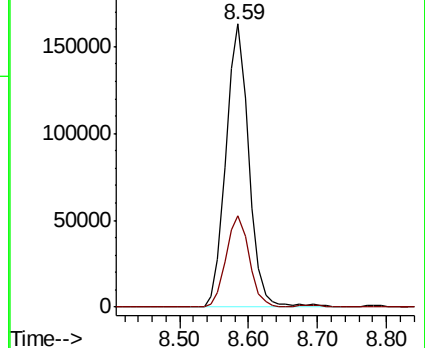
43 100

58 32.1 25.7 38.5



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC



#52

Toluene

Concen: 52.59 ug/l

RT: 8.79 min Scan# 871

Delta R.T. 0.00 min

Lab File: VD059688.D

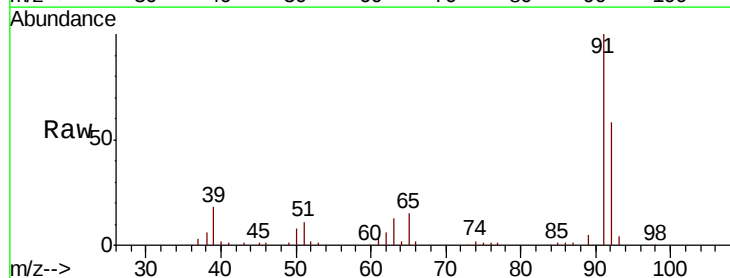
Acq: 6 Aug 2018 12:05

Tgt Ion: 92 Resp: 178520

Ion Ratio Lower Upper

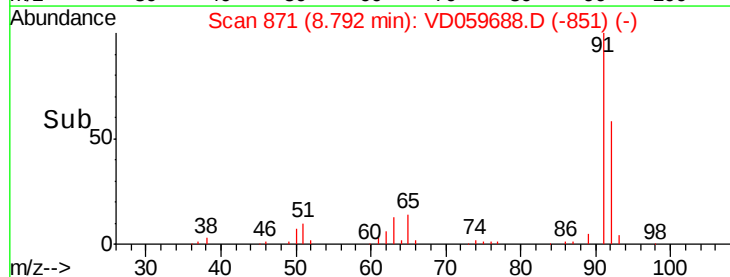
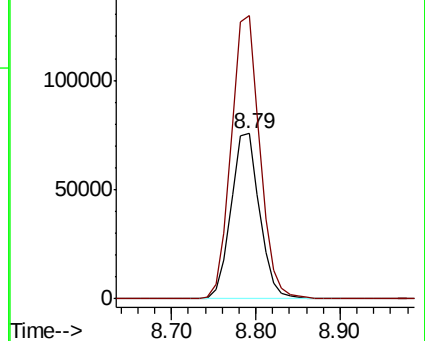
92 100

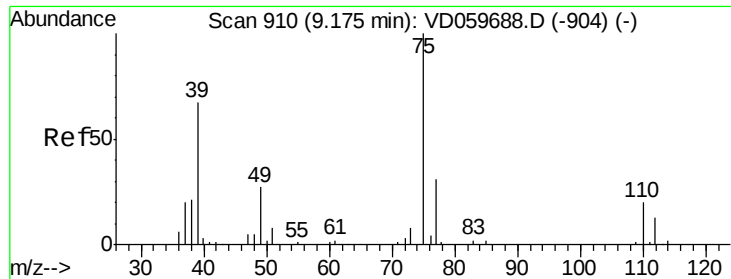
91 171.3 137.0 205.6



Abundance Ion 92.00 (91.70 to 92.70): VDC

Ion 91.00 (90.70 to 91.70): VDC

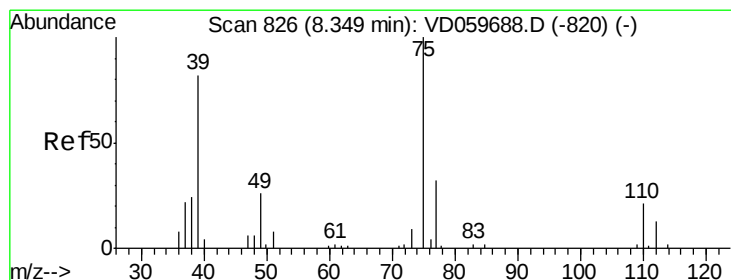
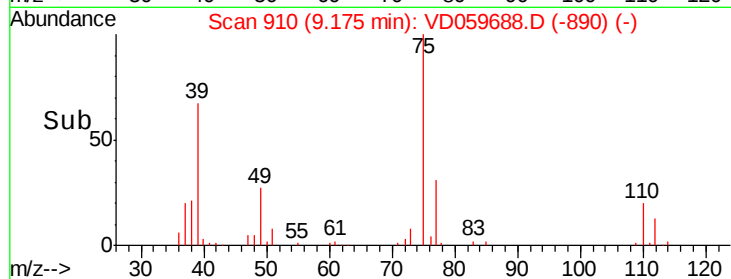
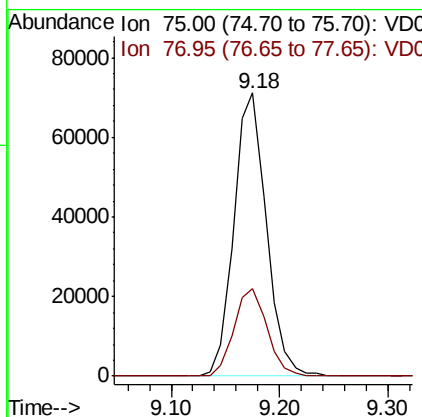
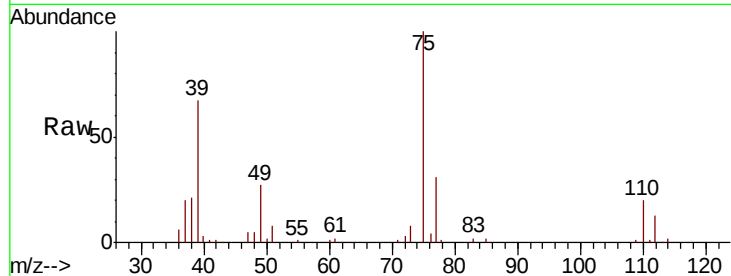




#53
t-1,3-Dichloropropene
Concen: 55.50 ug/l
RT: 9.18 min Scan# 910
Delta R.T. 0.00 min
Lab File: VD059688.D
Acq: 6 Aug 2018 12:05

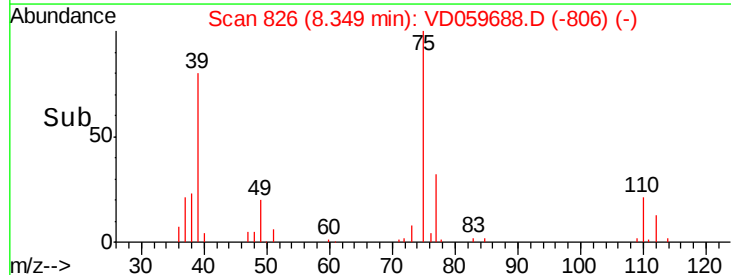
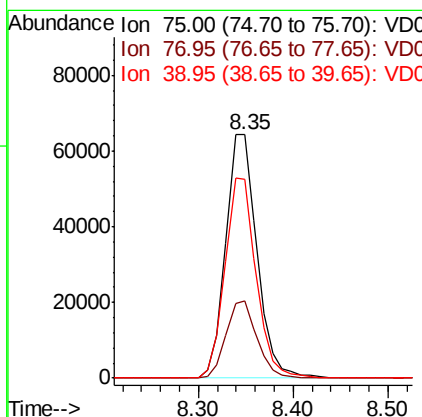
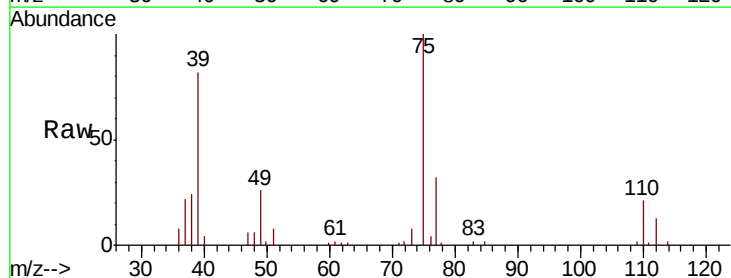
Instrument :
MSVOA_D
ClientSampleId :
VSTDICCC050

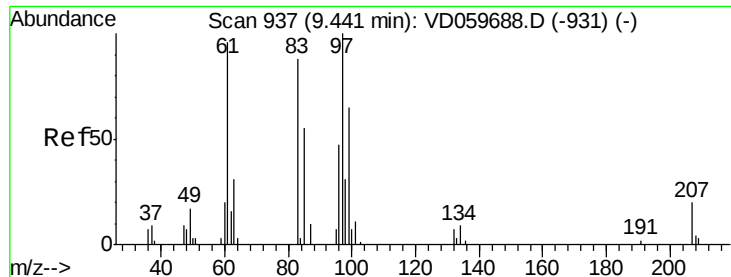
Tot Ion: 75 Resp: 147670
Ion Ratio Lower Upper
75 100
77 30.9 24.7 37.1



#54
cis-1,3-Dichloropropene
Concen: 54.65 ug/l
RT: 8.35 min Scan# 826
Delta R.T. 0.00 min
Lab File: VD059688.D
Acq: 6 Aug 2018 12:05

Tgt Ion: 75 Resp: 146740
Ion Ratio Lower Upper
75 100
77 31.9 25.5 38.3
39 81.8 65.4 98.2





#55

1,1,2-Trichloroethane

Concen: 51.14 ug/l

RT: 9.44 min Scan# 937

Delta R.T. 0.00 min

Lab File: VD059688.D

Acq: 6 Aug 2018 12:05

Instrument :

MSVOA_D

ClientSampleId :

VSTDICCC050

Tot Ion: 97 Resp: 66573

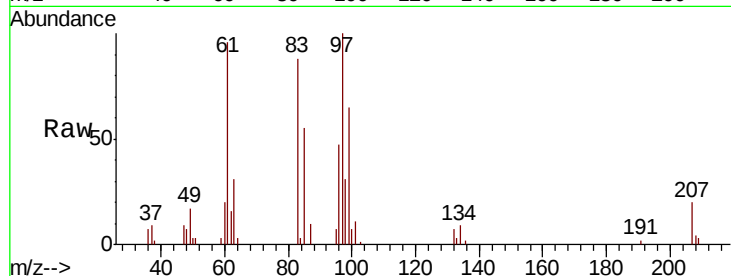
Ion Ratio Lower Upper

97 100

83 88.5 70.8 106.2

85 55.1 44.1 66.1

99 65.3 52.2 78.4

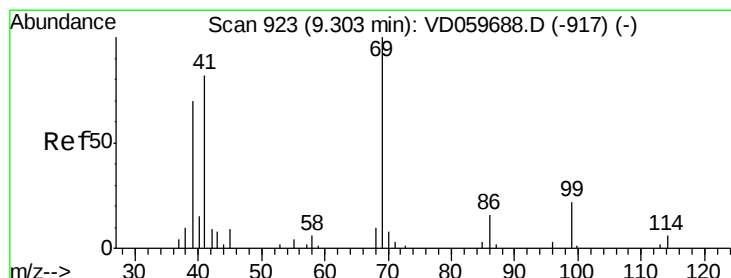
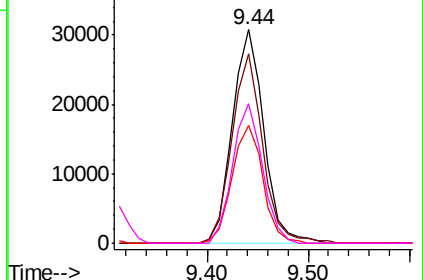
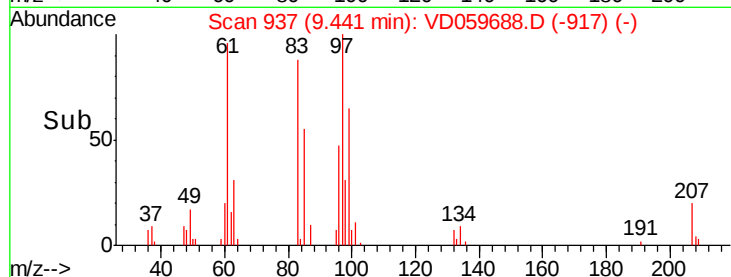


Abundance Ion 96.85 (96.55 to 97.55): VDC

Ion 82.95 (82.65 to 83.65): VDC

Ion 84.95 (84.65 to 85.65): VDC

Ion 98.85 (98.55 to 99.55): VDC



#56

Ethyl methacrylate

Concen: 54.84 ug/l

RT: 9.30 min Scan# 923

Delta R.T. 0.00 min

Lab File: VD059688.D

Acq: 6 Aug 2018 12:05

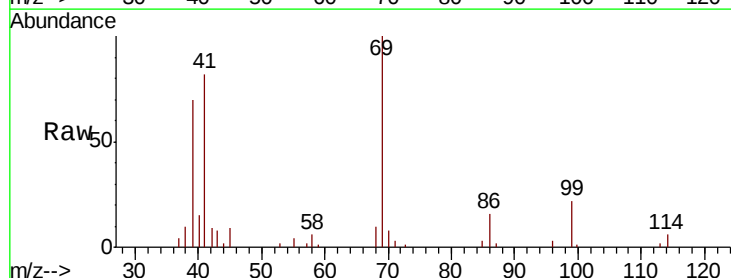
Tgt Ion: 69 Resp: 80739

Ion Ratio Lower Upper

69 100

41 82.1 65.7 98.5

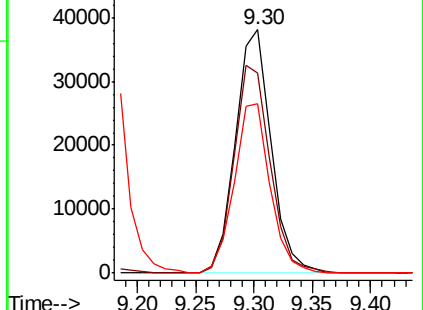
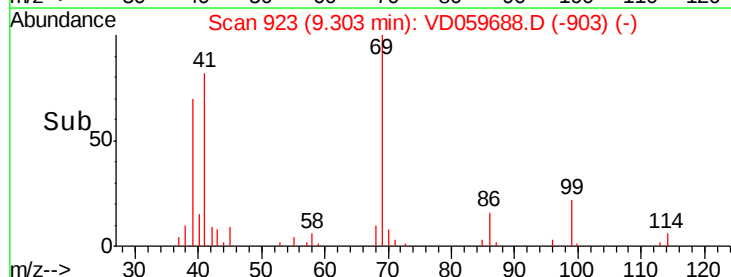
39 69.8 55.8 83.8

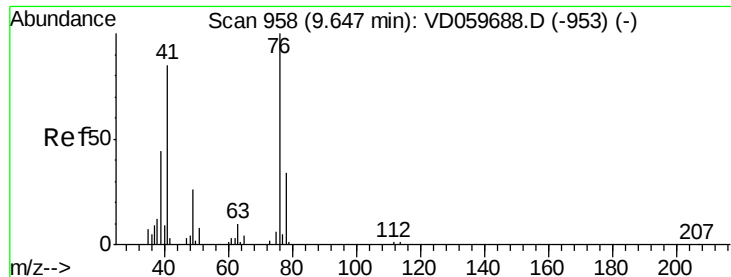


Abundance Ion 69.00 (68.70 to 69.70): VDC

Ion 41.05 (40.75 to 41.75): VDC

Ion 38.95 (38.65 to 39.65): VDC





#57

1,3-Dichloropropane

Concen: 53.40 ug/l

RT: 9.65 min Scan# 958

Delta R.T. 0.00 min

Lab File: VD059688.D

Acq: 6 Aug 2018 12:05

Instrument :

MSVOA_D

ClientSampleId :

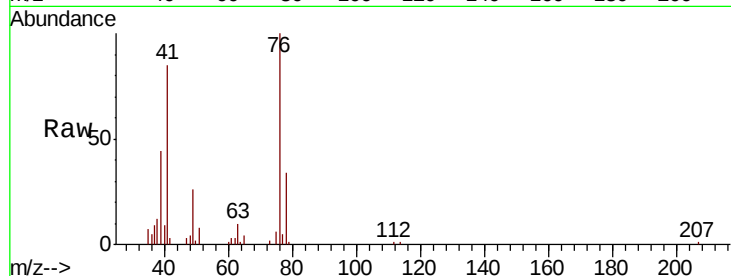
VSTDICCC050

Tot Ion: 76 Resp: 111781

Ion Ratio Lower Upper

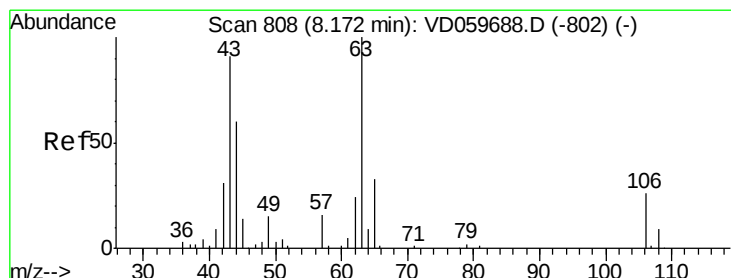
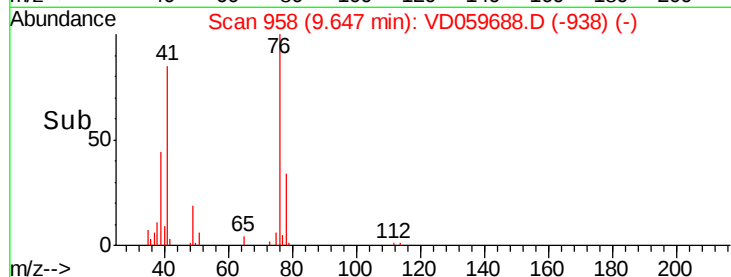
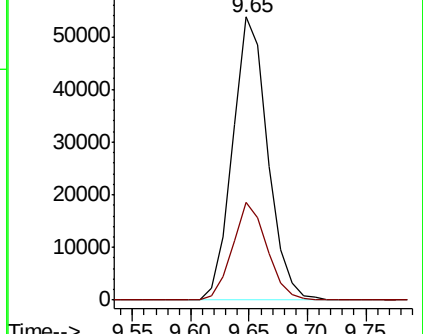
76 100

78 34.4 27.5 41.3



Abundance Ion 75.95 (75.65 to 76.65): VDC

Ion 77.95 (77.65 to 78.65): VDC



#58

2-Chloroethyl Vinyl ether

Concen: 260.90 ug/l

RT: 8.17 min Scan# 808

Delta R.T. 0.00 min

Lab File: VD059688.D

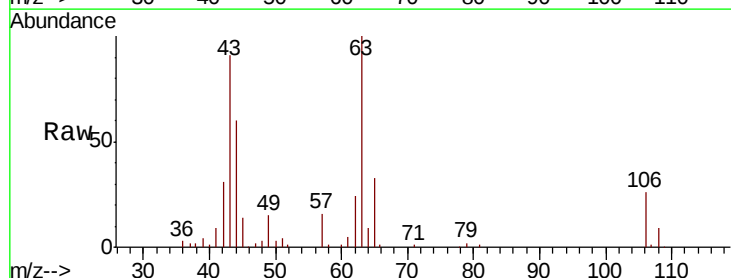
Acq: 6 Aug 2018 12:05

Tgt Ion: 63 Resp: 181276

Ion Ratio Lower Upper

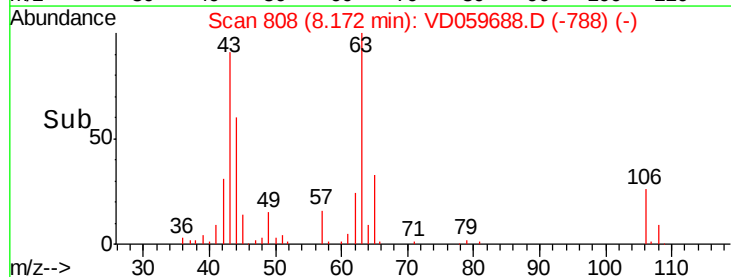
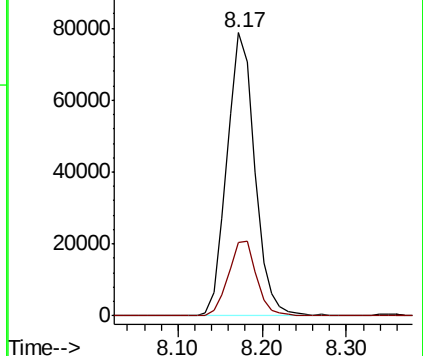
63 100

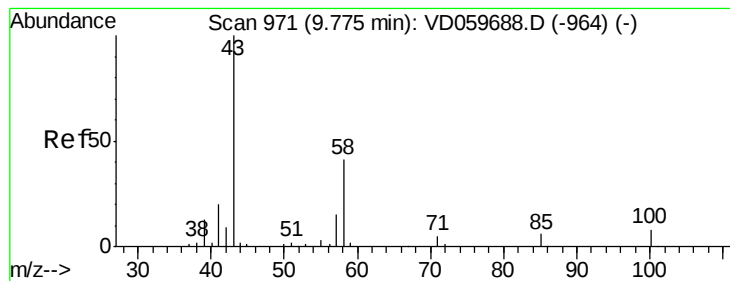
106 25.9 20.7 31.1



Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 105.95 (105.65 to 106.65): VDC





#59

2-Hexanone

Concen: 299.72 ug/l

RT: 9.78 min Scan# 971

Delta R.T. 0.00 min

Lab File: VD059688.D

Acq: 6 Aug 2018 12:05

Instrument :

MSVOA_D

ClientSampleId :

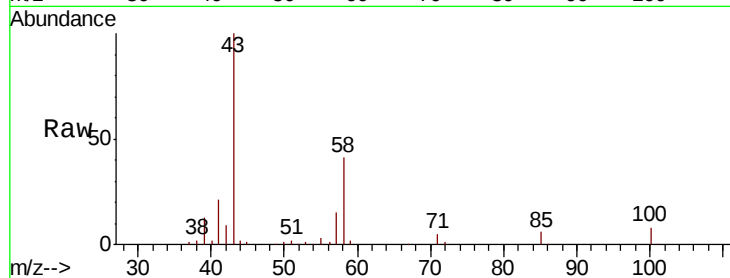
VSTDICCC050

Tot Ion: 43 Resp: 287778

Ion Ratio Lower Upper

43 100

58 40.9 20.4 61.3



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC

9.78

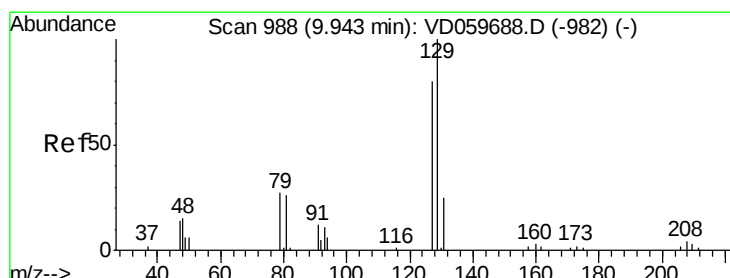
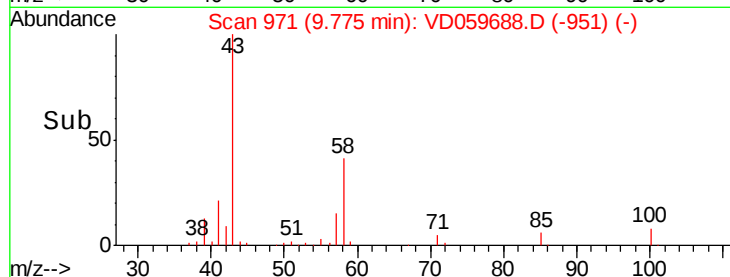
150000

100000

50000

0

Time-->



#60

Dibromochloromethane

Concen: 56.77 ug/l

RT: 9.94 min Scan# 988

Delta R.T. 0.00 min

Lab File: VD059688.D

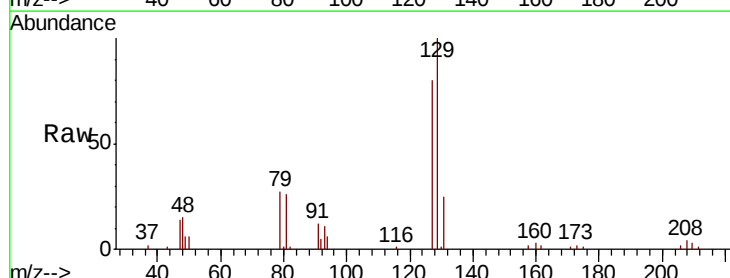
Acq: 6 Aug 2018 12:05

Tgt Ion: 129 Resp: 120197

Ion Ratio Lower Upper

129 100

127 79.9 40.0 119.9



Abundance Ion 128.80 (128.50 to 129.50): V

Ion 126.80 (126.50 to 127.50): V

9.94

60000

50000

40000

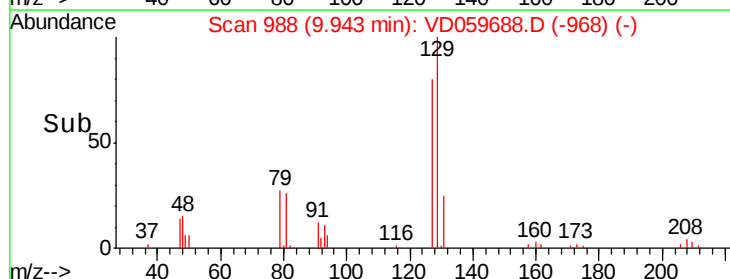
30000

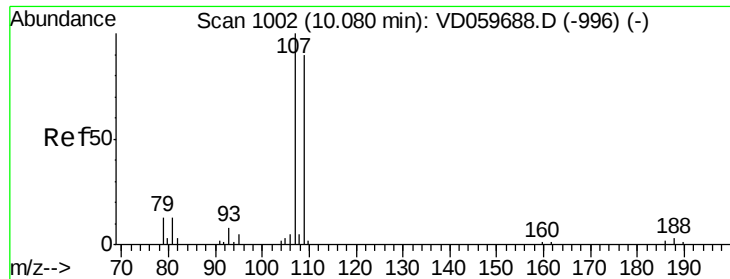
20000

10000

0

Time-->





#61

1,2-Dibromoethane

Concen: 55.80 ug/l

RT: 10.08 min Scan# 1002

Delta R.T. 0.00 min

Lab File: VD059688.D

Acq: 6 Aug 2018 12:05

Instrument :

MSVOA_D

ClientSampleId :

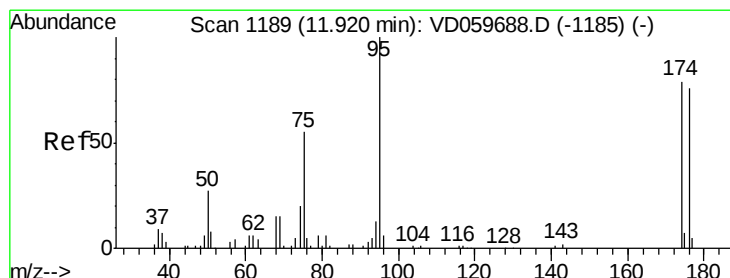
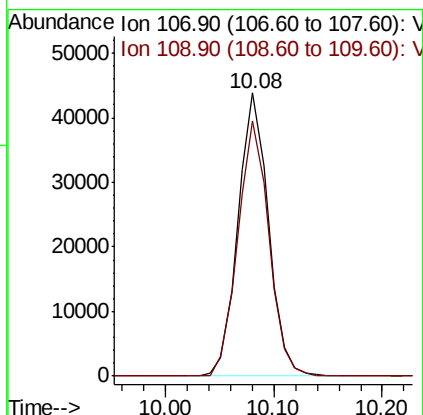
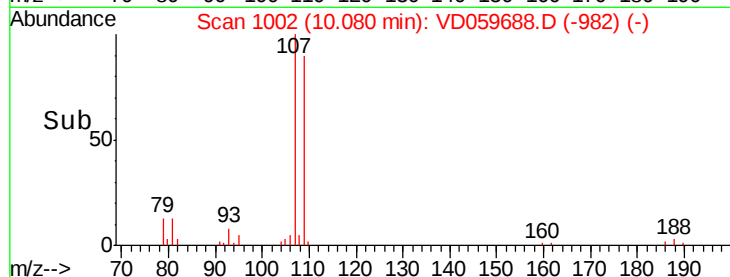
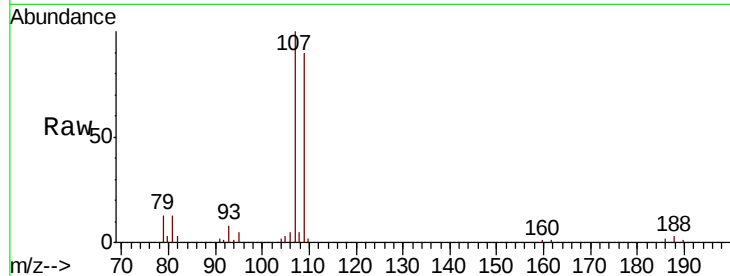
VSTDICCC050

Tot Ion:107 Resp: 85578

Ion Ratio Lower Upper

107 100

109 90.0 72.0 108.0



#62

4-Bromofluorobenzene

Concen: 55.80 ug/l

RT: 11.92 min Scan# 1189

Delta R.T. 0.00 min

Lab File: VD059688.D

Acq: 6 Aug 2018 12:05

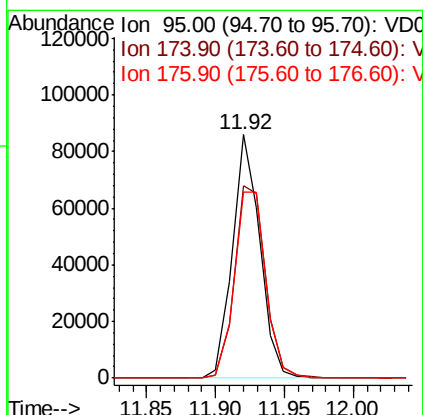
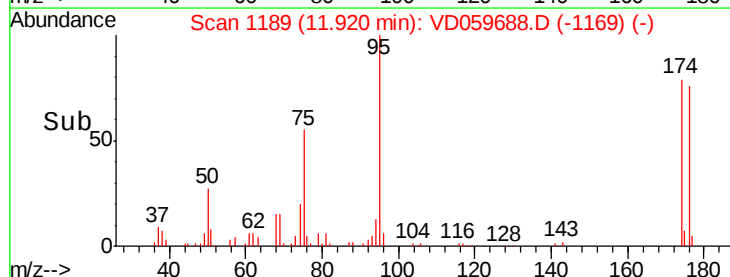
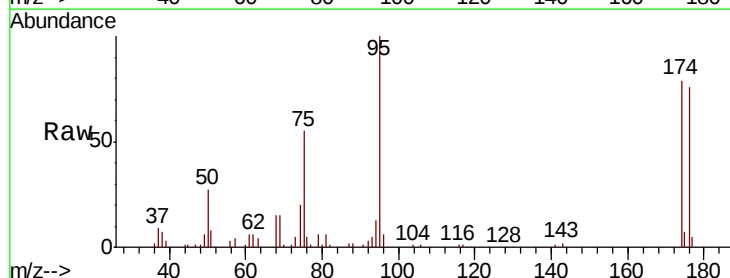
Tgt Ion: 95 Resp: 119227

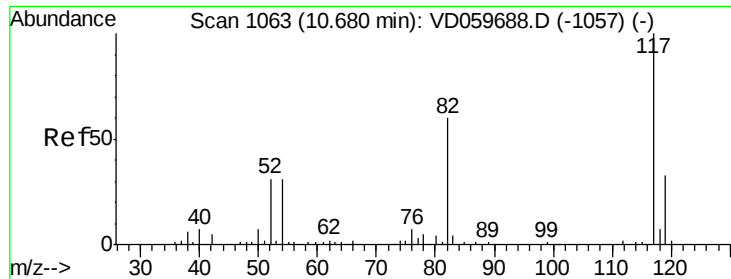
Ion Ratio Lower Upper

95 100

174 79.2 0.0 158.4

176 76.5 0.0 153.0

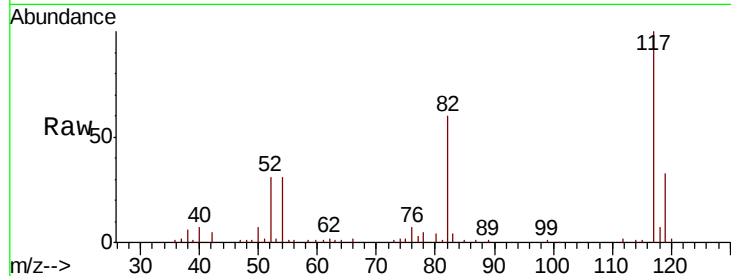




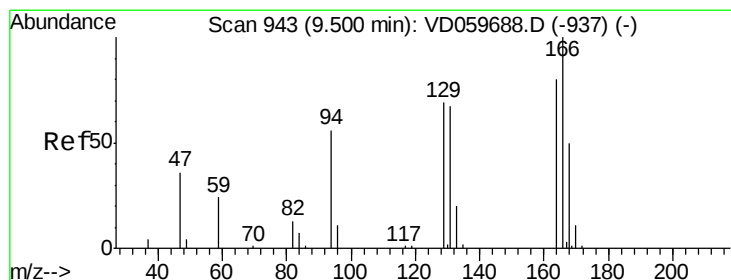
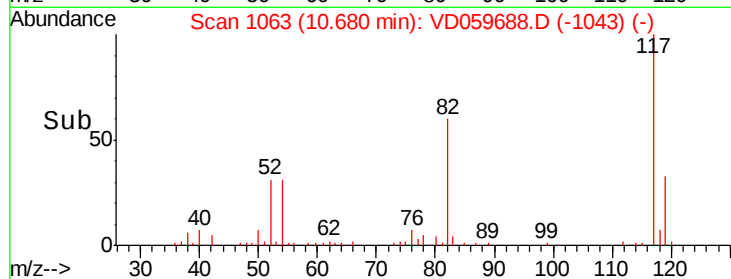
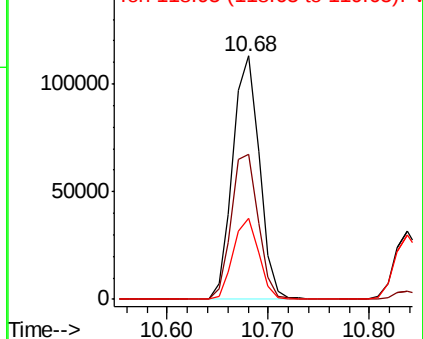
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.68 min Scan# 1063
Delta R.T. 0.00 min
Lab File: VD059688.D
Acq: 6 Aug 2018 12:05

Instrument :
MSVOA_D
ClientSampleId :
VSTDICCC050

Tot Ion:117 Resp: 207841
Ion Ratio Lower Upper
117 100
82 59.6 47.7 71.5
119 33.3 26.6 40.0

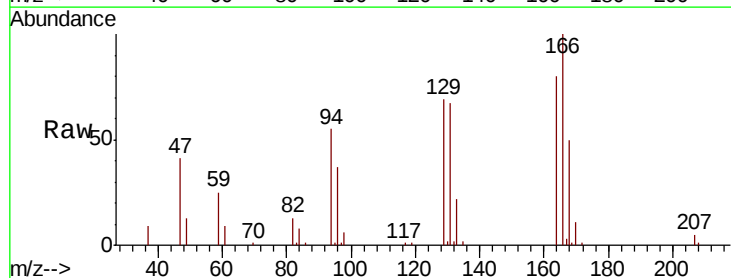


Abundance Ion 116.95 (116.65 to 117.65): V
Ion 82.05 (81.75 to 82.75): V
Ion 118.95 (118.65 to 119.65): V

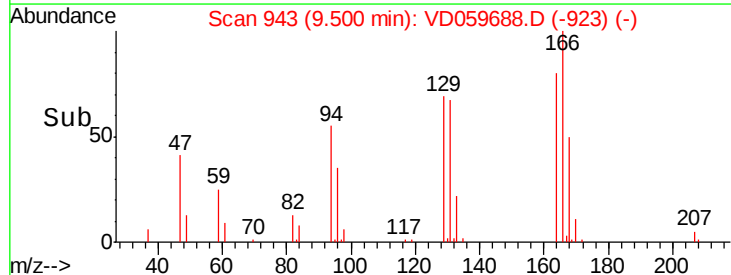
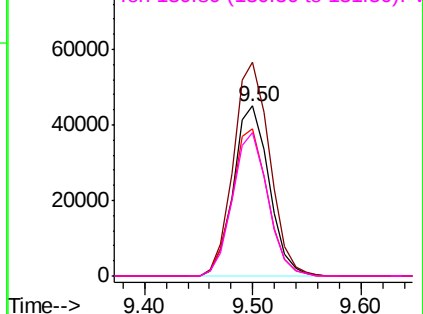


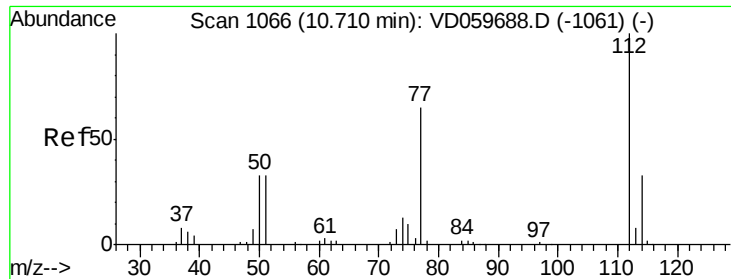
#64
Tetrachloroethene
Concen: 53.28 ug/l
RT: 9.50 min Scan# 943
Delta R.T. 0.00 min
Lab File: VD059688.D
Acq: 6 Aug 2018 12:05

Tgt Ion:164 Resp: 103089
Ion Ratio Lower Upper
164 100
166 125.6 100.5 150.7
129 86.6 69.3 103.9
131 84.1 67.3 100.9



Abundance Ion 163.85 (163.55 to 164.55): V
Ion 165.85 (165.55 to 166.55): V
Ion 128.80 (128.50 to 129.50): V
Ion 130.80 (130.50 to 131.50): V

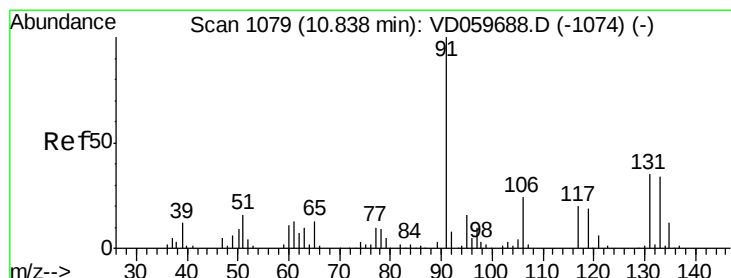
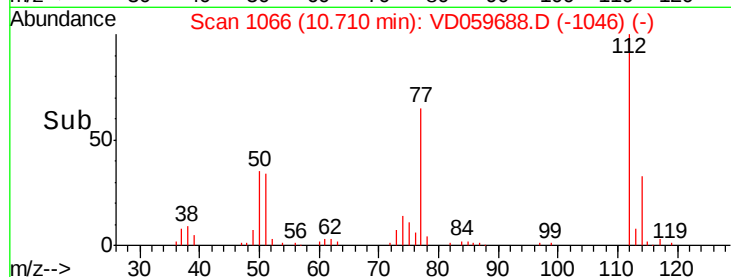
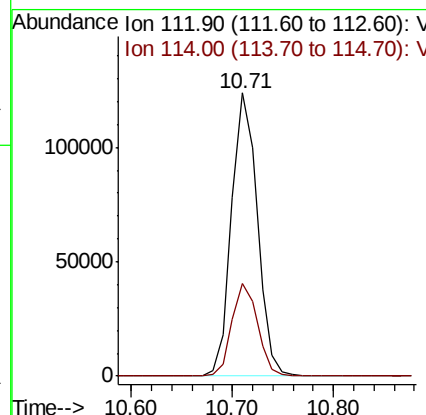
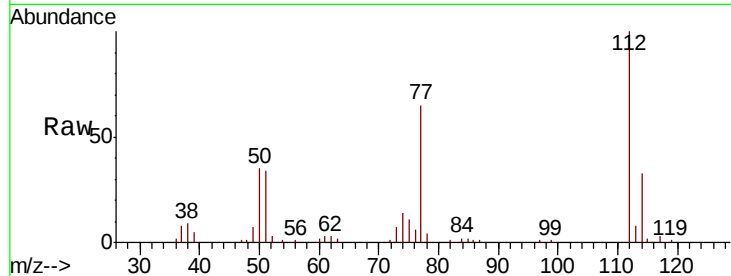




#65
Chlorobenzene
Concen: 52.07 ug/l
RT: 10.71 min Scan# 1066
Delta R.T. 0.00 min
Lab File: VD059688.D
Acq: 6 Aug 2018 12:05

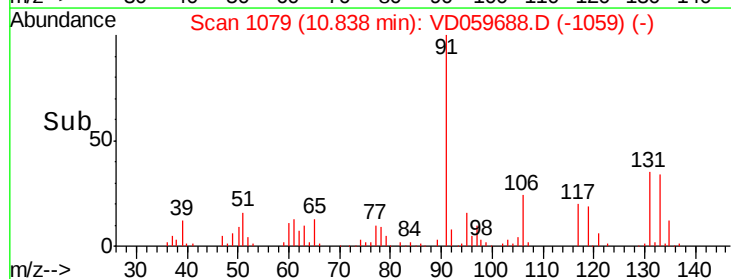
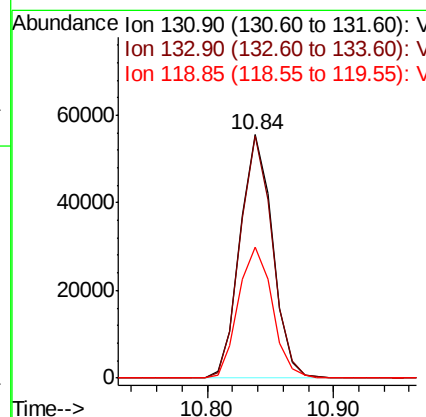
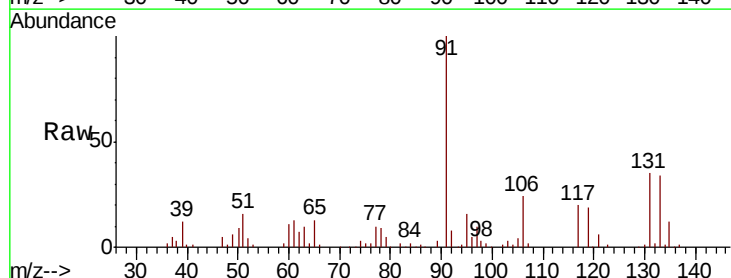
Instrument :
MSVOA_D
ClientSampleId :
VSTDICCC050

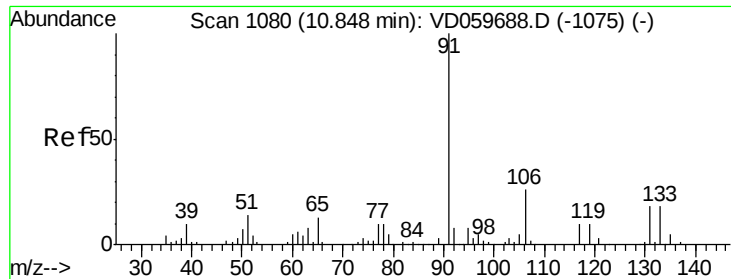
Tot Ion:112 Resp: 219658
Ion Ratio Lower Upper
112 100
114 32.6 26.1 39.1



#66
1,1,1,2-Tetrachloroethane
Concen: 52.09 ug/l
RT: 10.84 min Scan# 1079
Delta R.T. 0.00 min
Lab File: VD059688.D
Acq: 6 Aug 2018 12:05

Tgt Ion:131 Resp: 98769
Ion Ratio Lower Upper
131 100
133 99.4 49.7 149.1
119 53.9 27.0 80.8

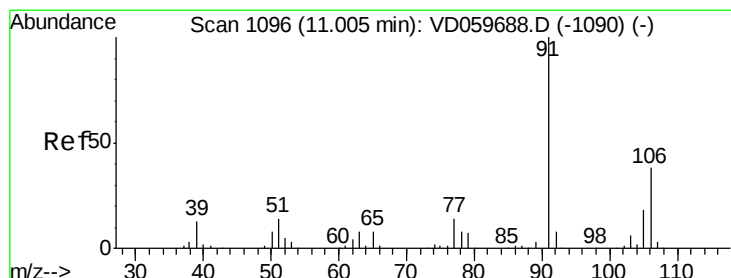
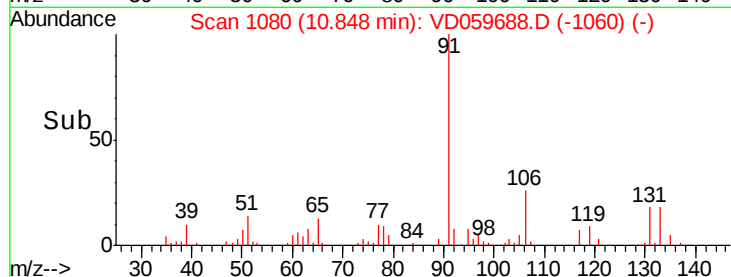
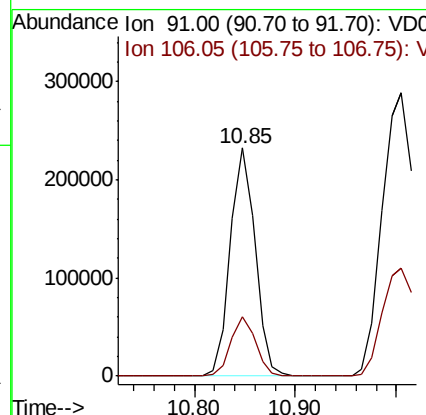
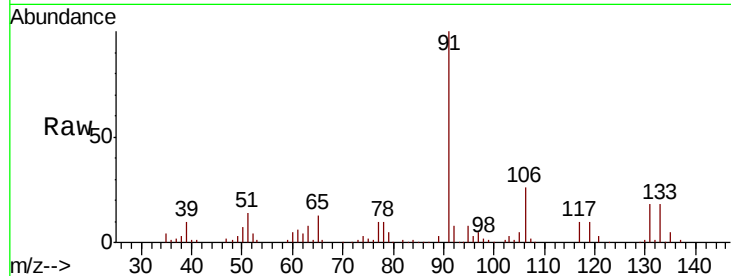




#67
Ethyl Benzene
Concen: 51.09 ug/l
RT: 10.85 min Scan# 1080
Delta R.T. 0.00 min
Lab File: VD059688.D
Acq: 6 Aug 2018 12:05

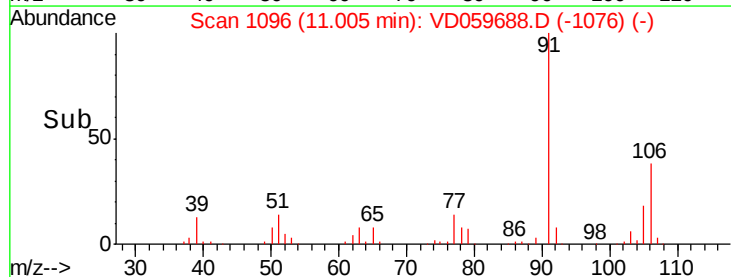
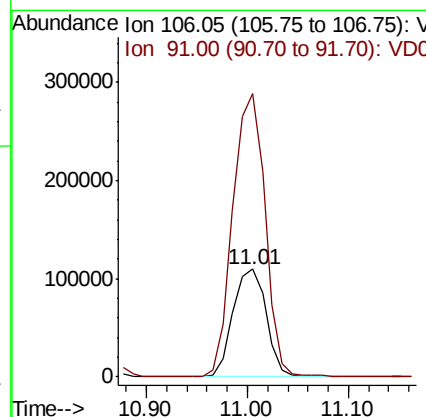
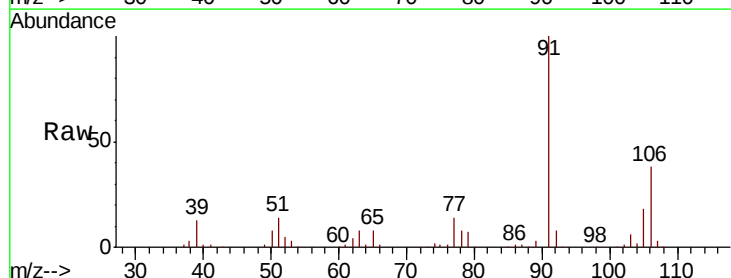
Instrument :
MSVOA_D
ClientSampleId :
VSTDICCC050

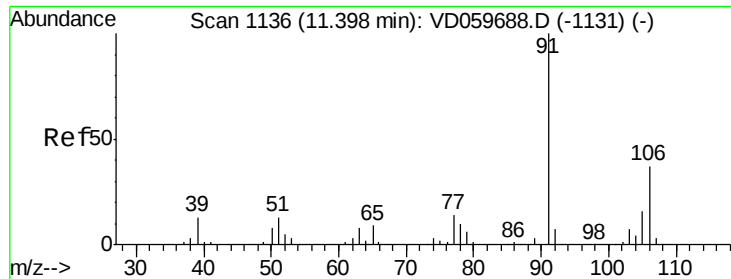
Tot Ion: 91 Resp: 398415
Ion Ratio Lower Upper
91 100
106 26.1 20.9 31.3



#68
m/p-Xylenes
Concen: 101.80 ug/l
RT: 11.01 min Scan# 1096
Delta R.T. 0.00 min
Lab File: VD059688.D
Acq: 6 Aug 2018 12:05

Tgt Ion: 106 Resp: 251907
Ion Ratio Lower Upper
106 100
91 262.1 209.7 314.5

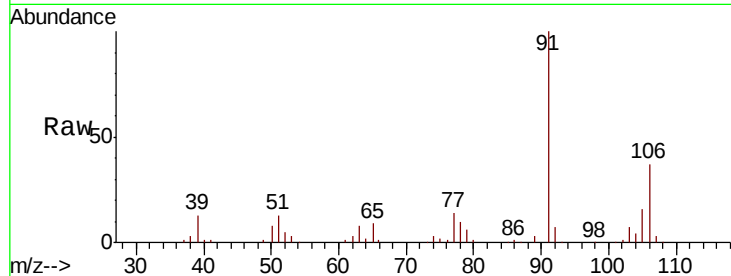




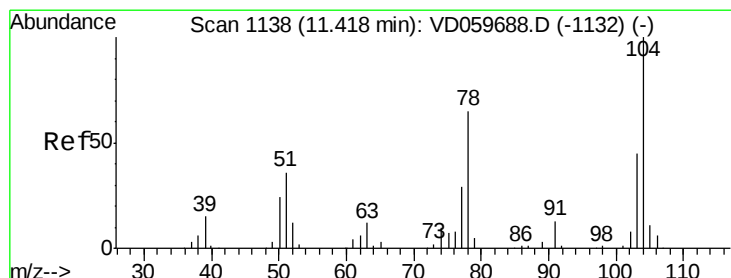
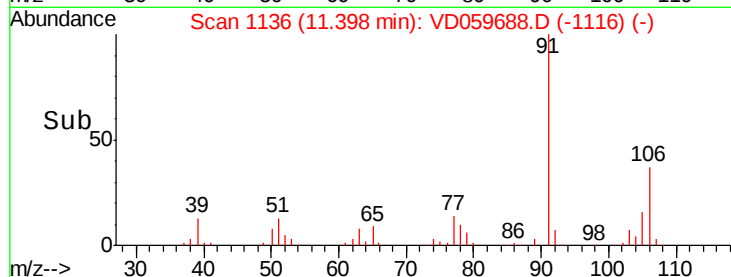
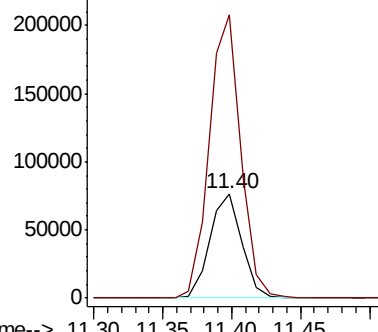
#69
o-Xylene
Concen: 50.94 ug/l
RT: 11.40 min Scan# 1136
Delta R.T. 0.00 min
Lab File: VD059688.D
Acq: 6 Aug 2018 12:05

Instrument :
MSVOA_D
ClientSampleID :
VSTDICCC050

Tot Ion:106 Resp: 123605
Ion Ratio Lower Upper
106 100
91 270.4 135.2 405.6

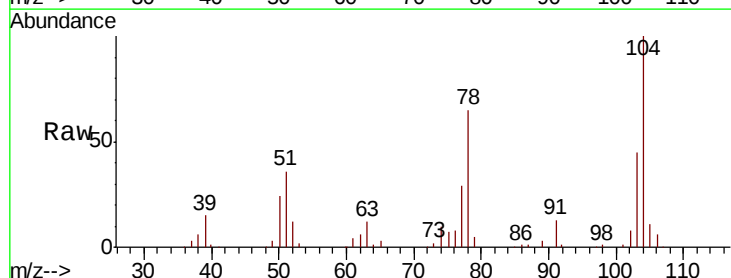


Abundance Ion 106.05 (105.75 to 106.75): V
Ion 91.00 (90.70 to 91.70): V

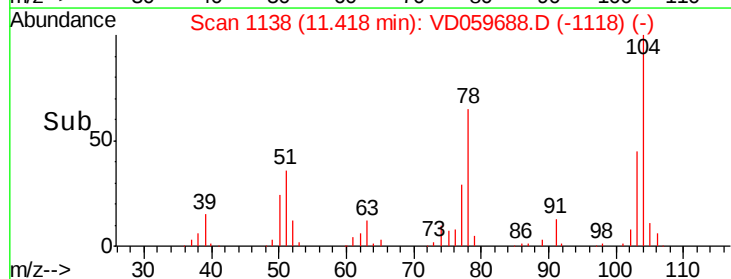
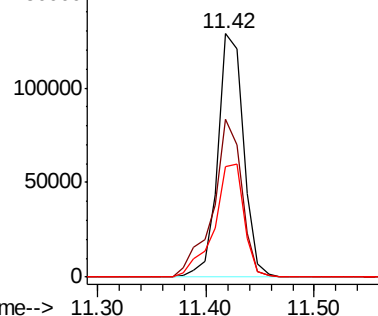


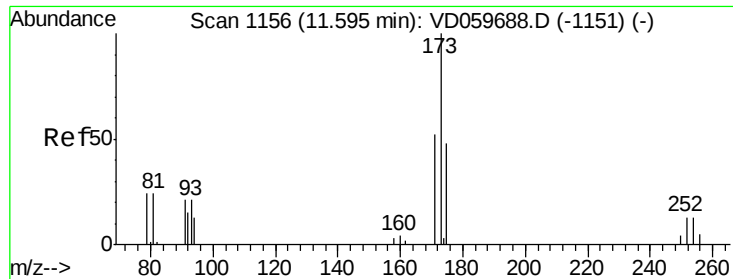
#70
Styrene
Concen: 52.83 ug/l
RT: 11.42 min Scan# 1138
Delta R.T. 0.00 min
Lab File: VD059688.D
Acq: 6 Aug 2018 12:05

Tgt Ion:104 Resp: 212092
Ion Ratio Lower Upper
104 100
78 64.9 51.9 77.9
103 45.3 36.2 54.4



Abundance Ion 104.05 (103.75 to 104.75): V
Ion 77.95 (77.65 to 78.65): V
Ion 103.05 (102.75 to 103.75): V

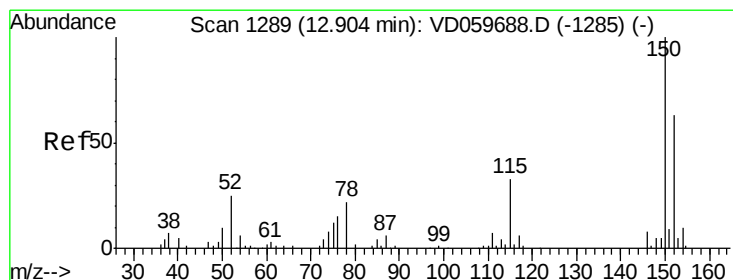
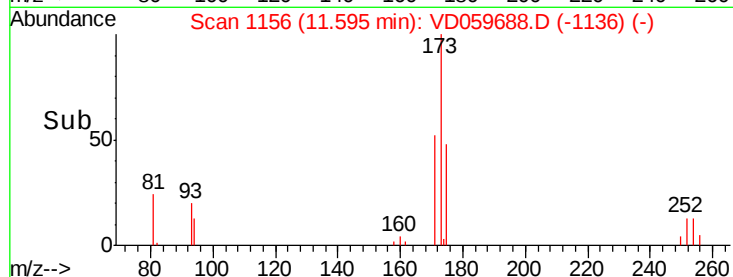
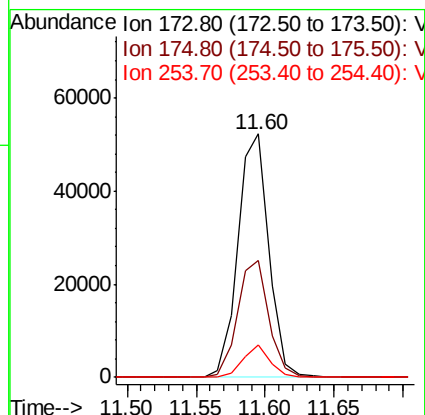
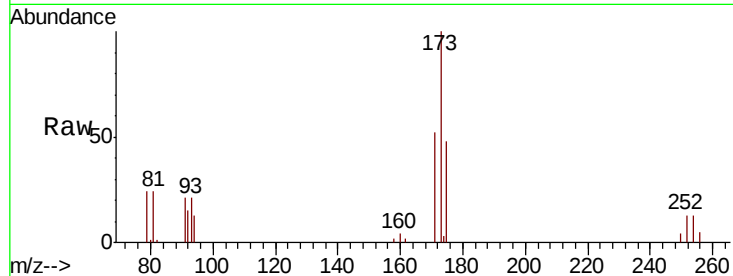




#71
Bromoform
Concen: 56.60 ug/l
RT: 11.60 min Scan# 1156
Delta R.T. 0.00 min
Lab File: VD059688.D
Acq: 6 Aug 2018 12:05

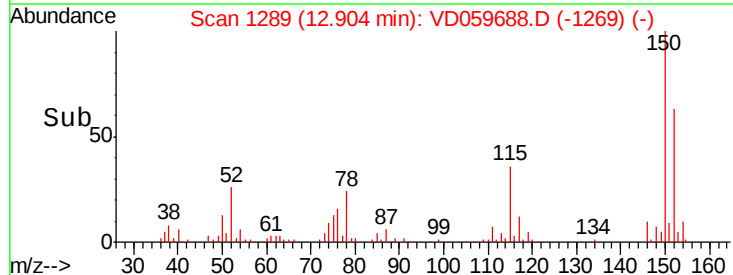
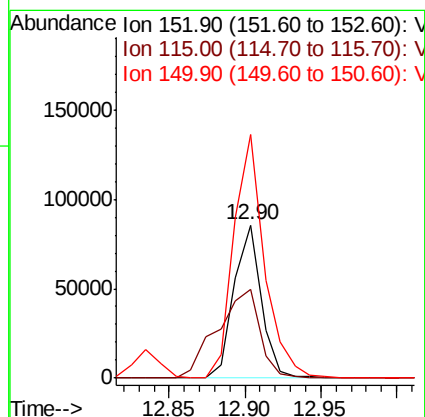
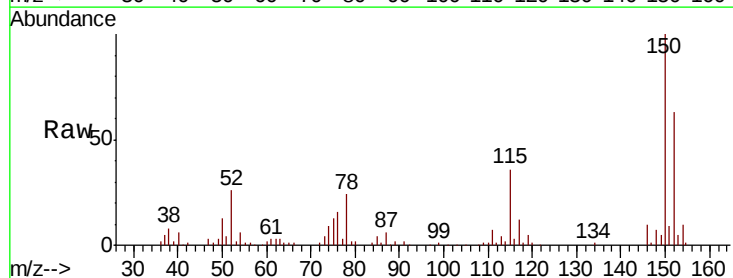
Instrument :
MSVOA_D
ClientSampleId :
VSTDICCC050

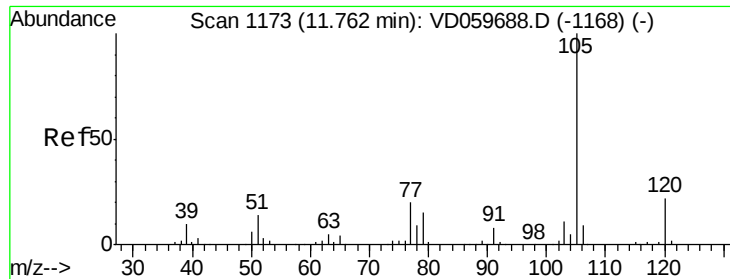
Tot Ion:173 Resp: 81155
Ion Ratio Lower Upper
173 100
175 48.3 24.1 72.4
254 13.3 10.6 16.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 12.90 min Scan# 1289
Delta R.T. 0.00 min
Lab File: VD059688.D
Acq: 6 Aug 2018 12:05

Tgt Ion:152 Resp: 107076
Ion Ratio Lower Upper
152 100
115 57.6 28.8 86.4
150 159.0 0.0 318.0





#73

Isopropylbenzene

Concen: 53.96 ug/l

RT: 11.76 min Scan# 1173

Delta R.T. 0.00 min

Lab File: VD059688.D

Acq: 6 Aug 2018 12:05

Instrument :

MSVOA_D

ClientSampleId :

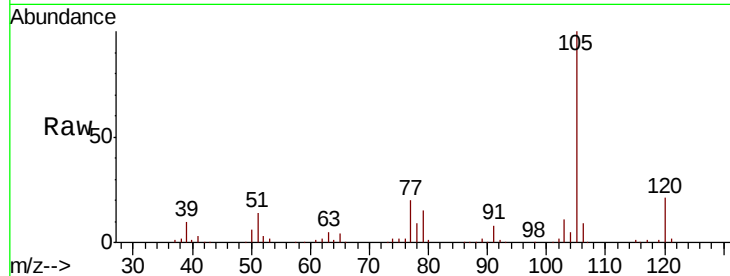
VSTDICCC050

Tot Ion:105 Resp: 391383

Ion Ratio Lower Upper

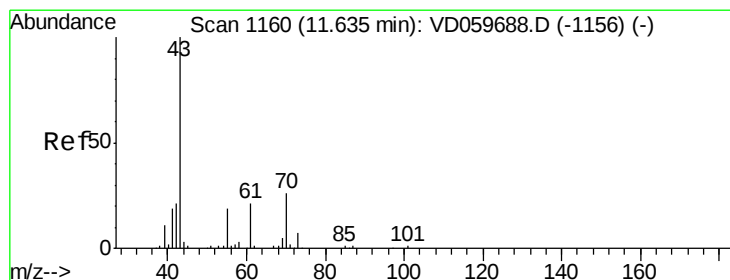
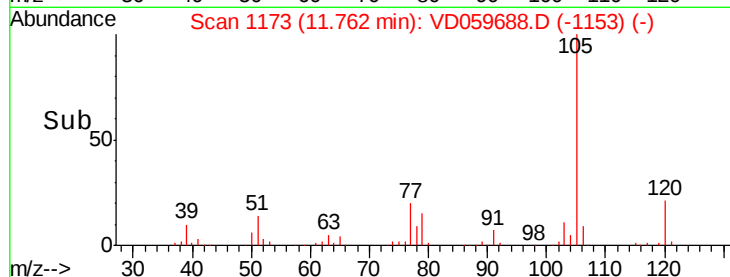
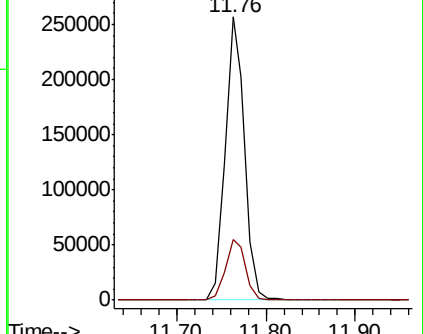
105 100

120 21.5 10.8 32.3



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.05 (119.75 to 120.75): V



#74

N-ethyl acetate

Concen: 58.62 ug/l

RT: 11.63 min Scan# 1160

Delta R.T. 0.00 min

Lab File: VD059688.D

Acq: 6 Aug 2018 12:05

Tgt Ion: 43 Resp: 132974

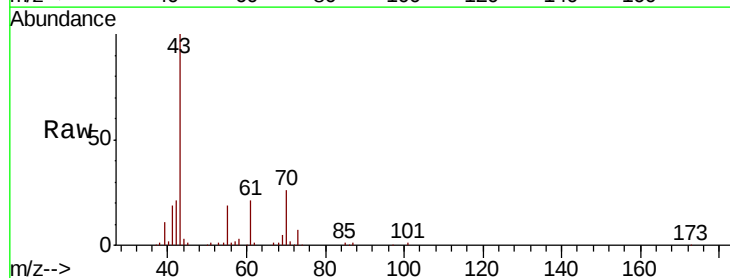
Ion Ratio Lower Upper

43 100

70 26.3 21.0 31.6

55 19.3 15.4 23.2

61 21.0 16.8 25.2

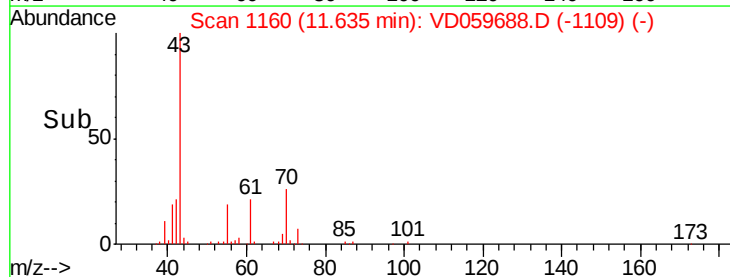
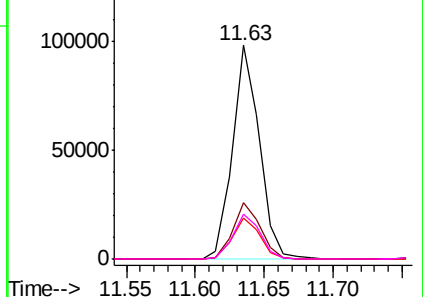


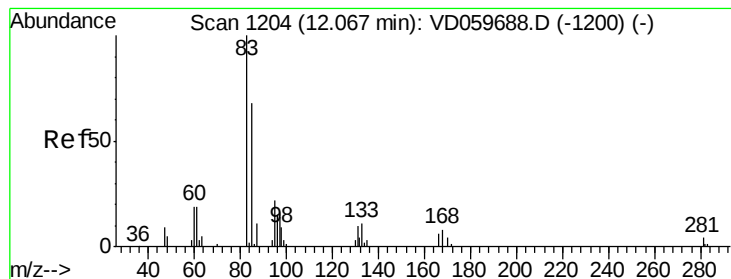
Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 70.00 (69.70 to 70.70): VDC

Ion 55.00 (54.70 to 55.70): VDC

Ion 60.95 (60.65 to 61.65): VDC





#75

1,1,2,2-Tetrachloroethane

Concen: 54.78 ug/l

RT: 12.07 min Scan# 1204

Delta R.T. 0.00 min

Lab File: VD059688.D

Acq: 6 Aug 2018 12:05

Instrument :

MSVOA_D

ClientSampleId :

VSTDICCC050

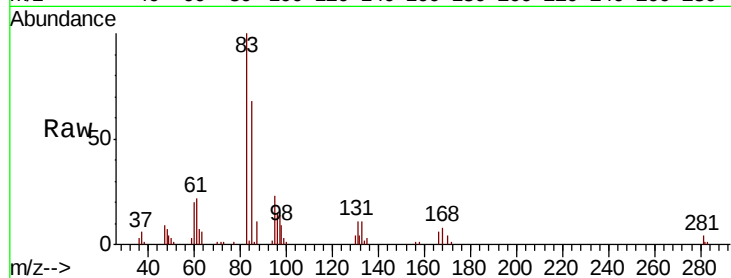
Tot Ion: 83 Resp: 77281

Ion Ratio Lower Upper

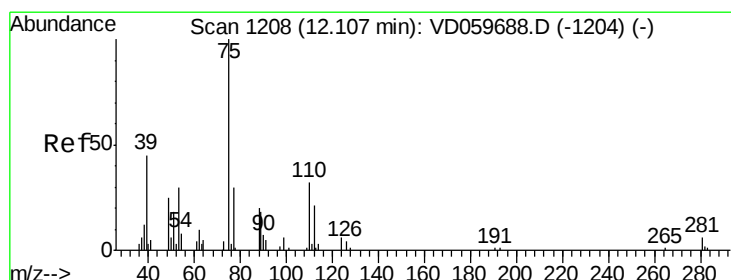
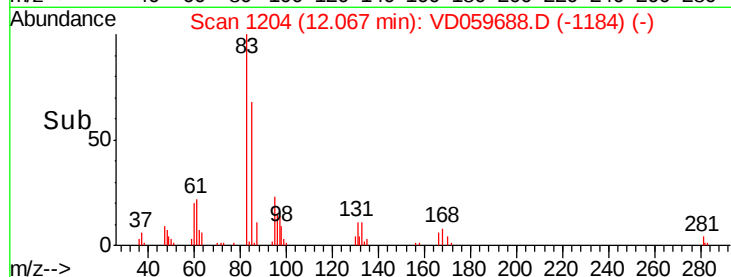
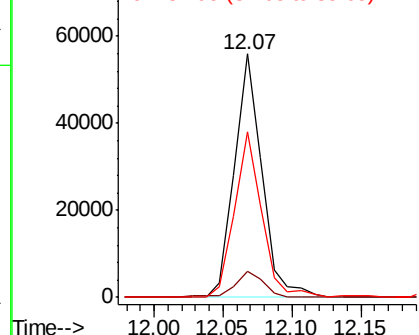
83 100

131 10.6 5.3 15.9

85 68.1 34.1 102.2



Abundance Ion 82.95 (82.65 to 83.65): VDC
Ion 130.90 (130.60 to 131.60): VDC
Ion 84.95 (84.65 to 85.65): VDC



#76

1,2,3-Trichloropropane

Concen: 54.68 ug/l

RT: 12.11 min Scan# 1208

Delta R.T. 0.00 min

Lab File: VD059688.D

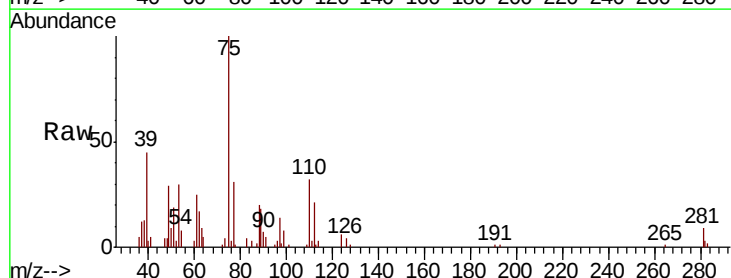
Acq: 6 Aug 2018 12:05

Tgt Ion: 75 Resp: 90902

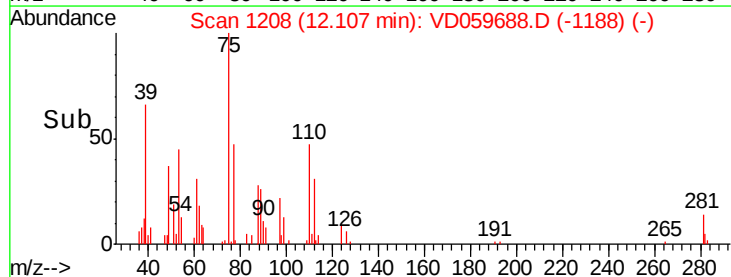
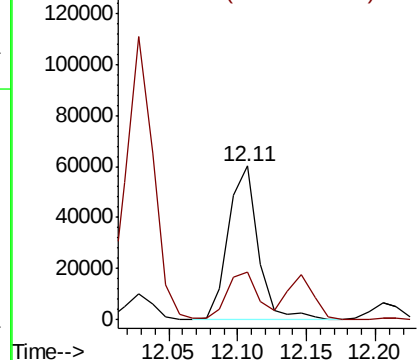
Ion Ratio Lower Upper

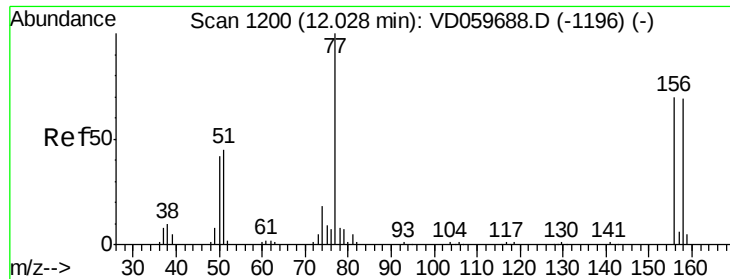
75 100

77 31.0 15.5 46.5



Abundance Ion 75.00 (74.70 to 75.70): VDC
Ion 76.95 (76.65 to 77.65): VDC





#77

Bromobenzene

Concen: 55.06 ug/l

RT: 12.03 min Scan# 1200

Delta R.T. 0.00 min

Lab File: VD059688.D

Acq: 6 Aug 2018 12:05

Instrument :

MSVOA_D

ClientSampleId :

VSTDICCC050

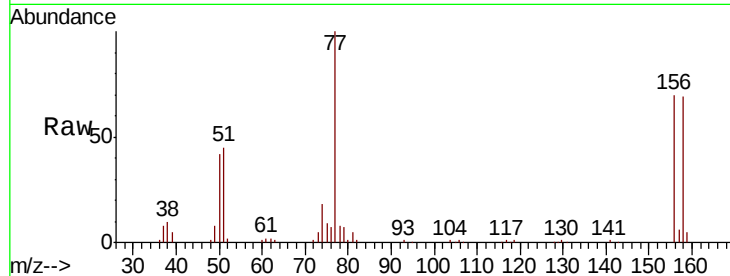
Tot Ion:156 Resp: 114568

Ion Ratio Lower Upper

156 100

77 142.4 71.2 213.6

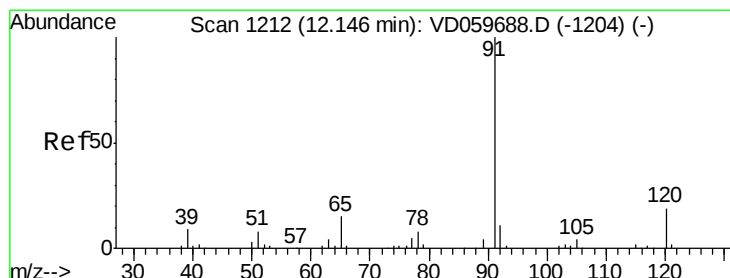
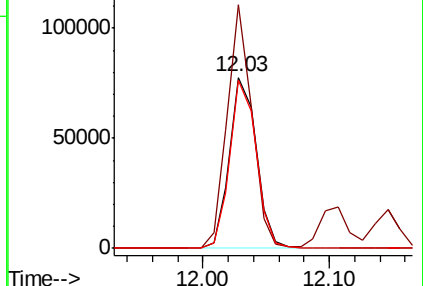
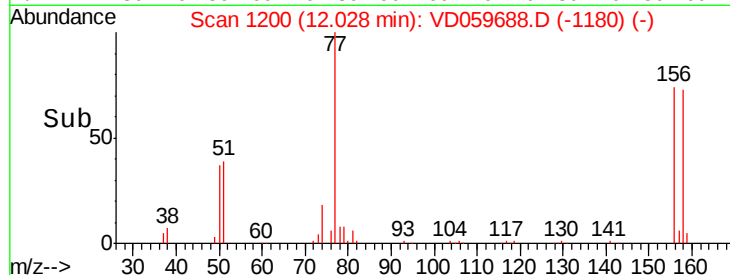
158 98.2 49.1 147.3



Abundance Ion 155.90 (155.60 to 156.60): V

Ion 76.95 (76.65 to 77.65): V

Ion 157.85 (157.55 to 158.55): V



#78

n-propylbenzene

Concen: 53.32 ug/l

RT: 12.15 min Scan# 1212

Delta R.T. 0.00 min

Lab File: VD059688.D

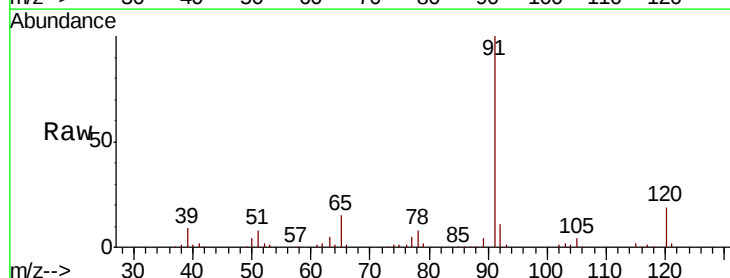
Acq: 6 Aug 2018 12:05

Tgt Ion: 91 Resp: 478359

Ion Ratio Lower Upper

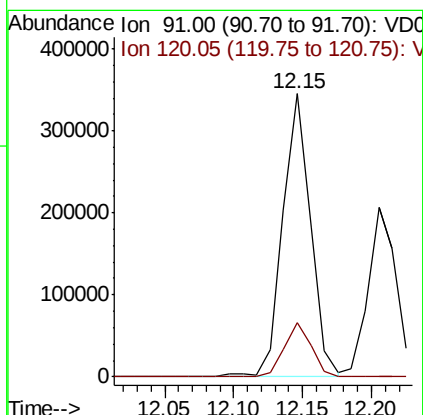
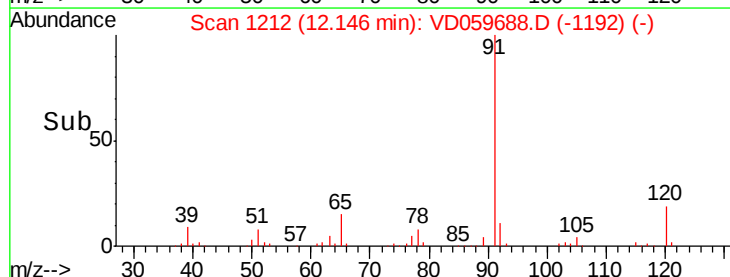
91 100

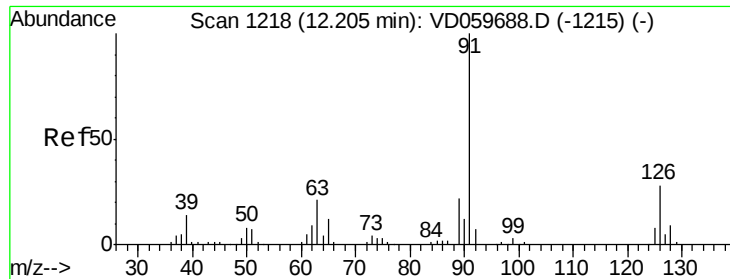
120 19.0 9.5 28.5



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 120.05 (119.75 to 120.75): V

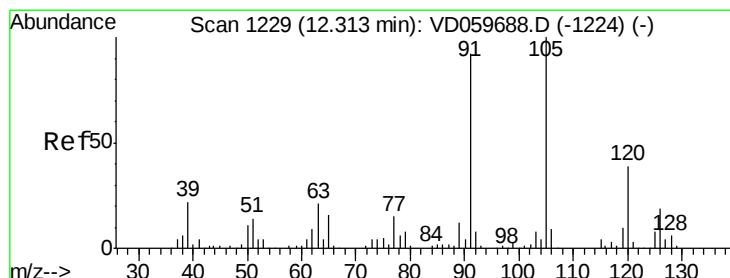
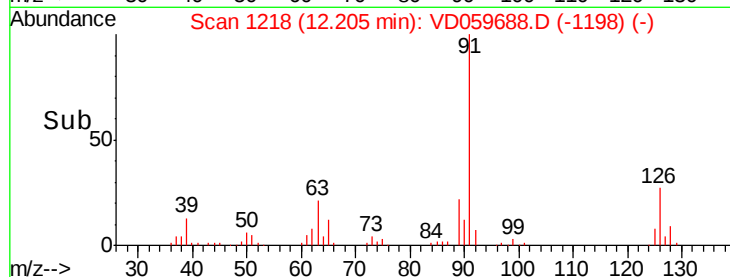
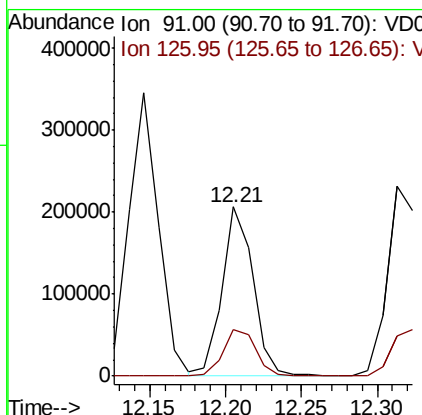
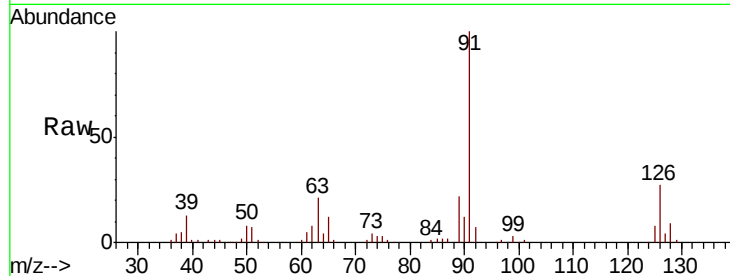




#79
 2-Chlorotoluene
 Concen: 53.95 ug/l
 RT: 12.21 min Scan# 1218
 Delta R.T. 0.00 min
 Lab File: VD059688.D
 Acq: 6 Aug 2018 12:05

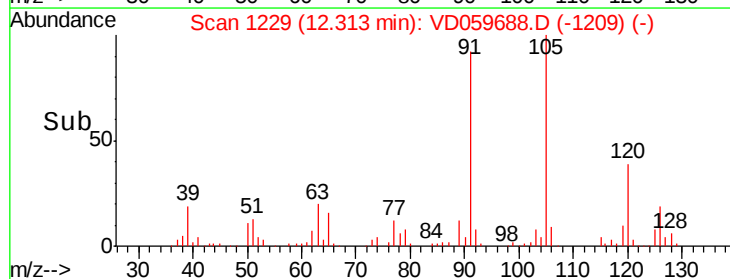
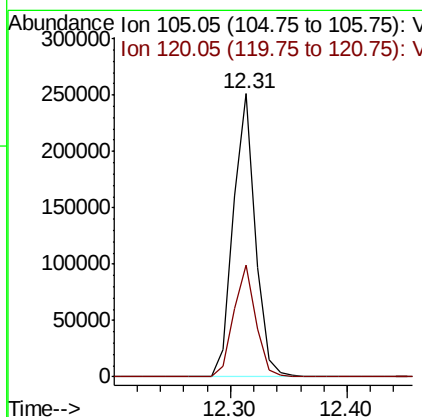
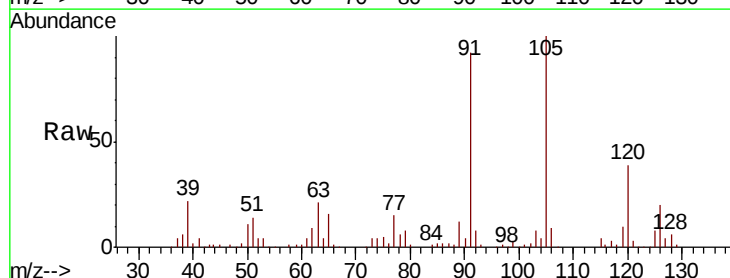
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDICCC050

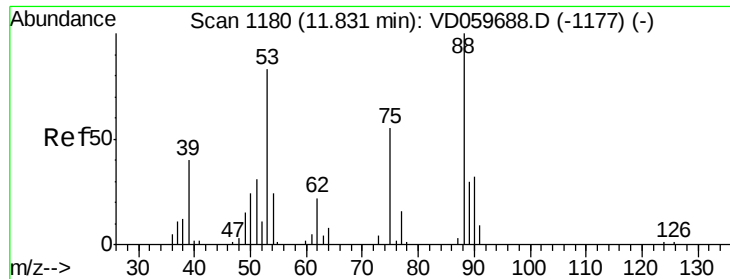
Tot Ion: 91 Resp: 291585
 Ion Ratio Lower Upper
 91 100
 126 27.3 13.7 41.0



#80
 1,3,5-Trimethylbenzene
 Concen: 54.82 ug/l
 RT: 12.31 min Scan# 1229
 Delta R.T. 0.00 min
 Lab File: VD059688.D
 Acq: 6 Aug 2018 12:05

Tgt Ion: 105 Resp: 326850
 Ion Ratio Lower Upper
 105 100
 120 39.4 19.7 59.1

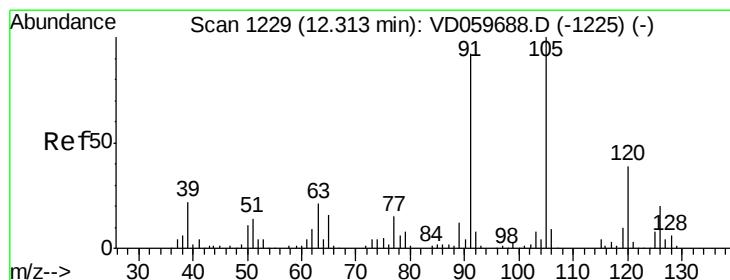
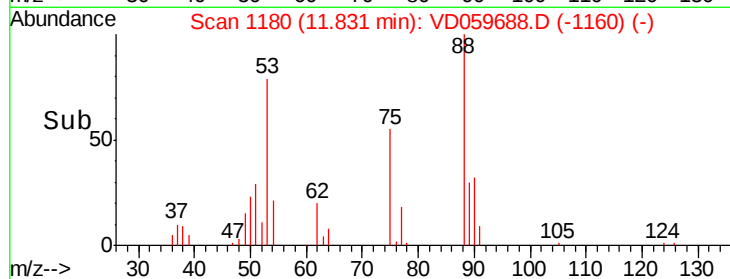
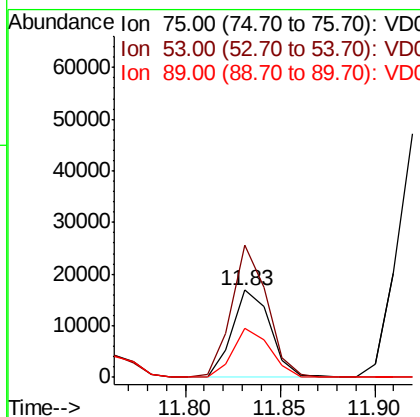
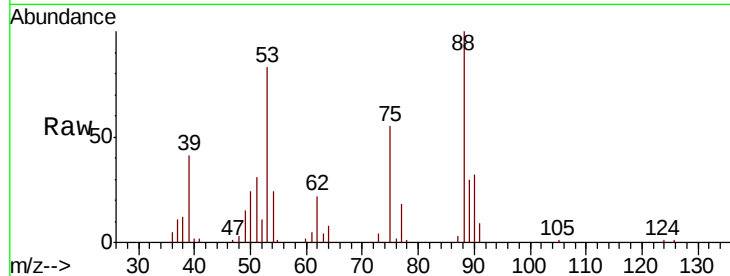




#81
trans-1,4-Dichloro-2-butene
Concen: 56.90 ug/l
RT: 11.83 min Scan# 1180
Delta R.T. 0.00 min
Lab File: VD059688.D
Acq: 6 Aug 2018 12:05

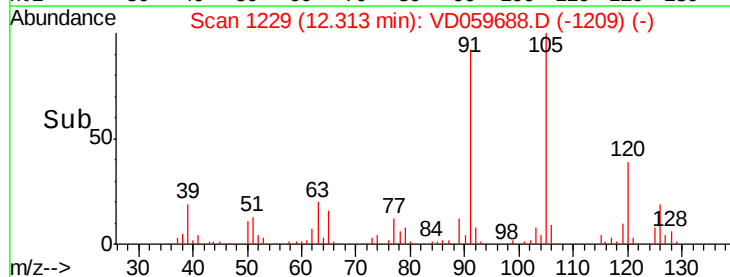
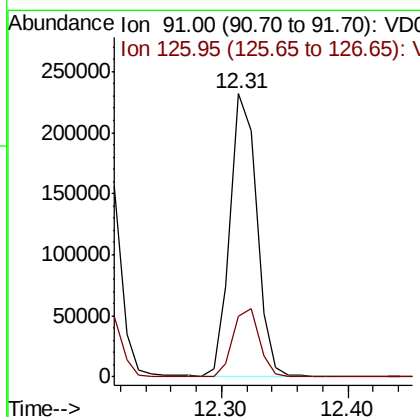
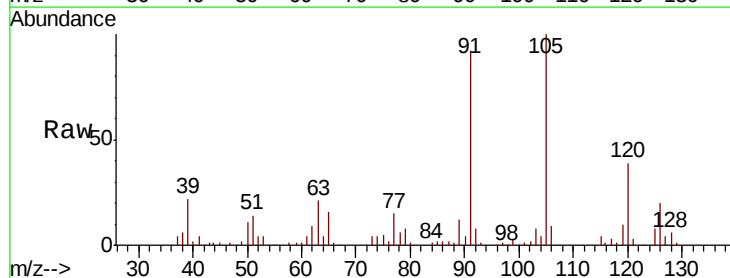
Instrument :
MSVOA_D
ClientSampleId :
VSTDICCC050

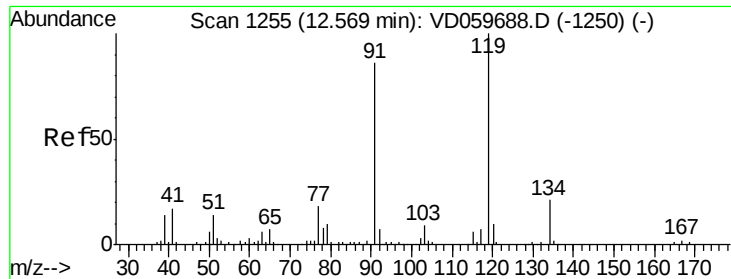
Tot Ion: 75 Resp: 23611
Ion Ratio Lower Upper
75 100
53 150.6 120.5 180.7
89 55.5 44.4 66.6



#82
4-Chlorotoluene
Concen: 54.04 ug/l
RT: 12.31 min Scan# 1229
Delta R.T. 0.00 min
Lab File: VD059688.D
Acq: 6 Aug 2018 12:05

Tgt Ion: 91 Resp: 341411
Ion Ratio Lower Upper
91 100
126 21.3 10.7 31.9

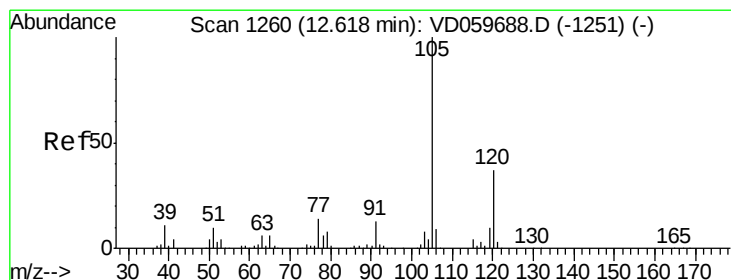
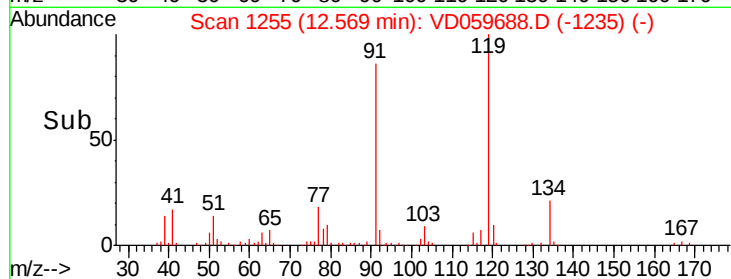
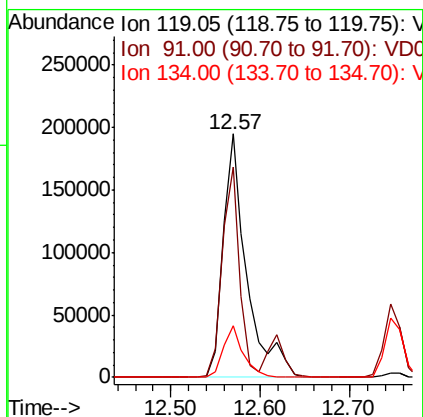
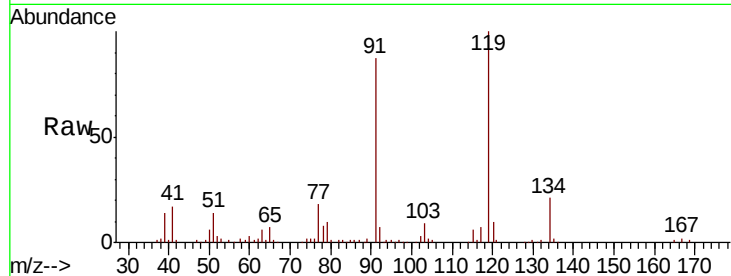




#83
 tert-Butylbenzene
 Concen: 53.57 ug/l
 RT: 12.57 min Scan# 1255
 Delta R.T. 0.00 min
 Lab File: VD059688.D
 Acq: 6 Aug 2018 12:05

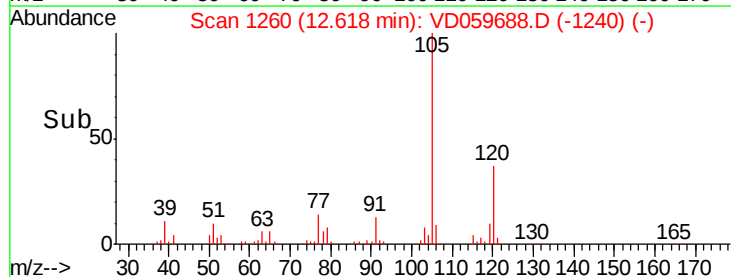
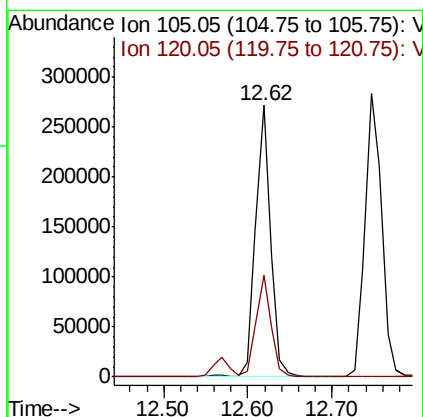
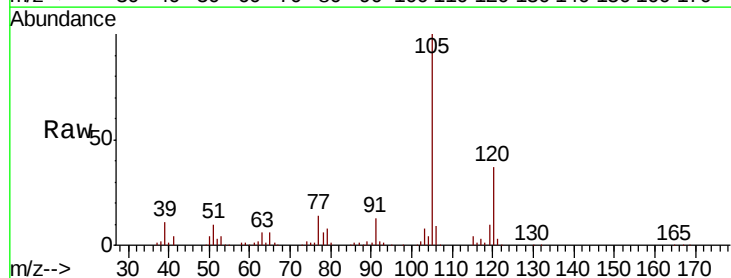
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDICCC050

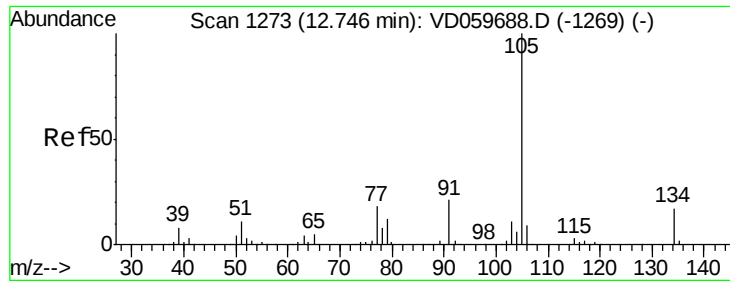
Tot Ion:119 Resp: 360855
 Ion Ratio Lower Upper
 119 100
 91 86.6 43.3 129.9
 134 21.1 10.5 31.6



#84
 1,2,4-Trimethylbenzene
 Concen: 54.53 ug/l
 RT: 12.62 min Scan# 1260
 Delta R.T. 0.00 min
 Lab File: VD059688.D
 Acq: 6 Aug 2018 12:05

Tgt Ion:105 Resp: 344600
 Ion Ratio Lower Upper
 105 100
 120 37.4 18.7 56.1

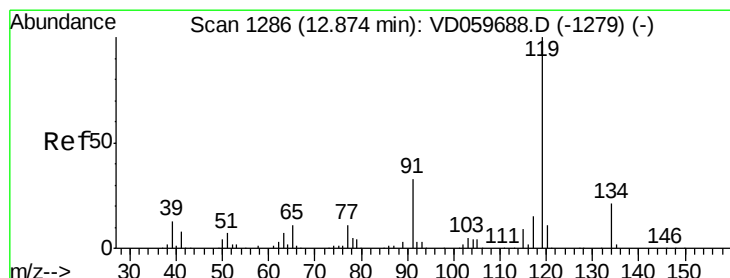
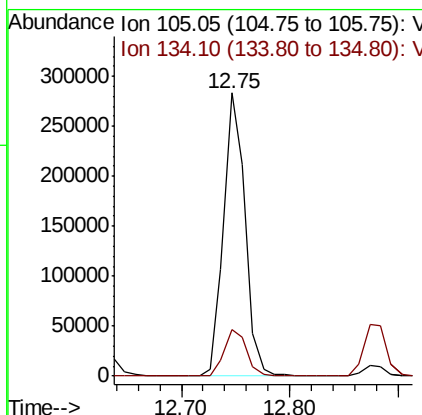
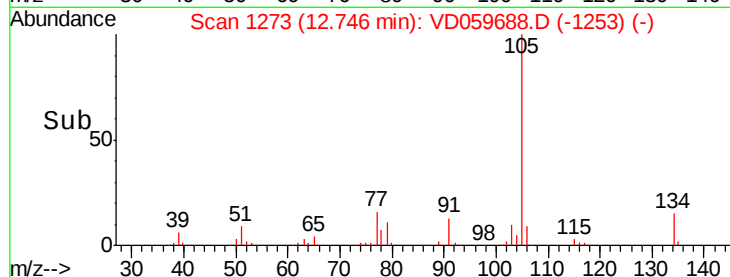
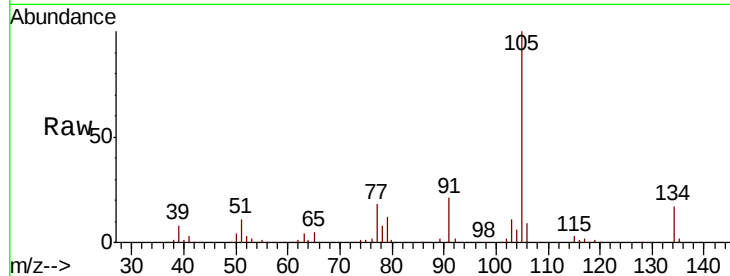




#85
 sec-Butylbenzene
 Concen: 52.77 ug/l
 RT: 12.75 min Scan# 1273
 Delta R.T. 0.00 min
 Lab File: VD059688.D
 Acq: 6 Aug 2018 12:05

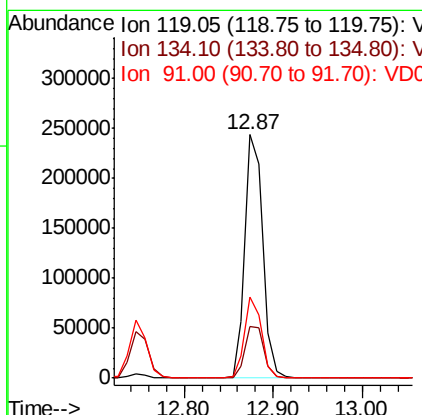
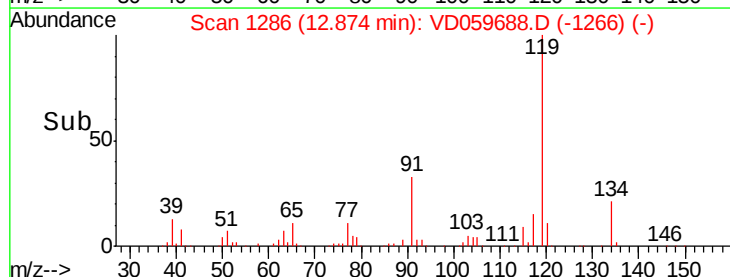
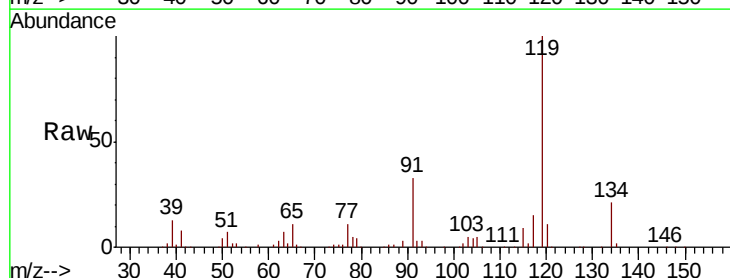
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDICCC050

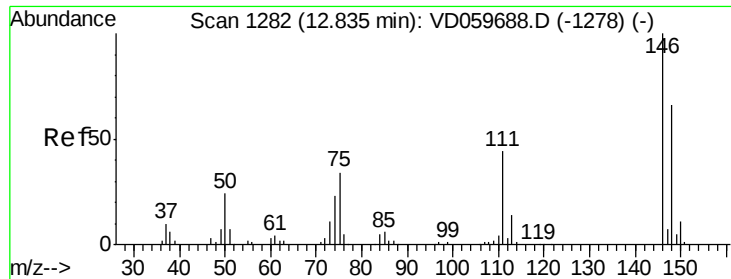
Tot Ion:105 Resp: 392348
 Ion Ratio Lower Upper
 105 100
 134 16.6 8.3 24.9



#86
 p-Isopropyltoluene
 Concen: 52.75 ug/l
 RT: 12.87 min Scan# 1286
 Delta R.T. 0.00 min
 Lab File: VD059688.D
 Acq: 6 Aug 2018 12:05

Tgt Ion:119 Resp: 339690
 Ion Ratio Lower Upper
 119 100
 134 21.4 10.7 32.1
 91 33.1 16.6 49.7

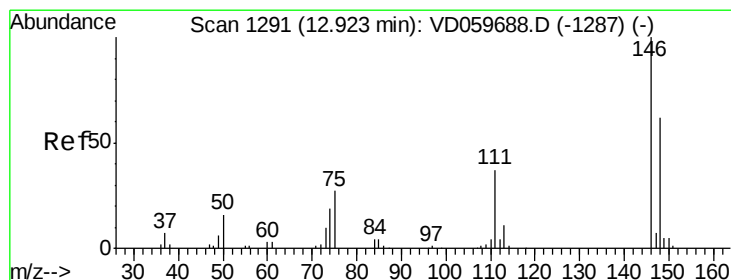
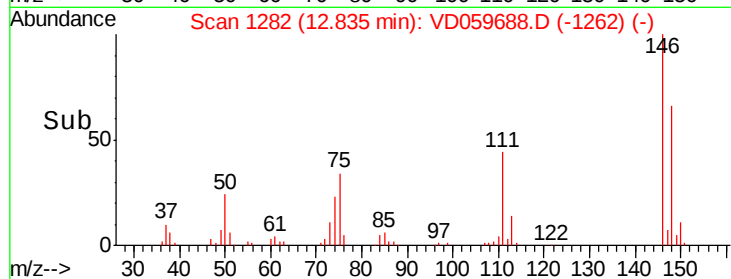
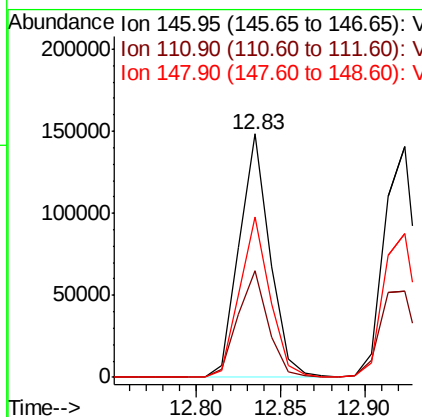
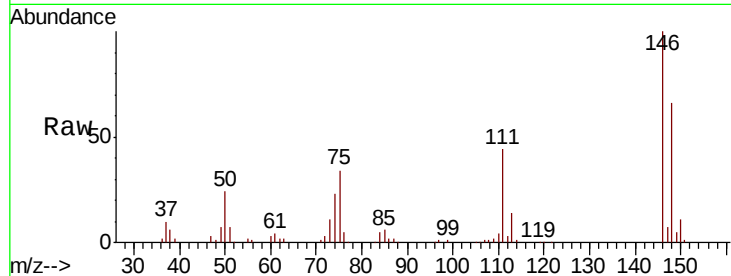




#87
 1,3-Dichlorobenzene
 Concen: 51.35 ug/l
 RT: 12.83 min Scan# 1282
 Delta R.T. 0.00 min
 Lab File: VD059688.D
 Acq: 6 Aug 2018 12:05

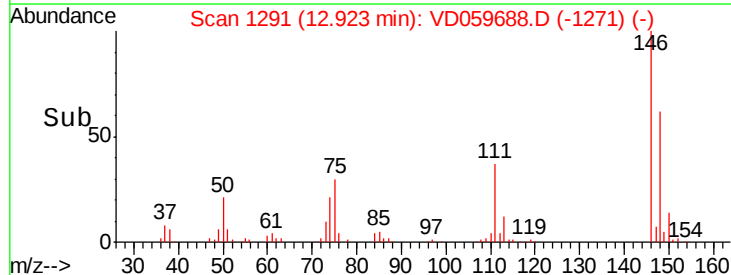
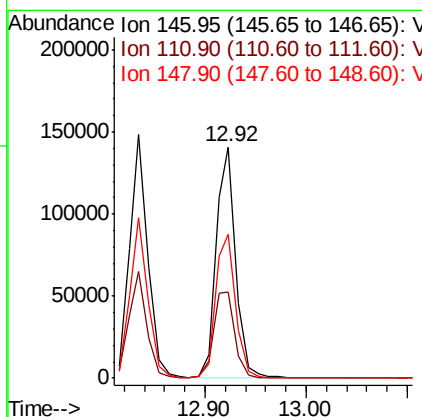
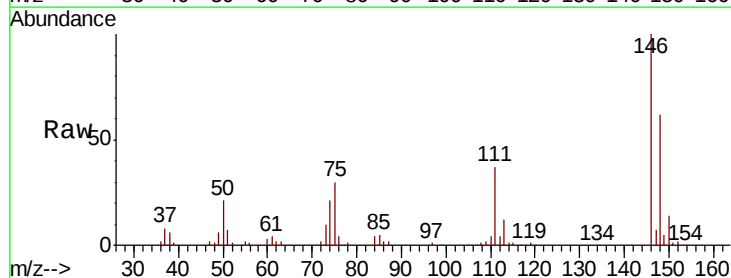
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDICCC050

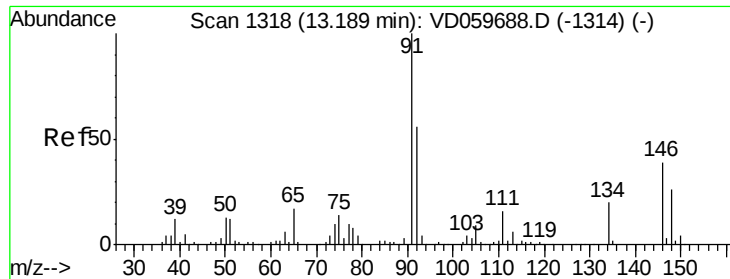
Tot Ion:146 Resp: 187176
 Ion Ratio Lower Upper
 146 100
 111 43.6 21.8 65.4
 148 66.1 33.1 99.2



#88
 1,4-Dichlorobenzene
 Concen: 52.31 ug/l
 RT: 12.92 min Scan# 1291
 Delta R.T. 0.00 min
 Lab File: VD059688.D
 Acq: 6 Aug 2018 12:05

Tgt Ion:146 Resp: 191460
 Ion Ratio Lower Upper
 146 100
 111 37.2 18.6 55.8
 148 62.4 31.2 93.6

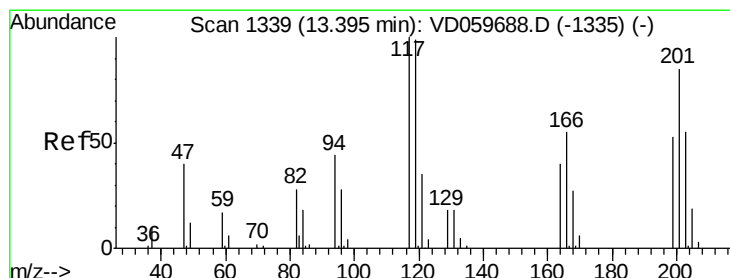
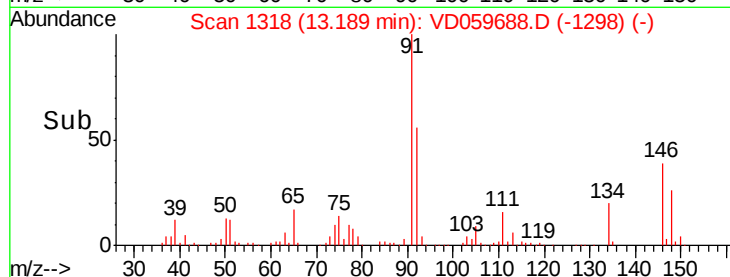
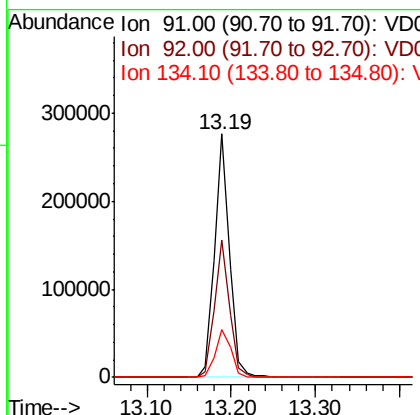
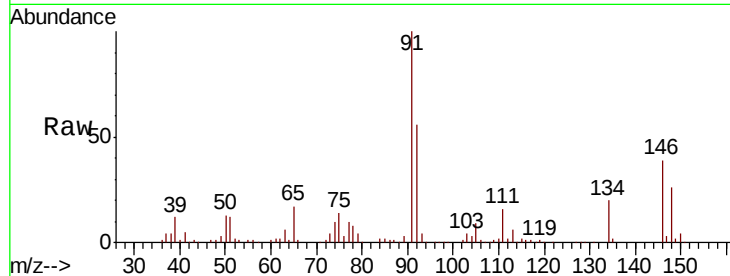




#89
n-Butylbenzene
Concen: 53.45 ug/l
RT: 13.19 min Scan# 1318
Delta R.T. 0.00 min
Lab File: VD059688.D
Acq: 6 Aug 2018 12:05

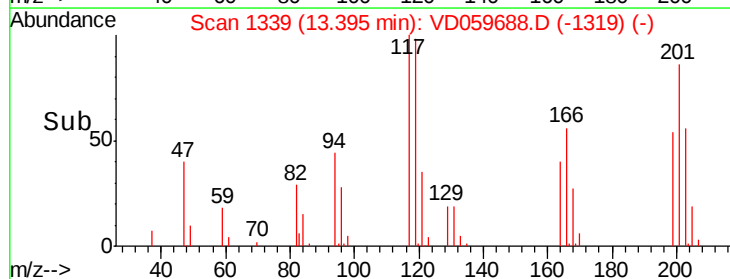
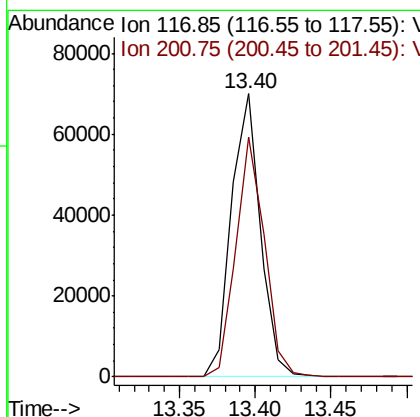
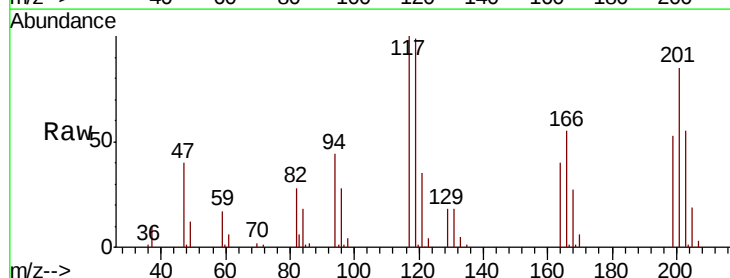
Instrument :
MSVOA_D
ClientSampleId :
VSTDICCC050

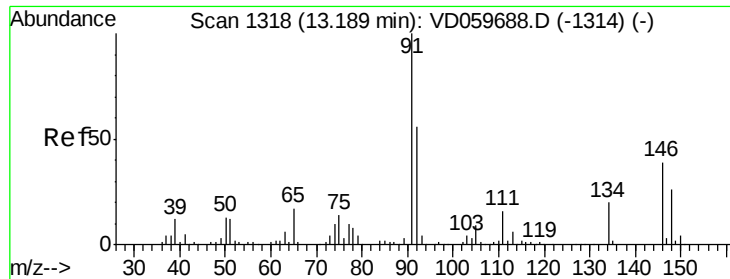
Tot Ion: 91 Resp: 339520
Ion Ratio Lower Upper
91 100
92 56.4 28.2 84.6
134 19.7 9.8 29.5



#90
Hexachloroethane
Concen: 55.13 ug/l
RT: 13.40 min Scan# 1339
Delta R.T. 0.00 min
Lab File: VD059688.D
Acq: 6 Aug 2018 12:05

Tgt Ion: 117 Resp: 92701
Ion Ratio Lower Upper
117 100
201 84.7 42.4 127.1

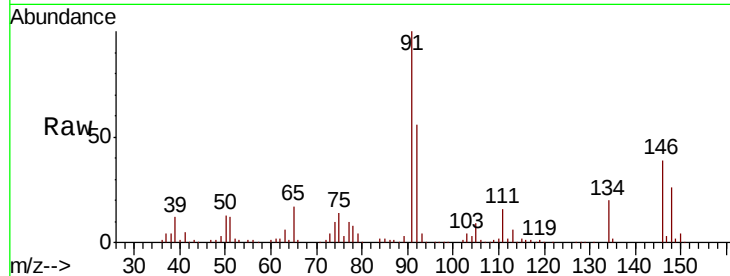




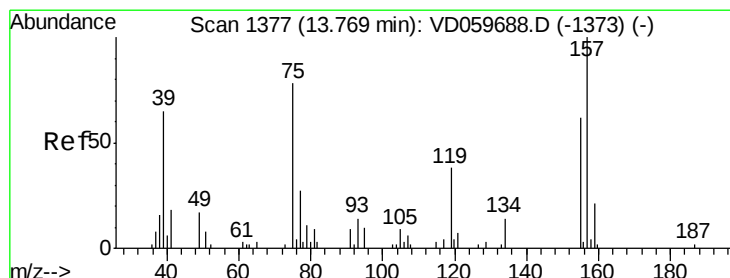
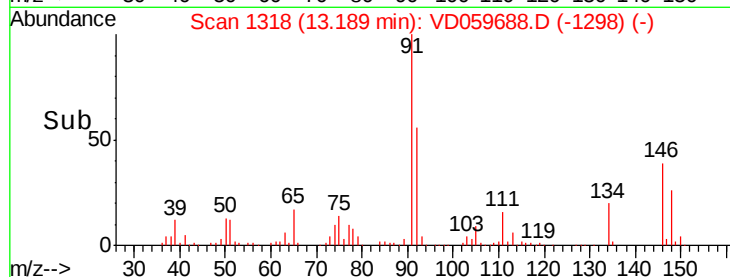
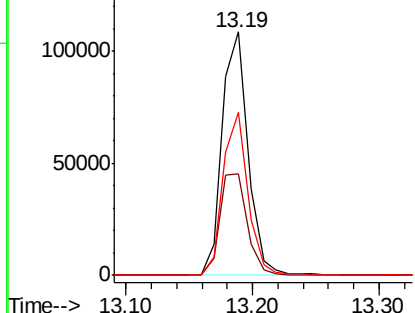
#91
 1,2-Dichlorobenzene
 Concen: 51.03 ug/l
 RT: 13.19 min Scan# 1318
 Delta R.T. 0.00 min
 Lab File: VD059688.D
 Acq: 6 Aug 2018 12:05

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDICCC050

Tot Ion:146 Resp: 153390
 Ion Ratio Lower Upper
 146 100
 111 41.5 20.8 62.2
 148 66.8 33.4 100.2

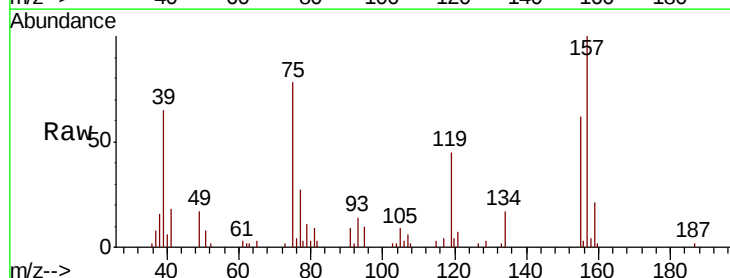


Abundance Ion 145.95 (145.65 to 146.65): V
 Ion 110.90 (110.60 to 111.60): V
 Ion 147.90 (147.60 to 148.60): V

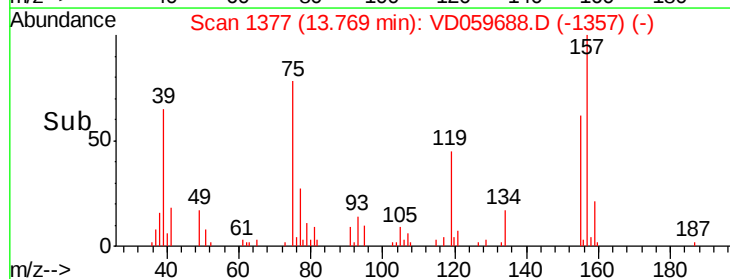
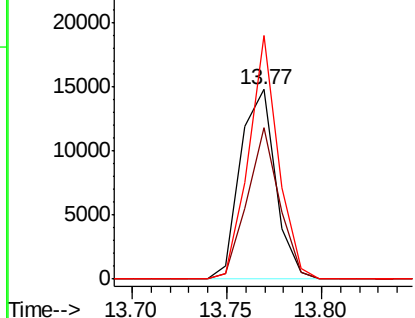


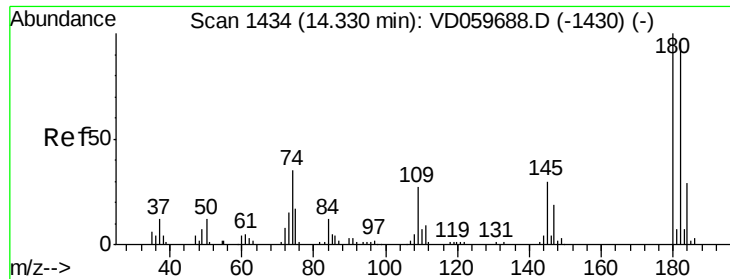
#92
 1,2-Dibromo-3-Chloropropane
 Concen: 61.31 ug/l
 RT: 13.77 min Scan# 1377
 Delta R.T. 0.00 min
 Lab File: VD059688.D
 Acq: 6 Aug 2018 12:05

Tgt Ion: 75 Resp: 18958
 Ion Ratio Lower Upper
 75 100
 155 79.9 40.0 119.9
 157 128.5 64.3 192.7



Abundance Ion 75.00 (74.70 to 75.70): V
 Ion 154.90 (154.60 to 155.60): V
 Ion 156.85 (156.55 to 157.55): V

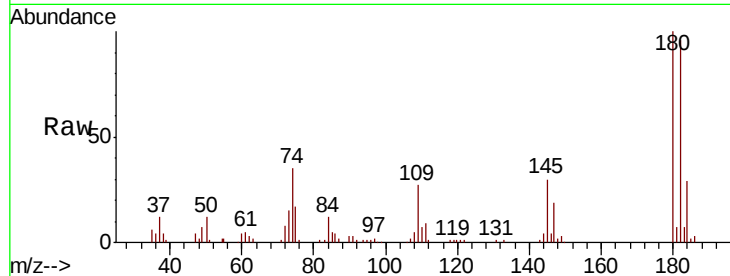




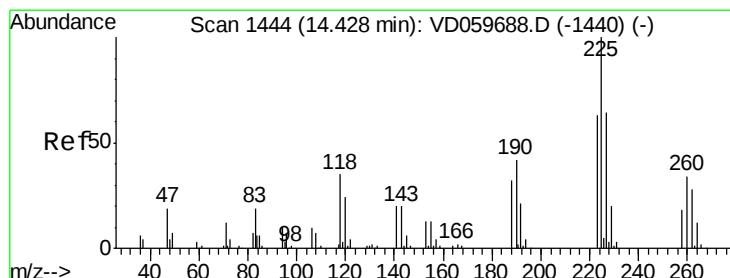
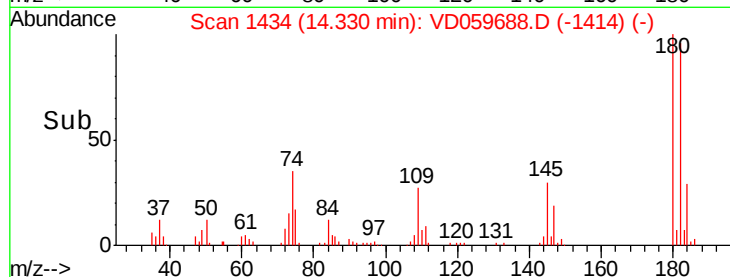
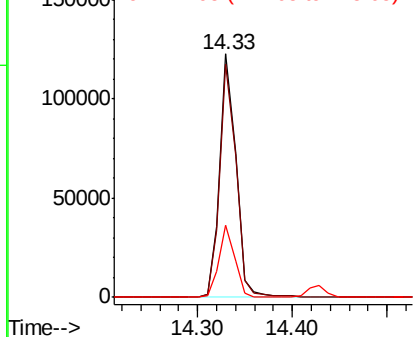
#93
 1,2,4-Trichlorobenzene
 Concen: 54.52 ug/l
 RT: 14.33 min Scan# 1434
 Delta R.T. 0.00 min
 Lab File: VD059688.D
 Acq: 6 Aug 2018 12:05

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDICCC050

Tot Ion:180 Resp: 147234
 Ion Ratio Lower Upper
 180 100
 182 96.0 48.0 144.0
 145 29.6 14.8 44.4

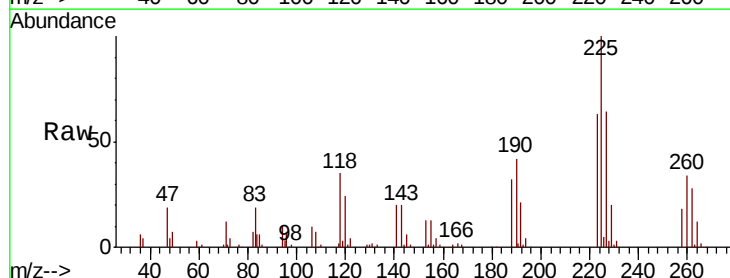


Abundance Ion 179.85 (179.55 to 180.55): V
 Ion 181.85 (181.55 to 182.55): V
 Ion 144.95 (144.65 to 145.65): V

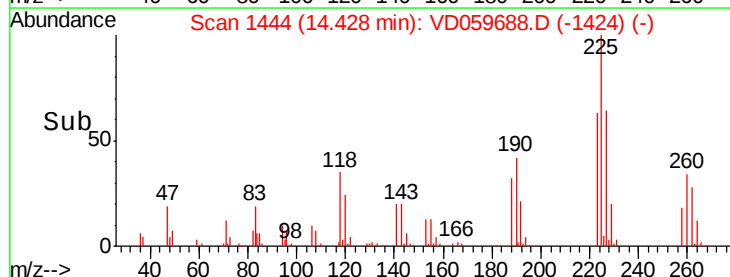
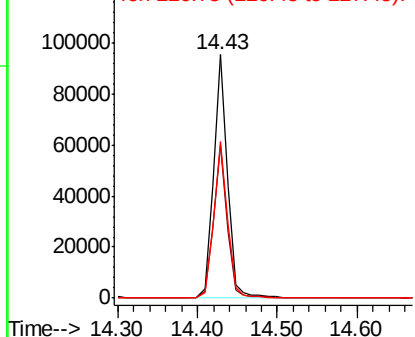


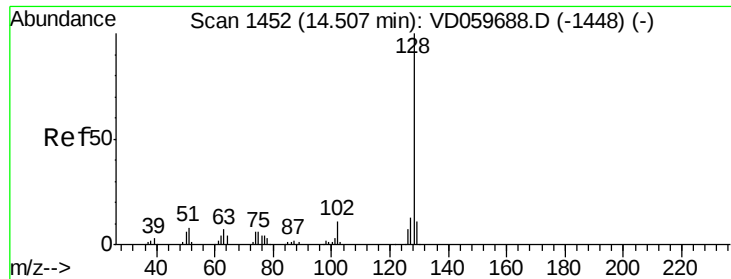
#94
 Hexachlorobutadiene
 Concen: 56.05 ug/l
 RT: 14.43 min Scan# 1444
 Delta R.T. 0.00 min
 Lab File: VD059688.D
 Acq: 6 Aug 2018 12:05

Tgt Ion:225 Resp: 118118
 Ion Ratio Lower Upper
 225 100
 223 62.9 31.4 94.3
 227 64.2 32.1 96.3



Abundance Ion 224.75 (224.45 to 225.45): V
 Ion 222.75 (222.45 to 223.45): V
 Ion 226.75 (226.45 to 227.45): V





#95

Naphthalene

Concen: 54.16 ug/l

RT: 14.51 min Scan# 1452

Delta R.T. 0.00 min

Lab File: VD059688.D

Acq: 6 Aug 2018 12:05

Instrument :

MSVOA_D

ClientSampleId :

VSTDICCC050

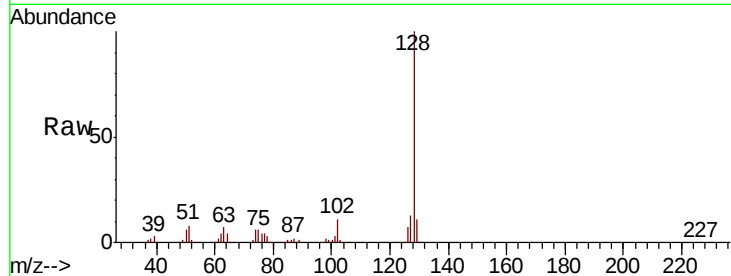
Tot Ion:128 Resp: 218850

Ion Ratio Lower Upper

128 100

127 13.3 10.6 16.0

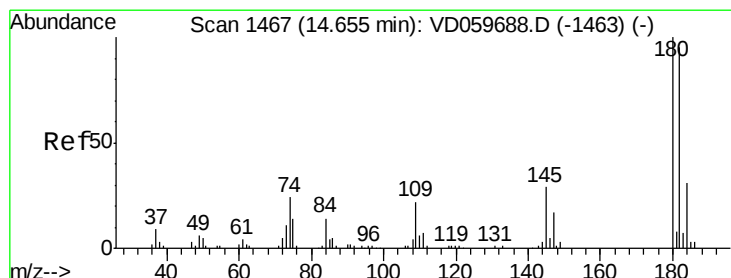
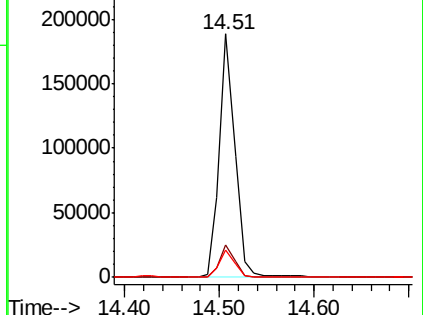
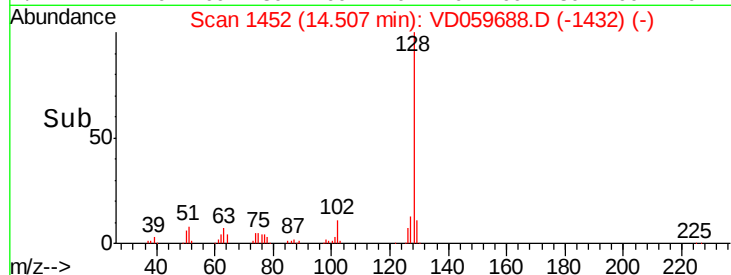
129 11.0 8.8 13.2



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 55.80 ug/l

RT: 14.65 min Scan# 1467

Delta R.T. 0.00 min

Lab File: VD059688.D

Acq: 6 Aug 2018 12:05

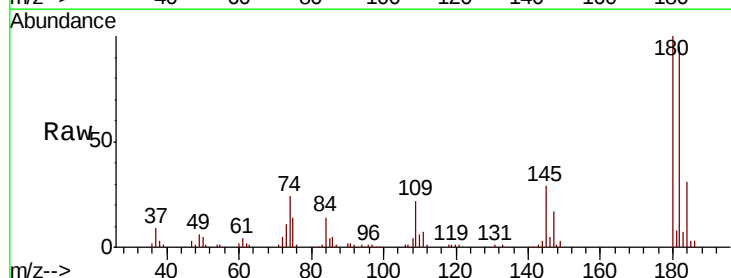
Tgt Ion:180 Resp: 134633

Ion Ratio Lower Upper

180 100

182 95.0 47.5 142.5

145 29.0 14.5 43.5



Abundance Ion 179.85 (179.55 to 180.55): V

Ion 181.85 (181.55 to 182.55): V

Ion 144.95 (144.65 to 145.65): V

