

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD080618\
 Data File : VD059686.D
 Acq On : 6 Aug 2018 11:08
 Operator : VA/AP
 Sample : VSTDIC010
 Misc : 5.00g/5ml/MSVOA D/SOIL
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC010

Quant Time: Aug 07 03:59:41 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	5.63	168	223305	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.67	114	271141	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.67	117	223151	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.90	152	122145	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.00	65	25082	8.57	ug/l	0.00
Spiked Amount 50.000			Recovery	=	17.14%	
35) Dibromofluoromethane	5.53	113	22851	9.13	ug/l	0.00
Spiked Amount 50.000			Recovery	=	18.26%	
50) Toluene-d8	8.70	98	52666	9.67	ug/l	0.00
Spiked Amount 50.000			Recovery	=	19.34%	
62) 4-Bromofluorobenzene	11.92	95	24577	9.74	ug/l	0.00
Spiked Amount 50.000			Recovery	=	19.48%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.33	85	29082	9.35	ug/l	95
3) Chloromethane	1.48	50	13335	9.78	ug/l	92
4) Vinyl Chloride	1.55	62	14516	8.93	ug/l #	87
5) Bromomethane	1.78	94	5979	10.51	ug/l	99
6) Chloroethane	1.87	64	6689	10.30	ug/l	97
7) Trichlorofluoromethane	2.08	101	27164	10.33	ug/l	97
8) Diethyl Ether	2.33	74	4228	8.62	ug/l	92
9) 1,1,2-Trichlorotrifluoroet	2.54	101	14934	9.84	ug/l	96
10) Methyl Iodide	2.69	142	15490	8.94	ug/l #	95
11) Tert butyl alcohol	3.25	59	5280	51.35	ug/l #	76
12) 1,1-Dichloroethene	2.53	96	10389	9.26	ug/l #	81
13) Acrolein	2.45	56	4646	47.34	ug/l	89
14) Allyl chloride	2.90	41	24565	9.64	ug/l	94
15) Acrylonitrile	3.35	53	14658	49.59	ug/l	97
16) Acetone	2.60	43	25125	46.26	ug/l	100
17) Carbon Disulfide	2.74	76	35124	8.85	ug/l #	93
18) Methyl Acetate	2.92	43	8605	8.85	ug/l #	86
19) Methyl tert-butyl Ether	3.39	73	46715	10.82	ug/l	96
20) Methylene Chloride	3.05	84	28116	13.89	ug/l	92
21) trans-1,2-Dichloroethene	3.37	96	18132	11.91	ug/l #	75
22) Diisopropyl ether	4.05	45	61941	10.64	ug/l	92
23) Vinyl Acetate	3.99	43	189696	52.23	ug/l #	95
24) 1,1-Dichloroethane	3.96	63	40241	10.27	ug/l	99
25) 2-Butanone	4.81	43	30329	43.79	ug/l	99
26) 2,2-Dichloropropane	4.77	77	44083	10.36	ug/l	98
27) cis-1,2-Dichloroethene	4.78	96	22458	10.91	ug/l	94
28) Bromochloromethane	5.13	49	13556	9.33	ug/l	88
29) Tetrahydrofuran	5.17	42	13756	50.77	ug/l	94
30) Chloroform	5.30	83	48270	10.20	ug/l	99
31) Cyclohexane	5.58	56	30680	10.75	ug/l	95
32) 1,1,1-Trichloroethane	5.49	97	45242	9.76	ug/l	96
36) 1,1-Dichloropropene	5.73	75	32028	10.57	ug/l	93
37) Ethyl Acetate	4.90	43	15322	10.75	ug/l	95
38) Carbon Tetrachloride	5.71	117	42020	10.24	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.26	83	24981	9.96	ug/l	95
40) Benzene	5.99	78	61364	10.50	ug/l	97
41) Methacrylonitrile	5.10	41	5905	8.55	ug/l	93
42) 1,2-Dichloroethane	6.11	62	35138	9.77	ug/l	96
43) Isopropyl Acetate	7.61	43	18007	9.53	ug/l	96
44) Trichloroethene	6.97	130	21679	10.17	ug/l	95
45) 1,2-Dichloropropane	7.33	63	15807	10.47	ug/l #	85
46) Dibromomethane	7.45	93	13271	9.99	ug/l	98
47) Bromodichloromethane	7.72	83	35424	10.40	ug/l	97
48) Methyl methacrylate	7.49	41	12053	9.63	ug/l	94
49) 1,4-Dioxane	7.47	88	1994	204.87	ug/l	96
51) 4-Methyl-2-Pentanone	8.58	43	64962	47.23	ug/l	89
52) Toluene	8.79	92	37436	10.17	ug/l	90
53) t-1,3-Dichloropropene	9.17	75	29742	10.31	ug/l	95
54) cis-1,3-Dichloropropene	8.34	75	30506	10.48	ug/l	94
55) 1,1,2-Trichloroethane	9.43	97	15337	10.87	ug/l	91
56) Ethyl methacrylate	9.30	69	16611	10.41	ug/l	94
57) 1,3-Dichloropropane	9.65	76	24277	10.70	ug/l	97
58) 2-Chloroethyl Vinyl ether	8.18	63	39739	52.75	ug/l	96
59) 2-Hexanone	9.77	43	47613	45.74	ug/l	94
60) Dibromochloromethane	9.95	129	22838	9.95	ug/l	98
61) 1,2-Dibromoethane	10.07	107	16708	10.05	ug/l	93
64) Tetrachloroethene	9.49	164	20691	9.96	ug/l	89
65) Chlorobenzene	10.71	112	48441	10.69	ug/l	98
66) 1,1,1,2-Tetrachloroethane	10.84	131	21101	10.36	ug/l	99
67) Ethyl Benzene	10.84	91	88859	10.61	ug/l	97
68) m/p-Xylenes	11.00	106	57941	21.81	ug/l	85
69) o-Xylene	11.39	106	28687	11.01	ug/l	94
70) Styrene	11.42	104	45868	10.64	ug/l	95
71) Bromoform	11.59	173	13762	8.94	ug/l	98
73) Isopropylbenzene	11.77	105	84691	10.24	ug/l	100
74) N-amyl acetate	11.64	43	24412	9.43	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.07	83	16379	10.18	ug/l	95
76) 1,2,3-Trichloropropane	12.10	75	19634	10.35	ug/l	98
77) Bromobenzene	12.03	156	24140	10.17	ug/l	85
78) n-propylbenzene	12.14	91	106459	10.40	ug/l	98
79) 2-Chlorotoluene	12.21	91	62520	10.14	ug/l	90
80) 1,3,5-Trimethylbenzene	12.31	105	67285	9.89	ug/l	98
81) trans-1,4-Dichloro-2-buten	11.84	75	4427	9.35	ug/l	98
82) 4-Chlorotoluene	12.32	91	73902	10.25	ug/l	90
83) tert-Butylbenzene	12.56	119	79470	10.34	ug/l	100
84) 1,2,4-Trimethylbenzene	12.61	105	74887	10.39	ug/l	99
85) sec-Butylbenzene	12.75	105	89489	10.55	ug/l	92
86) p-Isopropyltoluene	12.88	119	75436	10.27	ug/l	94
87) 1,3-Dichlorobenzene	12.83	146	42867	10.31	ug/l	97
88) 1,4-Dichlorobenzene	12.92	146	45233	10.83	ug/l	97
89) n-Butylbenzene	13.18	91	73652	10.16	ug/l	97
90) Hexachloroethane	13.39	117	19176	10.00	ug/l	79
91) 1,2-Dichlorobenzene	13.18	146	34313	10.01	ug/l	96
92) 1,2-Dibromo-3-Chloropropan	13.76	75	2840	8.05	ug/l	81

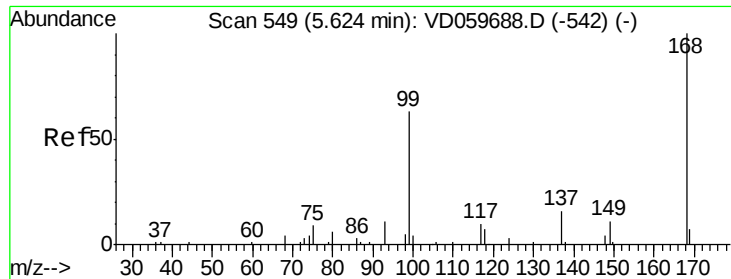
Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD080618\
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Quant Title : SW846 8260
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.33	180	31572	10.25	ug/l	93
94) Hexachlorobutadiene	14.43	225	24050	10.00	ug/l	97
95) Naphthalene	14.51	128	45577	9.89	ug/l	99
96) 1,2,3-Trichlorobenzene	14.65	180	28352	10.30	ug/l	97

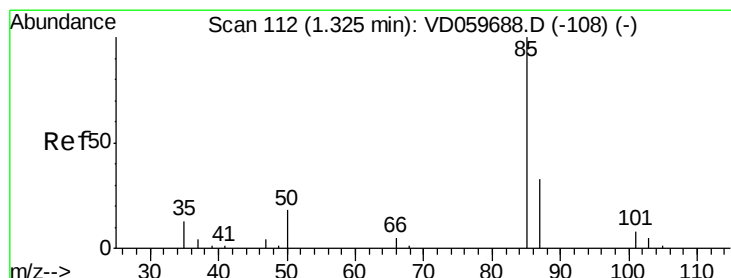
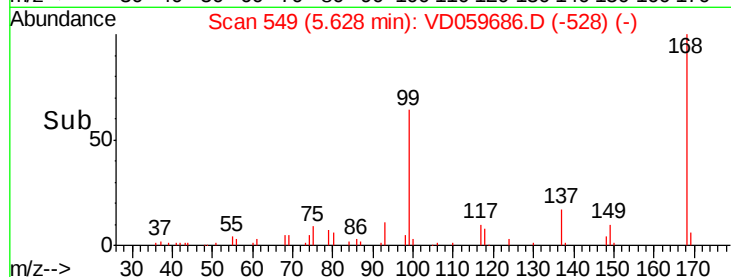
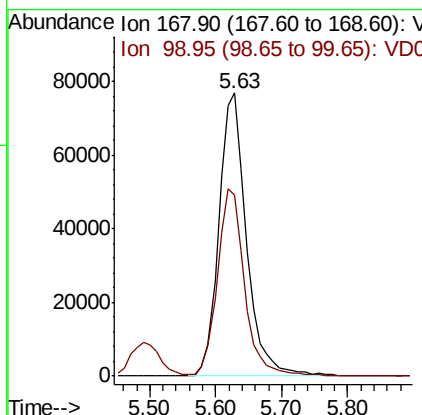
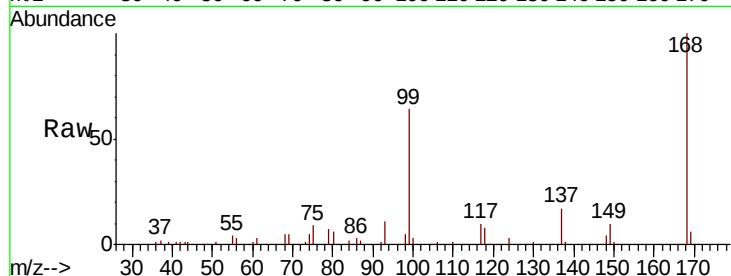
(#) = qualifier out of range (m) = manual integration (+) = signals summed



#1
Pentafluorobenzene
Concen: 50.00 ug/l
RT: 5.63 min Scan# 549
Delta R.T. 0.00 min
Lab File: VD059686.D
Acq: 6 Aug 2018 11:08

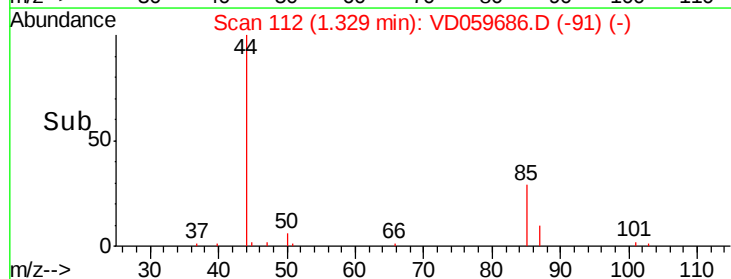
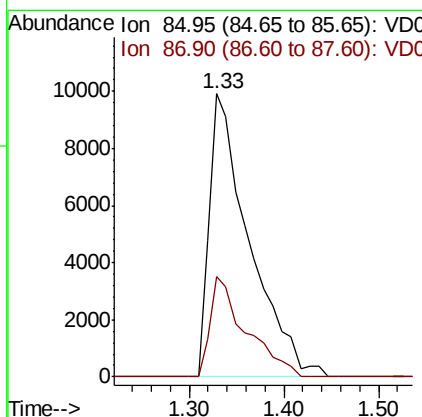
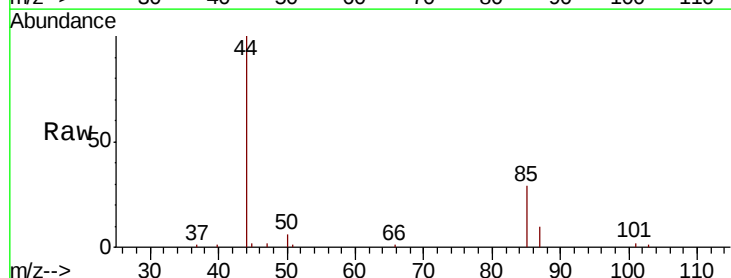
Instrument :
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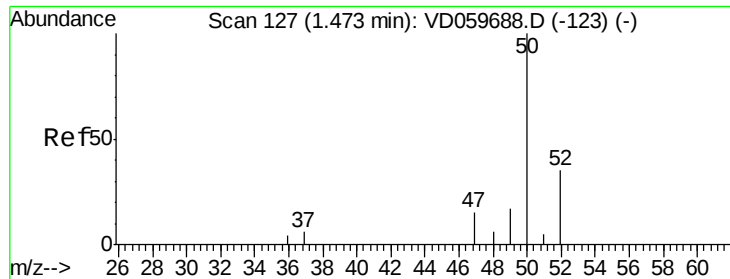
Tot Ion:168 Resp: 223305
Ion Ratio Lower Upper
168 100
99 63.8 53.4 80.2



#2
Dichlorodifluoromethane
Concen: 9.35 ug/l
RT: 1.33 min Scan# 112
Delta R.T. 0.00 min
Lab File: VD059686.D
Acq: 6 Aug 2018 11:08

Tgt Ion: 85 Resp: 29082
Ion Ratio Lower Upper
85 100
87 35.3 16.4 49.1





#3

Chloromethane

Concen: 9.78 ug/l

RT: 1.48 min Scan# 127

Delta R.T. 0.00 min

Lab File: VD059686.D

Acq: 6 Aug 2018 11:08

Instrument :

MSVOA_D

ClientSampleId :

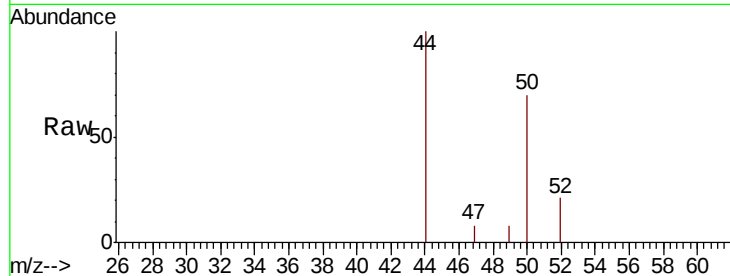
VSTDIC010

Tot Ion: 50 Resp: 13335

Ion Ratio Lower Upper

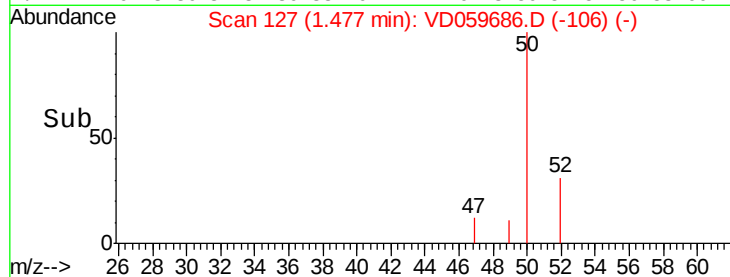
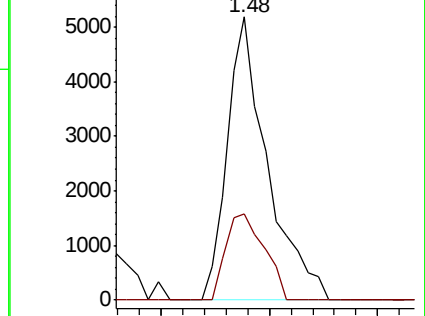
50 100

52 30.7 28.2 42.4

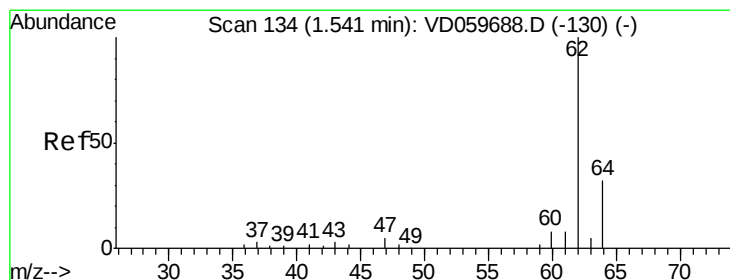


Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC



Time-->



#4

Vinyl Chloride

Concen: 8.93 ug/l

RT: 1.55 min Scan# 134

Delta R.T. 0.00 min

Lab File: VD059686.D

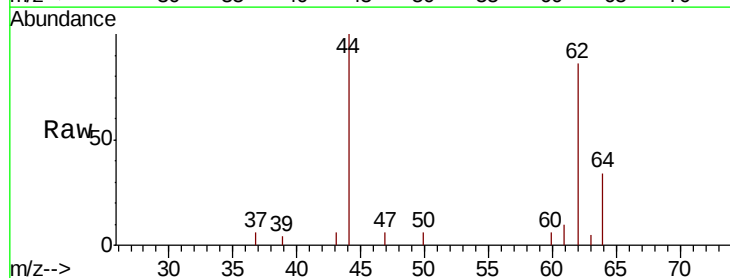
Acq: 6 Aug 2018 11:08

Tgt Ion: 62 Resp: 14516

Ion Ratio Lower Upper

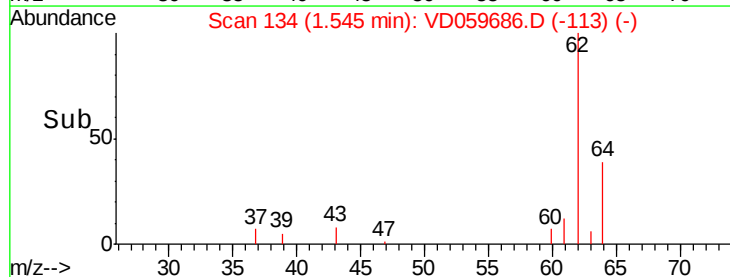
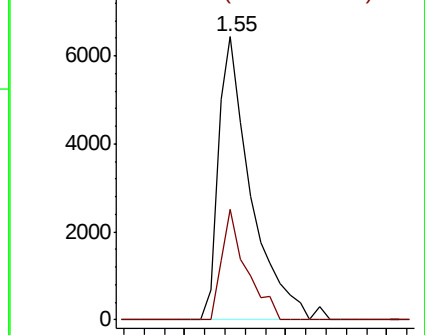
62 100

64 39.2 25.4 38.0#

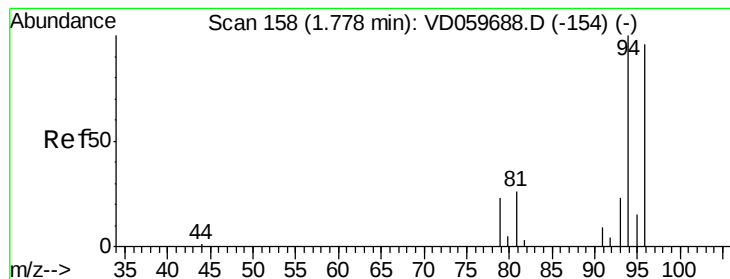


Abundance Ion 61.95 (61.65 to 62.65): VDC

Ion 63.95 (63.65 to 64.65): VDC



Time-->



#5

Bromomethane

Concen: 10.51 ug/l

RT: 1.78 min Scan# 158

Delta R.T. 0.00 min

Lab File: VD059686.D

Acq: 6 Aug 2018 11:08

Instrument :

MSVOA_D

ClientSampleId :

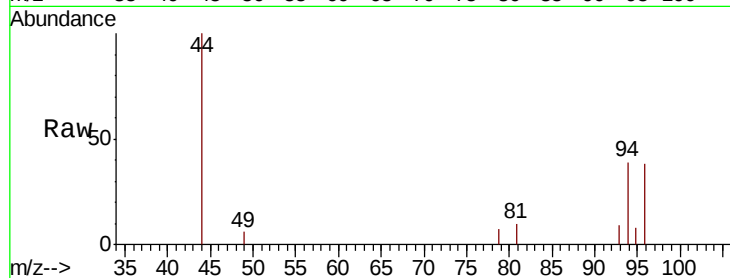
VSTDIC010

Tot Ion: 94 Resp: 5979

Ion Ratio Lower Upper

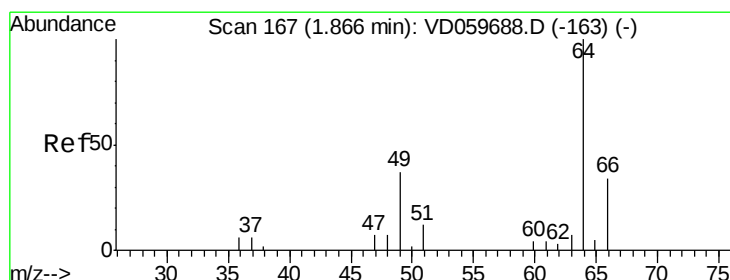
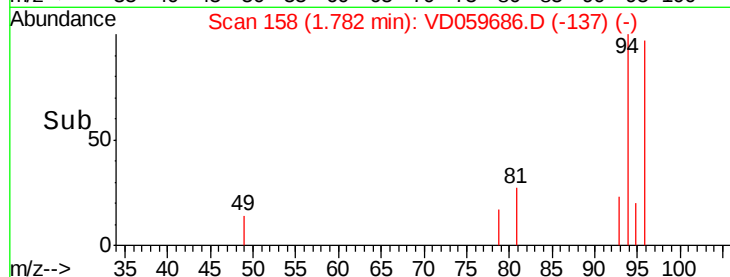
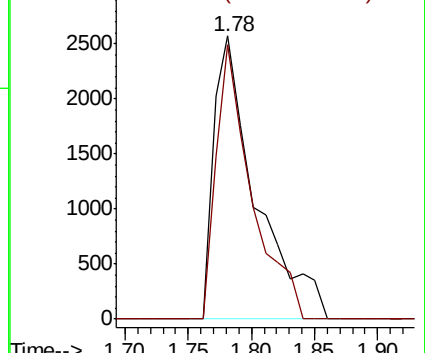
94 100

96 97.1 76.6 114.8



Abundance Ion 93.90 (93.60 to 94.60): VDC

Ion 95.90 (95.60 to 96.60): VDC



#6

Chloroethane

Concen: 10.30 ug/l

RT: 1.87 min Scan# 167

Delta R.T. 0.00 min

Lab File: VD059686.D

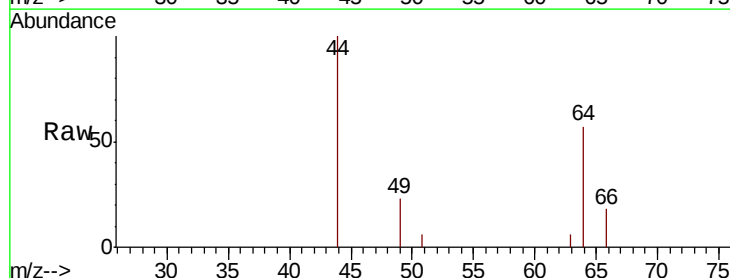
Acq: 6 Aug 2018 11:08

Tgt Ion: 64 Resp: 6689

Ion Ratio Lower Upper

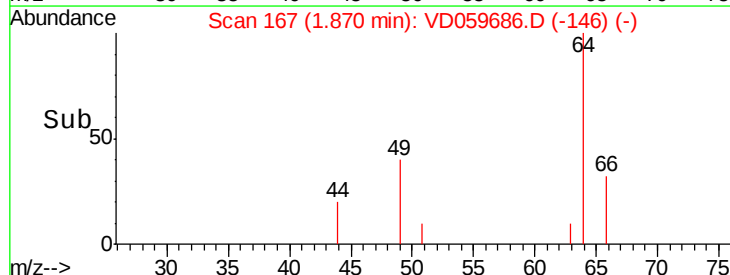
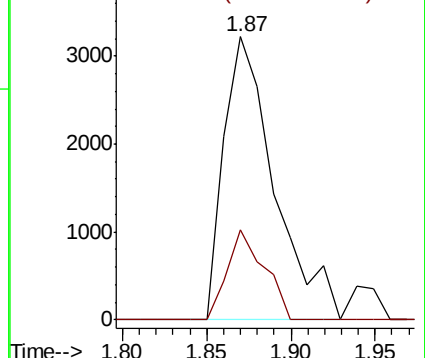
64 100

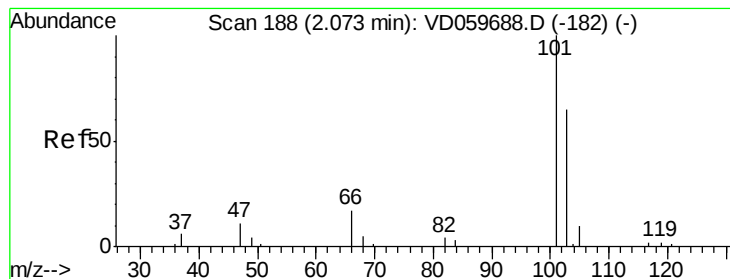
66 32.0 27.2 40.8



Abundance Ion 63.95 (63.65 to 64.65): VDC

Ion 65.90 (65.60 to 66.60): VDC





#7

Trichlorofluoromethane

Concen: 10.33 ug/l

RT: 2.08 min Scan# 188

Delta R.T. 0.00 min

Lab File: VD059686.D

Acq: 6 Aug 2018 11:08

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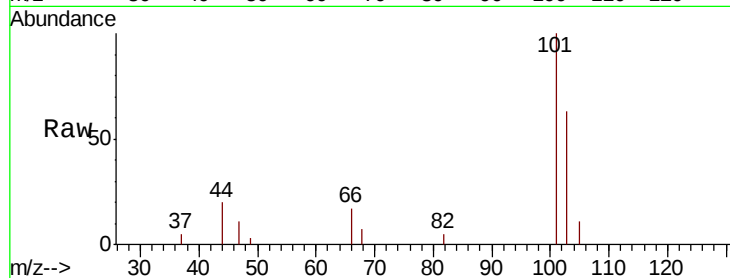
VSTDIC010

Tot Ion:101 Resp: 27164

Ion Ratio Lower Upper

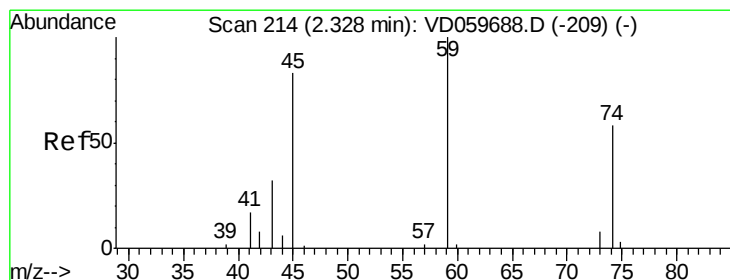
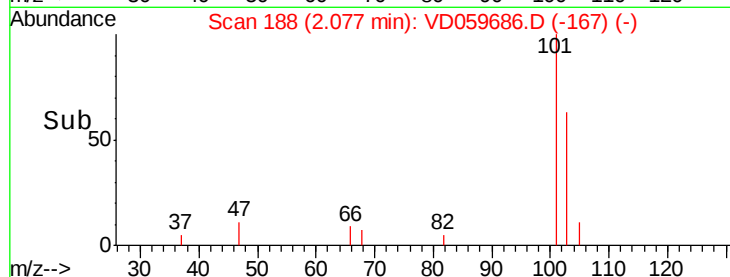
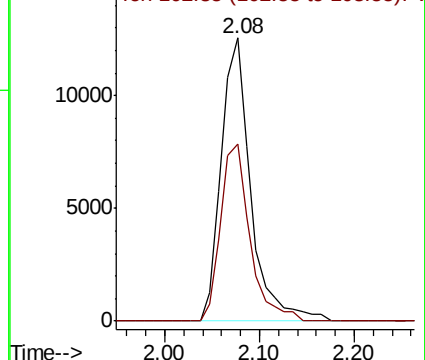
101 100

103 62.5 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: 8.62 ug/l

RT: 2.33 min Scan# 214

Delta R.T. 0.00 min

Lab File: VD059686.D

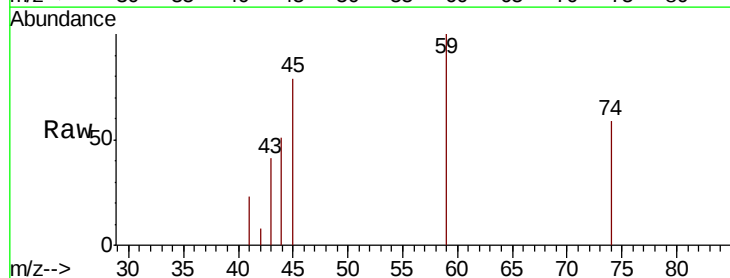
Acq: 6 Aug 2018 11:08

Tgt Ion: 74 Resp: 4228

Ion Ratio Lower Upper

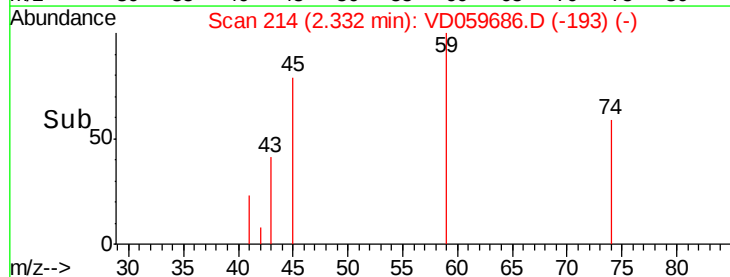
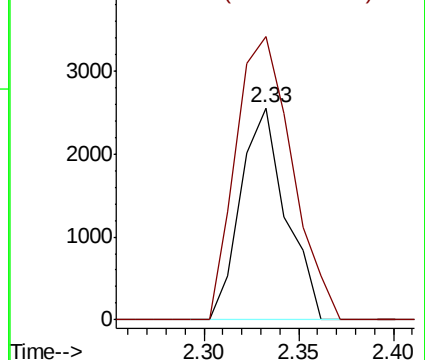
74 100

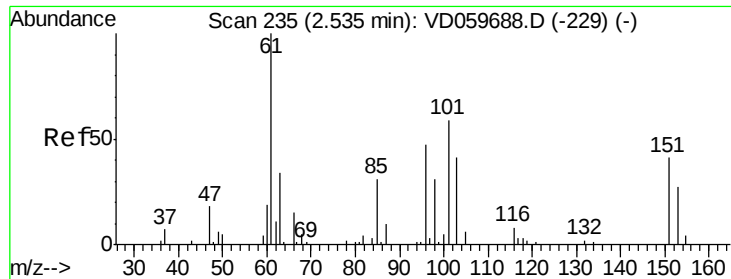
45 133.5 71.4 214.2



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: 9.84 ug/l

RT: 2.54 min Scan# 235

Delta R.T. 0.00 min

Lab File: VD059686.D

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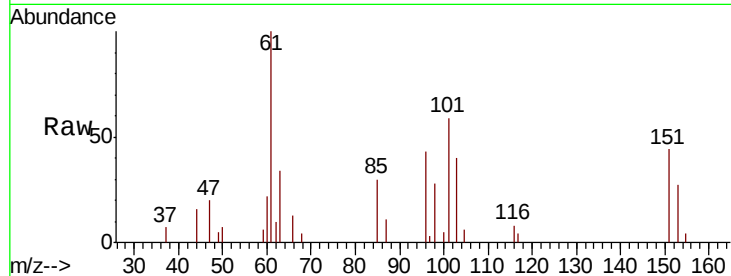
Tot Ion:101 Resp: 14934

Ion Ratio Lower Upper

101 100

85 51.4 42.2 63.4

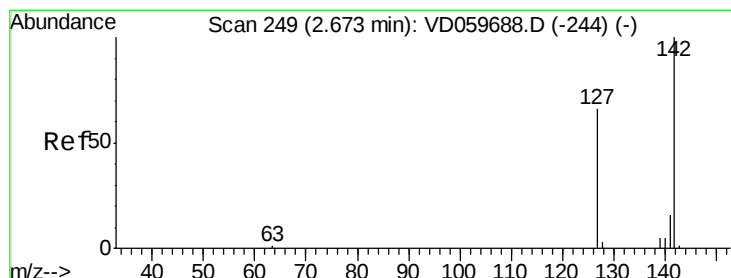
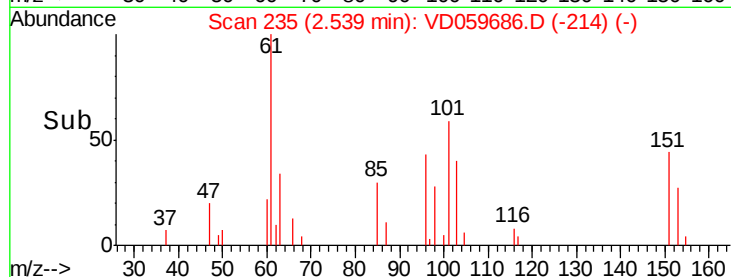
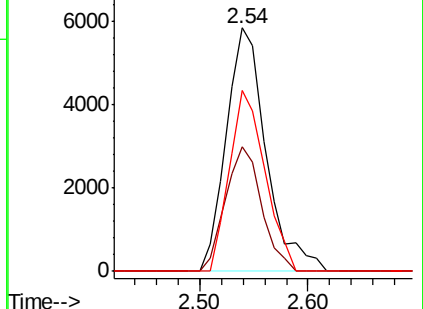
151 74.2 55.2 82.8



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: 8.94 ug/l

RT: 2.69 min Scan# 250

Delta R.T. 0.01 min

Lab File: VD059686.D

Acq: 6 Aug 2018 11:08

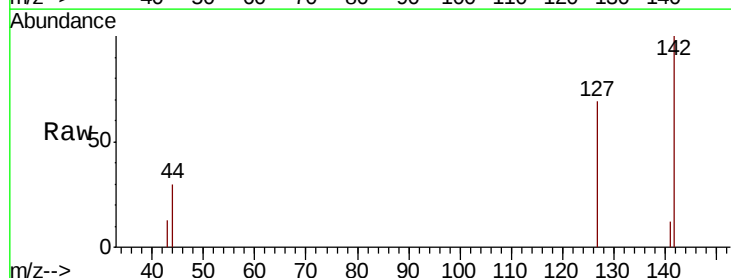
Tgt Ion:142 Resp: 15490

Ion Ratio Lower Upper

142 100

127 68.8 52.6 79.0

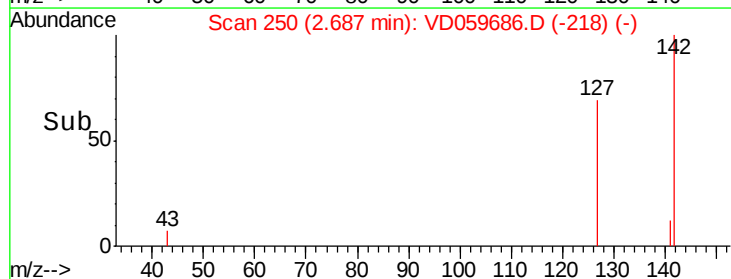
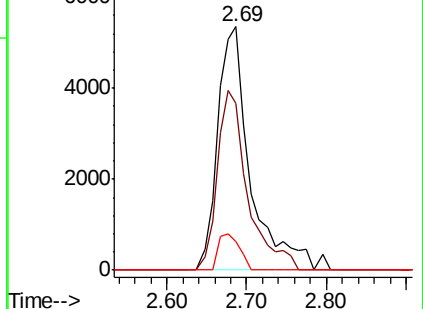
141 11.8 12.5 18.7#

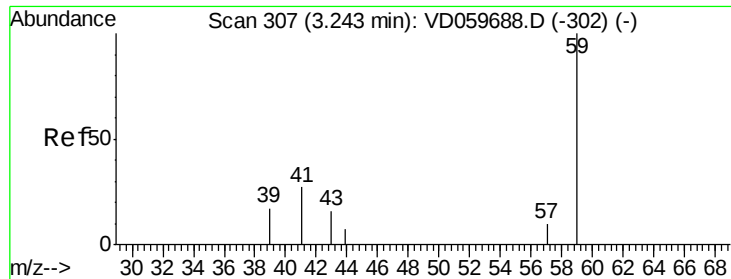


Abundance Ion 141.85 (141.55 to 142.55): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.85 (140.55 to 141.55): V

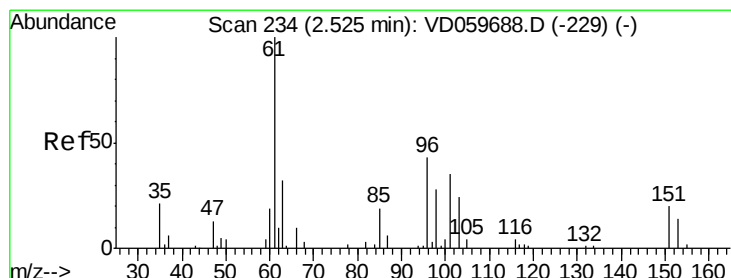
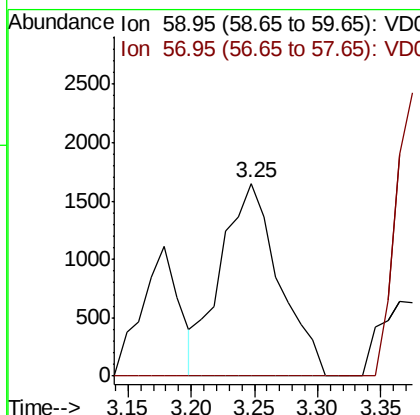
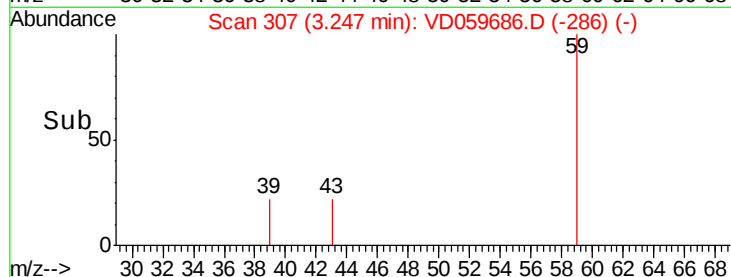
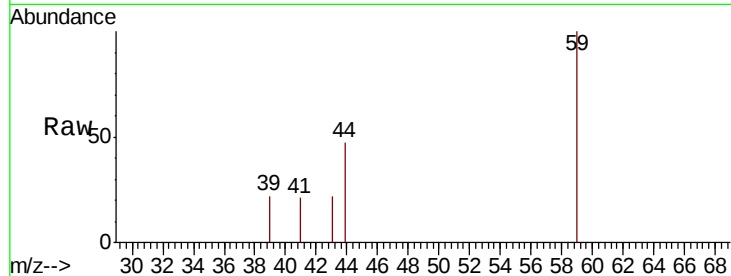




#11
Tert butyl alcohol
Concen: 51.35 ug/l
RT: 3.25 min Scan# 307
Delta R.T. 0.00 min
Lab File: VD059686.D
Acq: 6 Aug 2018 11:08

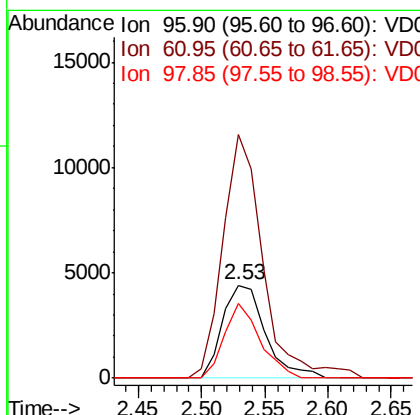
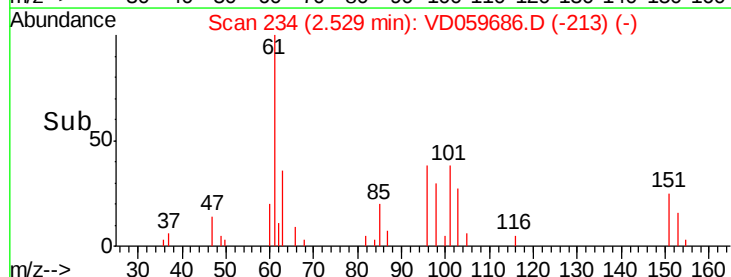
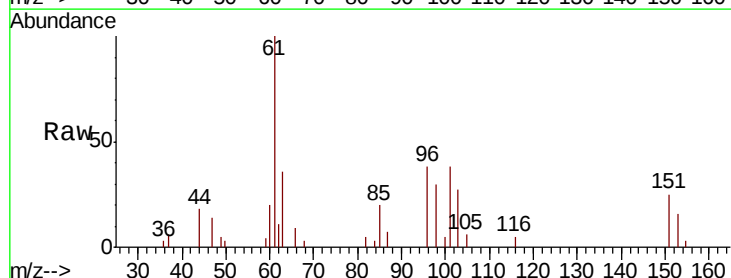
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC010

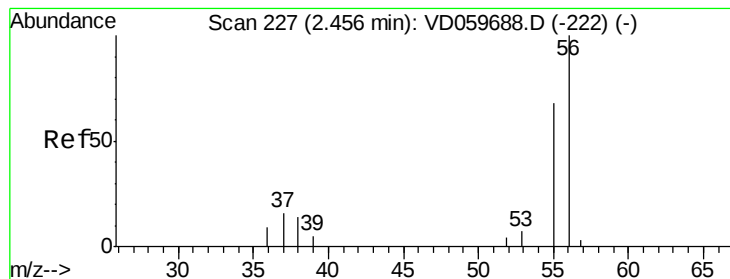
Tot Ion: 59 Resp: 5280
Ion Ratio Lower Upper
59 100
57 0.0 6.8 10.2#



#12
1,1-Dichloroethene
Concen: 9.26 ug/l
RT: 2.53 min Scan# 234
Delta R.T. 0.00 min
Lab File: VD059686.D
Acq: 6 Aug 2018 11:08

Tgt Ion: 96 Resp: 10389
Ion Ratio Lower Upper
96 100
61 262.7 184.1 276.1
98 80.0 52.4 78.6#





#13

Acrolein

Concen: 47.34 ug/l

RT: 2.45 min Scan# 226

Delta R.T. -0.01 min

Lab File: VD059686.D

Acq: 6 Aug 2018 11:08

Instrument :

MSVOA_D

ClientSampleId :

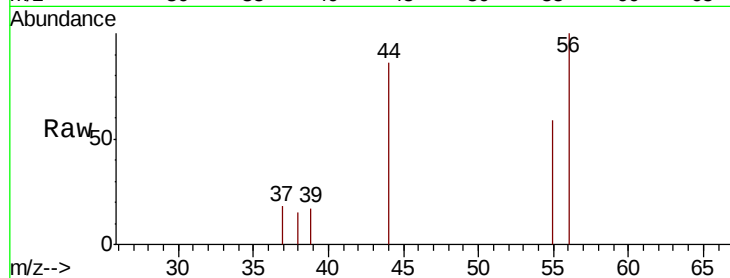
VSTDIC010

Tot Ion: 56 Resp: 4646

Ion Ratio Lower Upper

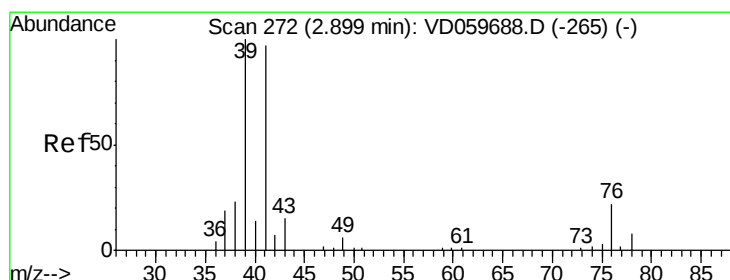
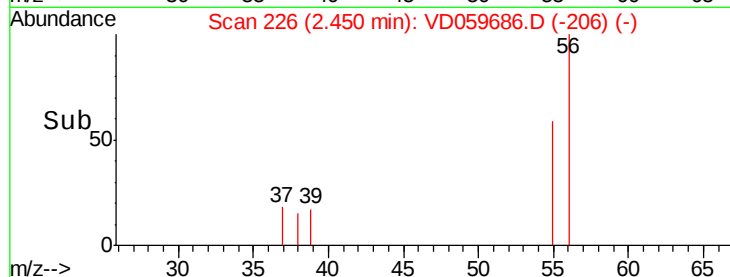
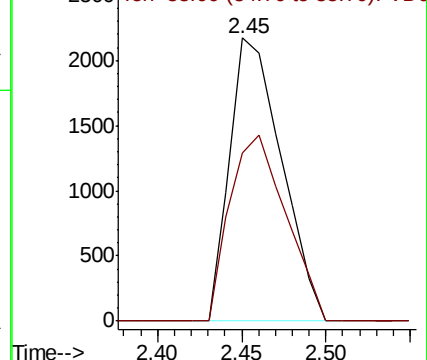
56 100

55 59.2 54.4 81.6



Abundance Ion 55.95 (55.65 to 56.65): VDC

Ion 55.00 (54.70 to 55.70): VDC



#14

Allyl chloride

Concen: 9.64 ug/l

RT: 2.90 min Scan# 272

Delta R.T. 0.00 min

Lab File: VD059686.D

Acq: 6 Aug 2018 11:08

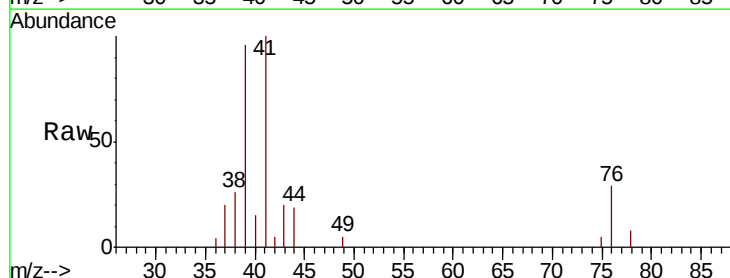
Tgt Ion: 41 Resp: 24565

Ion Ratio Lower Upper

41 100

39 95.8 82.5 123.7

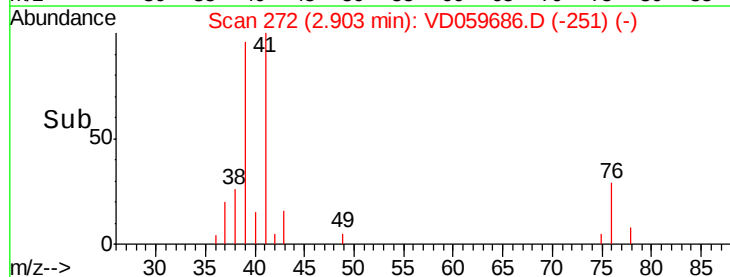
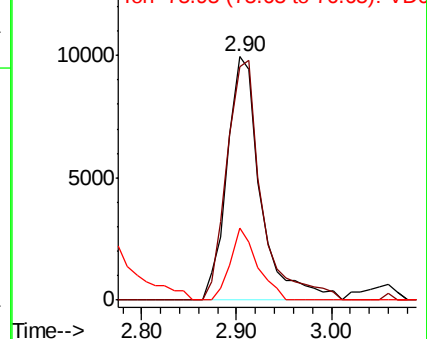
76 29.5 22.1 33.1

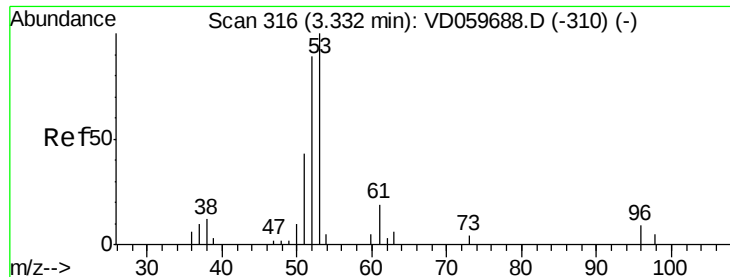


Abundance Ion 41.05 (40.75 to 41.75): VDC

Ion 38.95 (38.65 to 39.65): VDC

Ion 75.95 (75.65 to 76.65): VDC





#15

Acrylonitrile

Concen: 49.59 ug/l

RT: 3.35 min Scan# 317

Delta R.T. 0.01 min

Lab File: VD059686.D

Acq: 6 Aug 2018 11:08

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC010

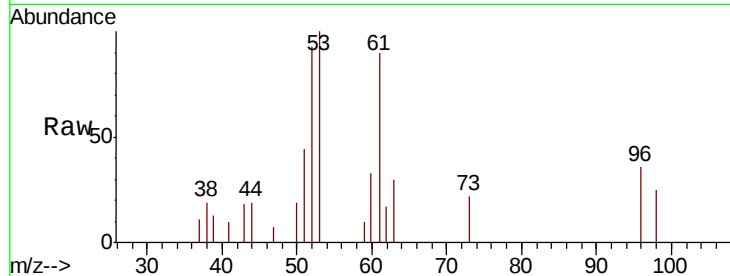
Tot Ion: 53 Resp: 14658

Ion Ratio Lower Upper

53 100

52 92.8 71.4 107.0

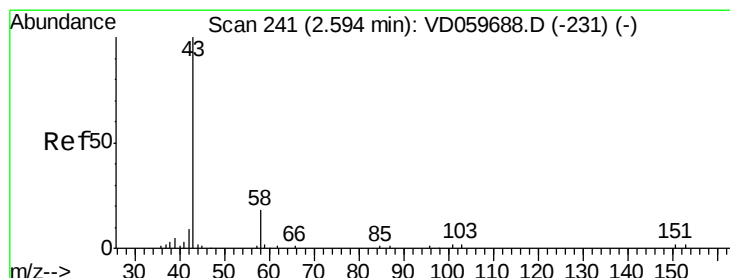
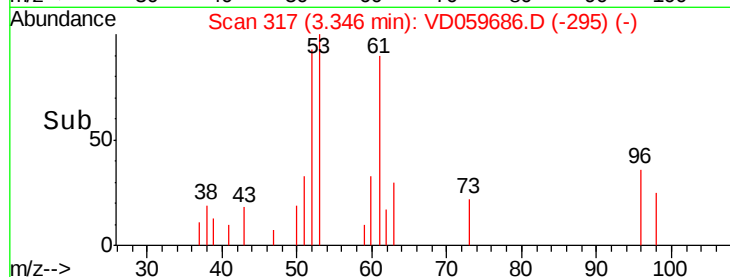
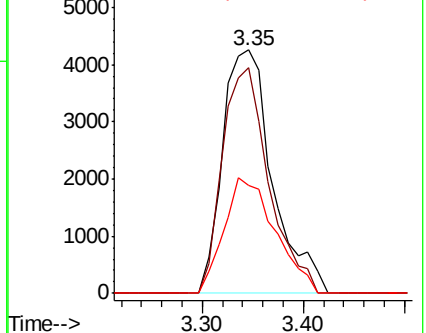
51 44.1 34.2 51.4



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: 46.26 ug/l

RT: 2.60 min Scan# 241

Delta R.T. 0.00 min

Lab File: VD059686.D

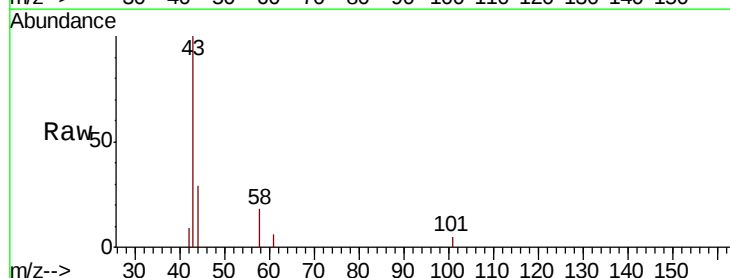
Acq: 6 Aug 2018 11:08

Tgt Ion: 43 Resp: 25125

Ion Ratio Lower Upper

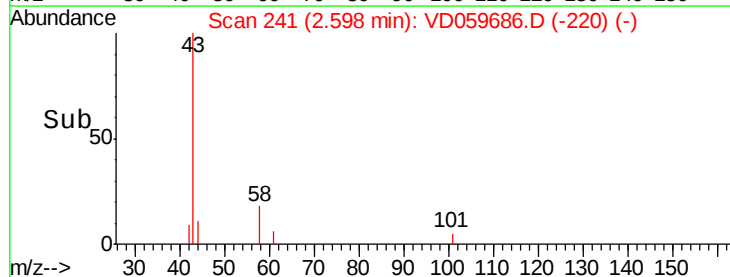
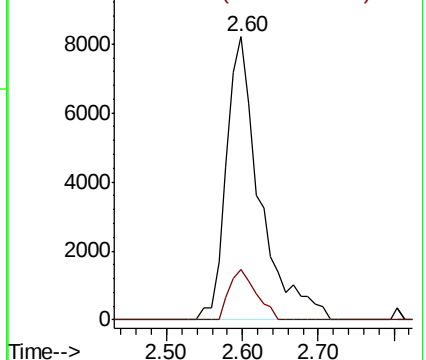
43 100

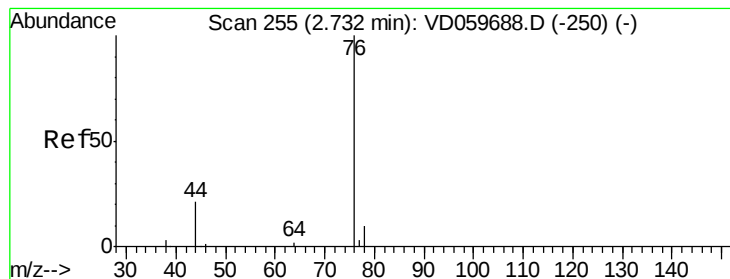
58 17.6 14.2 21.2



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC





#17

Carbon Disulfide

Concen: 8.85 ug/l

RT: 2.74 min Scan# 255

Delta R.T. 0.00 min

Lab File: VD059686.D

Acq: 6 Aug 2018 11:08

Instrument :

MSVOA_D

ClientSampleId :

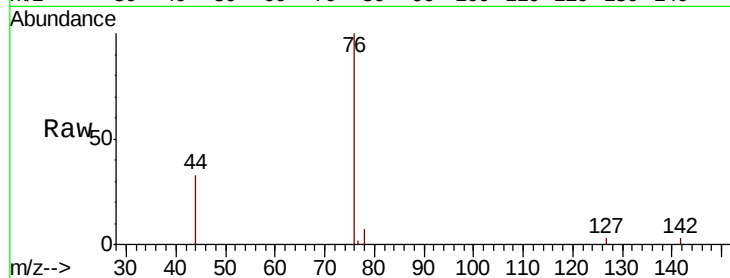
VSTDIC010

Tot Ion: 76 Resp: 35124

Ion Ratio Lower Upper

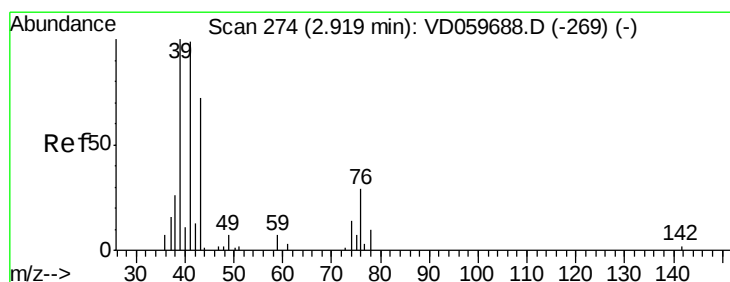
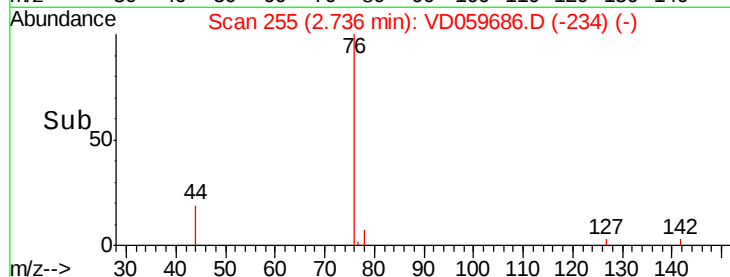
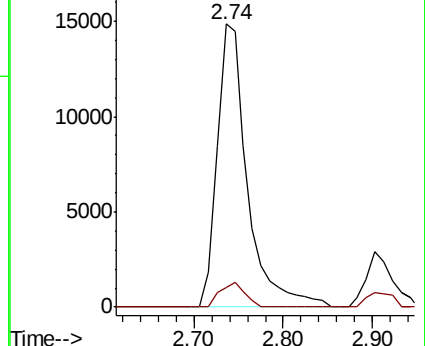
76 100

78 7.1 7.7 11.5#



Abundance Ion 75.85 (75.55 to 76.55): VDC

Ion 77.85 (77.55 to 78.55): VDC



#18

Methyl Acetate

Concen: 8.85 ug/l

RT: 2.92 min Scan# 274

Delta R.T. 0.00 min

Lab File: VD059686.D

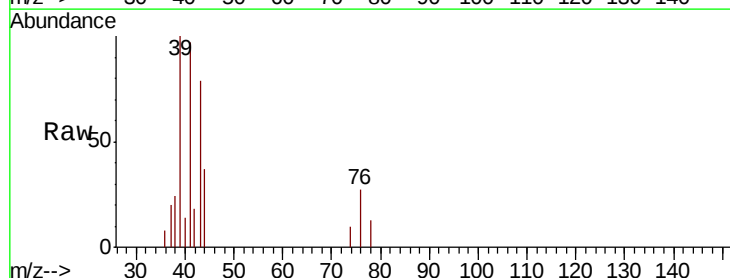
Acq: 6 Aug 2018 11:08

Tgt Ion: 43 Resp: 8605

Ion Ratio Lower Upper

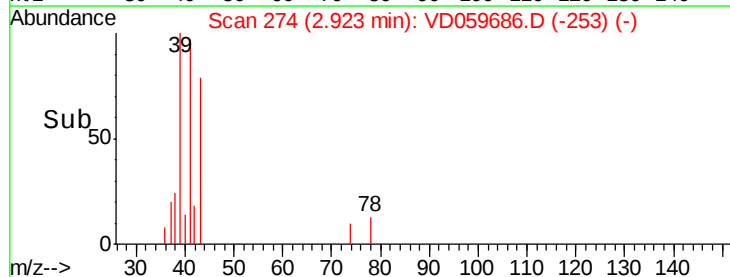
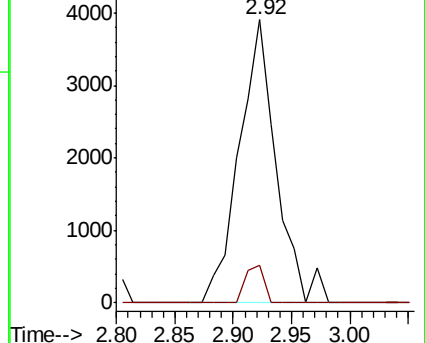
43 100

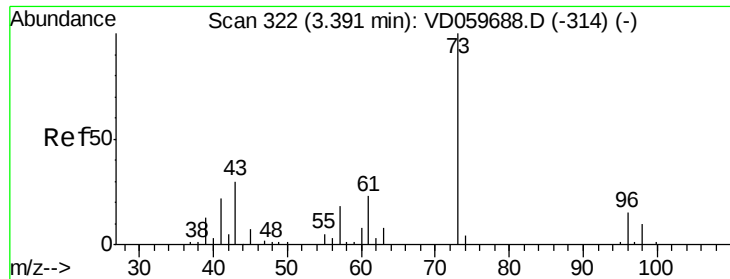
74 13.3 15.7 23.5#



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 74.00 (73.70 to 74.70): VDC

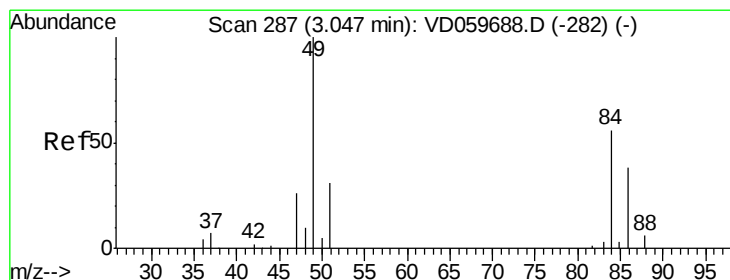
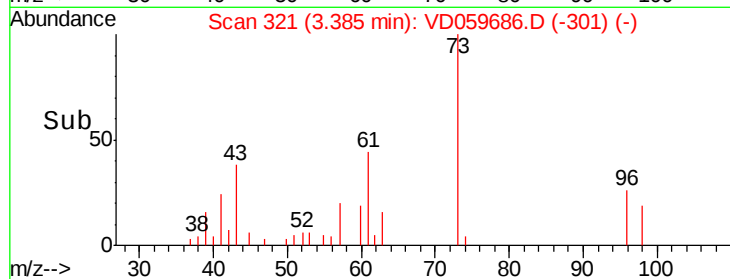
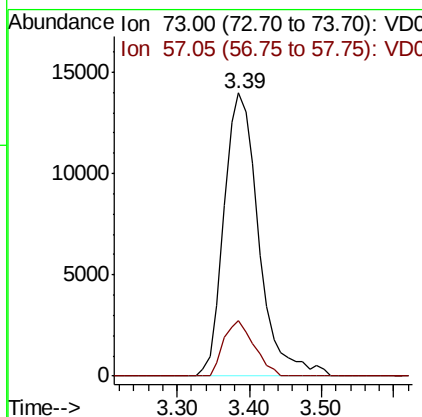
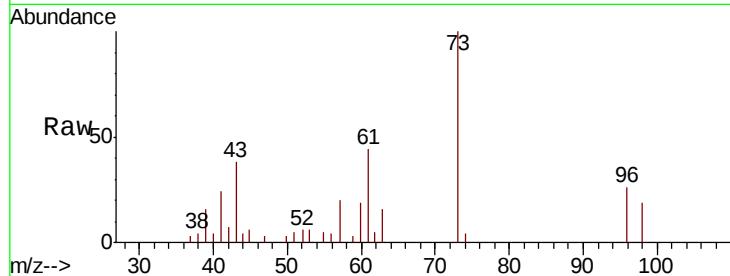




#19
Methvl tert-butvl Ether
Concen: 10.82 ug/l
RT: 3.39 min Scan# 321
Delta R.T. -0.01 min
Lab File: VD059686.D
Acq: 6 Aug 2018 11:08

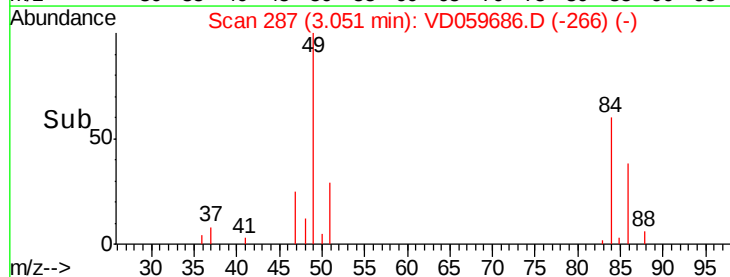
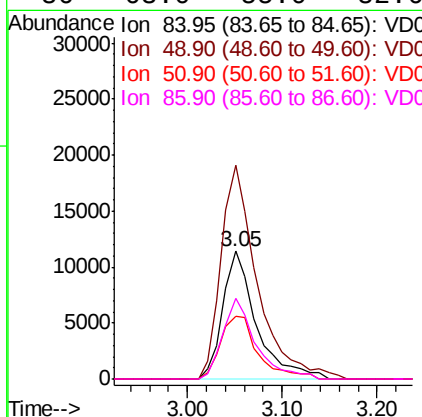
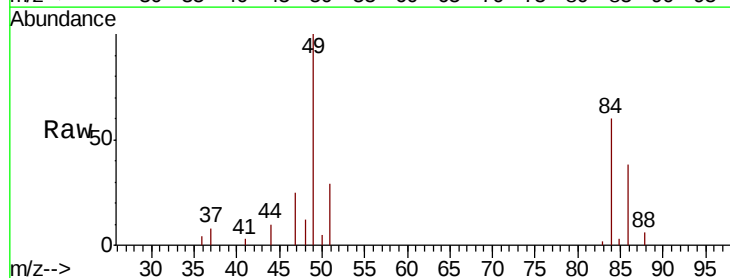
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC010

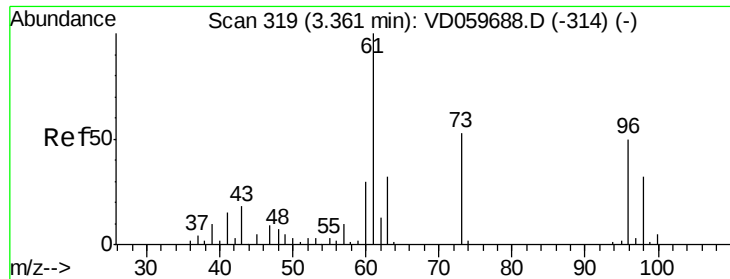
Tot Ion: 73 Resp: 46715
Ion Ratio Lower Upper
73 100
57 19.7 14.3 21.5



#20
Methylene Chloride
Concen: 13.89 ug/l
RT: 3.05 min Scan# 287
Delta R.T. 0.00 min
Lab File: VD059686.D
Acq: 6 Aug 2018 11:08

Tgt Ion: 84 Resp: 28116
Ion Ratio Lower Upper
84 100
49 167.5 143.4 215.2
51 48.8 44.2 66.4
86 63.0 55.0 82.6

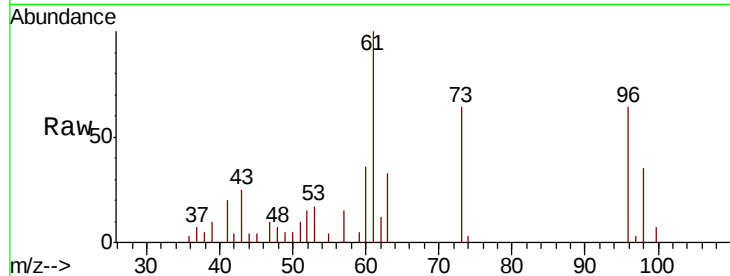




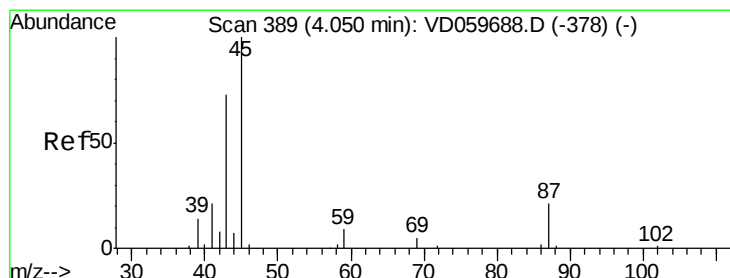
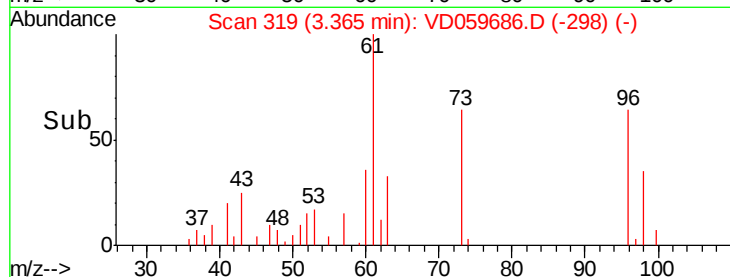
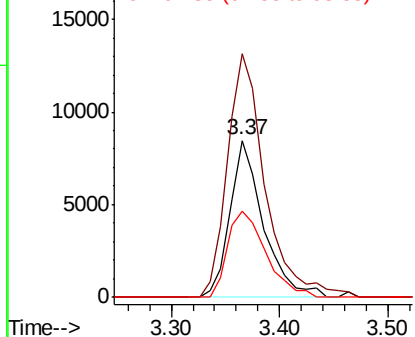
#21
trans-1,2-Dichloroethene
Concen: 11.91 ug/l
RT: 3.37 min Scan# 319
Delta R.T. 0.00 min
Lab File: VD059686.D
Acq: 6 Aug 2018 11:08

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC010

Tot Ion: 96 Resp: 18132
Ion Ratio Lower Upper
96 100
61 155.5 160.6 241.0#
98 54.9 50.9 76.3

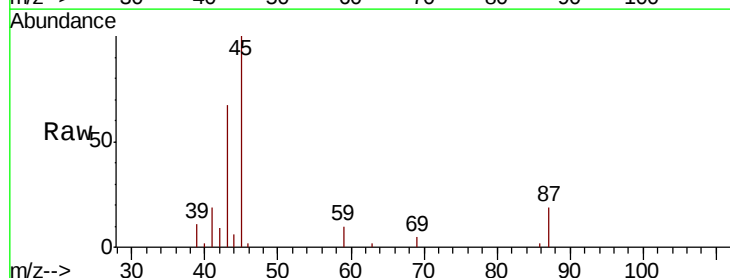


Abundance Ion 95.90 (95.60 to 96.60): VDC
Ion 60.95 (60.65 to 61.65): VDC
Ion 97.85 (97.55 to 98.55): VDC

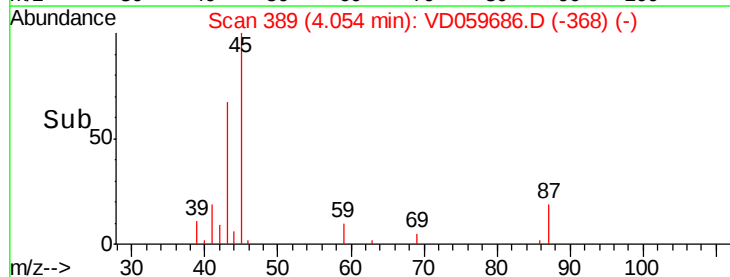
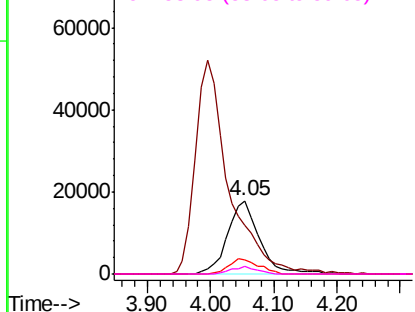


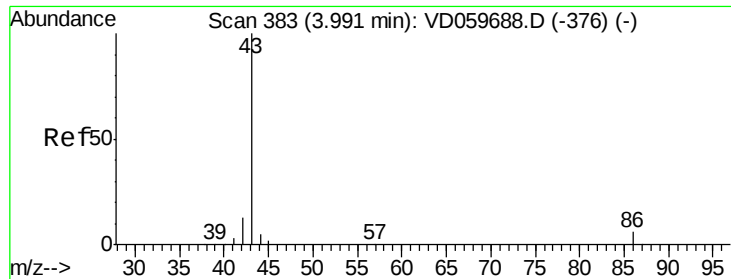
#22
Diisopropyl ether
Concen: 10.64 ug/l
RT: 4.05 min Scan# 389
Delta R.T. 0.00 min
Lab File: VD059686.D
Acq: 6 Aug 2018 11:08

Tgt Ion: 45 Resp: 61941
Ion Ratio Lower Upper
45 100
43 66.7 60.3 90.5
87 19.0 17.0 25.6
59 10.1 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: 52.23 ug/l

RT: 3.99 min Scan# 383

Delta R.T. 0.00 min

Lab File: VD059686.D

Acq: 6 Aug 2018 11:08

Instrument :

MSVOA_D

ClientSampleId :

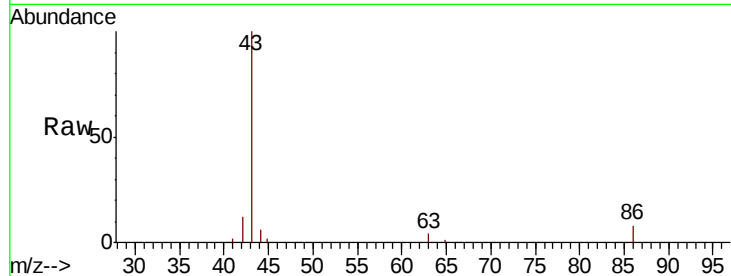
VSTDIC010

Tot Ion: 43 Resp: 189696

Ion Ratio Lower Upper

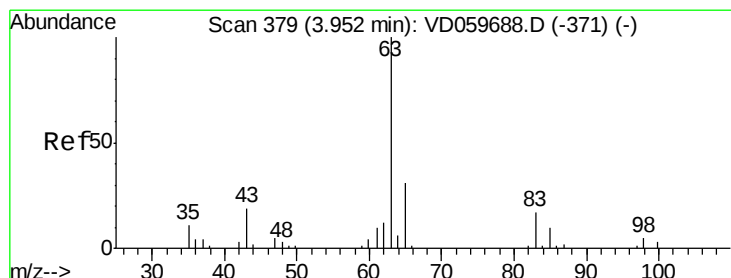
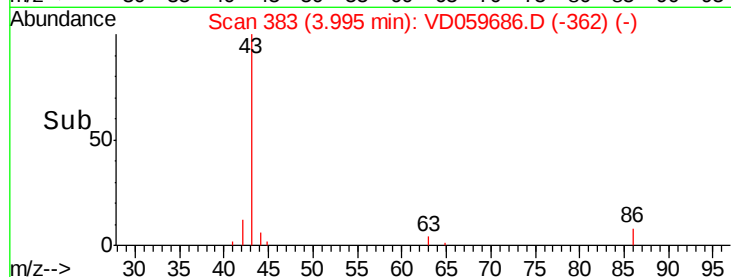
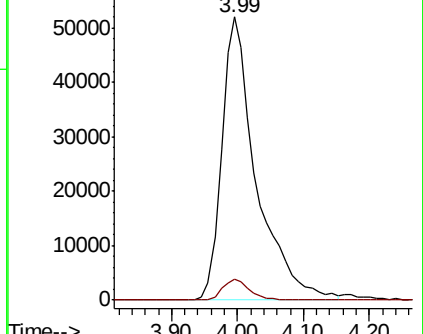
43 100

86 7.6 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: 10.27 ug/l

RT: 3.96 min Scan# 379

Delta R.T. 0.00 min

Lab File: VD059686.D

Acq: 6 Aug 2018 11:08

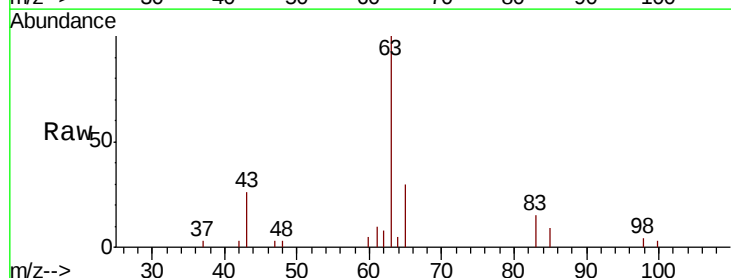
Tgt Ion: 63 Resp: 40241

Ion Ratio Lower Upper

63 100

98 4.3 2.4 7.1

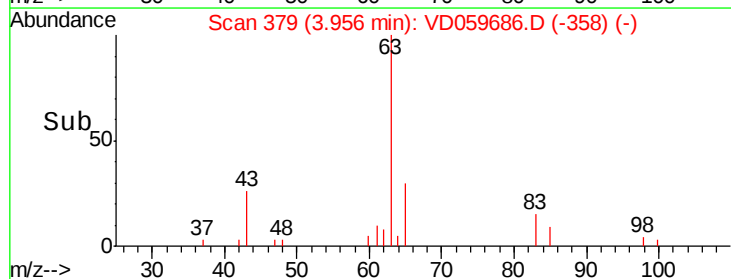
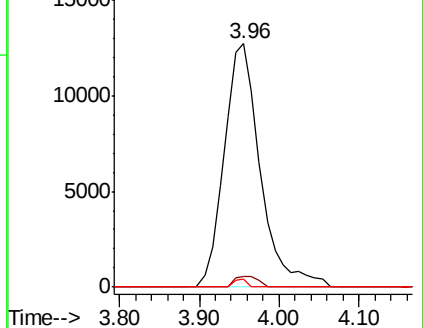
100 3.2 1.6 4.8

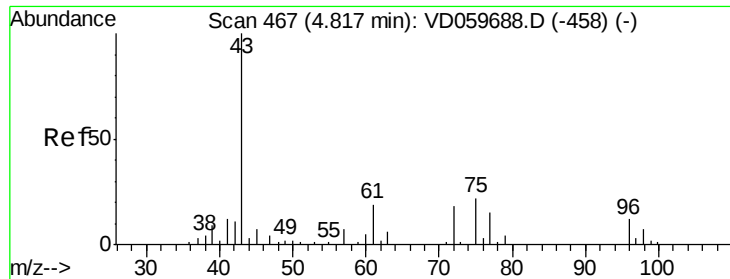


Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 97.95 (97.65 to 98.65): VDC

Ion 99.95 (99.65 to 100.65): VDC





#25

2-Butanone

Concen: 43.79 ug/l

RT: 4.81 min Scan# 466

Delta R.T. -0.01 min

Lab File: VD059686.D

Acq: 6 Aug 2018 11:08

Instrument :

MSVOA_D

ClientSampleId :

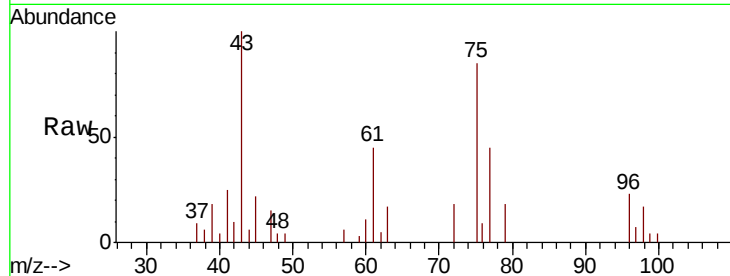
VSTDIC010

Tot Ion: 43 Resp: 30329

Ion Ratio Lower Upper

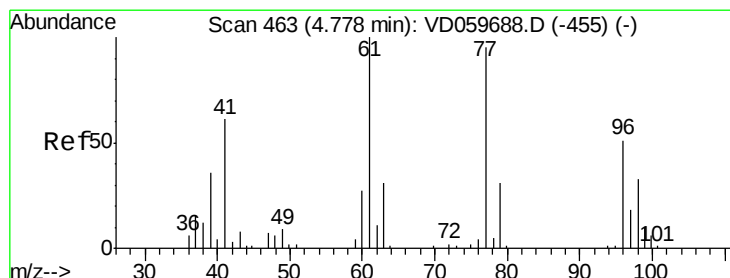
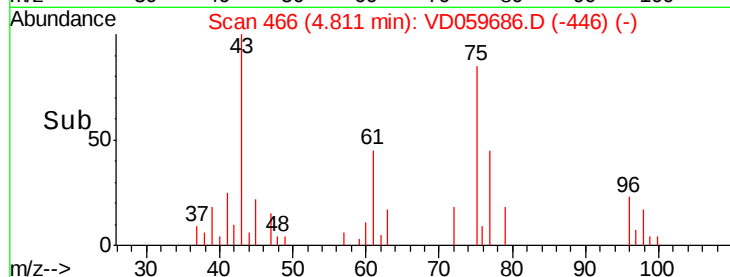
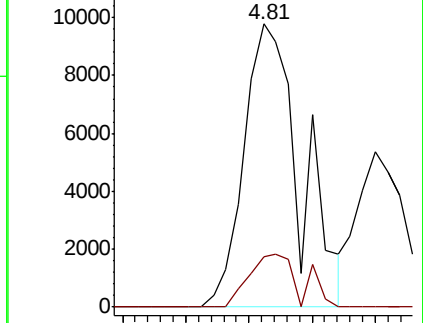
43 100

72 17.9 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: 10.36 ug/l

RT: 4.77 min Scan# 462

Delta R.T. -0.01 min

Lab File: VD059686.D

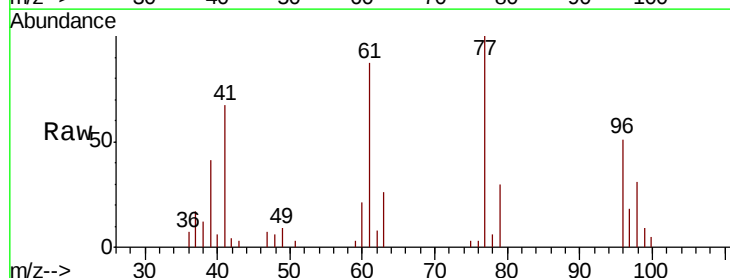
Acq: 6 Aug 2018 11:08

Tgt Ion: 77 Resp: 44083

Ion Ratio Lower Upper

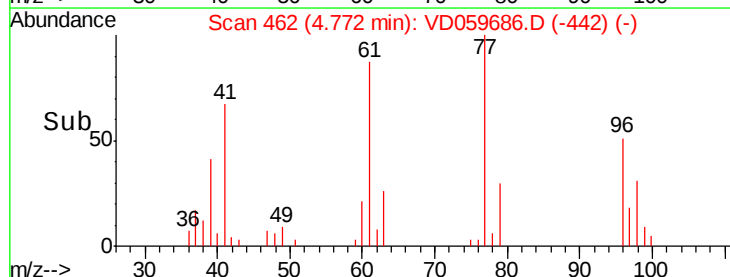
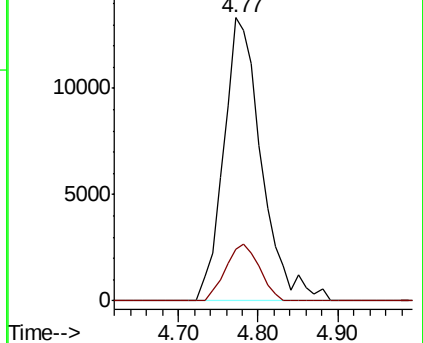
77 100

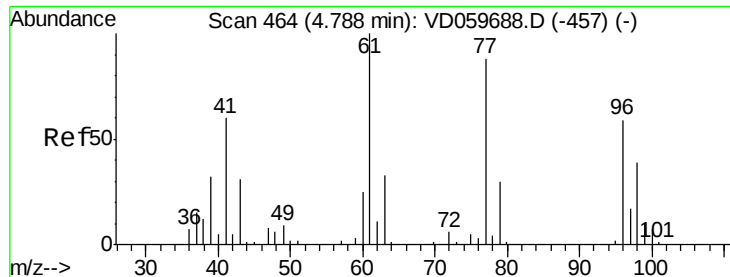
97 18.1 9.4 28.3



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: 10.91 ug/l

RT: 4.78 min Scan# 463

Delta R.T. -0.01 min

Lab File: VD059686.D

Acq: 6 Aug 2018 11:08

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC010

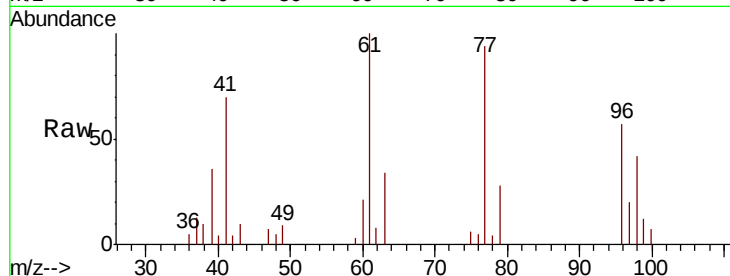
Tot Ion: 96 Resp: 22458

Ion Ratio Lower Upper

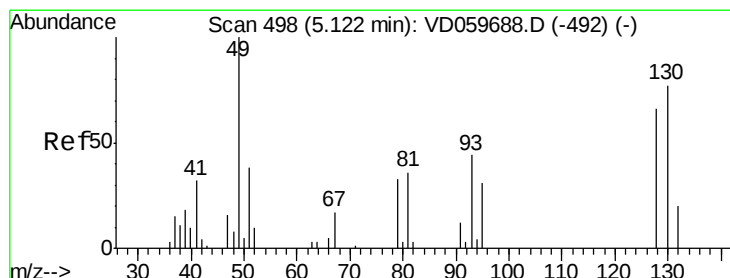
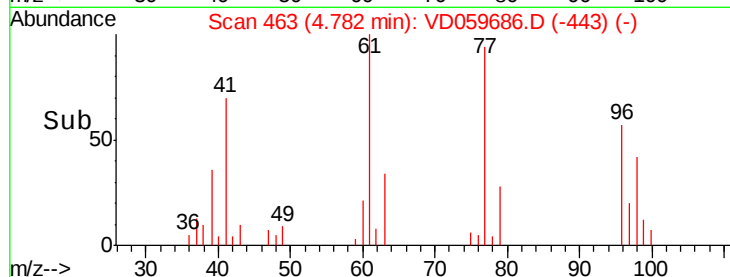
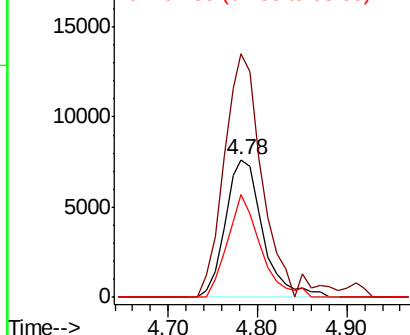
96 100

61 176.6 0.0 341.6

98 74.2 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: 9.33 ug/l

RT: 5.13 min Scan# 498

Delta R.T. 0.00 min

Lab File: VD059686.D

Acq: 6 Aug 2018 11:08

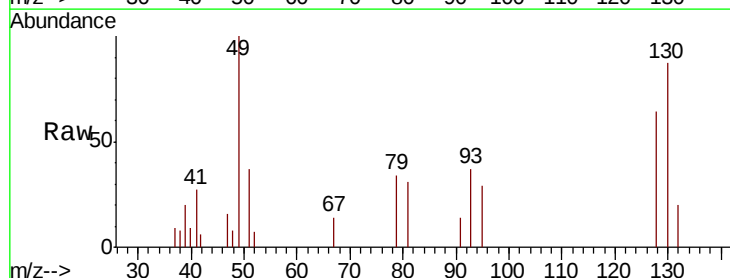
Tgt Ion: 49 Resp: 13556

Ion Ratio Lower Upper

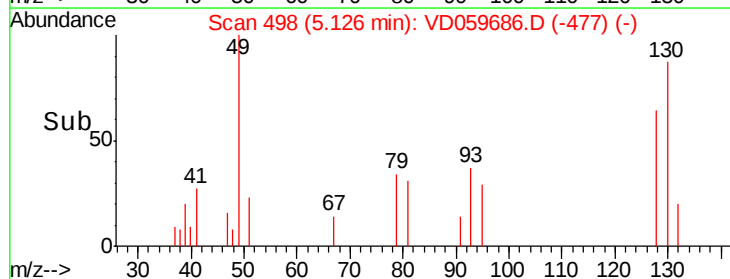
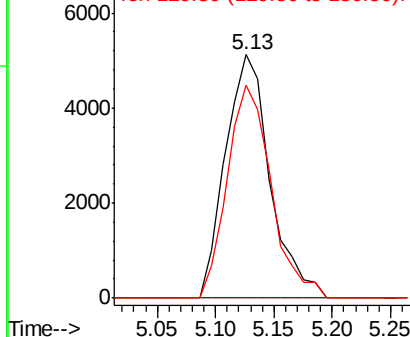
49 100

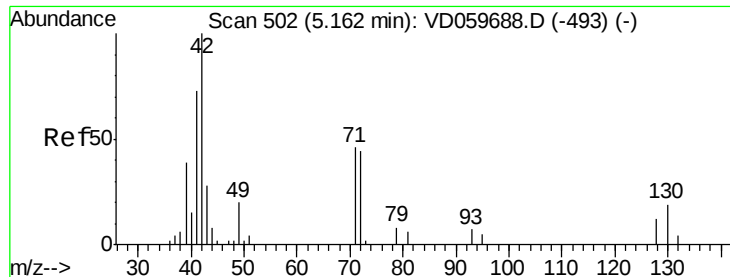
129 0.0 0.0 0.0

130 87.2 61.2 91.8



Abundance Ion 48.90 (48.60 to 49.60): VDC
Ion 128.80 (128.50 to 129.50): VDC
Ion 129.80 (129.50 to 130.50): VDC





#29

Tetrahydrofuran

Concen: 50.77 ug/l

RT: 5.17 min Scan# 502

Delta R.T. 0.00 min

Lab File: VD059686.D

Acq: 6 Aug 2018 11:08

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC010

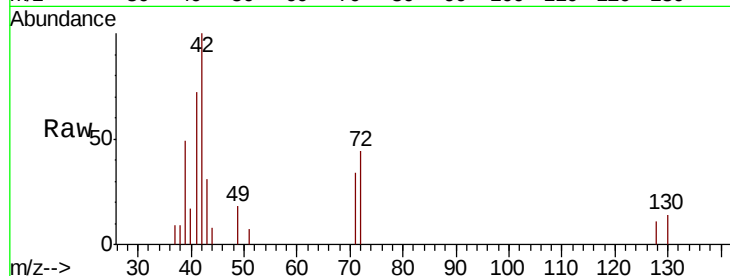
Tot Ion: 42 Resp: 13756

Ion Ratio Lower Upper

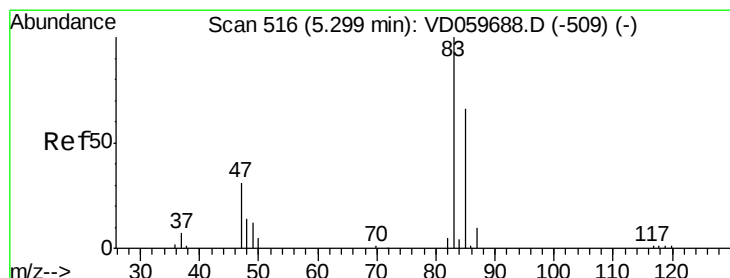
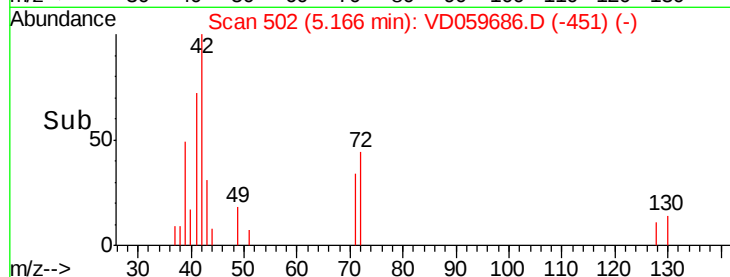
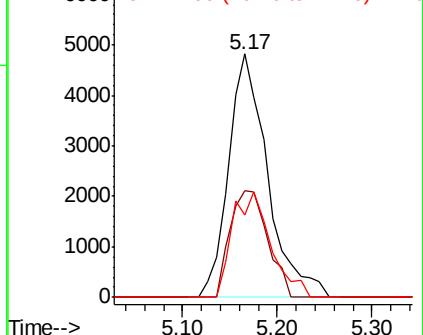
42 100

72 41.8 36.7 55.1

71 42.3 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: 10.20 ug/l

RT: 5.30 min Scan# 516

Delta R.T. 0.00 min

Lab File: VD059686.D

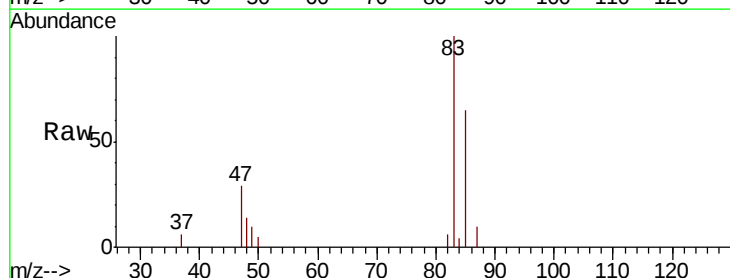
Acq: 6 Aug 2018 11:08

Tgt Ion: 83 Resp: 48270

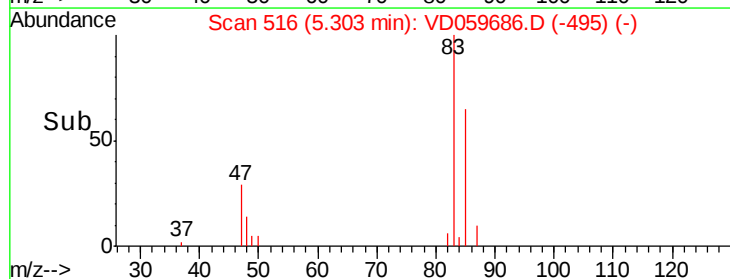
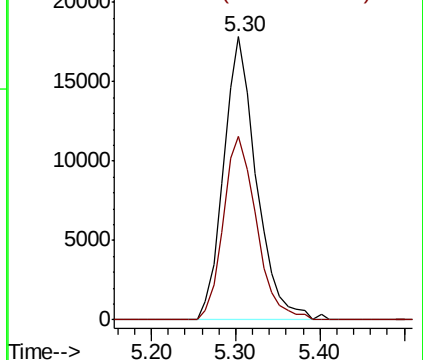
Ion Ratio Lower Upper

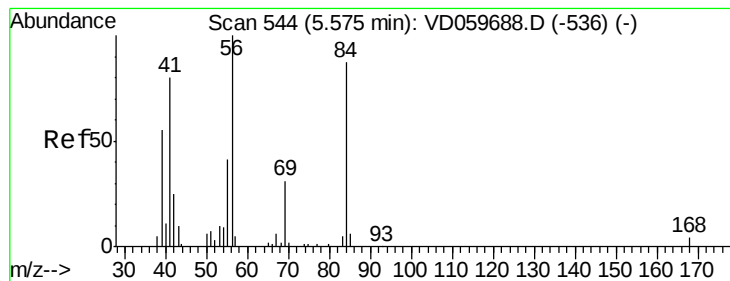
83 100

85 64.9 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: 10.75 ug/l

RT: 5.58 min Scan# 544

Delta R.T. 0.00 min

Lab File: VD059686.D

Acq: 6 Aug 2018 11:08

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC010

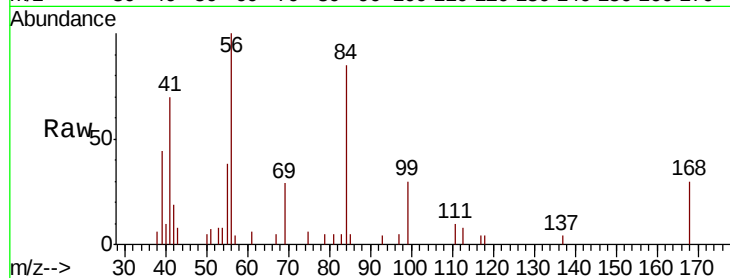
Tot Ion: 56 Resp: 30680

Ion Ratio Lower Upper

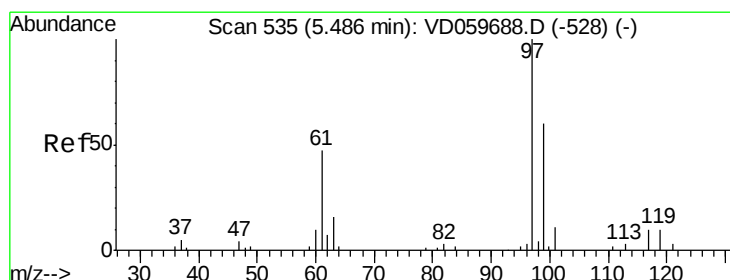
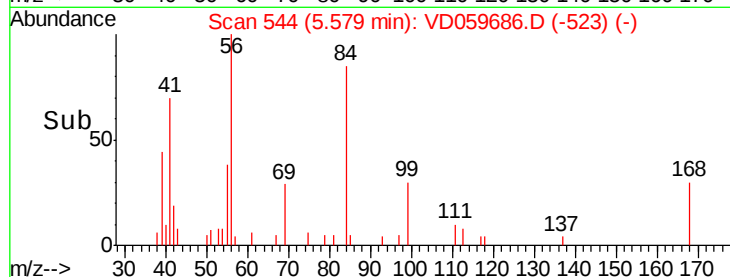
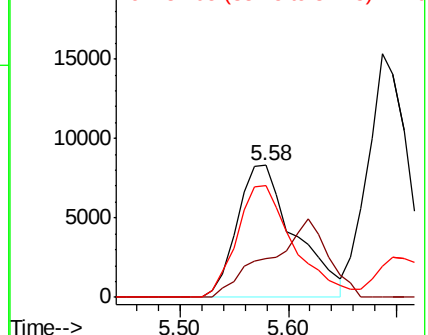
56 100

69 29.1 24.7 37.1

84 84.8 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: 9.76 ug/l

RT: 5.49 min Scan# 535

Delta R.T. 0.00 min

Lab File: VD059686.D

Acq: 6 Aug 2018 11:08

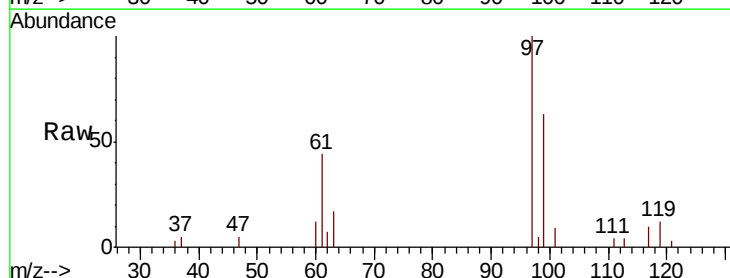
Tgt Ion: 97 Resp: 45242

Ion Ratio Lower Upper

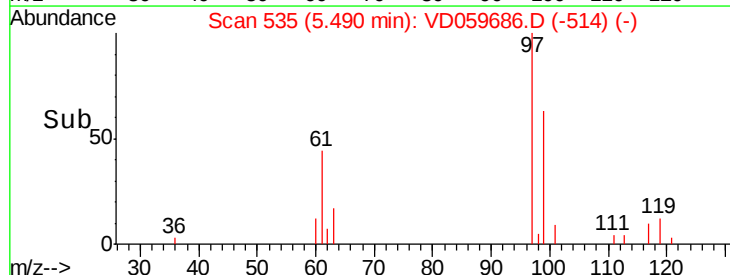
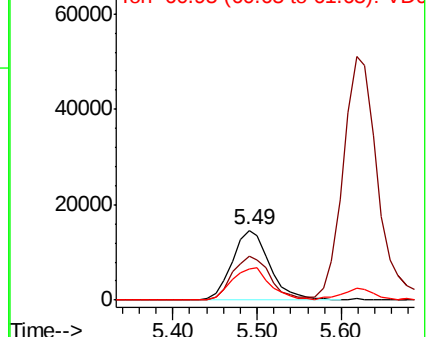
97 100

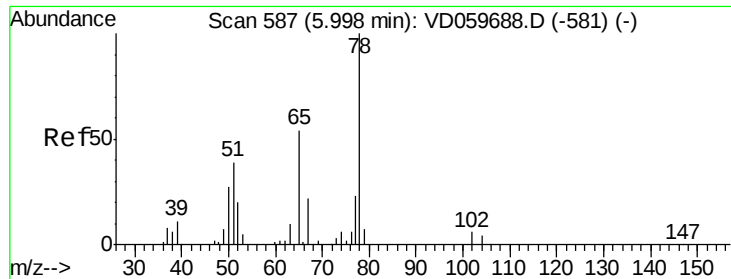
99 63.1 48.2 72.2

61 44.0 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

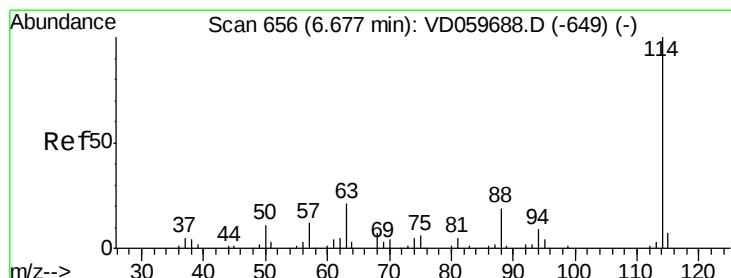
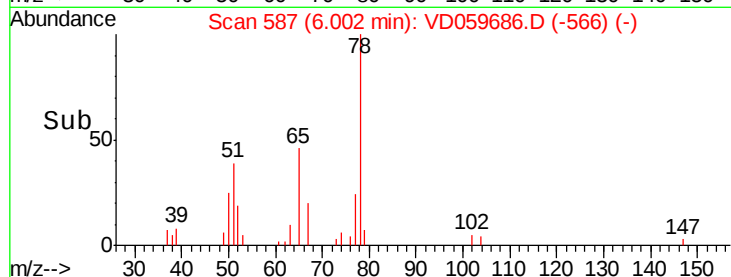
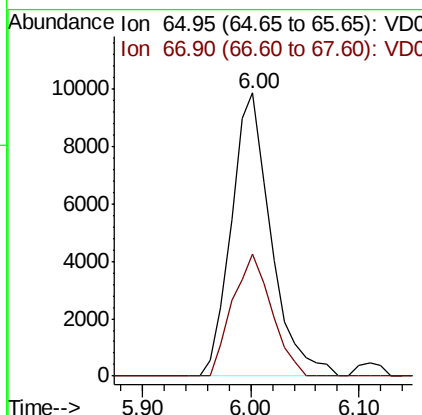
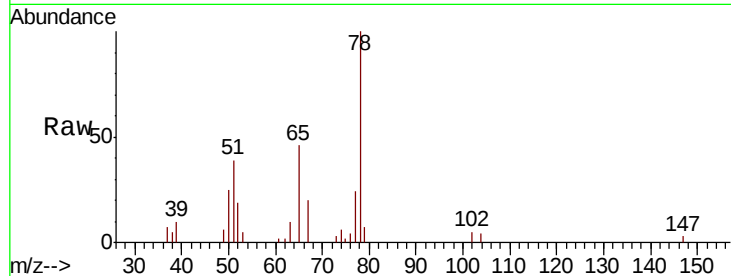




#33
 1,2-Dichloroethane-d4
 Concen: 9.76 ug/l
 RT: 6.00 min Scan# 587
 Delta R.T. 0.00 min
 Lab File: VD059686.D
 Acq: 6 Aug 2018 11:08

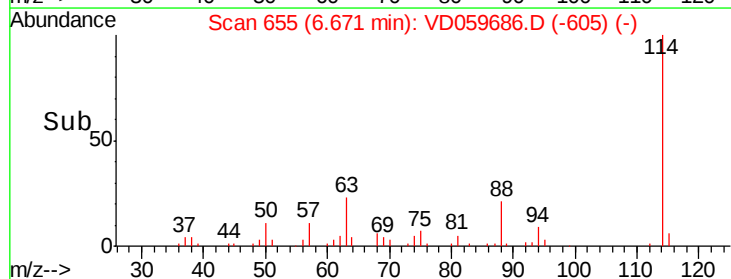
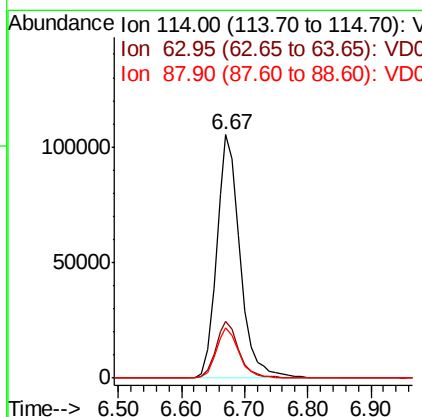
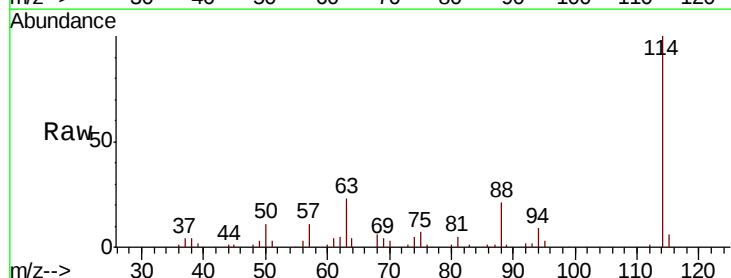
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC010

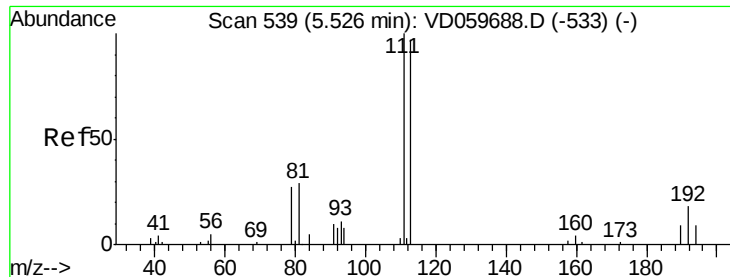
Tot Ion: 65 Resp: 25082
 Ion Ratio Lower Upper
 65 100
 67 43.2 0.0 80.4



#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 6.67 min Scan# 655
 Delta R.T. -0.01 min
 Lab File: VD059686.D
 Acq: 6 Aug 2018 11:08

Tgt Ion: 114 Resp: 271141
 Ion Ratio Lower Upper
 114 100
 63 23.2 0.0 42.6
 88 20.8 0.0 38.8

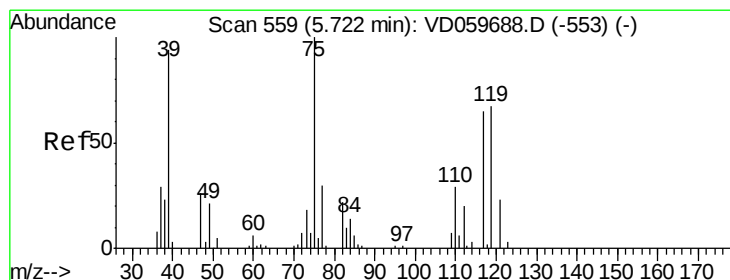
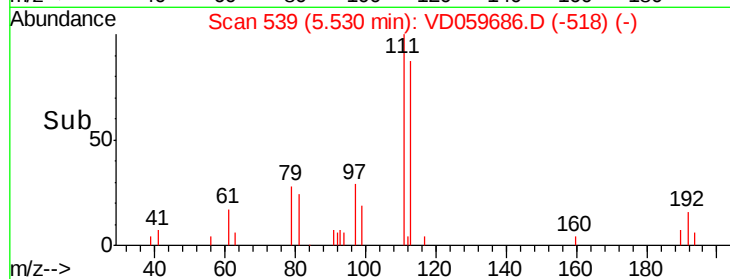
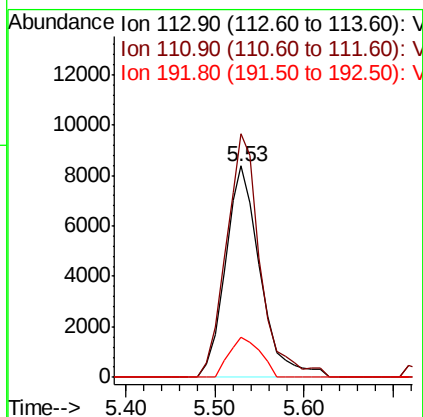
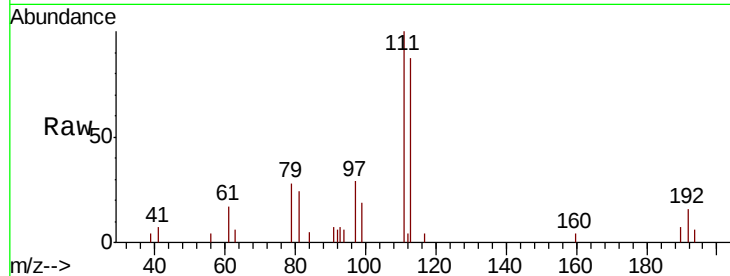




#35
 Dibromofluoromethane
 Concen: 50.00 ug/l
 RT: 5.53 min Scan# 539
 Delta R.T. 0.00 min
 Lab File: VD059686.D
 Acq: 6 Aug 2018 11:08

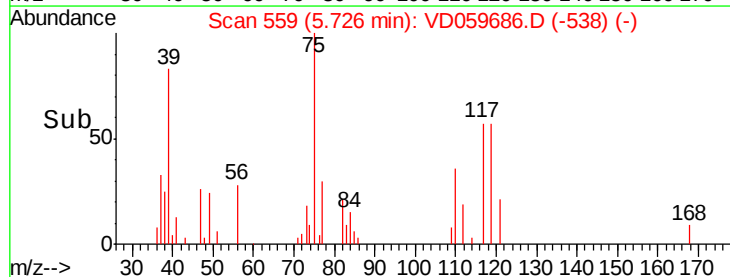
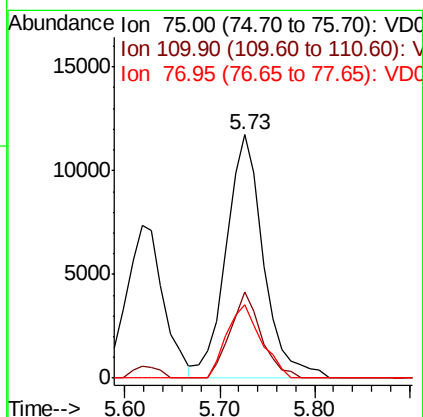
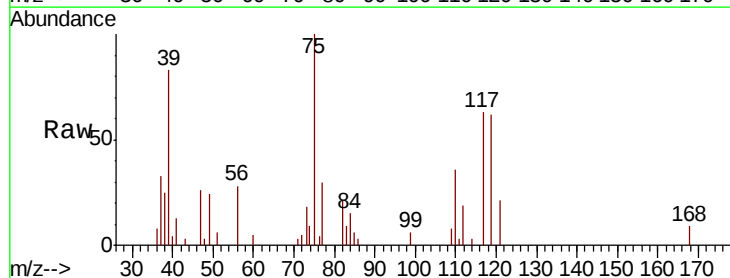
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC010

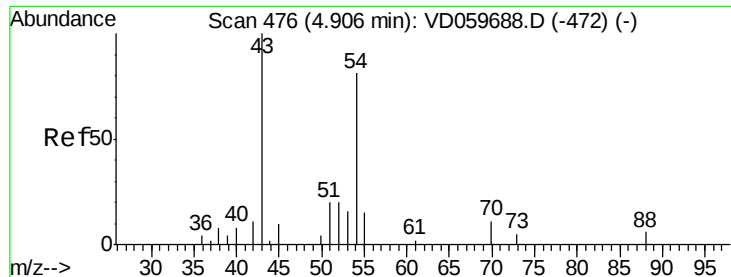
Tot Ion:113 Resp: 22851
 Ion Ratio Lower Upper
 113 100
 111 115.3 82.8 124.2
 192 18.7 14.6 22.0



#36
 1,1-Dichloropropene
 Concen: 10.57 ug/l
 RT: 5.73 min Scan# 559
 Delta R.T. 0.00 min
 Lab File: VD059686.D
 Acq: 6 Aug 2018 11:08

Tgt Ion: 75 Resp: 32028
 Ion Ratio Lower Upper
 75 100
 110 35.5 14.1 42.3
 77 30.1 23.9 35.9

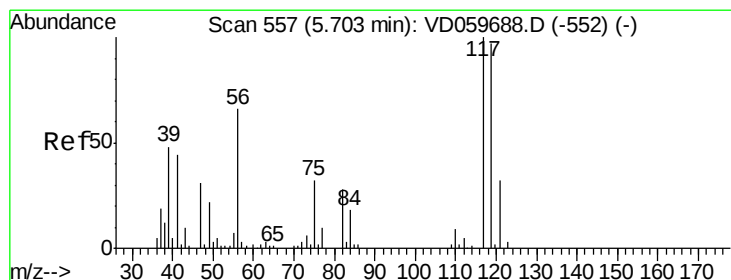
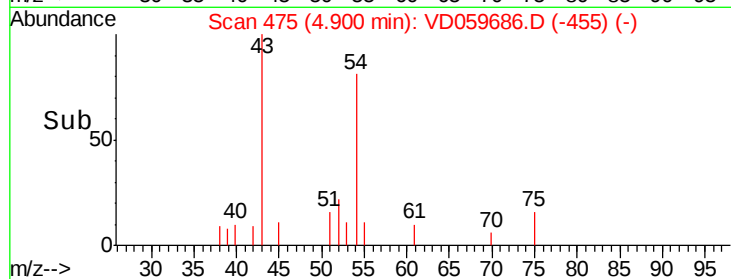
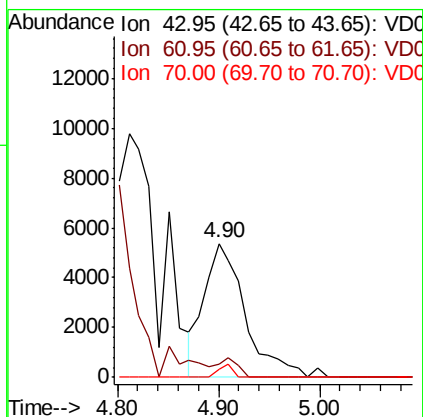
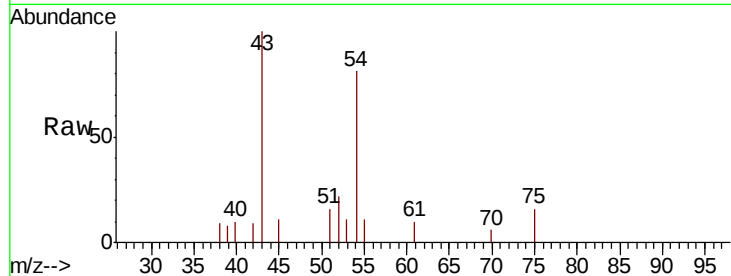




#37
Ethyl Acetate
Concen: 10.75 ug/l
RT: 4.90 min Scan# 475
Delta R.T. -0.01 min
Lab File: VD059686.D
Acq: 6 Aug 2018 11:08

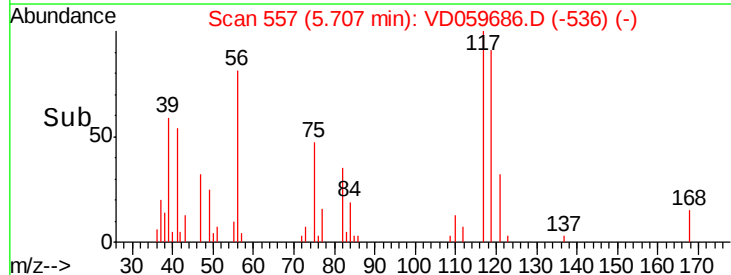
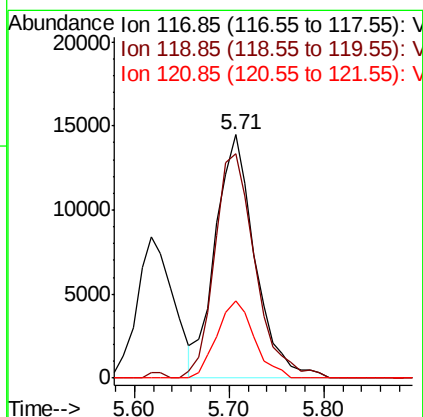
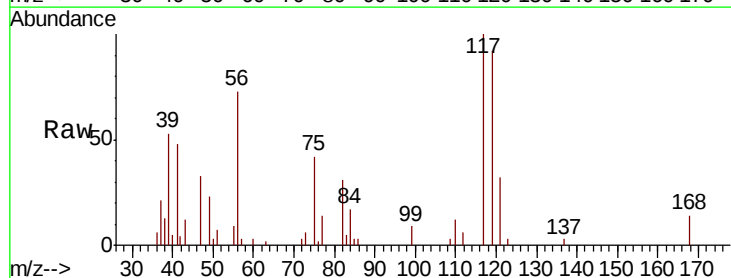
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC010

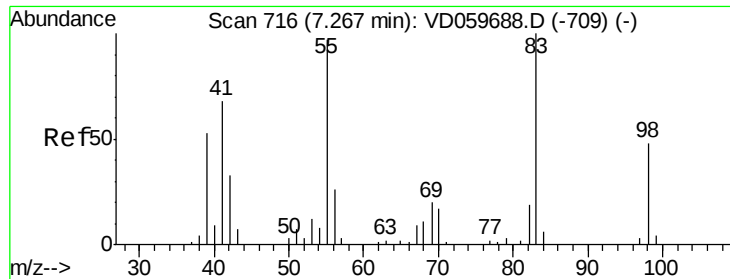
Tot Ion: 43 Resp: 15322
Ion Ratio Lower Upper
43 100
61 10.3 10.1 15.1
70 5.7 5.4 8.2



#38
Carbon Tetrachloride
Concen: 10.24 ug/l
RT: 5.71 min Scan# 557
Delta R.T. 0.00 min
Lab File: VD059686.D
Acq: 6 Aug 2018 11:08

Tgt Ion: 117 Resp: 42020
Ion Ratio Lower Upper
117 100
119 92.0 75.3 112.9
121 31.8 24.4 36.6

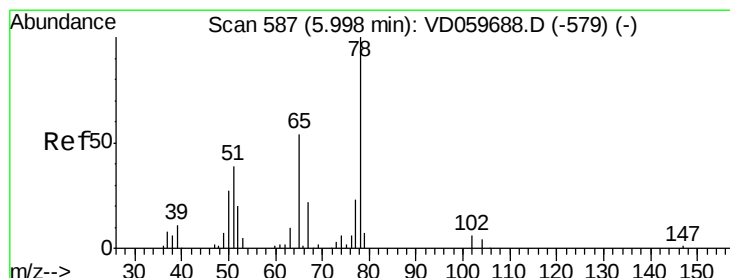
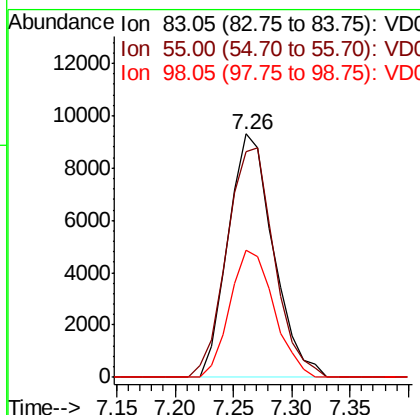
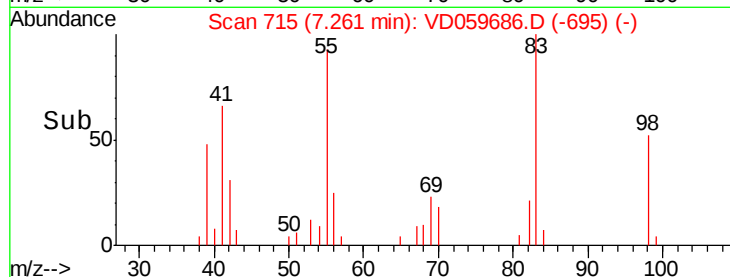
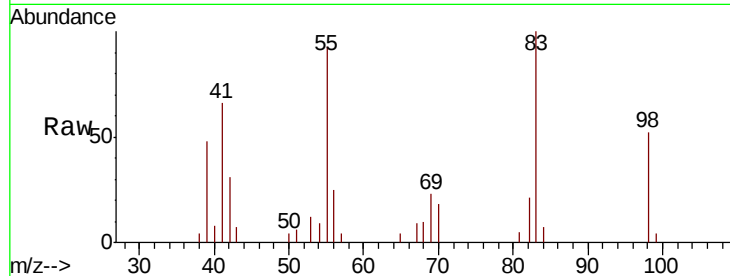




#39
Methvlcvclohexane
Concen: 9.96 ug/l
RT: 7.26 min Scan# 715
Delta R.T. -0.01 min
Lab File: VD059686.D
Acq: 6 Aug 2018 11:08

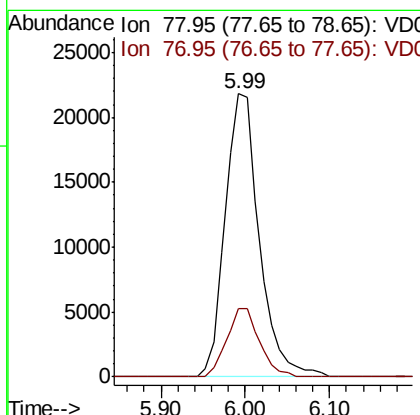
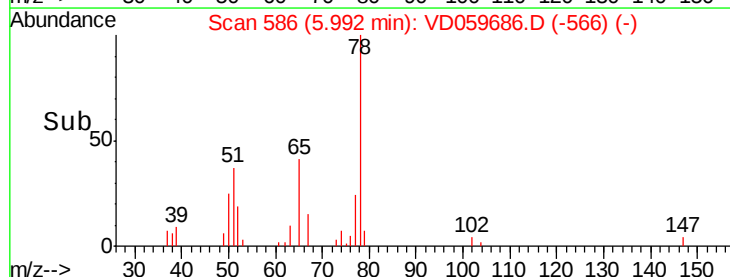
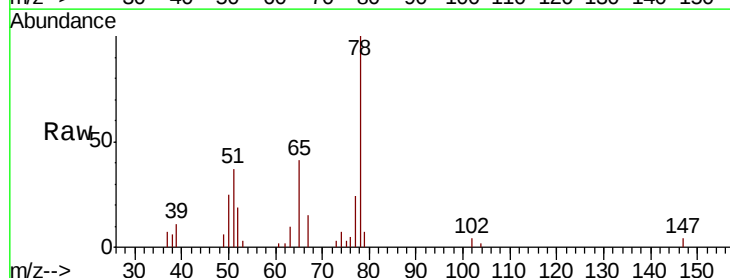
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC010

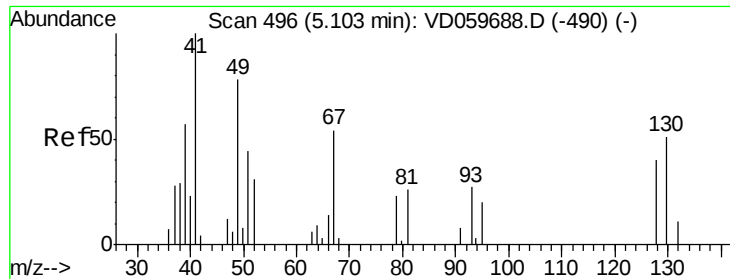
Tot Ion: 83 Resp: 24981
Ion Ratio Lower Upper
83 100
55 92.9 77.7 116.5
98 52.3 38.7 58.1



#40
Benzene
Concen: 10.50 ug/l
RT: 5.99 min Scan# 586
Delta R.T. -0.01 min
Lab File: VD059686.D
Acq: 6 Aug 2018 11:08

Tgt Ion: 78 Resp: 61364
Ion Ratio Lower Upper
78 100
77 24.3 18.4 27.6

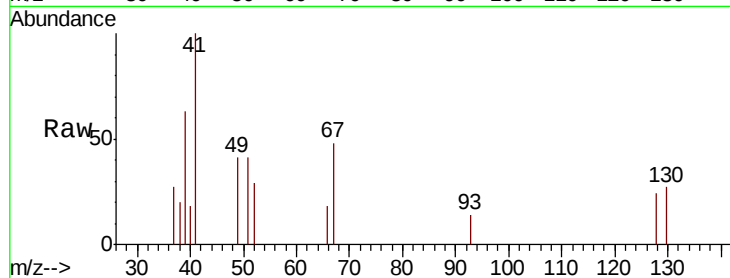




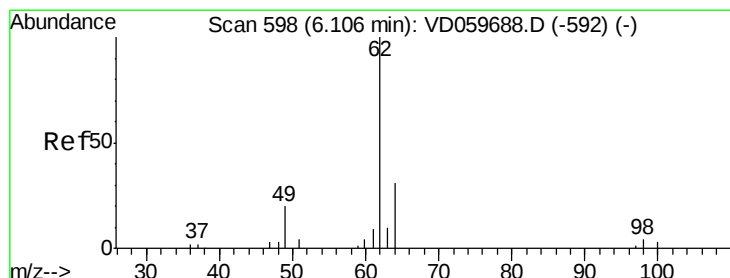
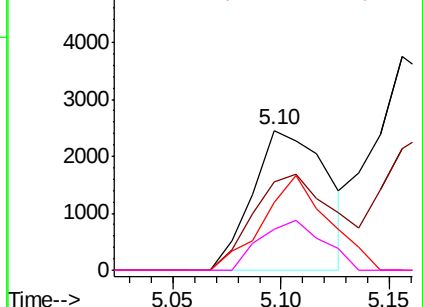
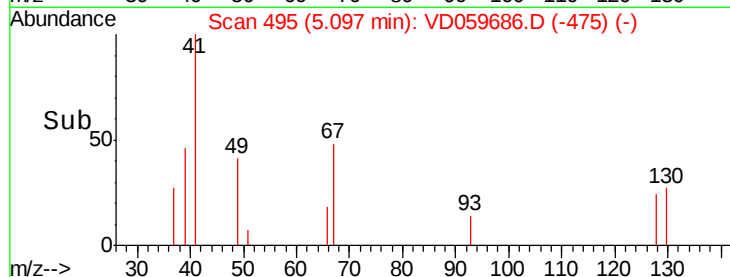
#41
Methacrylonitrile
Concen: 8.55 ug/l
RT: 5.10 min Scan# 495
Delta R.T. -0.01 min
Lab File: VD059686.D
Acq: 6 Aug 2018 11:08

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC010

Tot Ion: 41 Resp: 5905
Ion Ratio Lower Upper
41 100
39 63.2 45.8 68.8
67 48.4 43.4 65.2
52 29.0 24.6 37.0

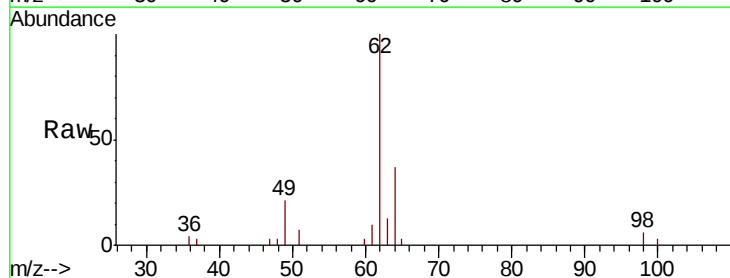


Abundance Ion 40.95 (40.65 to 41.65): VDC
Ion 38.95 (38.65 to 39.65): VDC
Ion 67.00 (66.70 to 67.70): VDC
Ion 52.00 (51.70 to 52.70): VDC

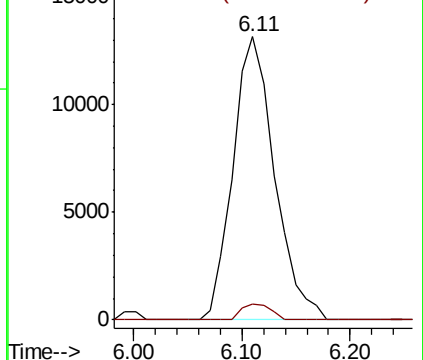
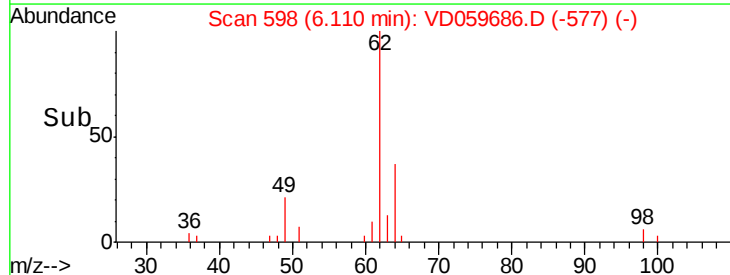


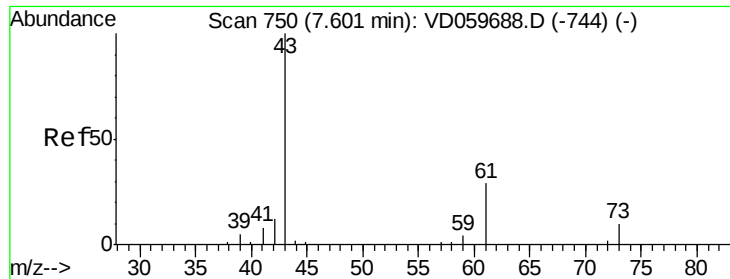
#42
1,2-Dichloroethane
Concen: 9.77 ug/l
RT: 6.11 min Scan# 598
Delta R.T. 0.00 min
Lab File: VD059686.D
Acq: 6 Aug 2018 11:08

Tgt Ion: 62 Resp: 35138
Ion Ratio Lower Upper
62 100
98 5.7 0.0 8.8



Abundance Ion 61.95 (61.65 to 62.65): VDC
Ion 97.85 (97.55 to 98.55): VDC





#43

Isopropyl Acetate

Concen: 9.53 ug/l

RT: 7.61 min Scan# 750

Delta R.T. 0.00 min

Lab File: VD059686.D

Acq: 6 Aug 2018 11:08

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC010

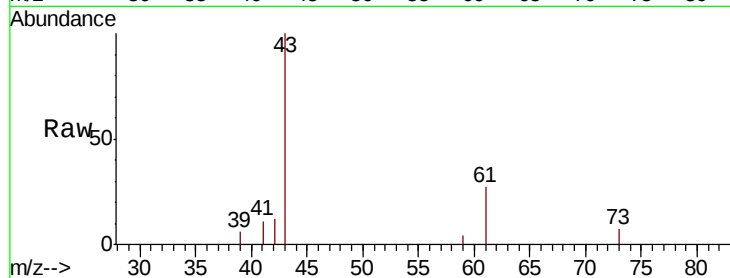
Tot Ion: 43 Resp: 18007

Ion Ratio Lower Upper

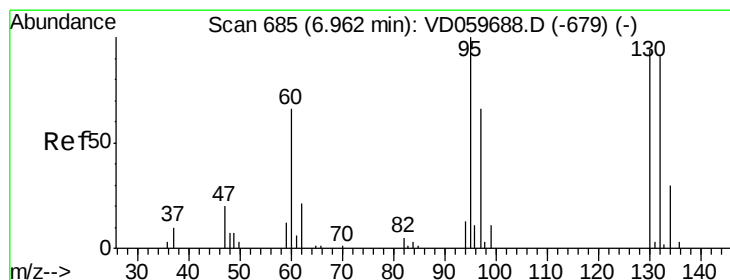
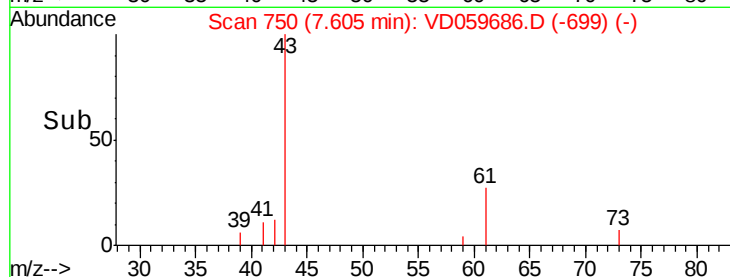
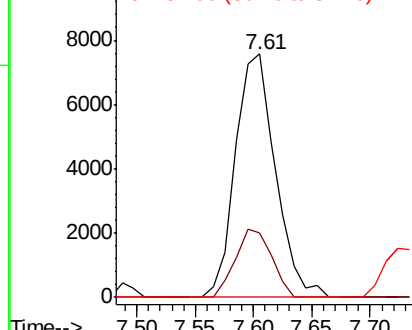
43 100

61 26.6 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: 10.17 ug/l

RT: 6.97 min Scan# 685

Delta R.T. 0.00 min

Lab File: VD059686.D

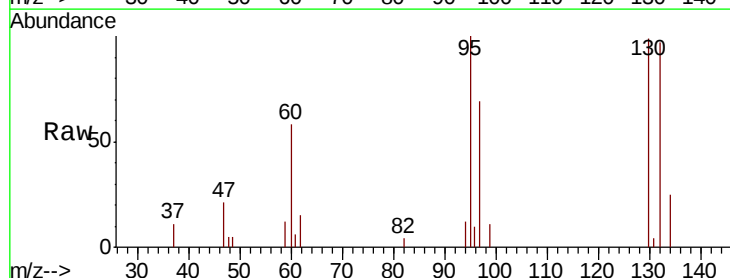
Acq: 6 Aug 2018 11:08

Tgt Ion: 130 Resp: 21679

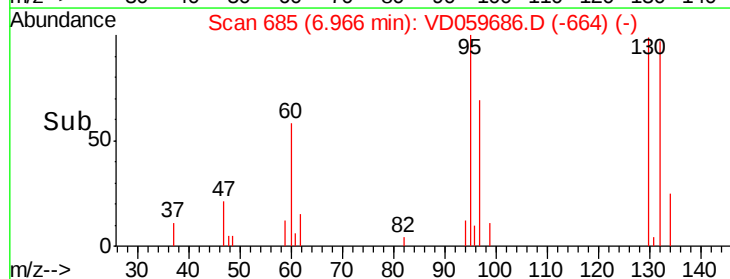
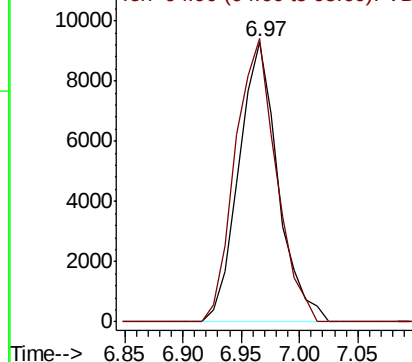
Ion Ratio Lower Upper

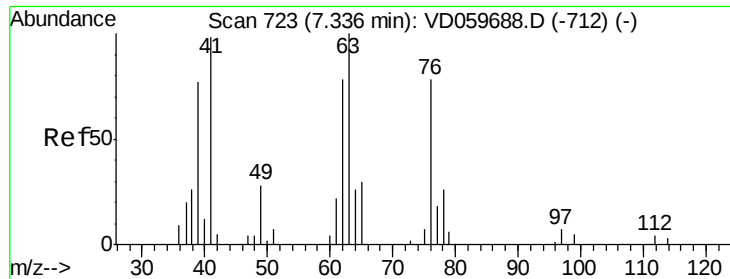
130 100

95 101.2 0.0 212.8



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

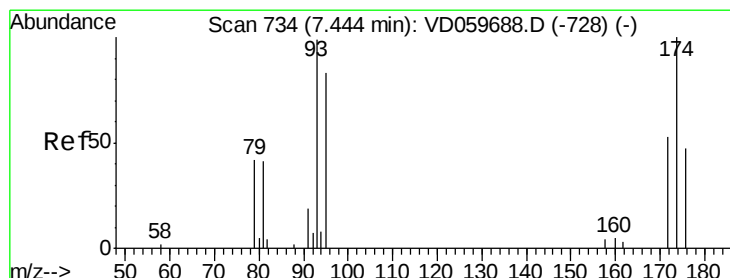
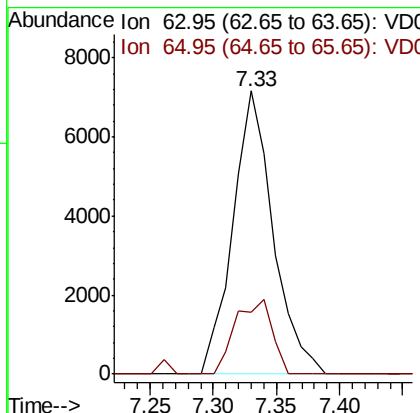
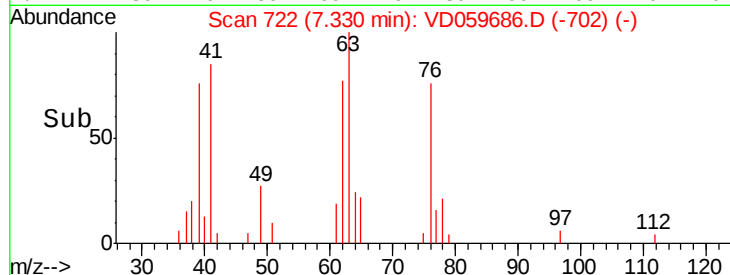
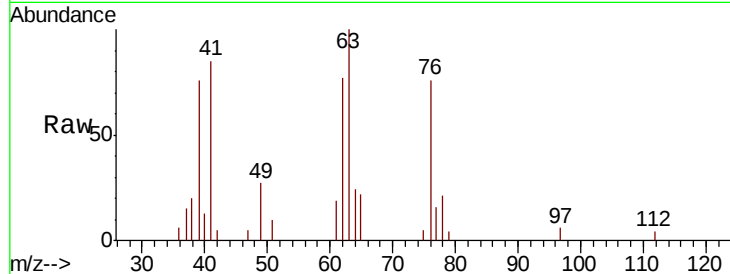




#45
 1,2-Dichloropropane
 Concen: 10.47 ug/l
 RT: 7.33 min Scan# 722
 Delta R.T. -0.01 min
 Lab File: VD059686.D
 Acq: 6 Aug 2018 11:08

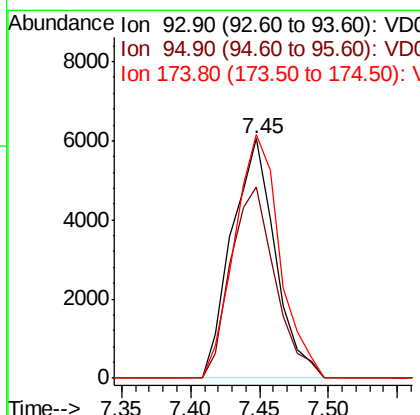
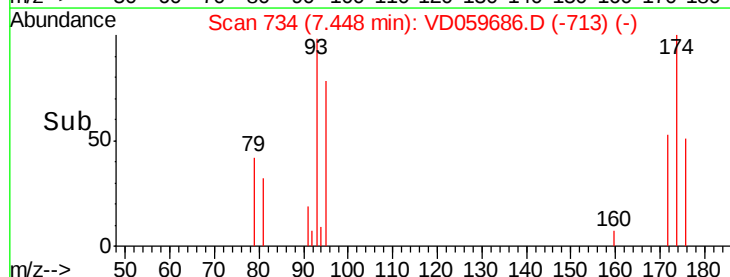
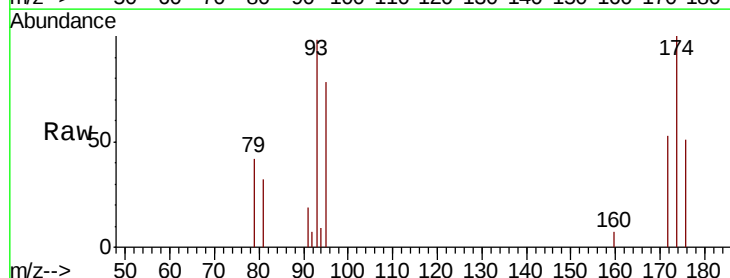
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC010

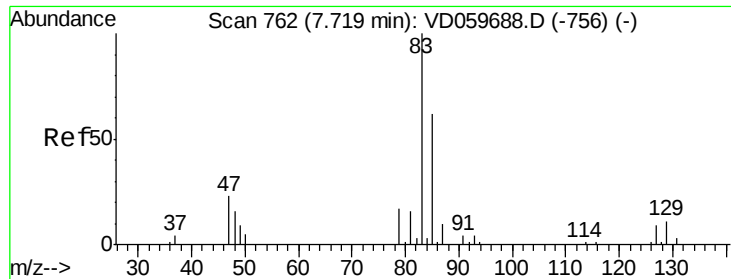
Tot Ion: 63 Resp: 15807
 Ion Ratio Lower Upper
 63 100
 65 21.9 24.2 36.4#



#46
 Dibromomethane
 Concen: 9.99 ug/l
 RT: 7.45 min Scan# 734
 Delta R.T. 0.00 min
 Lab File: VD059686.D
 Acq: 6 Aug 2018 11:08

Tgt Ion: 93 Resp: 13271
 Ion Ratio Lower Upper
 93 100
 95 79.6 66.6 100.0
 174 101.6 80.6 120.8





#47

Bromodichloromethane

Concen: 10.40 ug/l

RT: 7.72 min Scan# 762

Delta R.T. 0.00 min

Lab File: VD059686.D

Acq: 6 Aug 2018 11:08

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC010

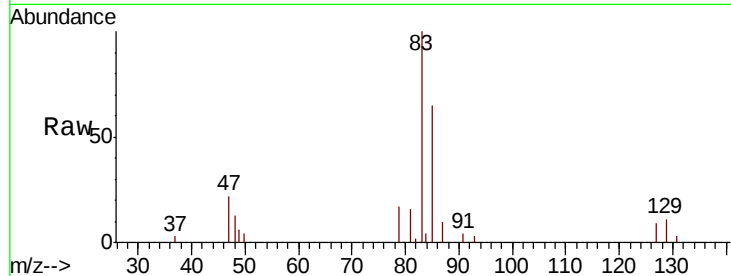
Tot Ion: 83 Resp: 35424

Ion Ratio Lower Upper

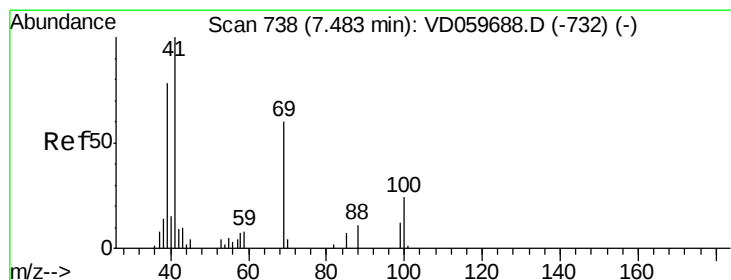
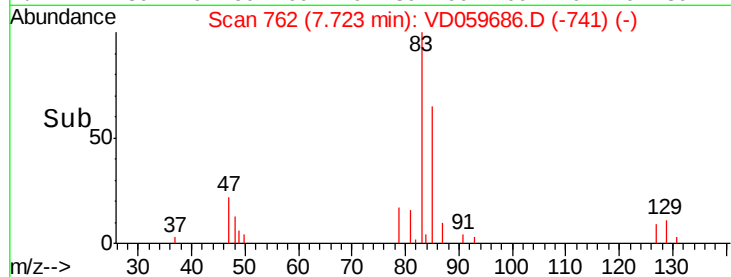
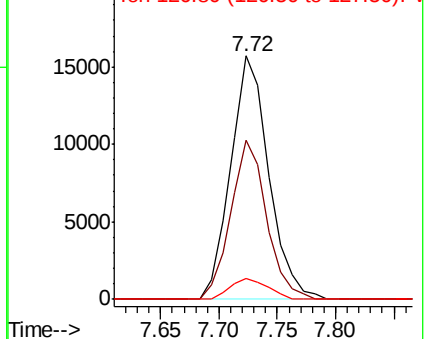
83 100

85 65.1 49.8 74.8

127 8.6 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: 9.63 ug/l

RT: 7.49 min Scan# 738

Delta R.T. 0.00 min

Lab File: VD059686.D

Acq: 6 Aug 2018 11:08

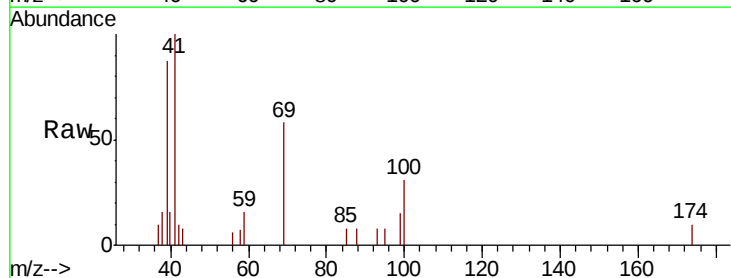
Tgt Ion: 41 Resp: 12053

Ion Ratio Lower Upper

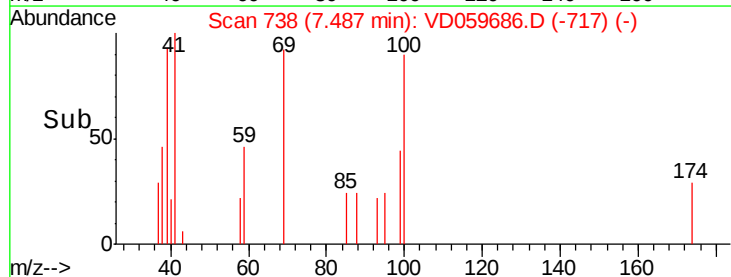
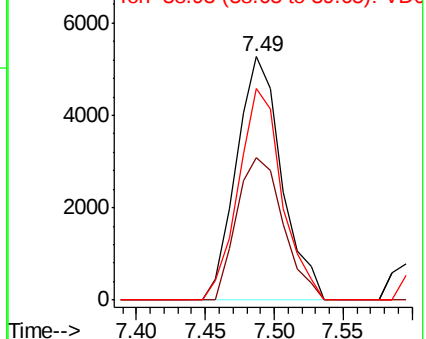
41 100

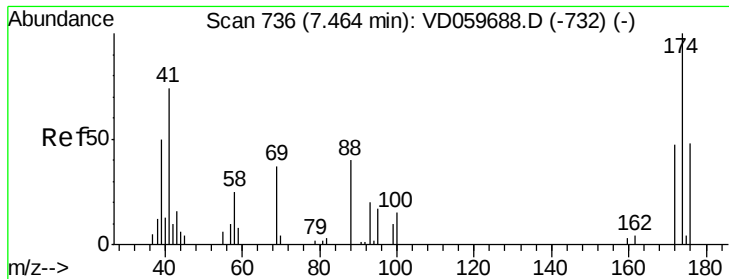
69 58.4 47.3 70.9

39 86.8 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

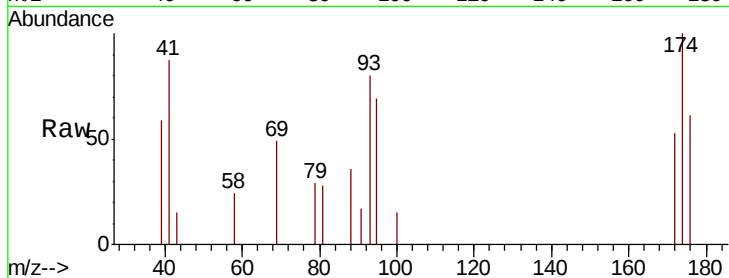




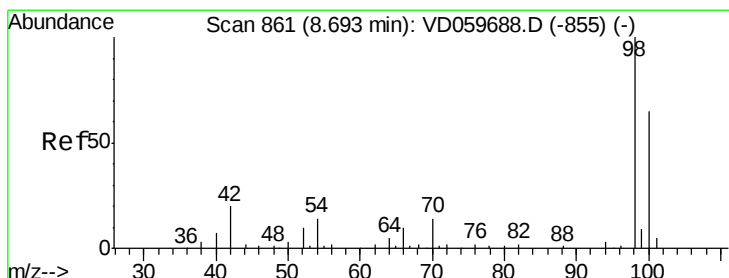
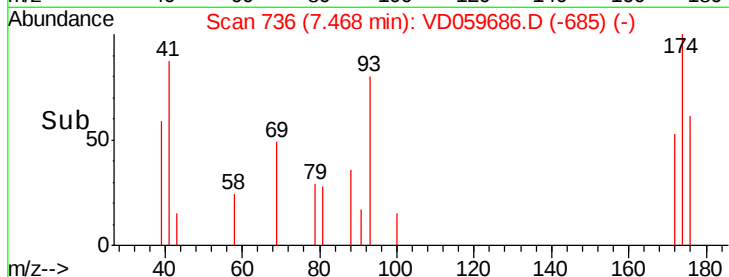
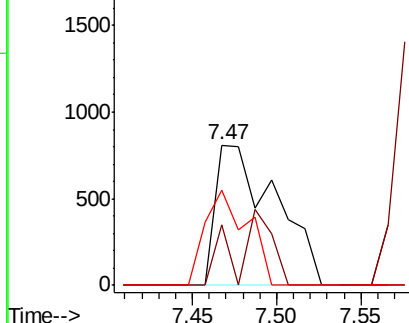
#49
 1,4-Dioxane
 Concen: 204.87 ug/l
 RT: 7.47 min Scan# 736
 Delta R.T. 0.00 min
 Lab File: VD059686.D
 Acq: 6 Aug 2018 11:08

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC010

Tot Ion: 88 Resp: 1994
 Ion Ratio Lower Upper
 88 100
 43 42.9 32.2 48.2
 58 67.3 51.5 77.3

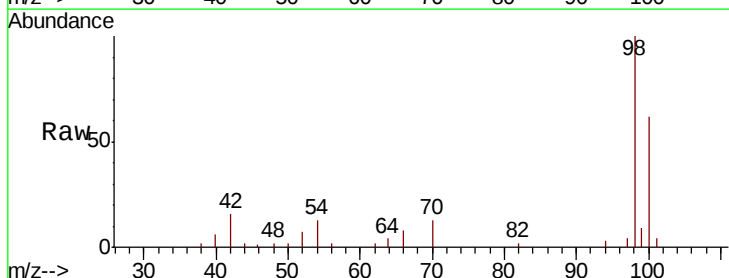


Abundance Ion 88.00 (87.70 to 88.70): VDC
 Ion 43.05 (42.75 to 43.75): VDC
 Ion 57.95 (57.65 to 58.65): VDC

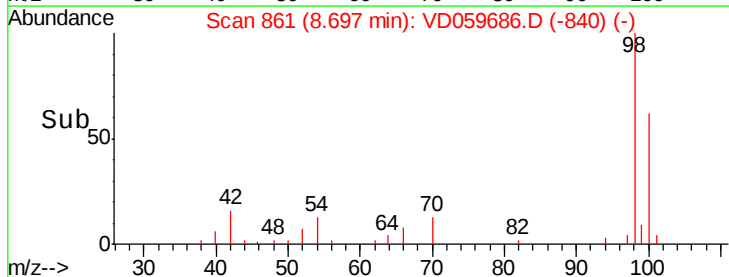
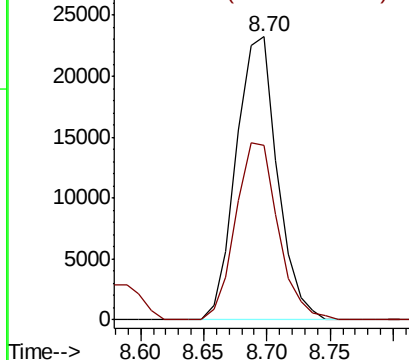


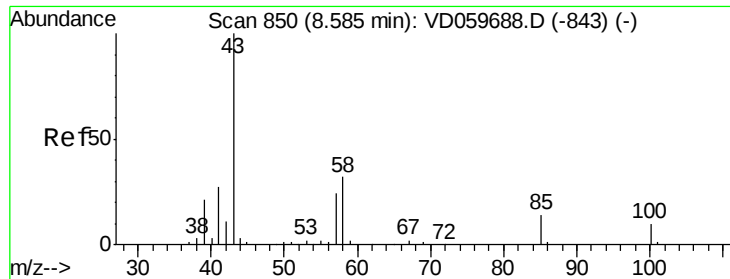
#50
 Toluene-d8
 Concen: 204.87 ug/l
 RT: 8.70 min Scan# 861
 Delta R.T. 0.00 min
 Lab File: VD059686.D
 Acq: 6 Aug 2018 11:08

Tgt Ion: 98 Resp: 52666
 Ion Ratio Lower Upper
 98 100
 100 61.6 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: 47.23 ug/l

RT: 8.58 min Scan# 849

Delta R.T. -0.01 min

Lab File: VD059686.D

Acq: 6 Aug 2018 11:08

Instrument :

MSVOA_D

ClientSampleId :

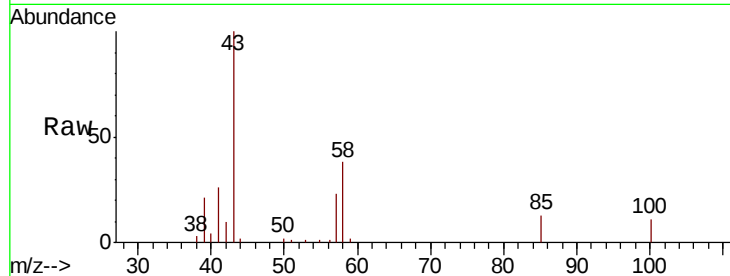
VSTDIC010

Tot Ion: 43 Resp: 64962

Ion Ratio Lower Upper

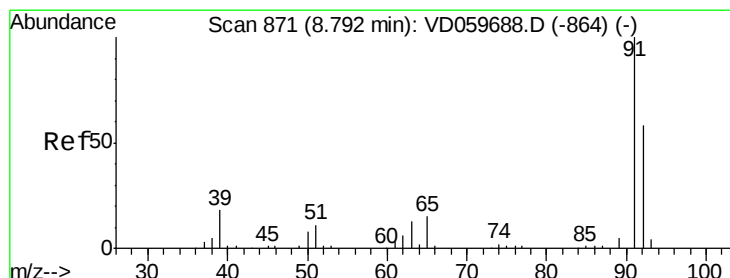
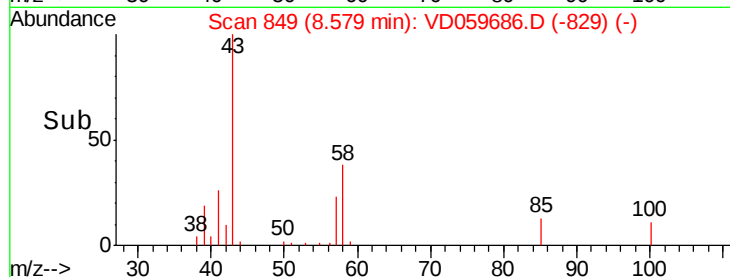
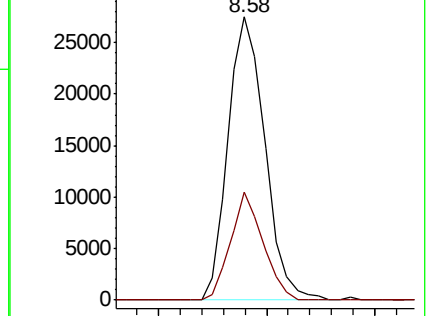
43 100

58 38.1 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: 10.17 ug/l

RT: 8.79 min Scan# 870

Delta R.T. -0.01 min

Lab File: VD059686.D

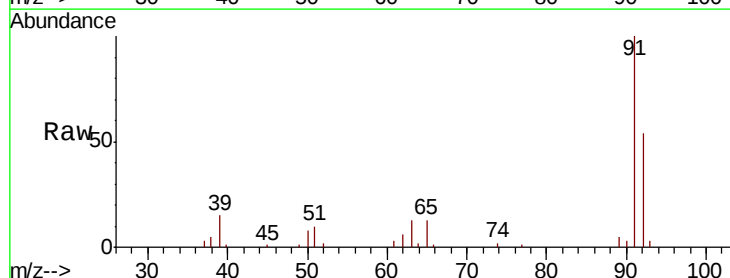
Acq: 6 Aug 2018 11:08

Tgt Ion: 92 Resp: 37436

Ion Ratio Lower Upper

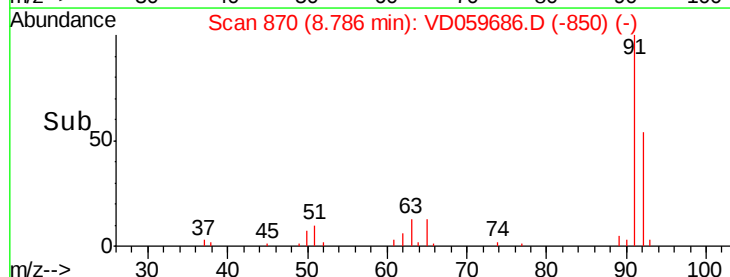
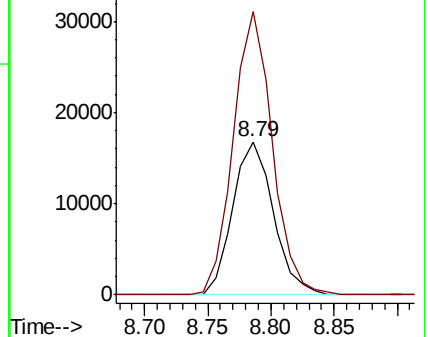
92 100

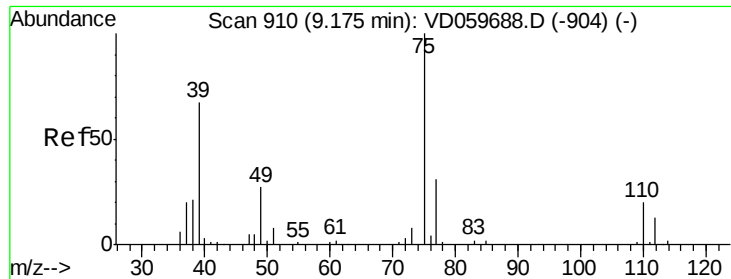
91 184.9 137.0 205.6



Abundance Ion 92.00 (91.70 to 92.70): VDC

Ion 91.00 (90.70 to 91.70): VDC

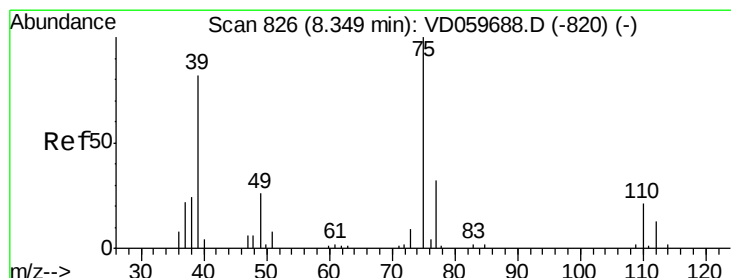
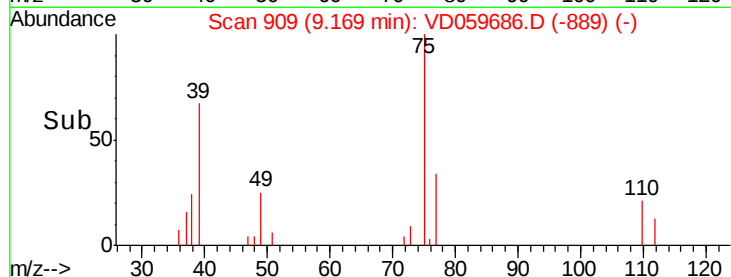
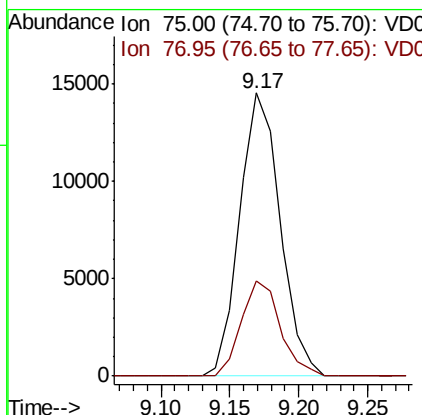
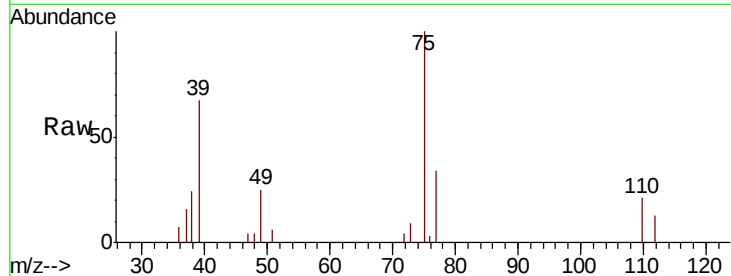




#53
t-1,3-Dichloropropene
Concen: 10.31 ug/l
RT: 9.17 min Scan# 909
Delta R.T. -0.01 min
Lab File: VD059686.D
Acq: 6 Aug 2018 11:08

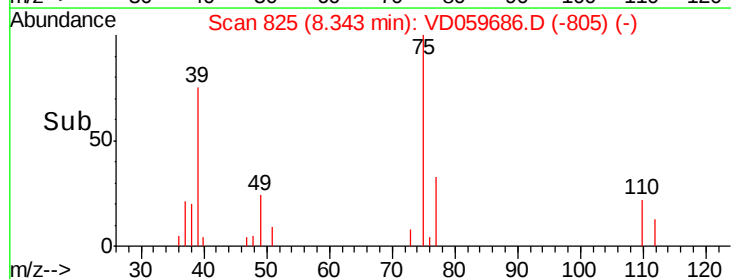
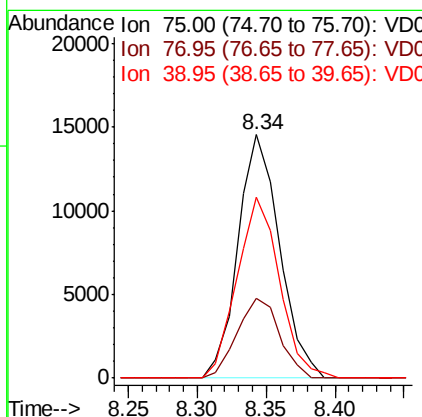
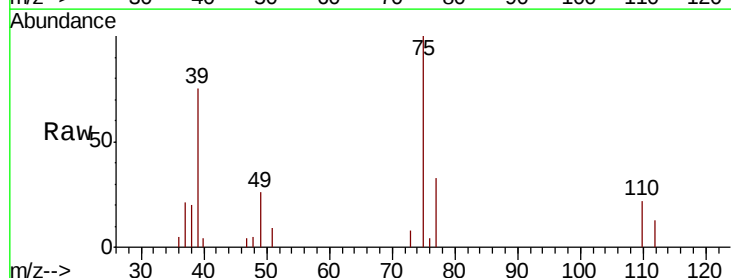
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC010

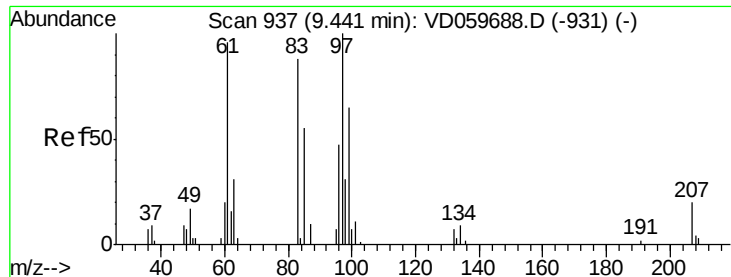
Tot Ion: 75 Resp: 29742
Ion Ratio Lower Upper
75 100
77 33.7 24.7 37.1



#54
cis-1,3-Dichloropropene
Concen: 10.48 ug/l
RT: 8.34 min Scan# 825
Delta R.T. -0.01 min
Lab File: VD059686.D
Acq: 6 Aug 2018 11:08

Tgt Ion: 75 Resp: 30506
Ion Ratio Lower Upper
75 100
77 32.6 25.5 38.3
39 74.5 65.4 98.2





#55

1,1,2-Trichloroethane

Concen: 10.87 ug/l

RT: 9.43 min Scan# 936

Delta R.T. -0.01 min

Lab File: VD059686.D

Acq: 6 Aug 2018 11:08

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC010

Tot Ion: 97 Resp: 15337

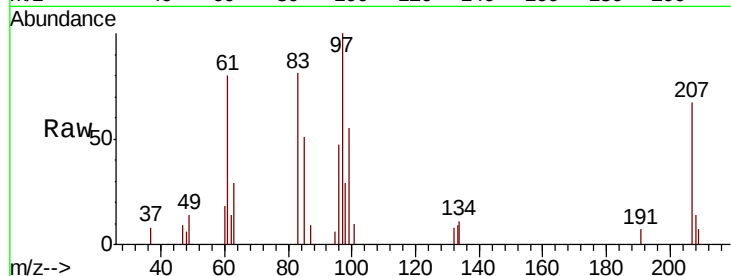
Ion Ratio Lower Upper

97 100

83 80.7 70.8 106.2

85 51.1 44.1 66.1

99 54.7 52.2 78.4

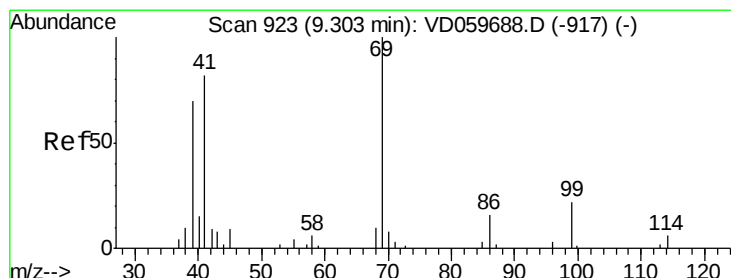
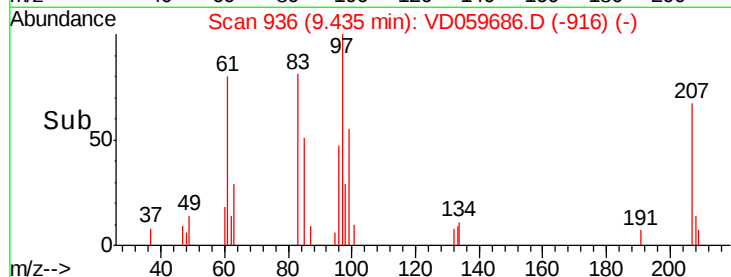
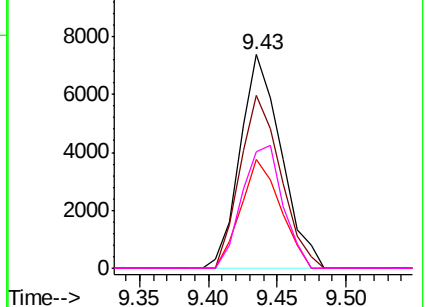


Abundance Ion 96.85 (96.55 to 97.55): VDC

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: 10.41 ug/l

RT: 9.30 min Scan# 922

Delta R.T. -0.01 min

Lab File: VD059686.D

Acq: 6 Aug 2018 11:08

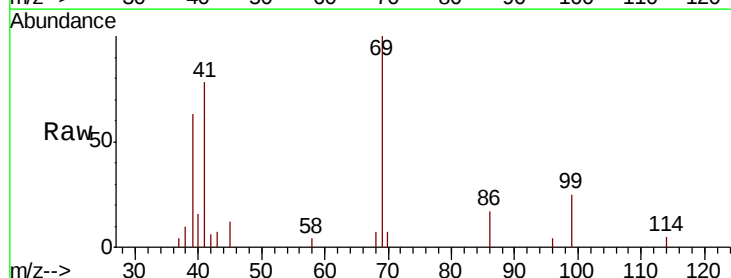
Tgt Ion: 69 Resp: 16611

Ion Ratio Lower Upper

69 100

41 78.0 65.7 98.5

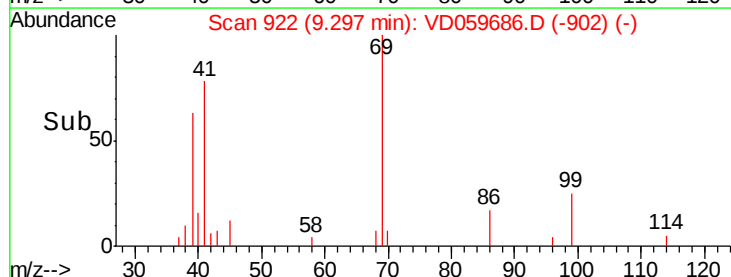
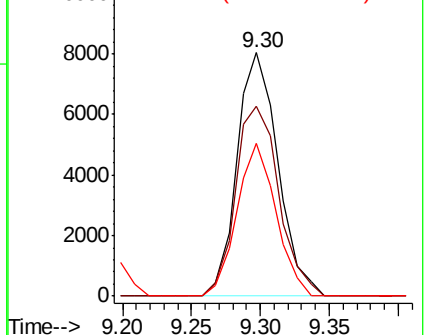
39 62.8 55.8 83.8

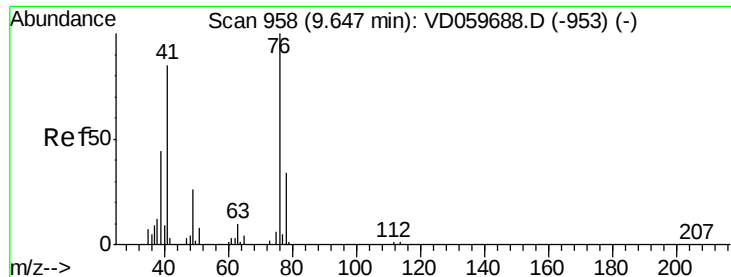


Abundance Ion 69.00 (68.70 to 69.70): VDC

Ion 41.05 (40.75 to 41.75): VDC

Ion 38.95 (38.65 to 39.65): VDC





#57

1,3-Dichloropropane

Concen: 10.70 ug/l

RT: 9.65 min Scan# 958

Delta R.T. 0.00 min

Lab File: VD059686.D

Acq: 6 Aug 2018 11:08

Instrument :

MSVOA_D

ClientSampleId :

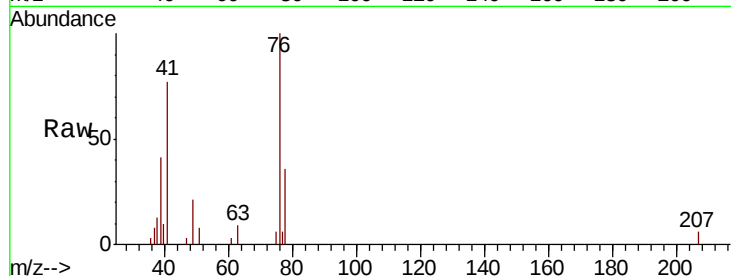
VSTDIC010

Tot Ion: 76 Resp: 24277

Ion Ratio Lower Upper

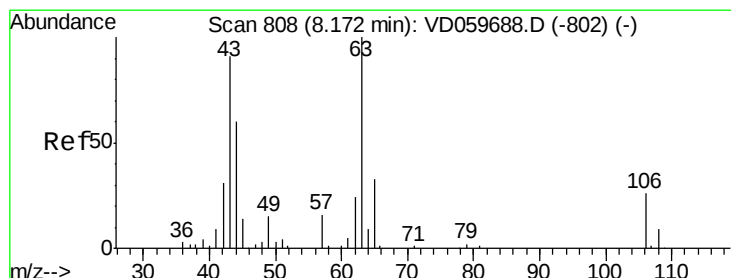
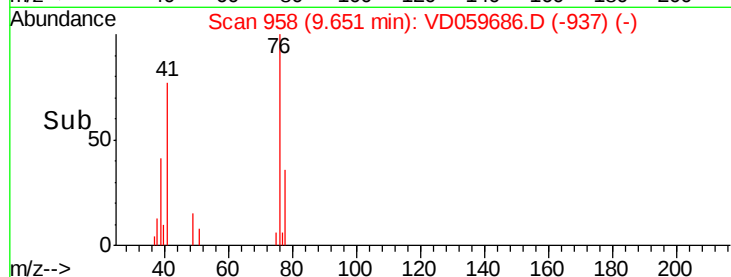
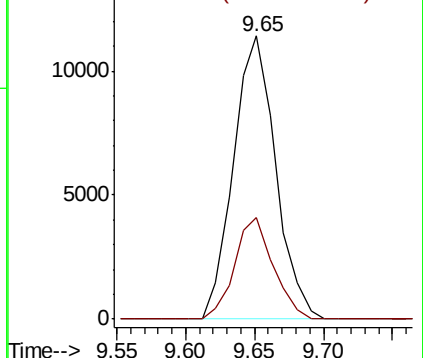
76 100

78 36.0 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: 52.75 ug/l

RT: 8.18 min Scan# 808

Delta R.T. 0.00 min

Lab File: VD059686.D

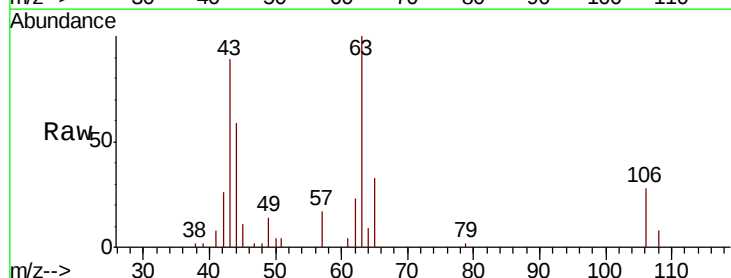
Acq: 6 Aug 2018 11:08

Tgt Ion: 63 Resp: 39739

Ion Ratio Lower Upper

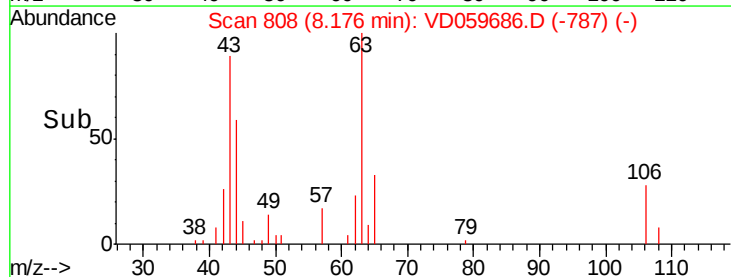
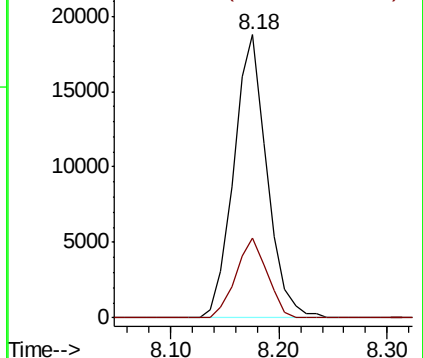
63 100

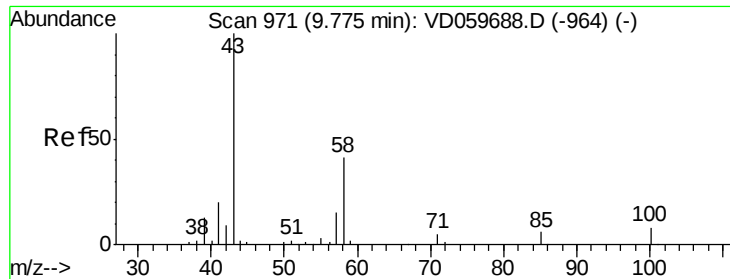
106 28.0 20.7 31.1



Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 105.95 (105.65 to 106.65): VDC

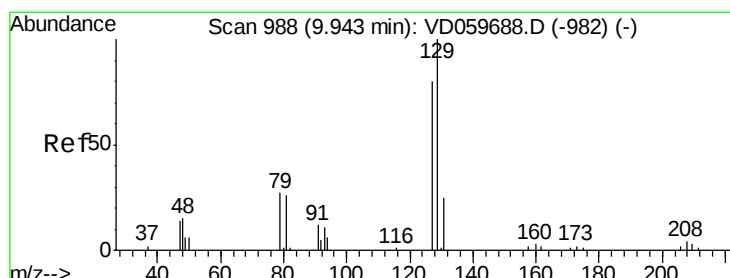
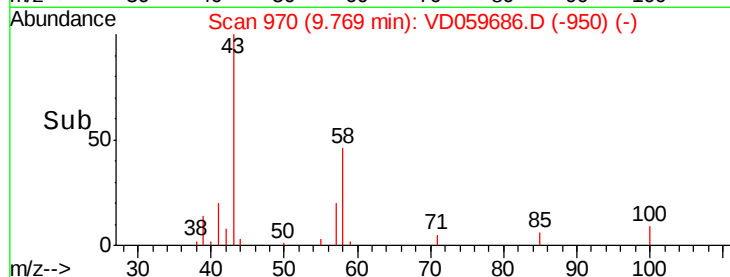
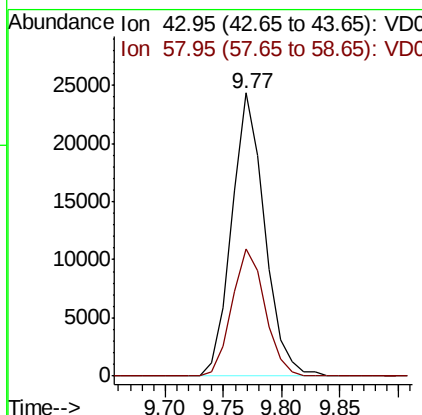
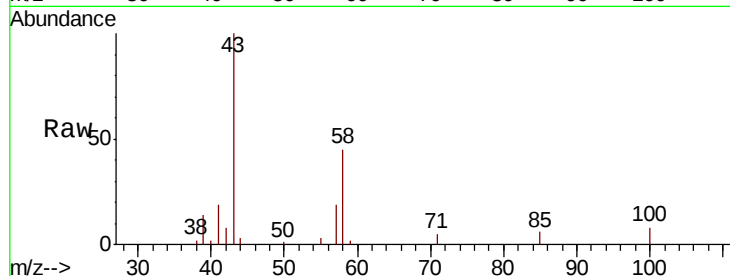




#59
2-Hexanone
Concen: 45.74 ug/l
RT: 9.77 min Scan# 970
Delta R.T. -0.01 min
Lab File: VD059686.D
Acq: 6 Aug 2018 11:08

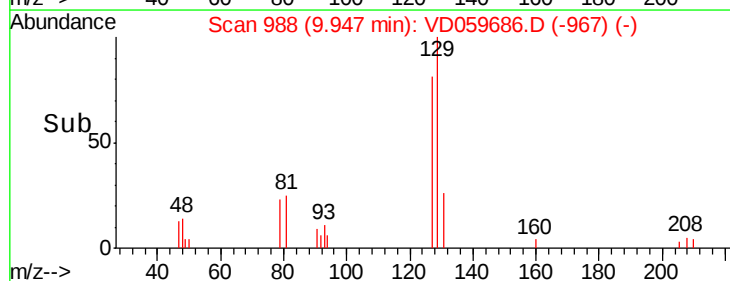
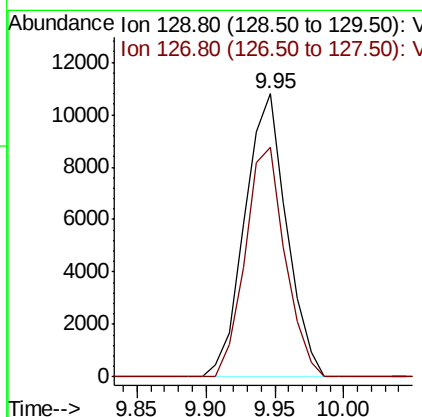
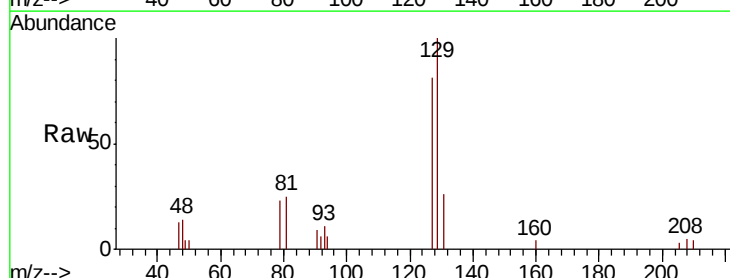
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC010

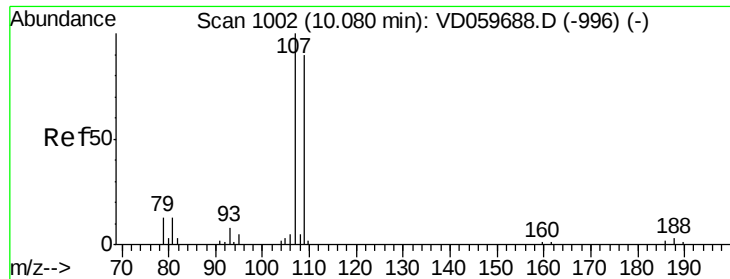
Tot Ion: 43 Resp: 47613
Ion Ratio Lower Upper
43 100
58 44.7 20.4 61.3



#60
Dibromochloromethane
Concen: 9.95 ug/l
RT: 9.95 min Scan# 988
Delta R.T. 0.00 min
Lab File: VD059686.D
Acq: 6 Aug 2018 11:08

Tgt Ion:129 Resp: 22838
Ion Ratio Lower Upper
129 100
127 81.3 40.0 119.9





#61

1,2-Dibromoethane

Concen: 10.05 ug/l

RT: 10.07 min Scan# 1001

Delta R.T. -0.01 min

Lab File: VD059686.D

Acq: 6 Aug 2018 11:08

Instrument :

MSVOA_D

ClientSampleId :

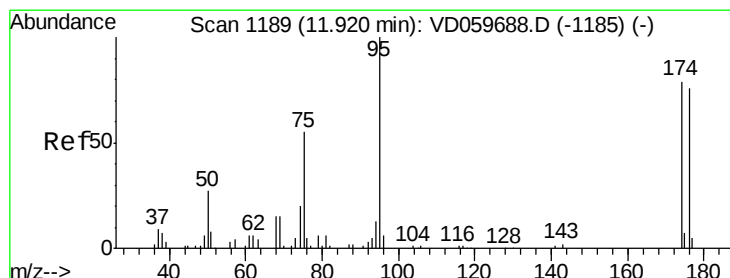
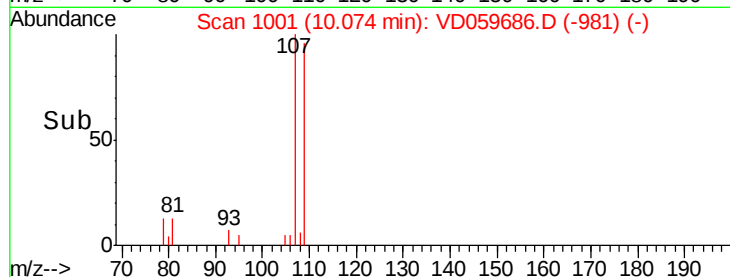
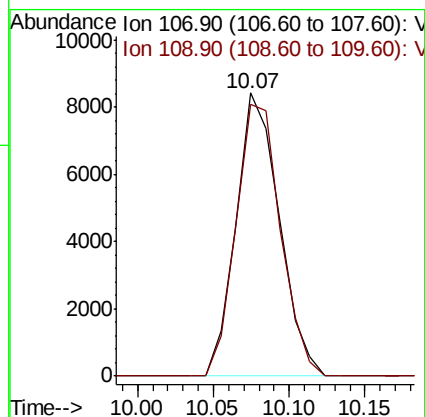
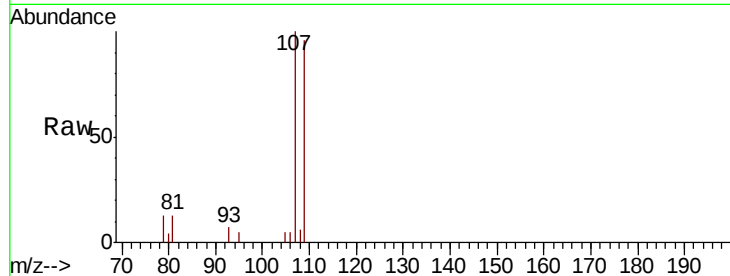
VSTDIC010

Tot Ion:107 Resp: 16708

Ion Ratio Lower Upper

107 100

109 96.2 72.0 108.0



#62

4-Bromofluorobenzene

Concen: 10.05 ug/l

RT: 11.92 min Scan# 1189

Delta R.T. 0.00 min

Lab File: VD059686.D

Acq: 6 Aug 2018 11:08

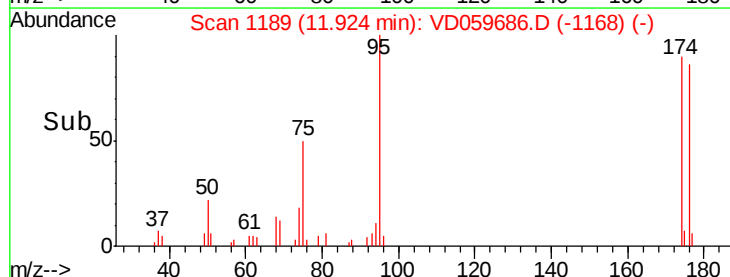
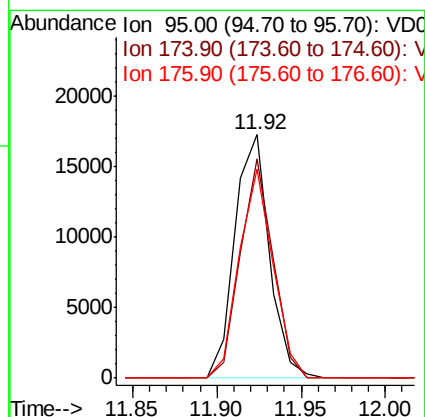
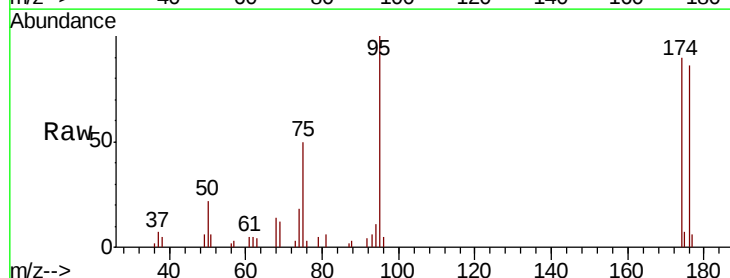
Tgt Ion: 95 Resp: 24577

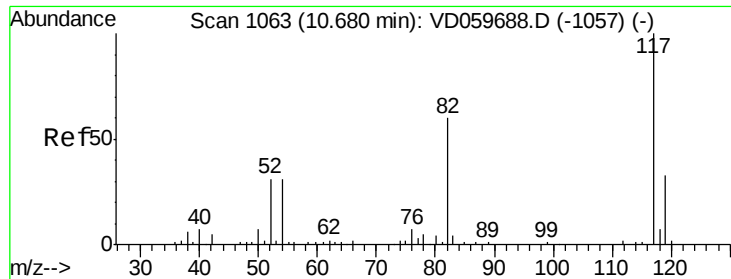
Ion Ratio Lower Upper

95 100

174 90.0 0.0 158.4

176 85.6 0.0 153.0





#63

Chlorobenzene-d5

Concen: 50.00 ug/l

RT: 10.67 min Scan# 1062

Delta R.T. -0.01 min

Lab File: VD059686.D

Acq: 6 Aug 2018 11:08

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC010

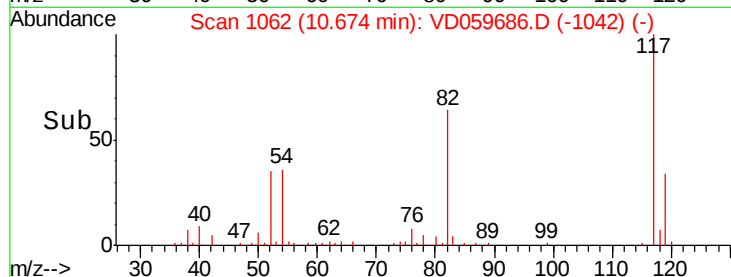
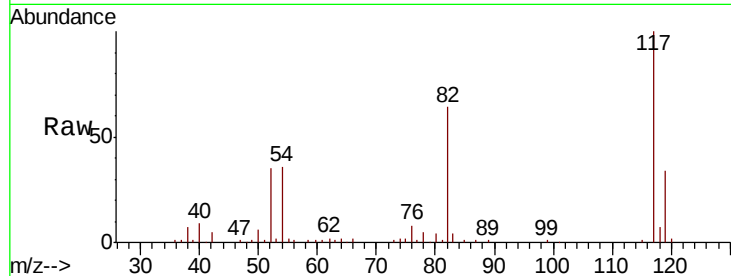
Tot Ion:117 Resp: 223151

Ion Ratio Lower Upper

117 100

82 64.3 47.7 71.5

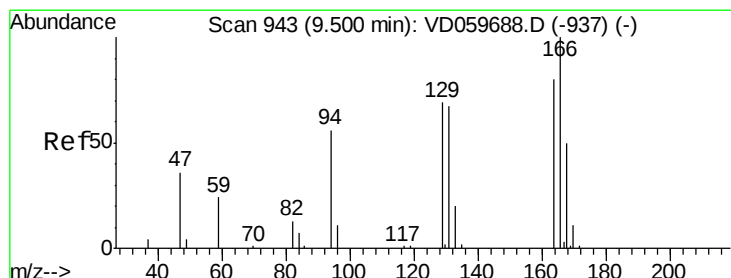
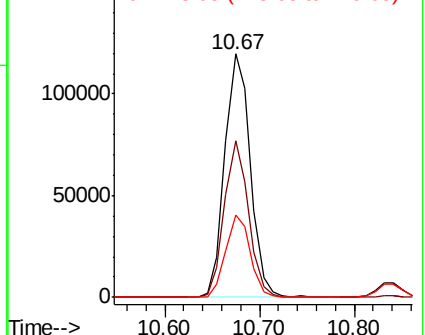
119 33.6 26.6 40.0



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: 9.96 ug/l

RT: 9.49 min Scan# 942

Delta R.T. -0.01 min

Lab File: VD059686.D

Acq: 6 Aug 2018 11:08

Tgt Ion:164 Resp: 20691

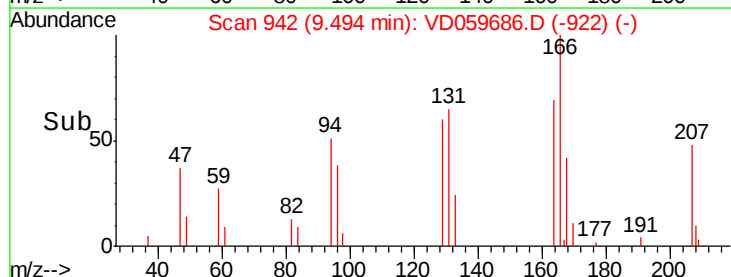
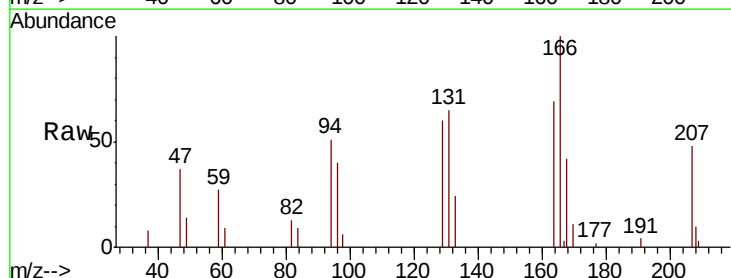
Ion Ratio Lower Upper

164 100

166 145.8 100.5 150.7

129 87.9 69.3 103.9

131 94.3 67.3 100.9

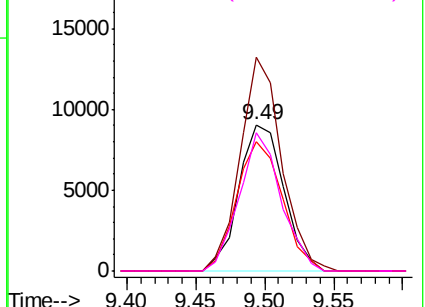


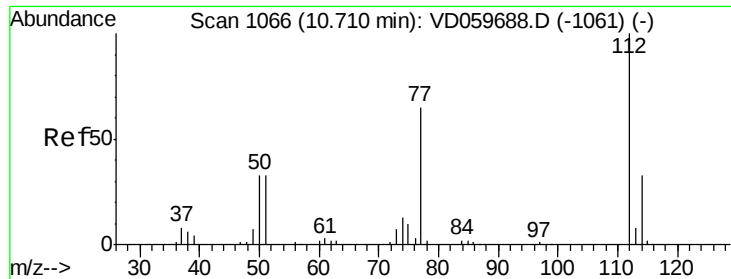
Abundance Ion 163.85 (163.55 to 164.55): V

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

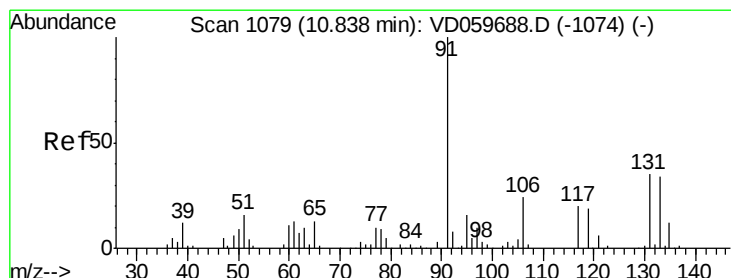
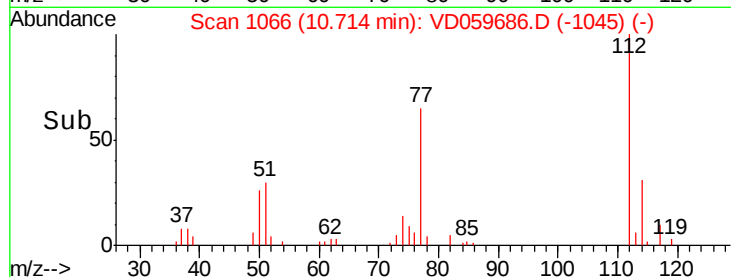
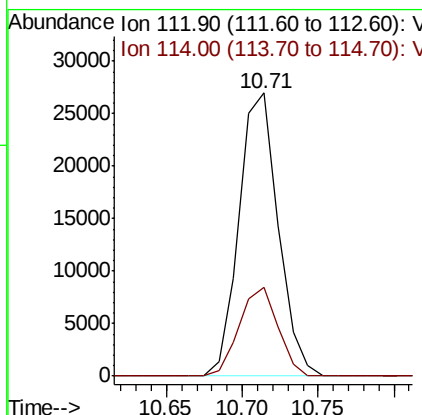
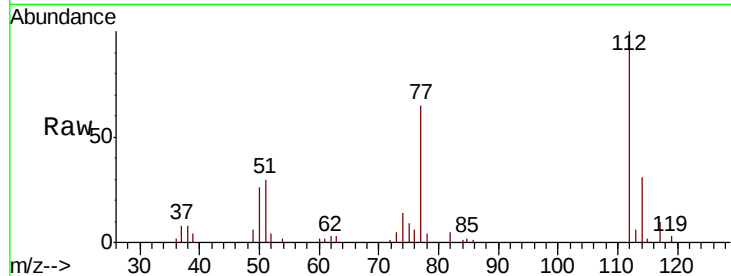




#65
Chlorobenzene
Concen: 10.69 ug/l
RT: 10.71 min Scan# 1066
Delta R.T. 0.00 min
Lab File: VD059686.D
Acq: 6 Aug 2018 11:08

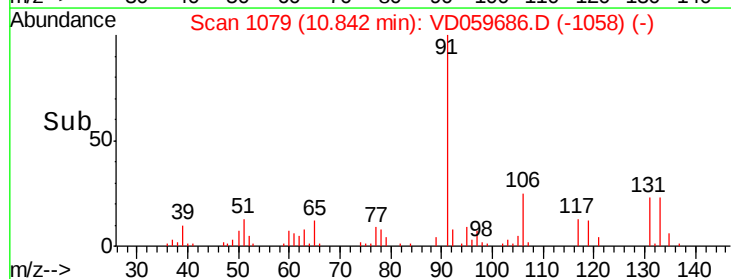
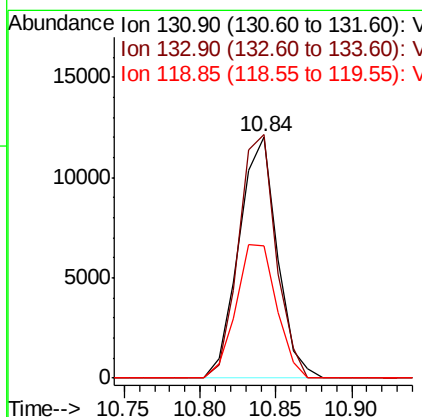
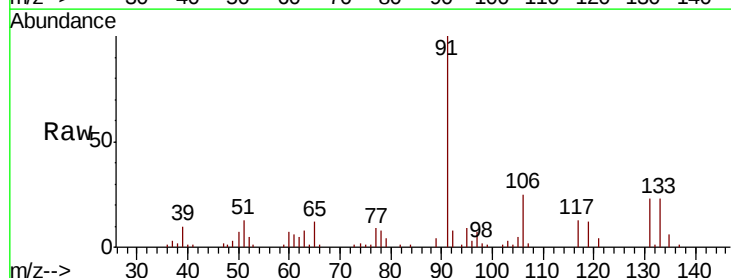
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC010

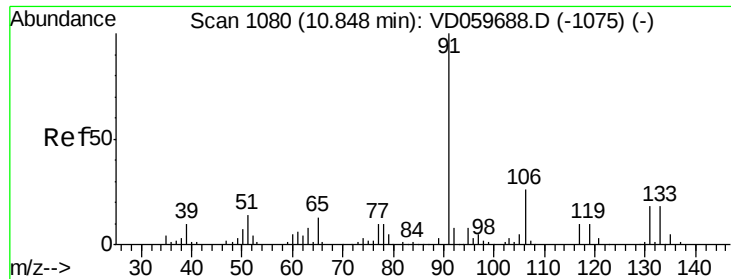
Tot Ion:112 Resp: 48441
Ion Ratio Lower Upper
112 100
114 31.5 26.1 39.1



#66
1,1,1,2-Tetrachloroethane
Concen: 10.36 ug/l
RT: 10.84 min Scan# 1079
Delta R.T. 0.00 min
Lab File: VD059686.D
Acq: 6 Aug 2018 11:08

Tgt Ion:131 Resp: 21101
Ion Ratio Lower Upper
131 100
133 100.8 49.7 149.1
119 54.7 27.0 80.8

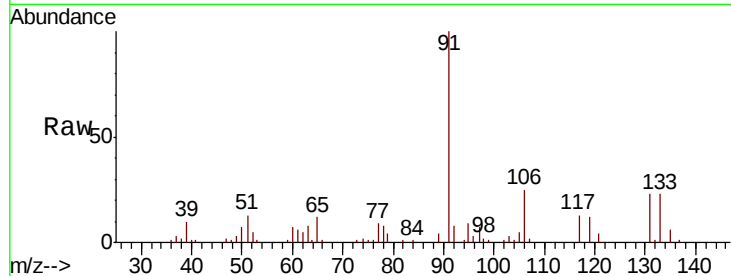




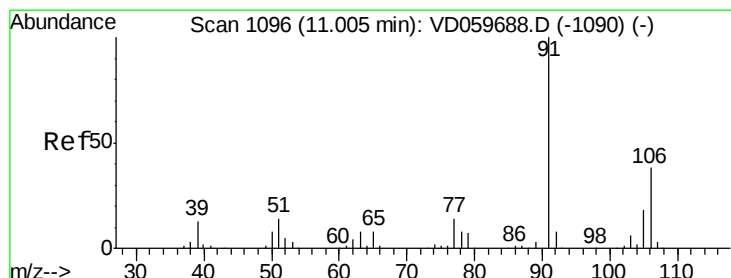
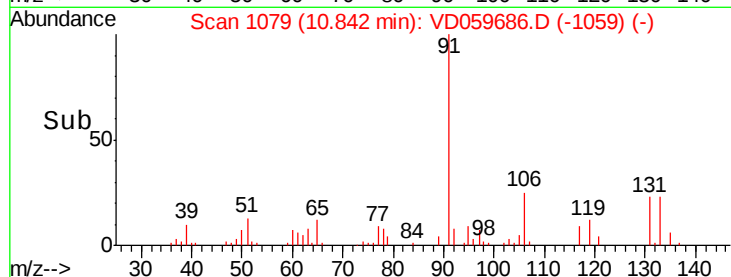
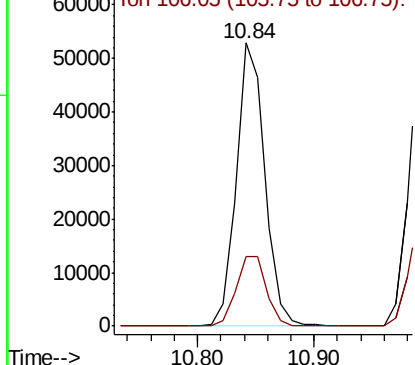
#67
Ethyl Benzene
Concen: 10.61 ug/l
RT: 10.84 min Scan# 1079
Delta R.T. -0.01 min
Lab File: VD059686.D
Acq: 6 Aug 2018 11:08

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC010

Tot Ion: 91 Resp: 88859
Ion Ratio Lower Upper
91 100
106 24.7 20.9 31.3

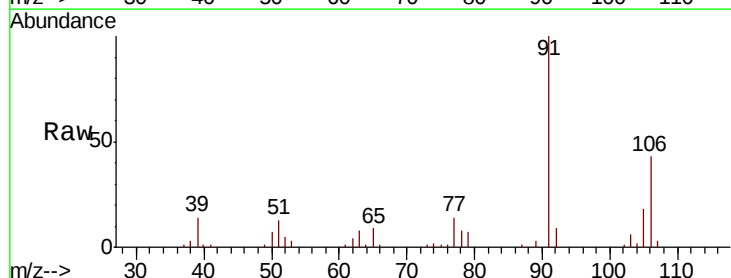


Abundance Ion 91.00 (90.70 to 91.70): VDC
Ion 106.05 (105.75 to 106.75): V

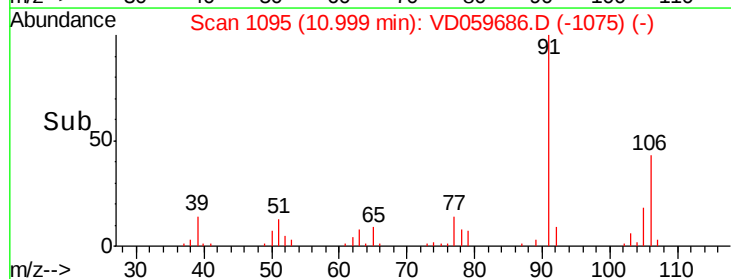
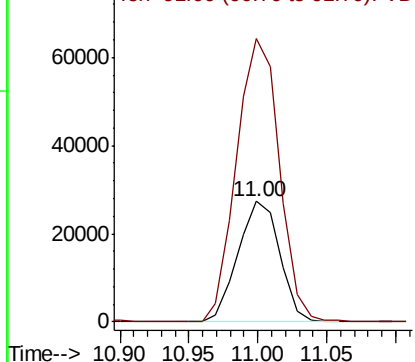


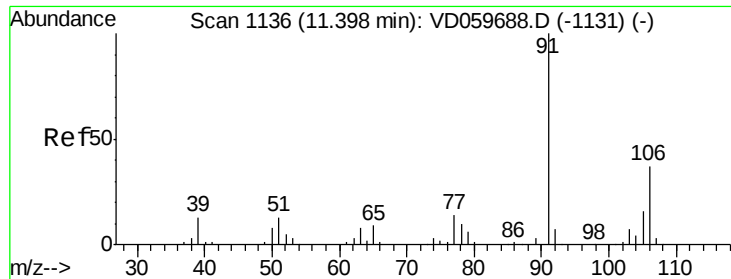
#68
m/p-Xylenes
Concen: 21.81 ug/l
RT: 11.00 min Scan# 1095
Delta R.T. -0.01 min
Lab File: VD059686.D
Acq: 6 Aug 2018 11:08

Tgt Ion: 106 Resp: 57941
Ion Ratio Lower Upper
106 100
91 235.3 209.7 314.5



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

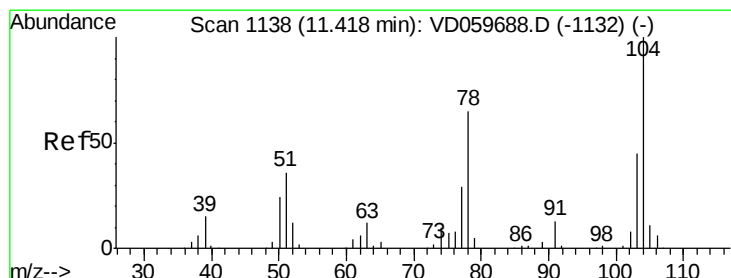
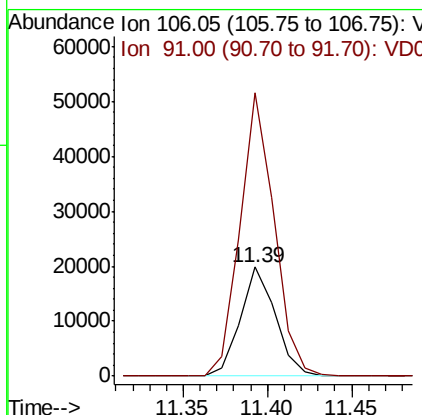
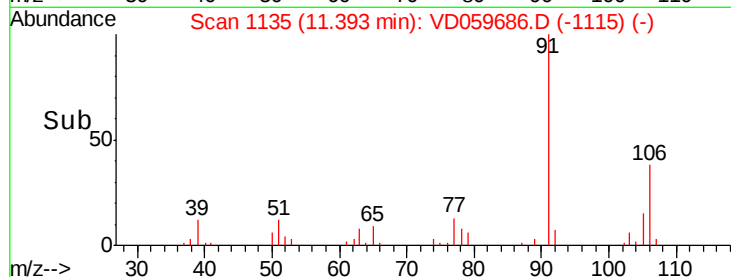
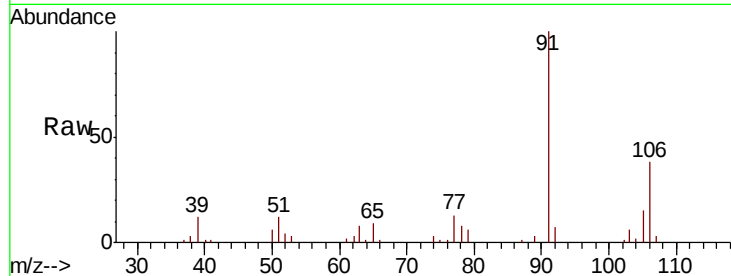




#69
o-Xylene
Concen: 11.01 ug/l
RT: 11.39 min Scan# 1135
Delta R.T. -0.01 min
Lab File: VD059686.D
Acq: 6 Aug 2018 11:08

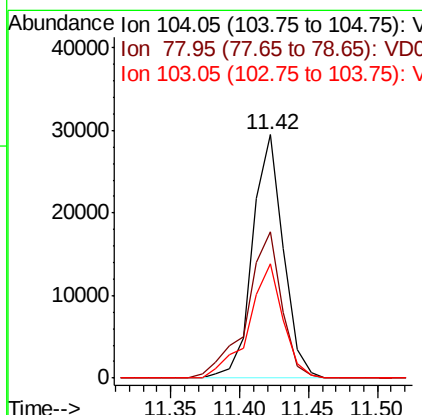
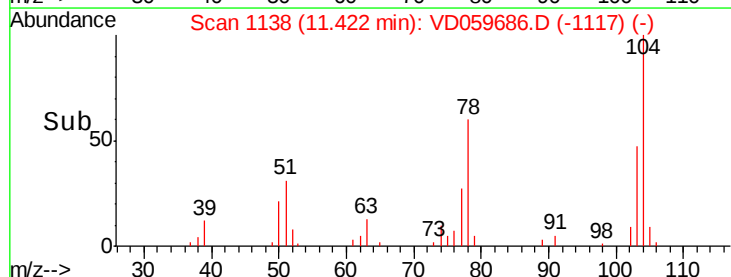
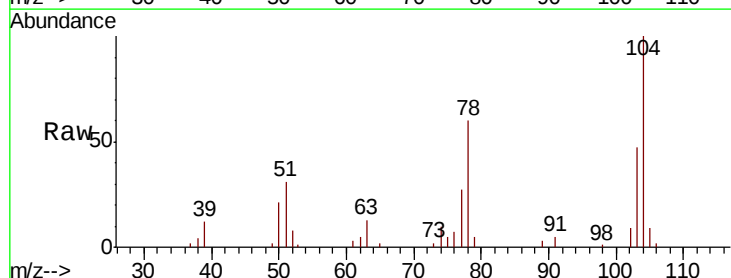
Instrument :
MSVOA_D
ClientSampleID :
VSTDIC010

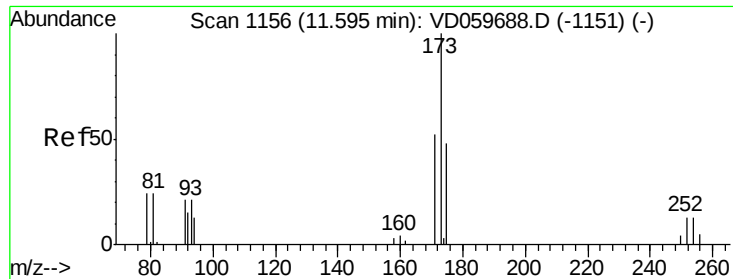
Tot Ion:106 Resp: 28687
Ion Ratio Lower Upper
106 100
91 259.8 135.2 405.6



#70
Styrene
Concen: 10.64 ug/l
RT: 11.42 min Scan# 1138
Delta R.T. 0.00 min
Lab File: VD059686.D
Acq: 6 Aug 2018 11:08

Tgt Ion:104 Resp: 45868
Ion Ratio Lower Upper
104 100
78 60.2 51.9 77.9
103 47.0 36.2 54.4

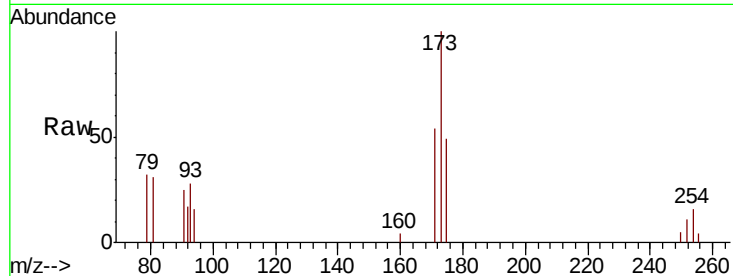




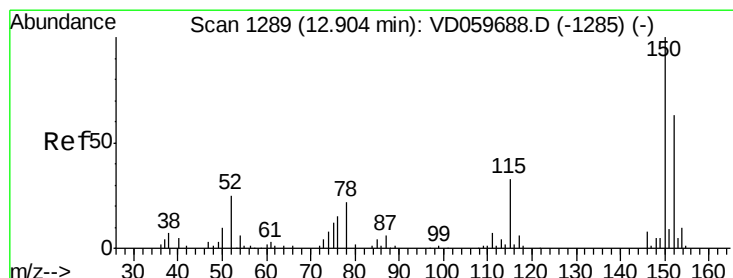
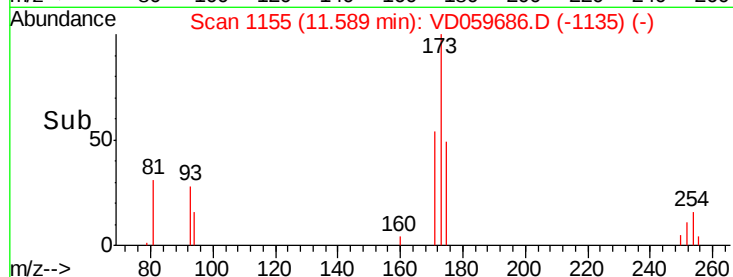
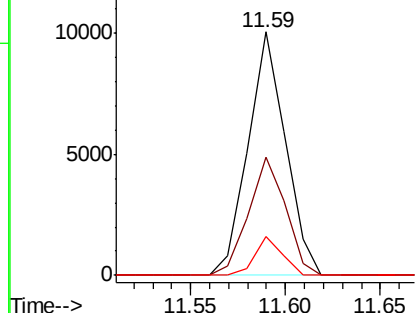
#71
Bromoform
Concen: 8.94 ug/l
RT: 11.59 min Scan# 1155
Delta R.T. -0.01 min
Lab File: VD059686.D
Acq: 6 Aug 2018 11:08

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC010

Tot Ion:173 Resp: 13762
Ion Ratio Lower Upper
173 100
175 48.7 24.1 72.4
254 15.7 10.6 16.0

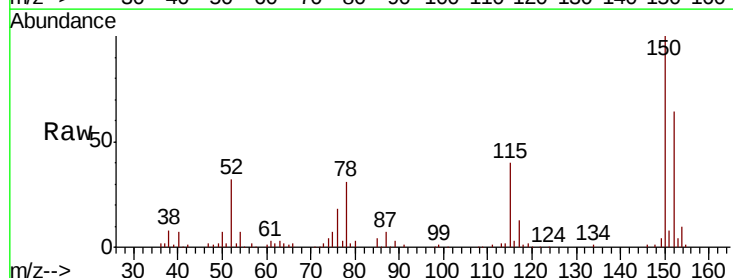


Abundance Ion 172.80 (172.50 to 173.50): V
Ion 174.80 (174.50 to 175.50): V
Ion 253.70 (253.40 to 254.40): V

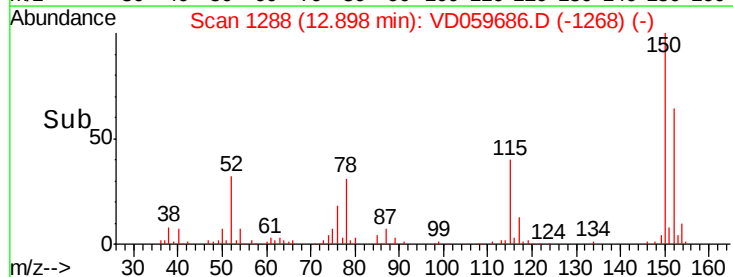
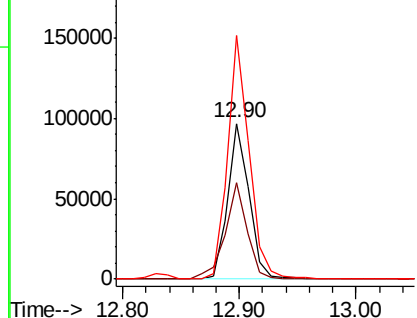


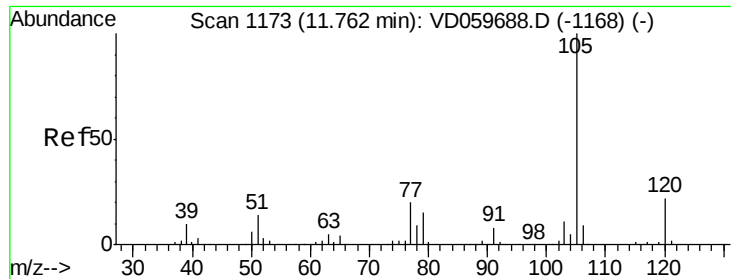
#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 12.90 min Scan# 1288
Delta R.T. -0.01 min
Lab File: VD059686.D
Acq: 6 Aug 2018 11:08

Tgt Ion:152 Resp: 122145
Ion Ratio Lower Upper
152 100
115 61.9 28.8 86.4
150 156.3 0.0 318.0



Abundance Ion 151.90 (151.60 to 152.60): V
Ion 115.00 (114.70 to 115.70): V
Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 10.24 ug/l

RT: 11.77 min Scan# 1173

Delta R.T. 0.00 min

Lab File: VD059686.D

Acq: 6 Aug 2018 11:08

Instrument :

MSVOA_D

ClientSampleId :

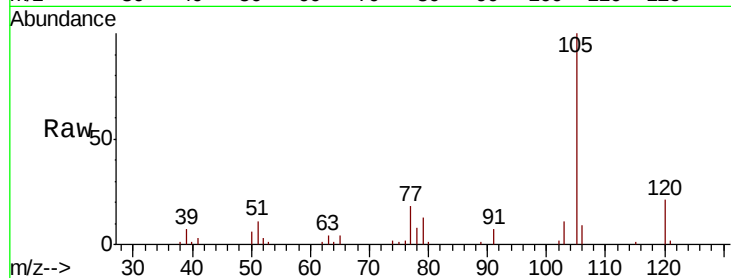
VSTDIC010

Tot Ion:105 Resp: 84691

Ion Ratio Lower Upper

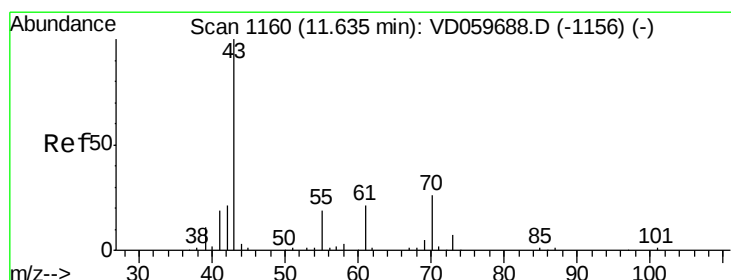
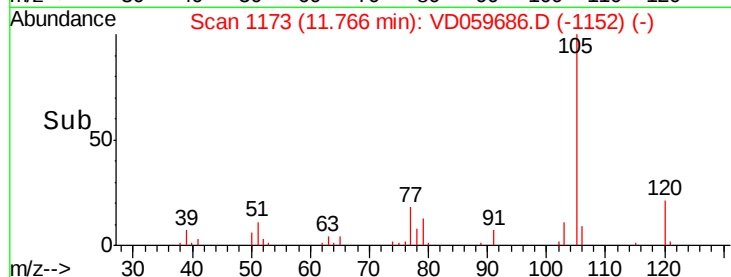
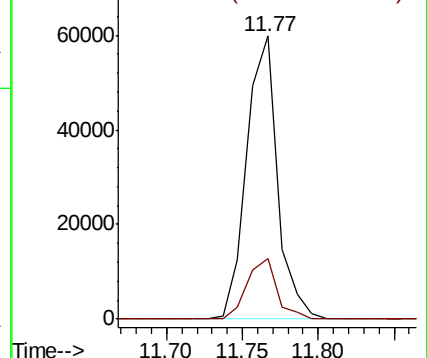
105 100

120 21.4 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: 9.43 ug/l

RT: 11.64 min Scan# 1160

Delta R.T. 0.00 min

Lab File: VD059686.D

Acq: 6 Aug 2018 11:08

Tgt Ion: 43 Resp: 24412

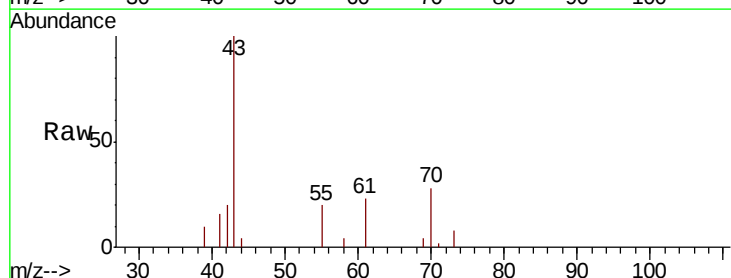
Ion Ratio Lower Upper

43 100

70 27.9 21.0 31.6

55 19.8 15.4 23.2

61 23.1 16.8 25.2

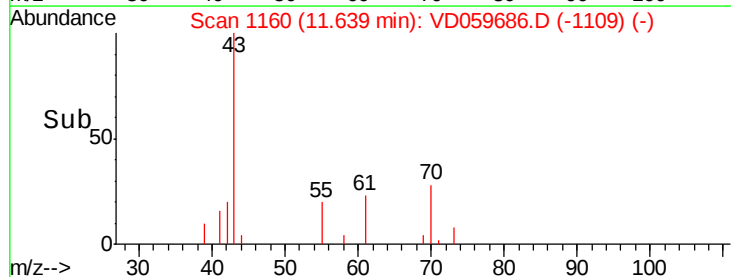
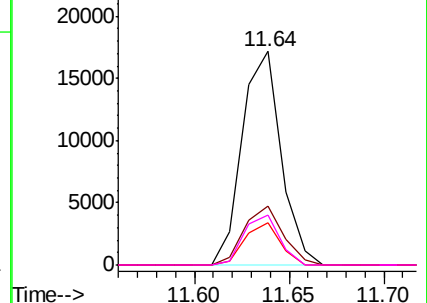


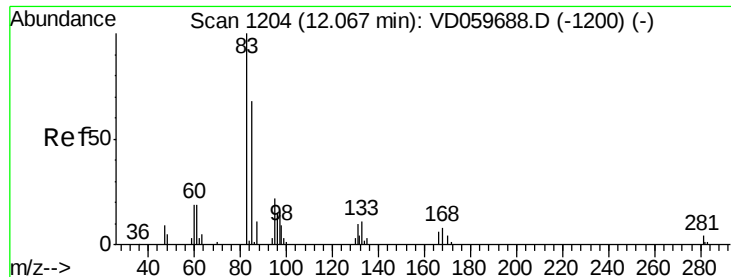
Abundance Ion 42.95 (42.65 to 43.65): V

Ion 70.00 (69.70 to 70.70): V

Ion 55.00 (54.70 to 55.70): V

Ion 60.95 (60.65 to 61.65): V





#75

1,1,2,2-Tetrachloroethane

Concen: 10.18 ug/l

RT: 12.07 min Scan# 1204

Delta R.T. 0.00 min

Lab File: VD059686.D

Acq: 6 Aug 2018 11:08

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC010

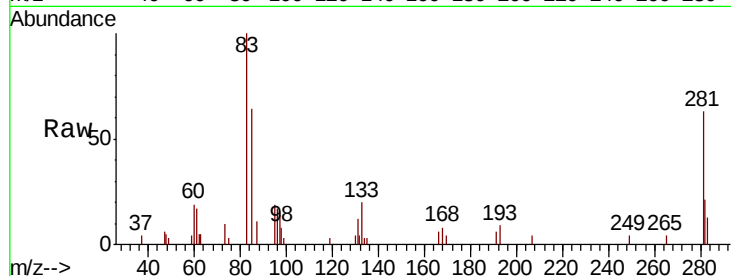
Tot Ion: 83 Resp: 16379

Ion Ratio Lower Upper

83 100

131 11.8 5.3 15.9

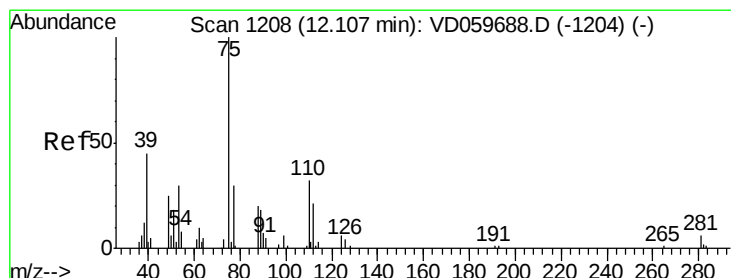
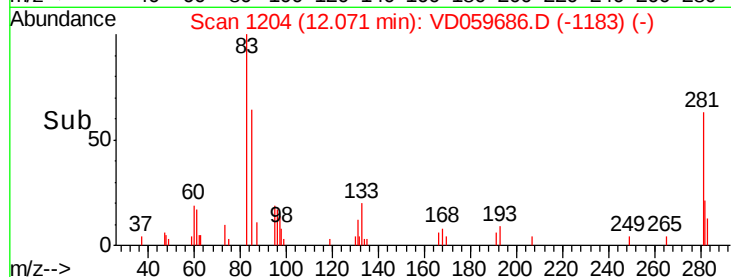
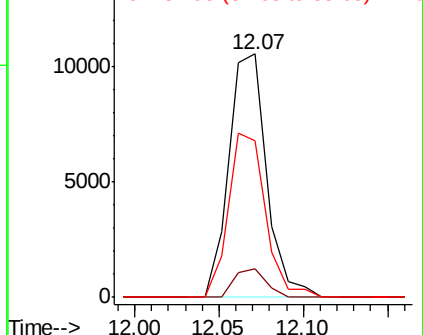
85 64.2 34.1 102.2



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: 10.35 ug/l

RT: 12.10 min Scan# 1207

Delta R.T. -0.01 min

Lab File: VD059686.D

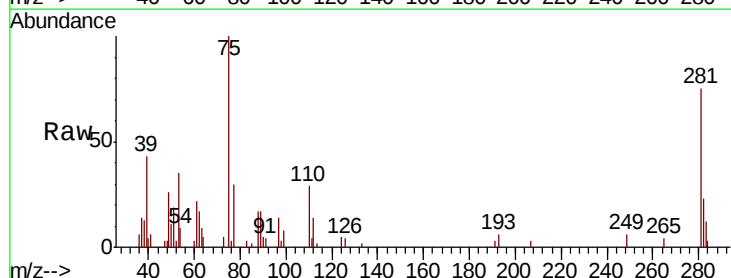
Acq: 6 Aug 2018 11:08

Tgt Ion: 75 Resp: 19634

Ion Ratio Lower Upper

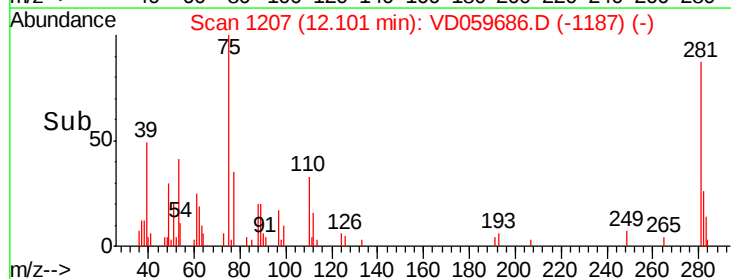
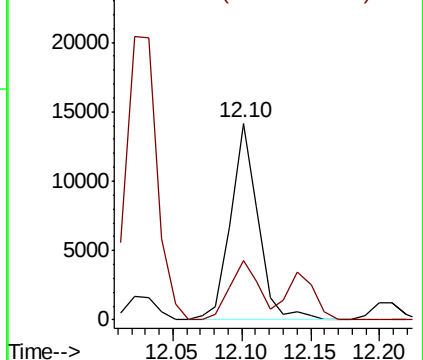
75 100

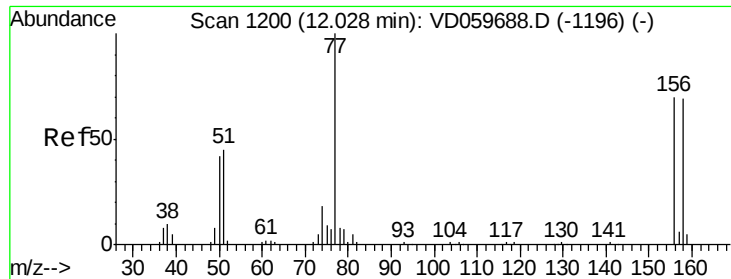
77 29.9 15.5 46.5



Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 76.95 (76.65 to 77.65): VDC

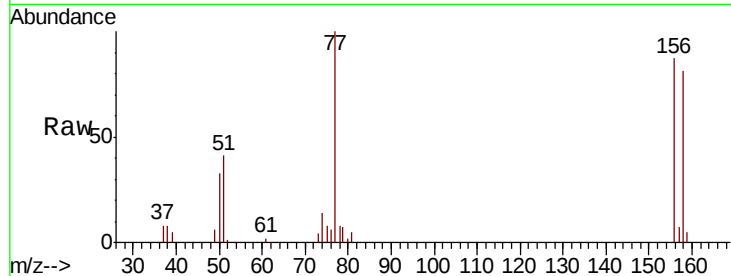




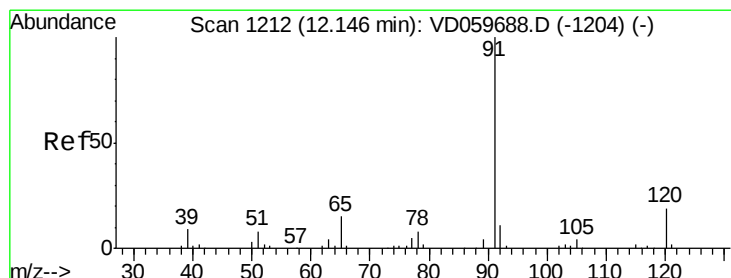
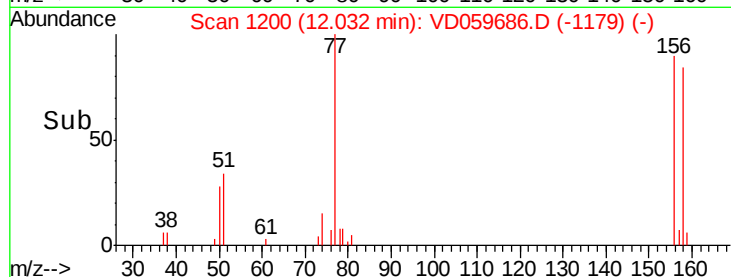
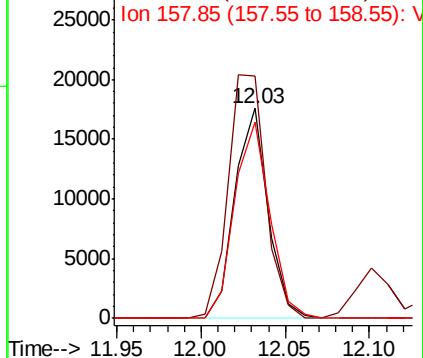
#77
Bromobenzene
Concen: 10.17 ug/l
RT: 12.03 min Scan# 1200
Delta R.T. 0.00 min
Lab File: VD059686.D
Acq: 6 Aug 2018 11:08

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC010

Tot Ion:156 Resp: 24140
Ion Ratio Lower Upper
156 100
77 115.6 71.2 213.6
158 93.4 49.1 147.3

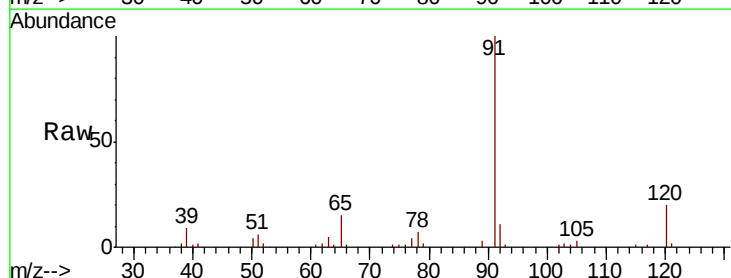


Abundance Ion 155.90 (155.60 to 156.60): V
Ion 76.95 (76.65 to 77.65): V
Ion 157.85 (157.55 to 158.55): V

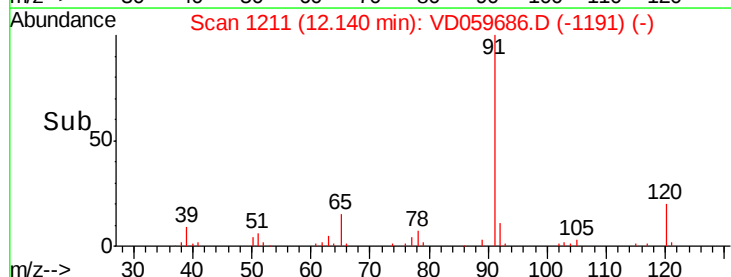
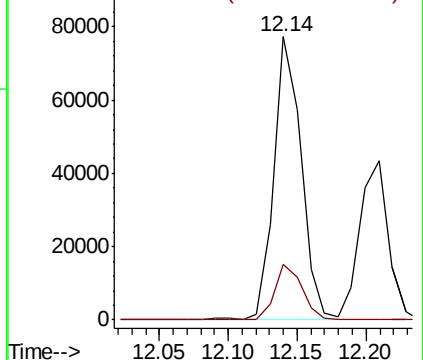


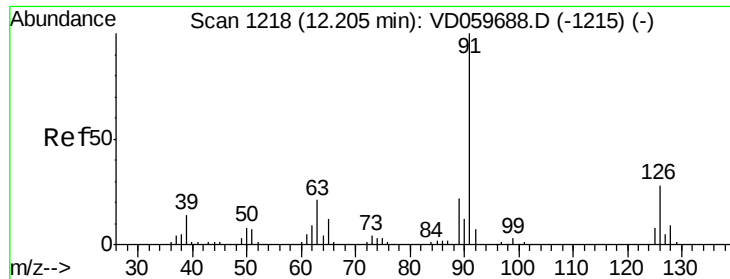
#78
n-propylbenzene
Concen: 10.40 ug/l
RT: 12.14 min Scan# 1211
Delta R.T. -0.01 min
Lab File: VD059686.D
Acq: 6 Aug 2018 11:08

Tgt Ion: 91 Resp: 106459
Ion Ratio Lower Upper
91 100
120 19.8 9.5 28.5



Abundance Ion 91.00 (90.70 to 91.70): V
Ion 120.05 (119.75 to 120.75): V

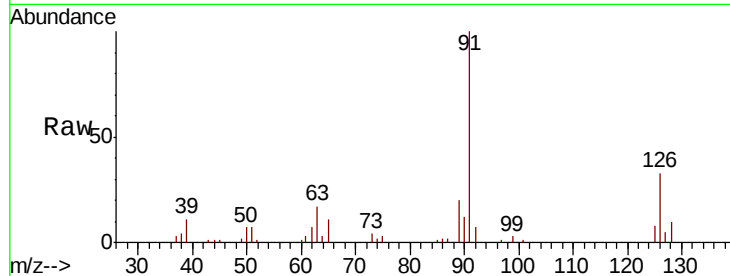




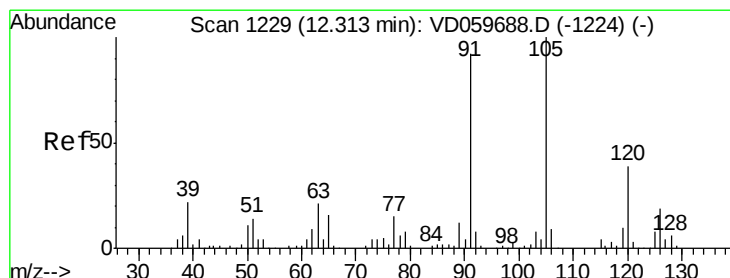
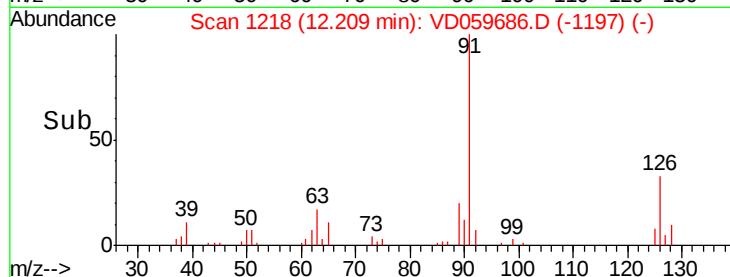
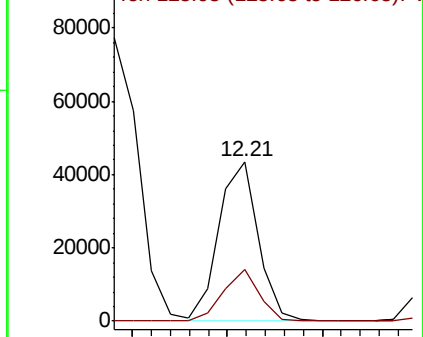
#79
 2-Chlorotoluene
 Concen: 10.14 ug/l
 RT: 12.21 min Scan# 1218
 Delta R.T. 0.00 min
 Lab File: VD059686.D
 Acq: 6 Aug 2018 11:08

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC010

Tot Ion: 91 Resp: 62520
 Ion Ratio Lower Upper
 91 100
 126 32.6 13.7 41.0

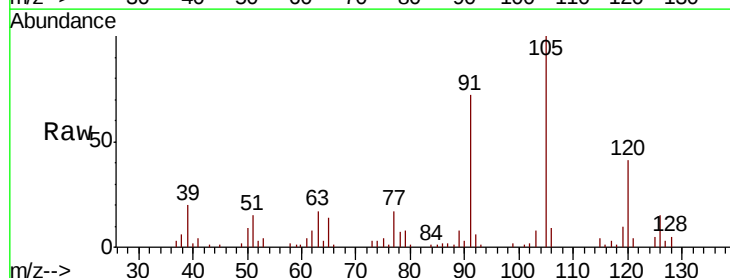


Abundance Ion 91.00 (90.70 to 91.70): V
 Ion 125.95 (125.65 to 126.65): V

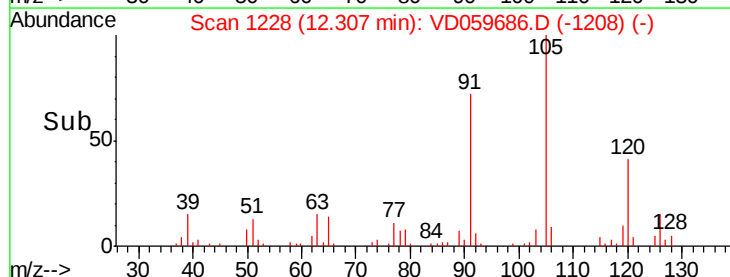
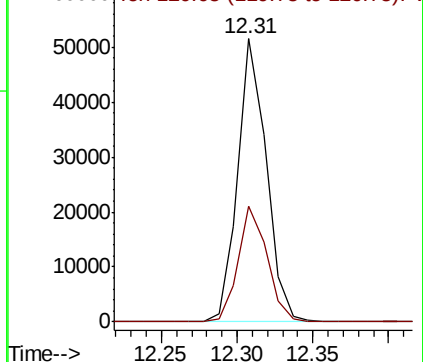


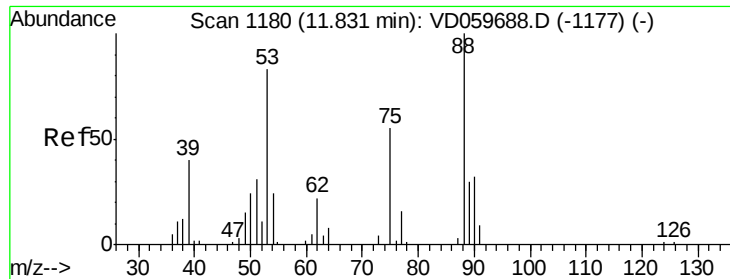
#80
 1,3,5-Trimethylbenzene
 Concen: 9.89 ug/l
 RT: 12.31 min Scan# 1228
 Delta R.T. -0.01 min
 Lab File: VD059686.D
 Acq: 6 Aug 2018 11:08

Tgt Ion: 105 Resp: 67285
 Ion Ratio Lower Upper
 105 100
 120 40.7 19.7 59.1



Abundance Ion 105.05 (104.75 to 105.75): V
 Ion 120.05 (119.75 to 120.75): V

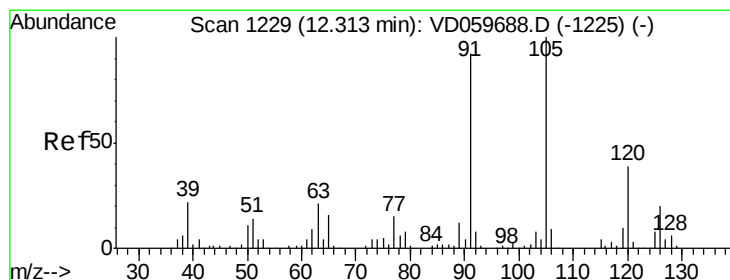
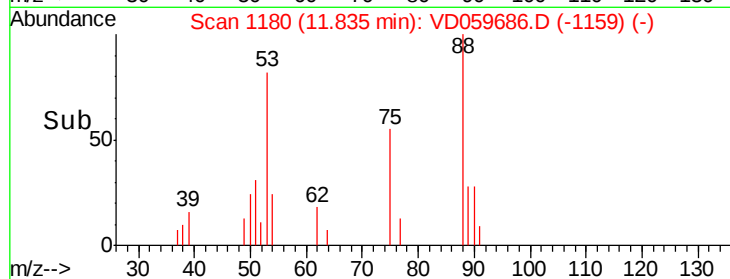
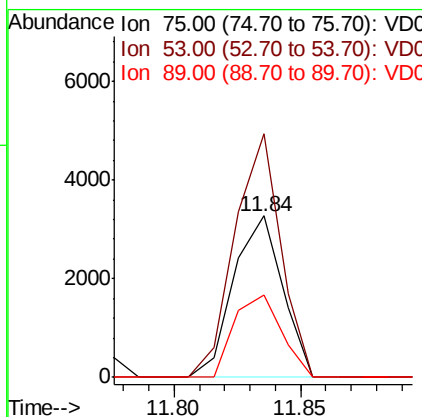
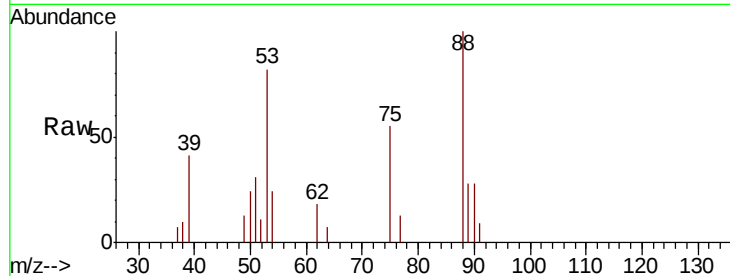




#81
trans-1,4-Dichloro-2-butene
Concen: 9.35 ug/l
RT: 11.84 min Scan# 1180
Delta R.T. 0.00 min
Lab File: VD059686.D
Acq: 6 Aug 2018 11:08

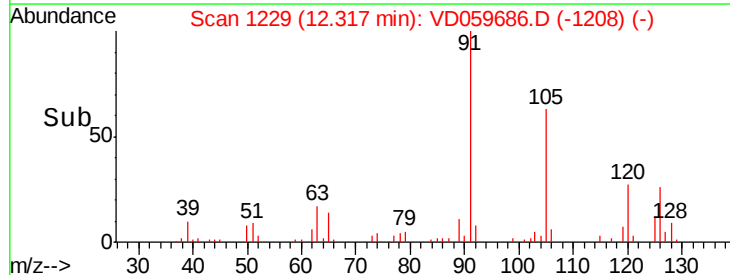
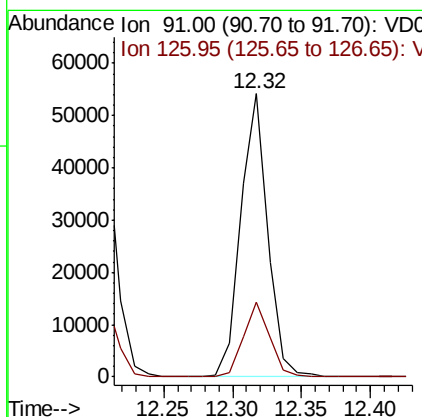
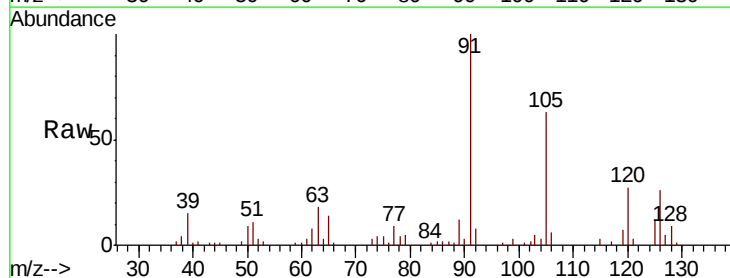
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC010

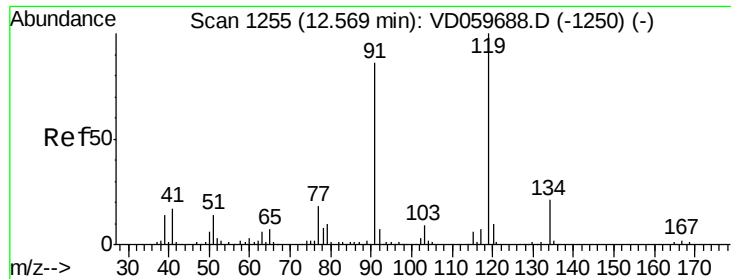
Tot Ion: 75 Resp: 4427
Ion Ratio Lower Upper
75 100
53 150.9 120.5 180.7
89 50.7 44.4 66.6



#82
4-Chlorotoluene
Concen: 10.25 ug/l
RT: 12.32 min Scan# 1229
Delta R.T. 0.00 min
Lab File: VD059686.D
Acq: 6 Aug 2018 11:08

Tgt Ion: 91 Resp: 73902
Ion Ratio Lower Upper
91 100
126 26.2 10.7 31.9

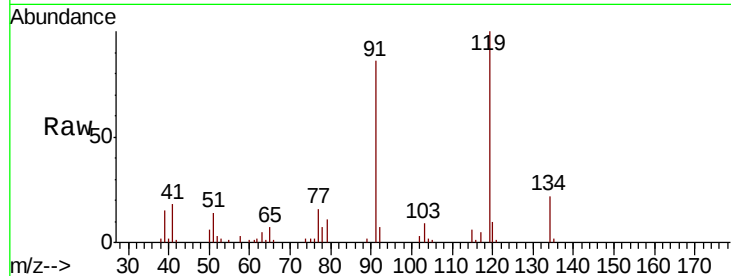




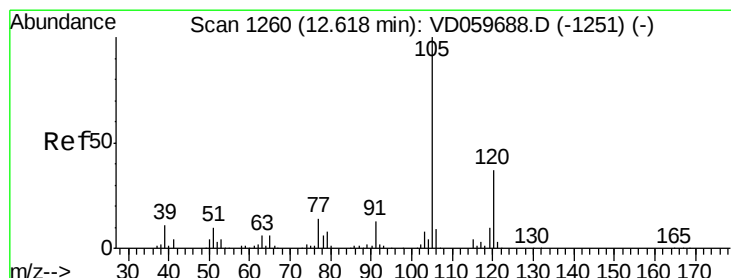
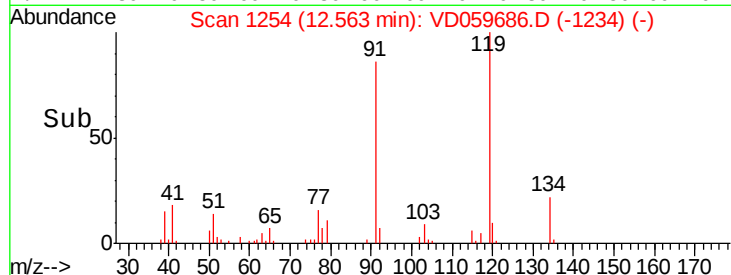
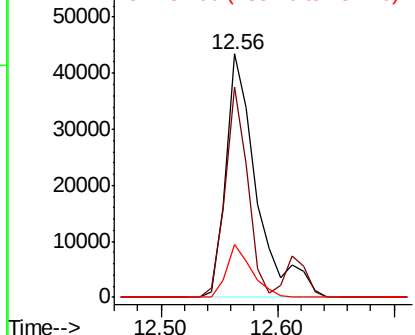
#83
 tert-Butylbenzene
 Concen: 10.34 ug/l
 RT: 12.56 min Scan# 1254
 Delta R.T. -0.01 min
 Lab File: VD059686.D
 Acq: 6 Aug 2018 11:08

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC010

Tot Ion:119 Resp: 79470
 Ion Ratio Lower Upper
 119 100
 91 86.3 43.3 129.9
 134 21.5 10.5 31.6

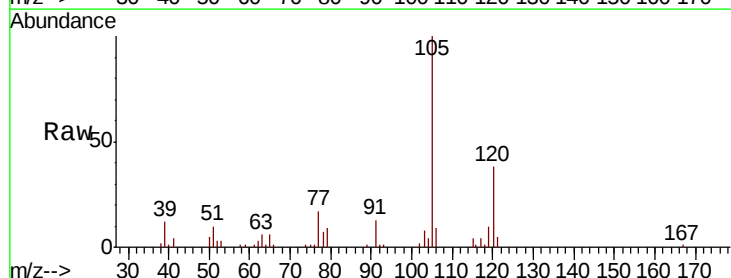


Abundance Ion 119.05 (118.75 to 119.75): V
 Ion 91.00 (90.70 to 91.70): V
 Ion 134.00 (133.70 to 134.70): V

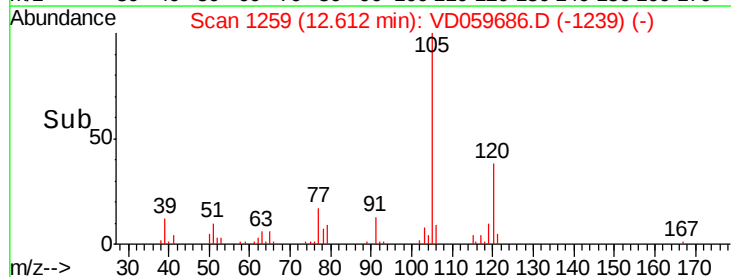
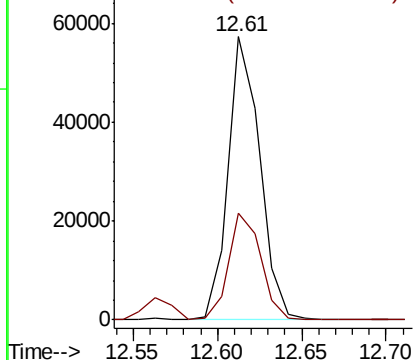


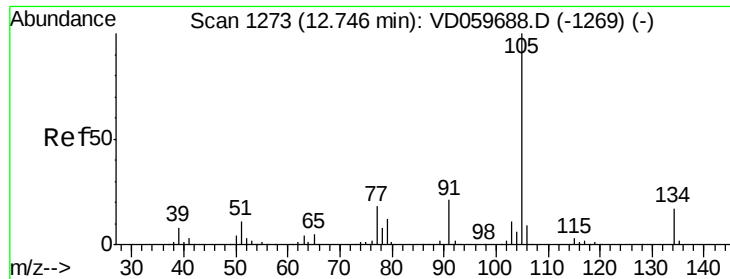
#84
 1,2,4-Trimethylbenzene
 Concen: 10.39 ug/l
 RT: 12.61 min Scan# 1259
 Delta R.T. -0.01 min
 Lab File: VD059686.D
 Acq: 6 Aug 2018 11:08

Tgt Ion:105 Resp: 74887
 Ion Ratio Lower Upper
 105 100
 120 37.8 18.7 56.1



Abundance Ion 105.05 (104.75 to 105.75): V
 Ion 120.05 (119.75 to 120.75): V

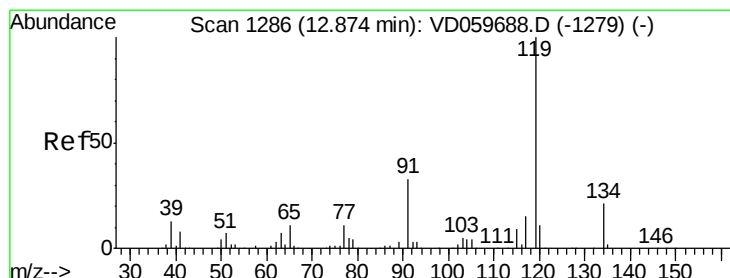
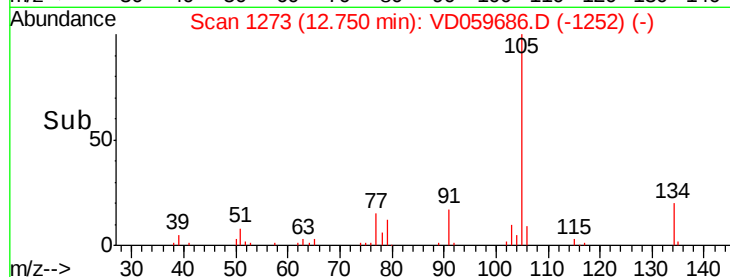
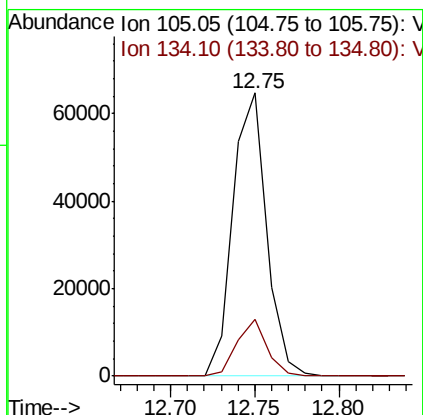
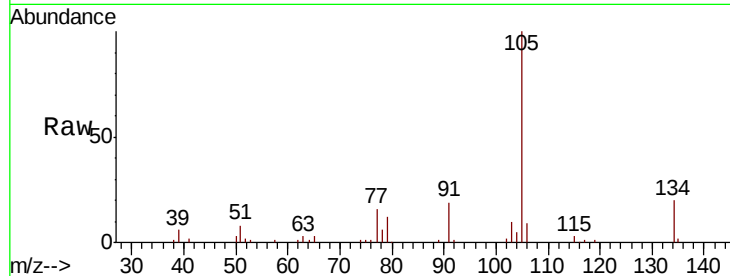




#85
 sec-Butylbenzene
 Concen: 10.55 ug/l
 RT: 12.75 min Scan# 1273
 Delta R.T. 0.00 min
 Lab File: VD059686.D
 Acq: 6 Aug 2018 11:08

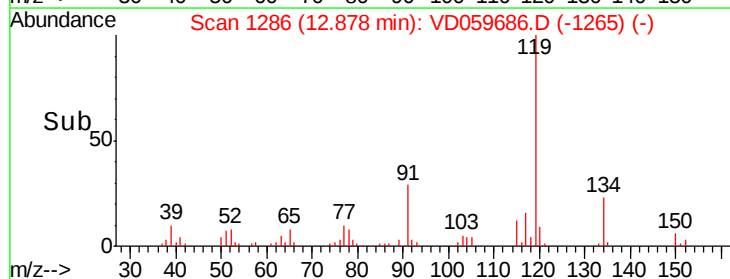
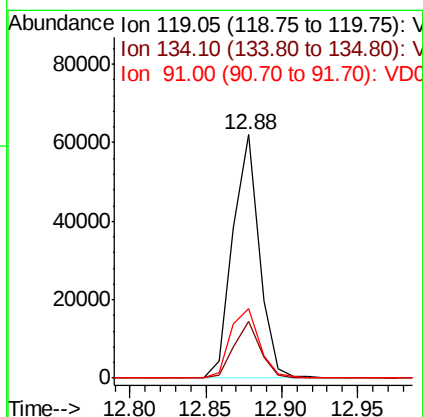
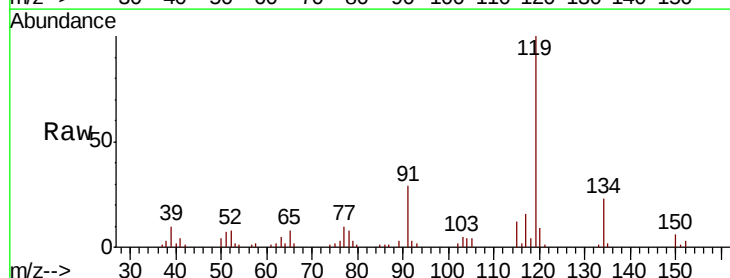
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC010

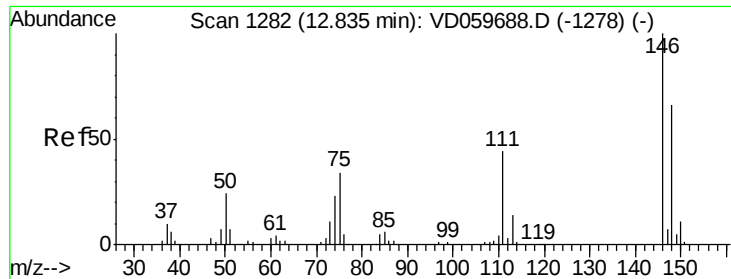
Tot Ion:105 Resp: 89489
 Ion Ratio Lower Upper
 105 100
 134 19.9 8.3 24.9



#86
 p-Isopropyltoluene
 Concen: 10.27 ug/l
 RT: 12.88 min Scan# 1286
 Delta R.T. 0.00 min
 Lab File: VD059686.D
 Acq: 6 Aug 2018 11:08

Tgt Ion:119 Resp: 75436
 Ion Ratio Lower Upper
 119 100
 134 23.3 10.7 32.1
 91 28.7 16.6 49.7

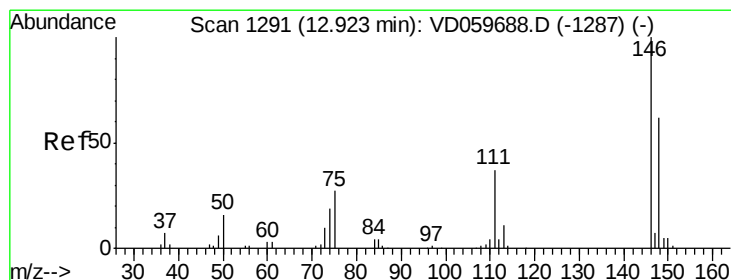
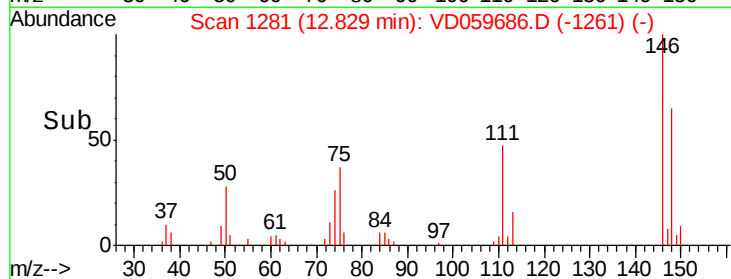
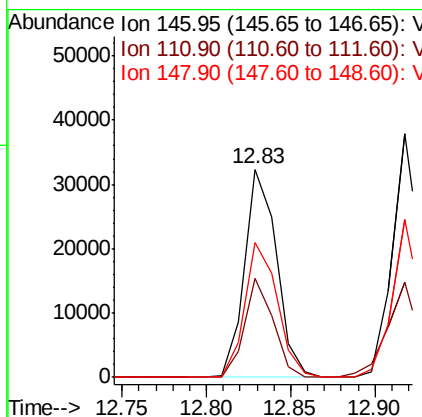
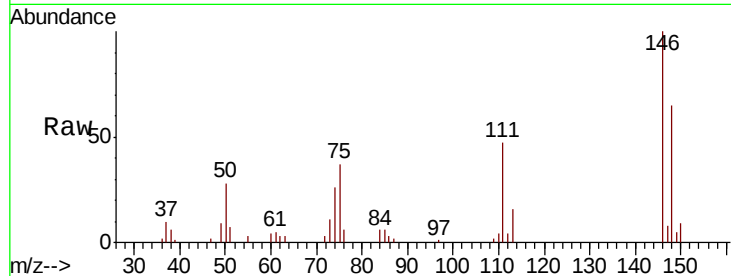




#87
 1,3-Dichlorobenzene
 Concen: 10.31 ug/l
 RT: 12.83 min Scan# 1281
 Delta R.T. -0.01 min
 Lab File: VD059686.D
 Acq: 6 Aug 2018 11:08

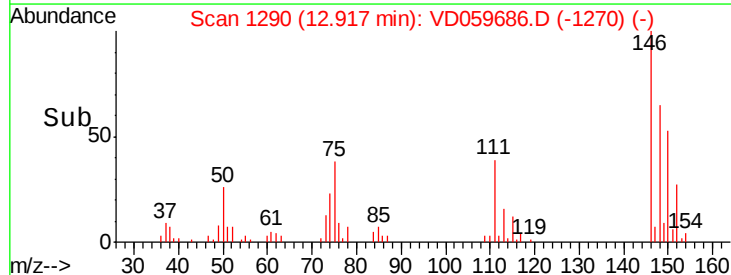
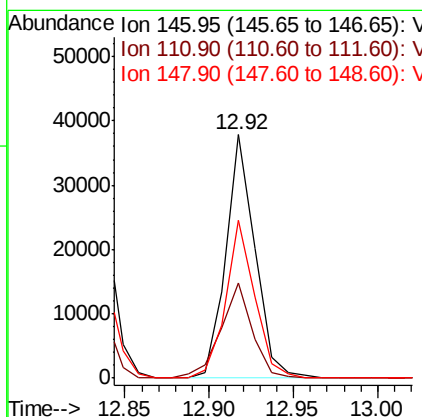
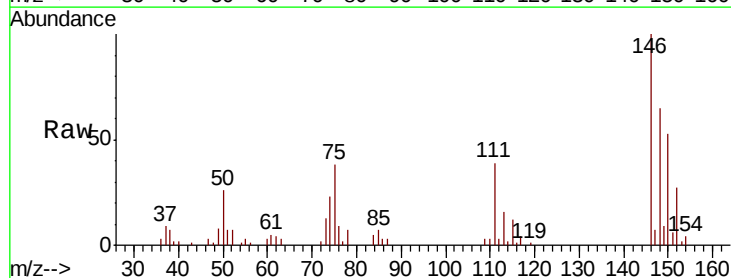
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC010

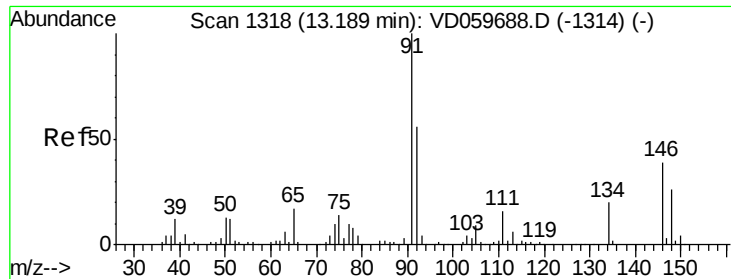
Tot Ion:146 Resp: 42867
 Ion Ratio Lower Upper
 146 100
 111 47.3 21.8 65.4
 148 64.5 33.1 99.2



#88
 1,4-Dichlorobenzene
 Concen: 10.83 ug/l
 RT: 12.92 min Scan# 1290
 Delta R.T. -0.01 min
 Lab File: VD059686.D
 Acq: 6 Aug 2018 11:08

Tgt Ion:146 Resp: 45233
 Ion Ratio Lower Upper
 146 100
 111 39.2 18.6 55.8
 148 64.7 31.2 93.6

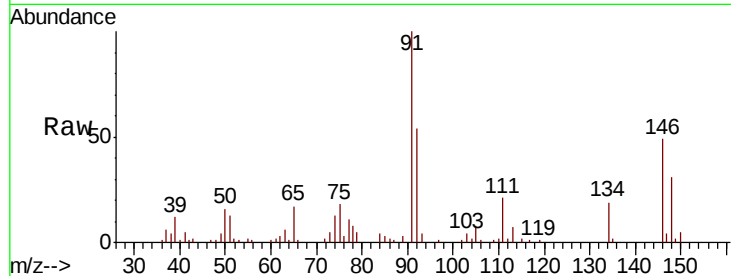




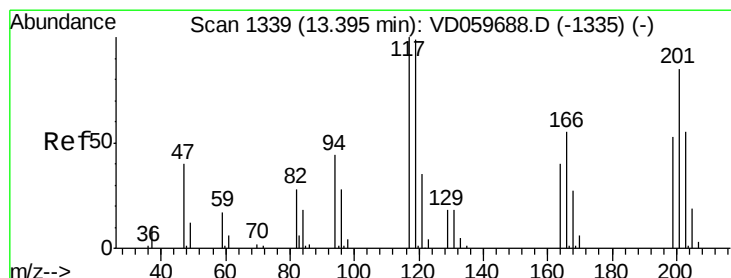
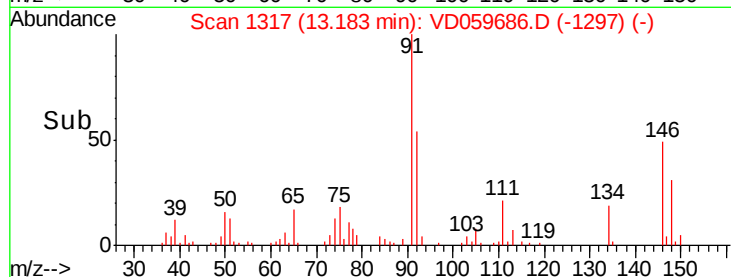
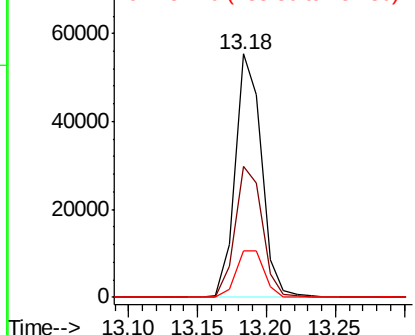
#89
n-Butylbenzene
Concen: 10.16 ug/l
RT: 13.18 min Scan# 1317
Delta R.T. -0.01 min
Lab File: VD059686.D
Acq: 6 Aug 2018 11:08

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC010

Tot Ion: 91 Resp: 73652
Ion Ratio Lower Upper
91 100
92 53.8 28.2 84.6
134 19.1 9.8 29.5

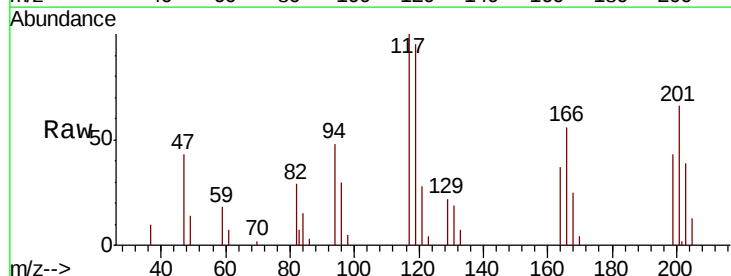


Abundance Ion 91.00 (90.70 to 91.70): VDC
Ion 92.00 (91.70 to 92.70): VDC
Ion 134.10 (133.80 to 134.80): V

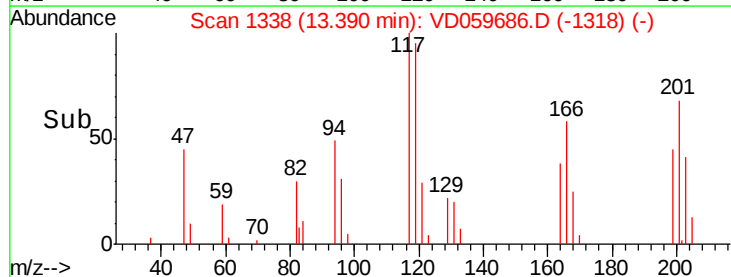
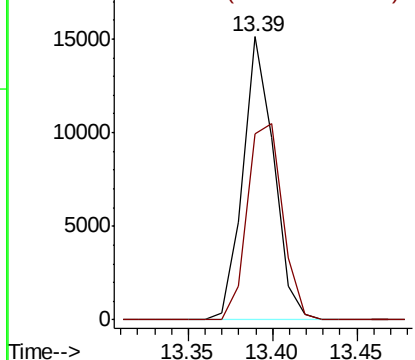


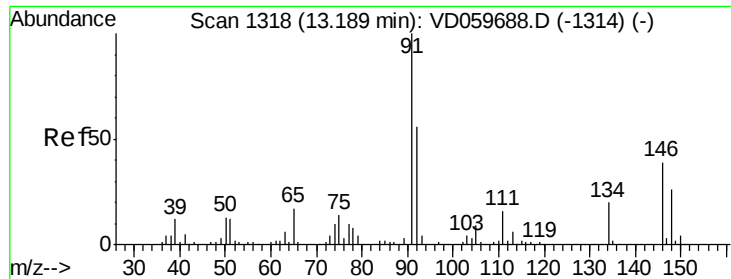
#90
Hexachloroethane
Concen: 10.00 ug/l
RT: 13.39 min Scan# 1338
Delta R.T. -0.01 min
Lab File: VD059686.D
Acq: 6 Aug 2018 11:08

Tgt Ion: 117 Resp: 19176
Ion Ratio Lower Upper
117 100
201 65.6 42.4 127.1



Abundance Ion 116.85 (116.55 to 117.55): V
Ion 200.75 (200.45 to 201.45): V





#91

1,2-Dichlorobenzene

Concen: 10.01 ug/l

RT: 13.18 min Scan# 1317

Delta R.T. -0.01 min

Lab File: VD059686.D

Acq: 6 Aug 2018 11:08

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC010

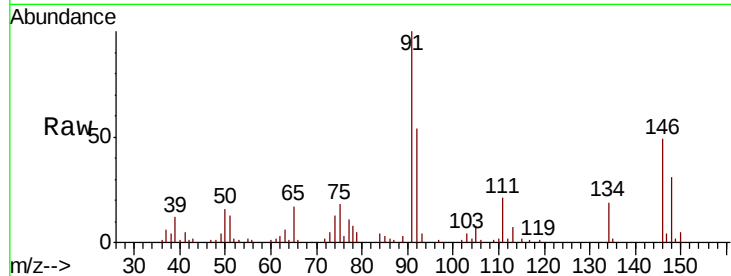
Tot Ion:146 Resp: 34313

Ion Ratio Lower Upper

146 100

111 42.2 20.8 62.2

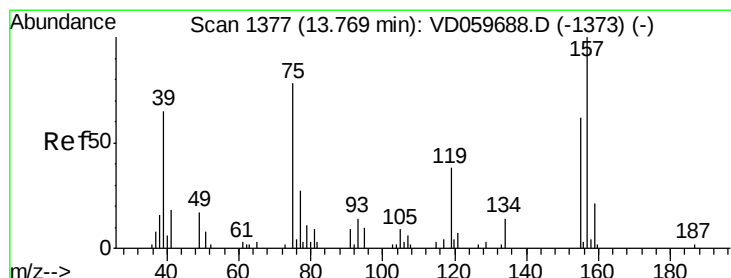
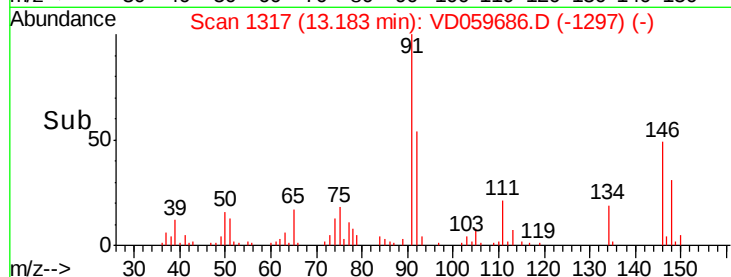
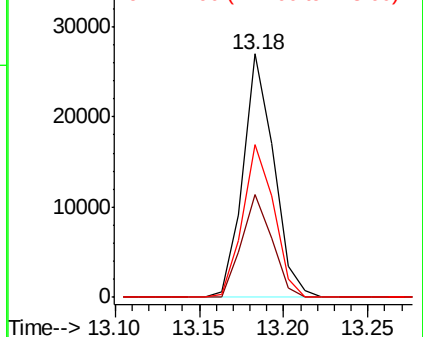
148 62.8 33.4 100.2



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: 8.05 ug/l

RT: 13.76 min Scan# 1376

Delta R.T. -0.01 min

Lab File: VD059686.D

Acq: 6 Aug 2018 11:08

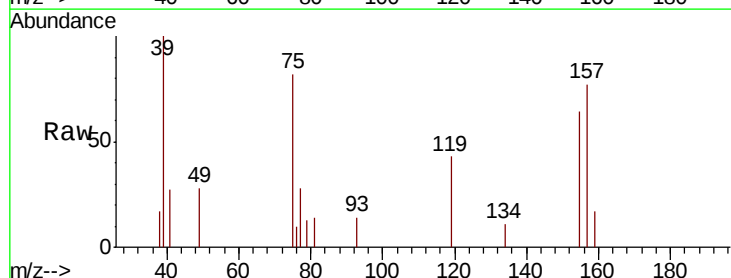
Tgt Ion: 75 Resp: 2840

Ion Ratio Lower Upper

75 100

155 78.0 40.0 119.9

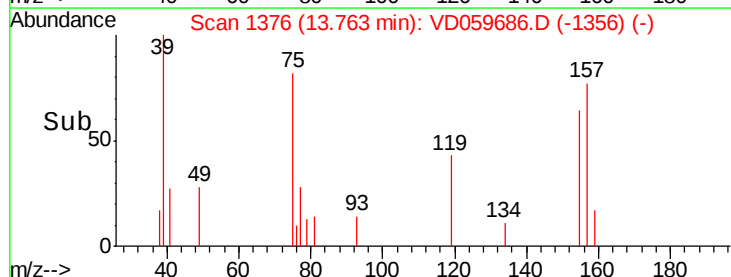
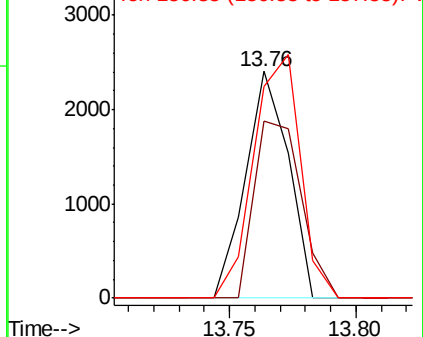
157 93.6 64.3 192.7

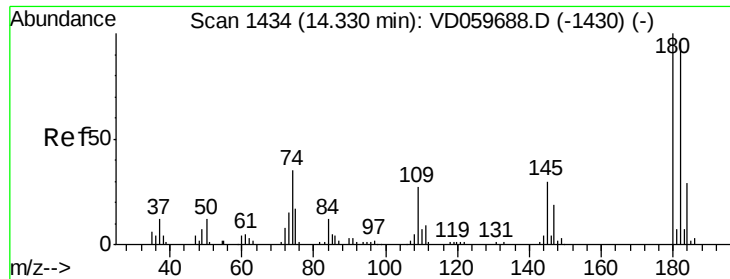


Abundance Ion 75.00 (74.70 to 75.70): V

Ion 154.90 (154.60 to 155.60): V

Ion 156.85 (156.55 to 157.55): V

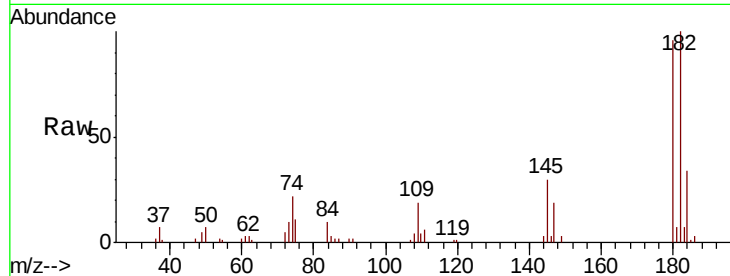




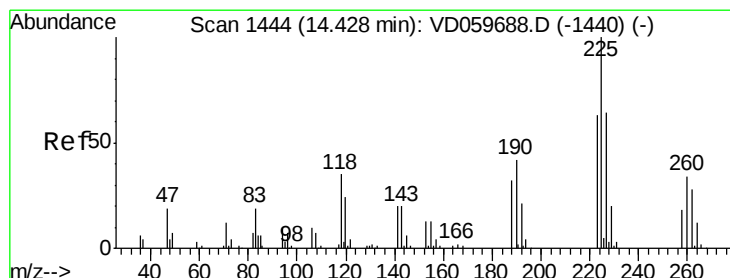
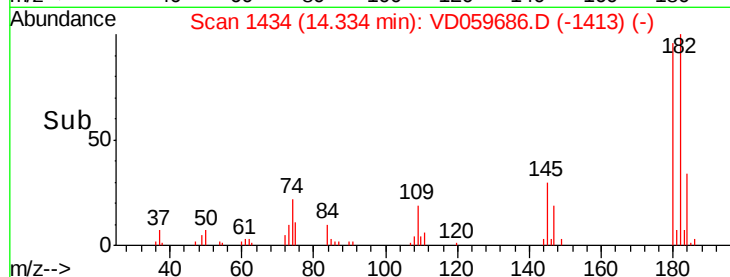
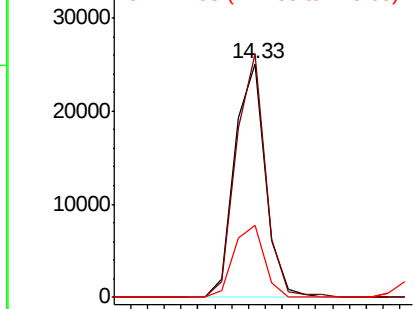
#93
 1,2,4-Trichlorobenzene
 Concen: 10.25 ug/l
 RT: 14.33 min Scan# 1434
 Delta R.T. 0.00 min
 Lab File: VD059686.D
 Acq: 6 Aug 2018 11:08

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC010

Tot Ion:180 Resp: 31572
 Ion Ratio Lower Upper
 180 100
 182 104.1 48.0 144.0
 145 31.1 14.8 44.4

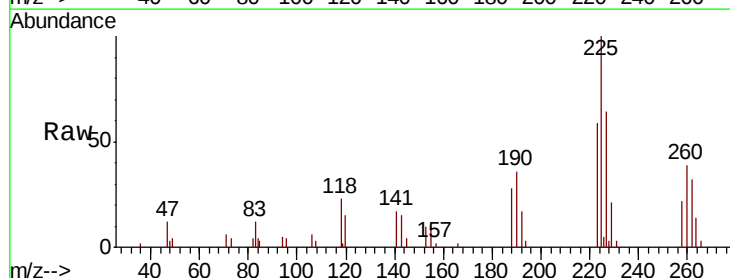


Abundance Ion 179.85 (179.55 to 180.55): V
 Ion 181.85 (181.55 to 182.55): V
 Ion 144.95 (144.65 to 145.65): V

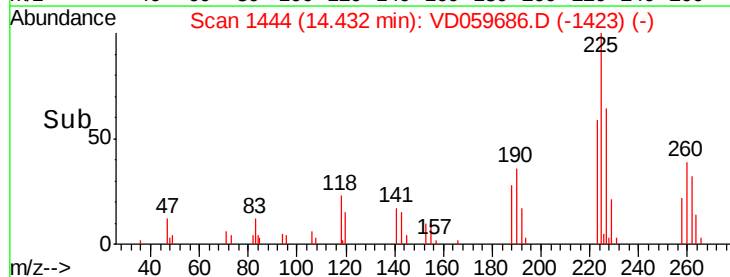
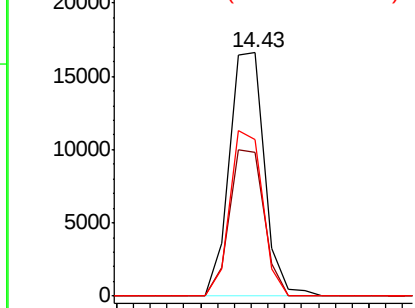


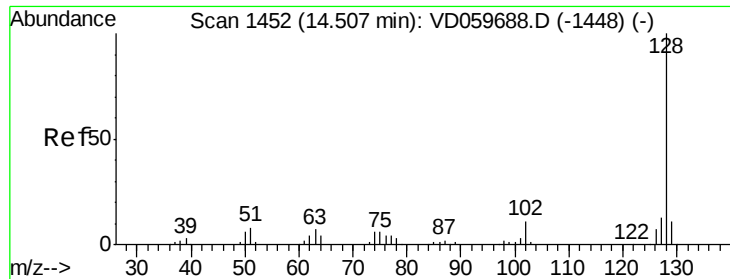
#94
 Hexachlorobutadiene
 Concen: 10.00 ug/l
 RT: 14.43 min Scan# 1444
 Delta R.T. 0.00 min
 Lab File: VD059686.D
 Acq: 6 Aug 2018 11:08

Tgt Ion:225 Resp: 24050
 Ion Ratio Lower Upper
 225 100
 223 59.1 31.4 94.3
 227 64.1 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: 9.89 ug/l

RT: 14.51 min Scan# 1452

Delta R.T. 0.00 min

Lab File: VD059686.D

Acq: 6 Aug 2018 11:08

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC010

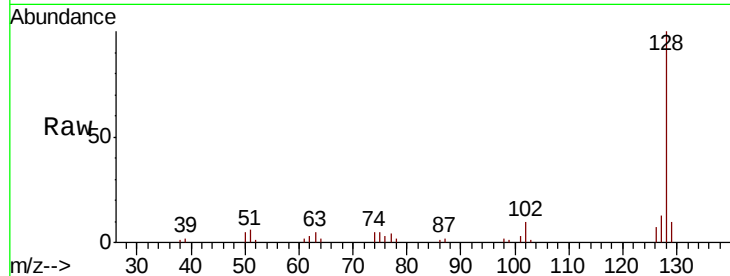
Tot Ion:128 Resp: 45577

Ion Ratio Lower Upper

128 100

127 13.4 10.6 16.0

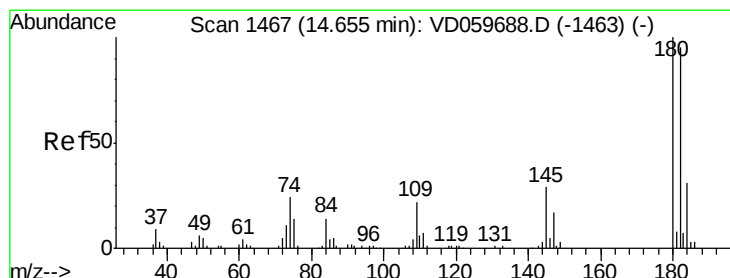
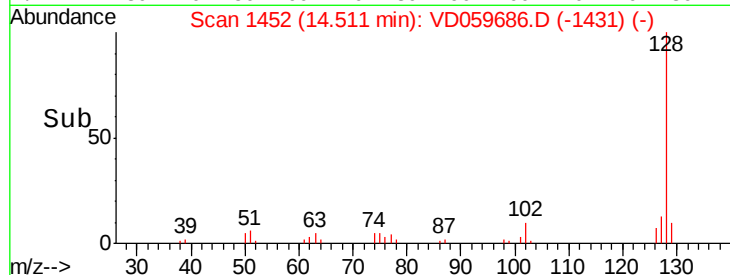
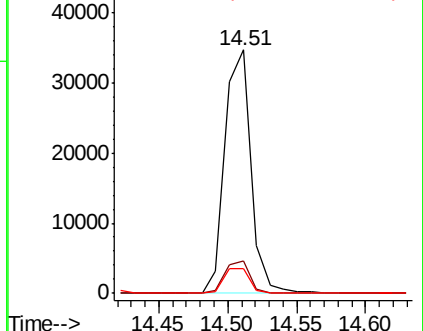
129 10.2 8.8 13.2



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: 10.30 ug/l

RT: 14.65 min Scan# 1466

Delta R.T. -0.01 min

Lab File: VD059686.D

Acq: 6 Aug 2018 11:08

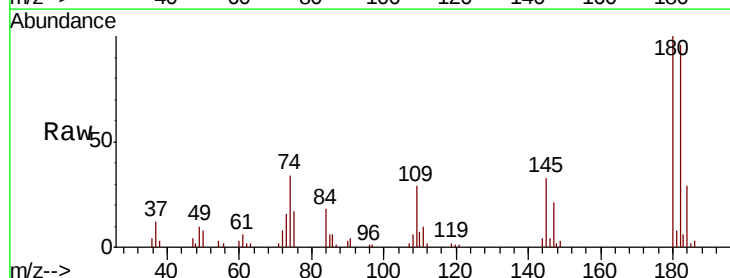
Tgt Ion:180 Resp: 28352

Ion Ratio Lower Upper

180 100

182 95.7 47.5 142.5

145 33.5 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

