

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD081318\
 Data File : VD059740.D
 Acq On : 13 Aug 2018 17:23
 Operator : VA/AP
 Sample : VSTDCCC050
 Misc : 5.00g/5ml/MSVOA D/SOIL
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Quant Time: Aug 13 17:43:07 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D081018S.M
 Quant Title : SW846 8260
 QLast Update : Sat Aug 11 05:42:24 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.64	168	200503	50.00	ug/l	0.01
34) 1,4-Difluorobenzene	6.69	114	247384	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.69	117	200602	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.90	152	110551	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.02	65	151526	48.28	ug/l	0.01
Spiked Amount						
			Recovery	=	96.56%	
35) Dibromofluoromethane	5.54	113	129498	50.83	ug/l	0.00
Spiked Amount						
			Recovery	=	101.66%	
50) Toluene-d8	8.70	98	261732	51.80	ug/l	0.00
Spiked Amount						
			Recovery	=	103.60%	
62) 4-Bromofluorobenzene	11.93	95	123279	48.65	ug/l	0.00
Spiked Amount						
			Recovery	=	97.30%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.34	85	151266	50.43	ug/l	97
3) Chloromethane	1.48	50	66200	58.25	ug/l	93
4) Vinyl Chloride	1.55	62	82139	57.23	ug/l	97
5) Bromomethane	1.79	94	37417	62.08	ug/l	96
6) Chloroethane	1.87	64	42948	58.14	ug/l	95
7) Trichlorofluoromethane	2.08	101	157141	51.04	ug/l	99
8) Diethyl Ether	2.34	74	27216	54.71	ug/l	94
9) 1,1,2-Trichlorotrifluoroet	2.55	101	84259	53.37	ug/l	97
10) Methyl Iodide	2.69	142	90340	45.53	ug/l	99
11) Tert butyl alcohol	3.25	59	31840	292.76	ug/l	99
12) 1,1-Dichloroethene	2.54	96	61313	54.32	ug/l	96
13) Acrolein	2.47	56	16112	248.73	ug/l	96
14) Allyl chloride	2.92	41	133272	53.44	ug/l	97
15) Acrylonitrile	3.35	53	72478	269.58	ug/l	91
16) Acetone	2.60	43	158309	308.79	ug/l	99
17) Carbon Disulfide	2.75	76	208975	55.23	ug/l	100
18) Methyl Acetate	2.93	43	47543	48.28	ug/l	98
19) Methyl tert-butyl Ether	3.40	73	237008	53.66	ug/l	94
20) Methylene Chloride	3.07	84	68703	46.42	ug/l	94
21) trans-1,2-Dichloroethene	3.38	96	87787	61.35	ug/l	95
22) Diisopropyl ether	4.07	45	269987	57.24	ug/l	89
23) Vinyl Acetate	4.01	43	866000	271.30	ug/l	99
24) 1,1-Dichloroethane	3.97	63	183572	52.69	ug/l	99
25) 2-Butanone	4.83	43	167982	304.85	ug/l	95
26) 2,2-Dichloropropane	4.80	77	216196	53.09	ug/l	100
27) cis-1,2-Dichloroethene	4.80	96	93463	53.99	ug/l	99
28) Bromochloromethane	5.14	49	70909	56.53	ug/l #	90
29) Tetrahydrofuran	5.18	42	59996	291.19	ug/l	97
30) Chloroform	5.32	83	238142	51.75	ug/l	100
31) Cyclohexane	5.59	56	115807	57.26	ug/l	98
32) 1,1,1-Trichloroethane	5.50	97	246063	51.58	ug/l	97
36) 1,1-Dichloropropene	5.74	75	149648	52.12	ug/l	97
37) Ethyl Acetate	4.91	43	66321	52.52	ug/l #	93
38) Carbon Tetrachloride	5.72	117	217931	48.24	ug/l	97

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD081318\
 Data File : VD059740.D
 Acq On : 13 Aug 2018 17:23
 Operator : VA/AP
 Sample : VSTDCCC050
 Misc : 5.00g/5ml/MSVOA D/SOIL
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Quant Time: Aug 13 17:43:07 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D081018S.M
 Quant Title : SW846 8260
 QLast Update : Sat Aug 11 05:42:24 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.28	83	114856	53.99	ug/l	96
40) Benzene	6.02	78	265482	53.06	ug/l	96
41) Methacrylonitrile	5.12	41	31263	52.66	ug/l	94
42) 1,2-Dichloroethane	6.12	62	194273	48.96	ug/l	100
43) Isopropyl Acetate	7.61	43	85363	53.65	ug/l	99
44) Trichloroethene	6.98	130	101705	50.40	ug/l	88
45) 1,2-Dichloropropane	7.34	63	64916	50.94	ug/l	95
46) Dibromomethane	7.46	93	67567	49.92	ug/l	91
47) Bromodichloromethane	7.74	83	174529	48.80	ug/l	100
48) Methyl methacrylate	7.50	41	65857	56.71	ug/l	90
49) 1,4-Dioxane	7.48	88	10021	1220.67	ug/l #	86
51) 4-Methyl-2-Pentanone	8.59	43	359110	292.82	ug/l	97
52) Toluene	8.80	92	166739	51.82	ug/l	99
53) t-1,3-Dichloropropene	9.18	75	142973	49.75	ug/l	98
54) cis-1,3-Dichloropropene	8.36	75	142693	51.73	ug/l	98
55) 1,1,2-Trichloroethane	9.45	97	64524	50.86	ug/l	95
56) Ethyl methacrylate	9.31	69	72984	50.48	ug/l	88
57) 1,3-Dichloropropane	9.67	76	109480	51.83	ug/l	98
58) 2-Chloroethyl Vinyl ether	8.18	63	176020	262.87	ug/l	100
59) 2-Hexanone	9.78	43	272734	297.18	ug/l	94
60) Dibromochloromethane	9.95	129	121574	49.67	ug/l	100
61) 1,2-Dibromoethane	10.09	107	83059	52.35	ug/l	99
64) Tetrachloroethene	9.51	164	97107	49.32	ug/l	93
65) Chlorobenzene	10.72	112	211601	51.69	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.85	131	101681	49.03	ug/l	97
67) Ethyl Benzene	10.86	91	391543	51.04	ug/l	97
68) m/p-Xylenes	11.01	106	252311	102.60	ug/l	93
69) o-Xylene	11.41	106	115015	48.10	ug/l	100
70) Styrene	11.43	104	198627	50.72	ug/l	97
71) Bromoform	11.59	173	81861	52.19	ug/l	98
73) Isopropylbenzene	11.77	105	379248	50.49	ug/l	98
74) N-amyl acetate	11.64	43	121416	56.39	ug/l #	95
75) 1,1,2,2-Tetrachloroethane	12.08	83	72372	52.81	ug/l	99
76) 1,2,3-Trichloropropane	12.11	75	86046	52.62	ug/l	99
77) Bromobenzene	12.04	156	111628	50.89	ug/l	91
78) n-propylbenzene	12.15	91	471384	51.66	ug/l	96
79) 2-Chlorotoluene	12.21	91	287990	49.85	ug/l	98
80) 1,3,5-Trimethylbenzene	12.32	105	336218	51.67	ug/l	100
81) trans-1,4-Dichloro-2-buten	11.84	75	21005	57.03	ug/l	95
82) 4-Chlorotoluene	12.32	91	343110	50.38	ug/l	97
83) tert-Butylbenzene	12.58	119	358189	50.61	ug/l	89
84) 1,2,4-Trimethylbenzene	12.63	105	331752	49.41	ug/l	95
85) sec-Butylbenzene	12.75	105	396458	52.70	ug/l	97
86) p-Isopropyltoluene	12.88	119	336439	49.63	ug/l	96
87) 1,3-Dichlorobenzene	12.84	146	184158	49.59	ug/l	99
88) 1,4-Dichlorobenzene	12.92	146	185528	49.97	ug/l	95
89) n-Butylbenzene	13.20	91	341414	50.93	ug/l	99
90) Hexachloroethane	13.39	117	95692	54.41	ug/l	77
91) 1,2-Dichlorobenzene	13.19	146	154432	48.95	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	13.77	75	17701	51.85	ug/l	77

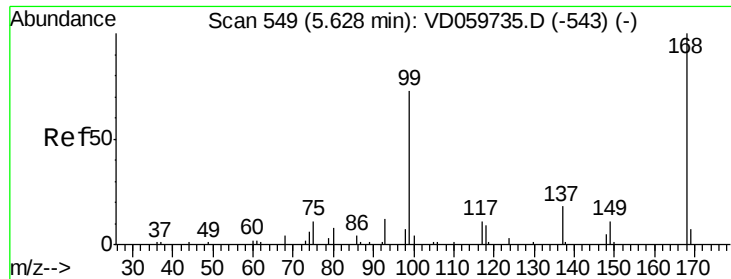
Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD081318\
Data File : VD059740.D
Acq On : 13 Aug 2018 17:23
Operator : VA/AP
Sample : VSTDCCC050
Misc : 5.00g/5ml/MSVOA D/SOIL
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Quant Time: Aug 13 17:43:07 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D081018S.M
Quant Title : SW846 8260
QLast Update : Sat Aug 11 05:42:24 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.34	180	139788	46.67	ug/l	95
94) Hexachlorobutadiene	14.44	225	116488	46.40	ug/l	99
95) Naphthalene	14.52	128	203137	50.36	ug/l	99
96) 1,2,3-Trichlorobenzene	14.65	180	124067	48.45	ug/l	96

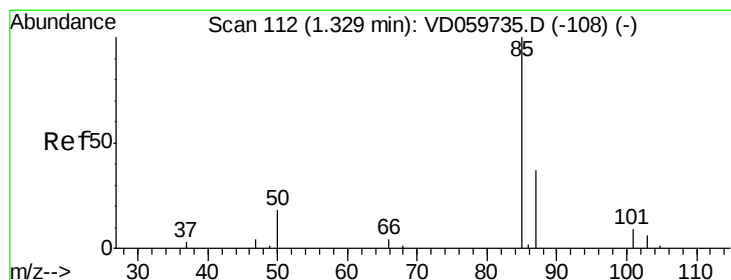
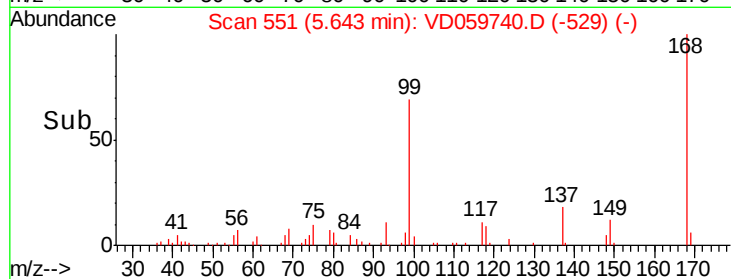
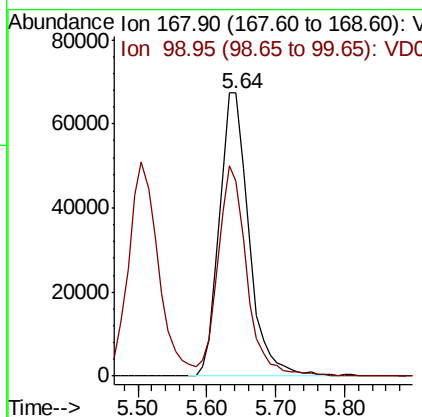
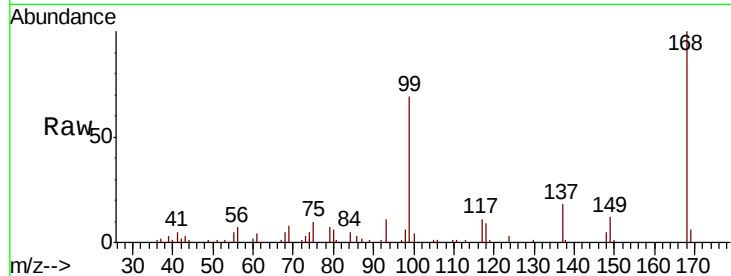
(#) = qualifier out of range (m) = manual integration (+) = signals summed



#1
Pentafluorobenzene
Concen: 50.00 ug/l
RT: 5.64 min Scan# 551
Delta R.T. 0.01 min
Lab File: VD059740.D
Acq: 13 Aug 2018 17:23

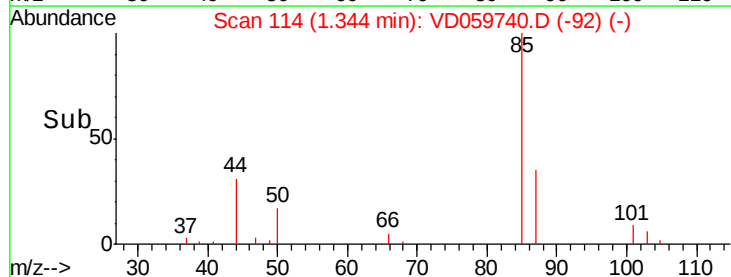
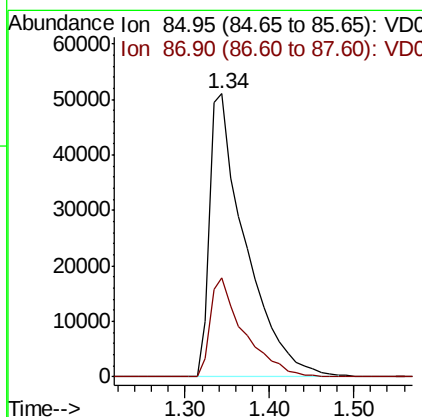
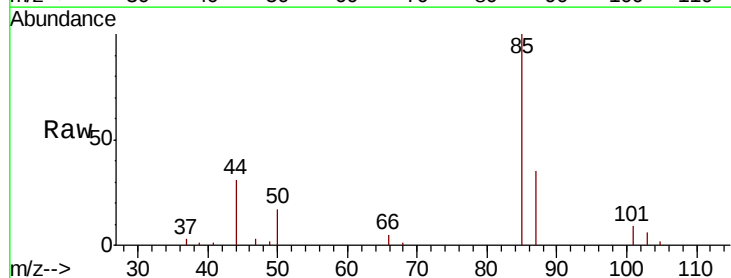
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

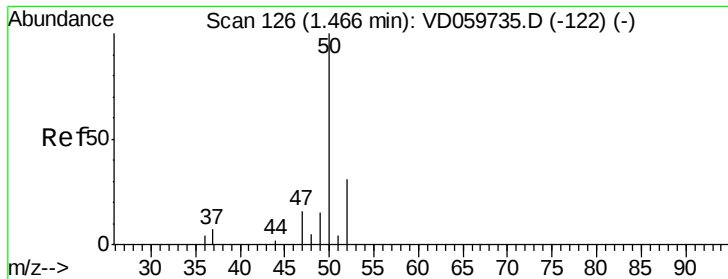
Tot Ion:168 Resp: 200503
Ion Ratio Lower Upper
168 100
99 68.9 61.4 92.2



#2
Dichlorodifluoromethane
Concen: 50.43 ug/l
RT: 1.34 min Scan# 114
Delta R.T. 0.01 min
Lab File: VD059740.D
Acq: 13 Aug 2018 17:23

Tgt Ion: 85 Resp: 151266
Ion Ratio Lower Upper
85 100
87 34.9 18.3 54.8





#3

Chloromethane

Concen: 58.25 ug/l

RT: 1.48 min Scan# 128

Delta R.T. 0.01 min

Lab File: VD059740.D

Acq: 13 Aug 2018 17:23

Instrument :

MSVOA_D

ClientSampleId :

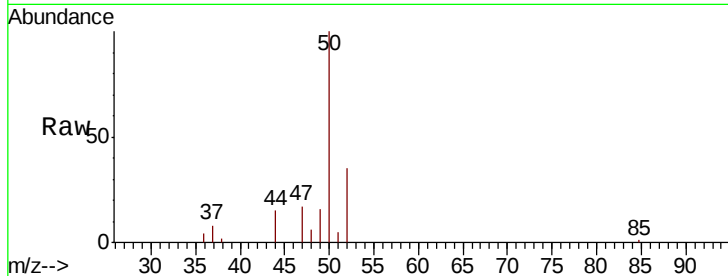
VSTDCCC050

Tot Ion: 50 Resp: 66200

Ion Ratio Lower Upper

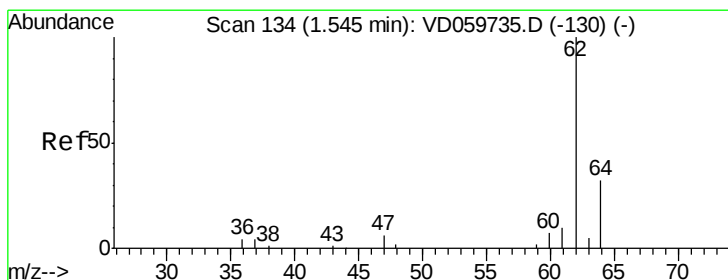
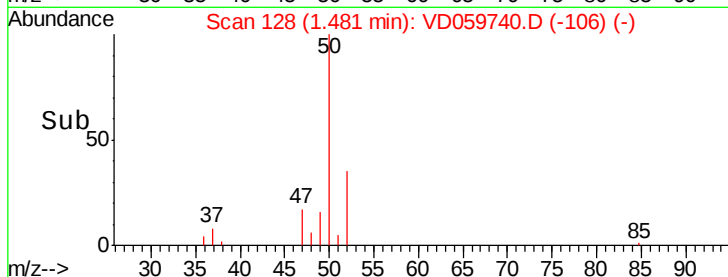
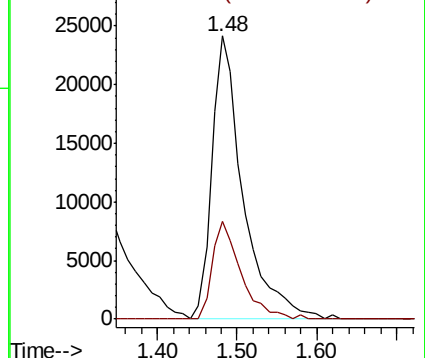
50 100

52 34.6 24.8 37.2



Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC



#4

Vinyl Chloride

Concen: 57.23 ug/l

RT: 1.55 min Scan# 135

Delta R.T. 0.01 min

Lab File: VD059740.D

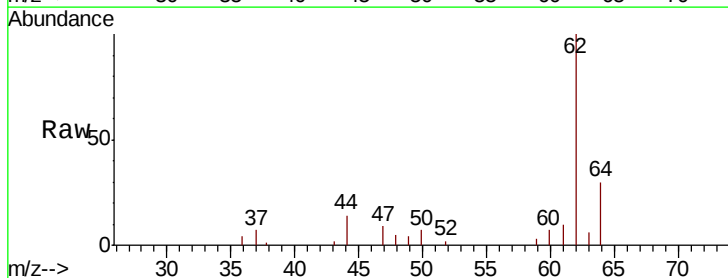
Acq: 13 Aug 2018 17:23

Tgt Ion: 62 Resp: 82139

Ion Ratio Lower Upper

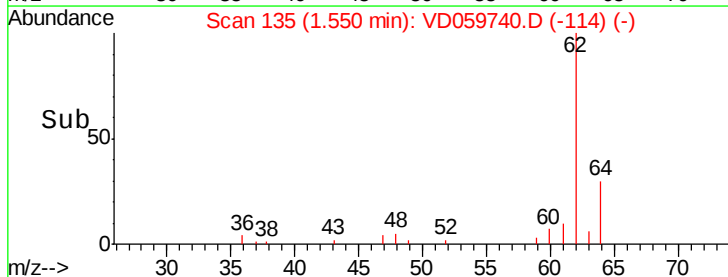
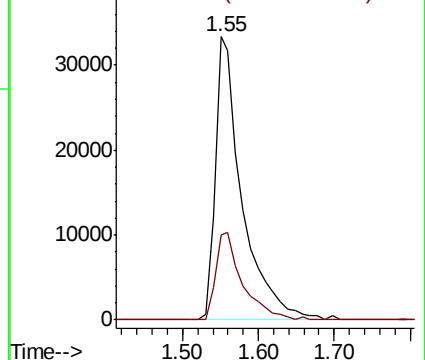
62 100

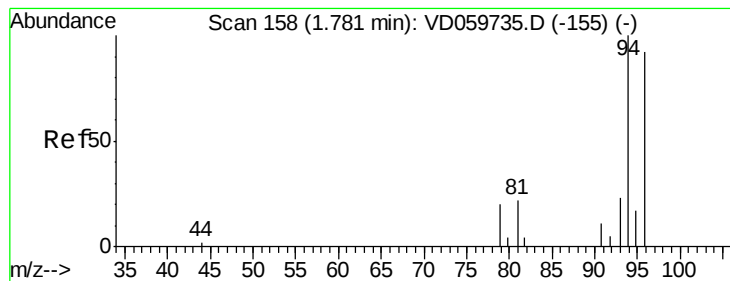
64 30.1 25.3 37.9



Abundance Ion 61.95 (61.65 to 62.65): VDC

Ion 63.95 (63.65 to 64.65): VDC





#5

Bromomethane

Concen: 62.08 ug/l

RT: 1.79 min Scan# 159

Delta R.T. 0.01 min

Lab File: VD059740.D

Acq: 13 Aug 2018 17:23

Instrument :

MSVOA_D

ClientSampleId :

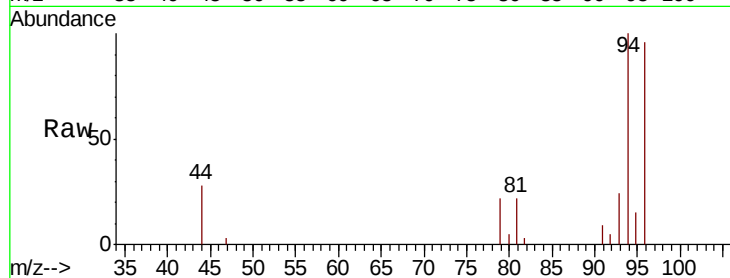
VSTDCCC050

Tot Ion: 94 Resp: 37417

Ion Ratio Lower Upper

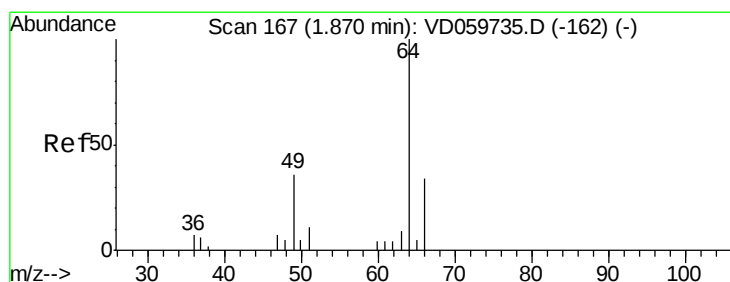
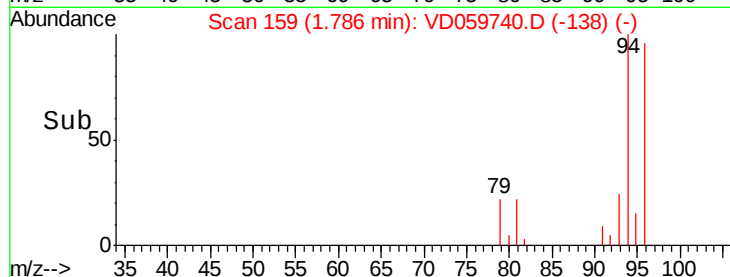
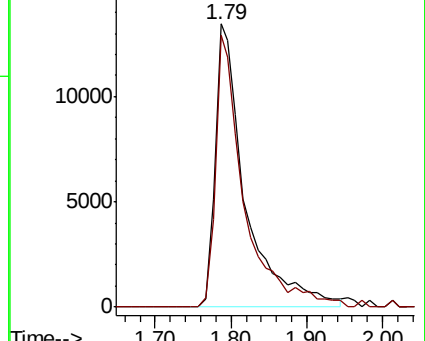
94 100

96 95.9 73.4 110.2



Abundance Ion 93.90 (93.60 to 94.60): VDC

Ion 95.90 (95.60 to 96.60): VDC



#6

Chloroethane

Concen: 58.14 ug/l

RT: 1.87 min Scan# 168

Delta R.T. 0.01 min

Lab File: VD059740.D

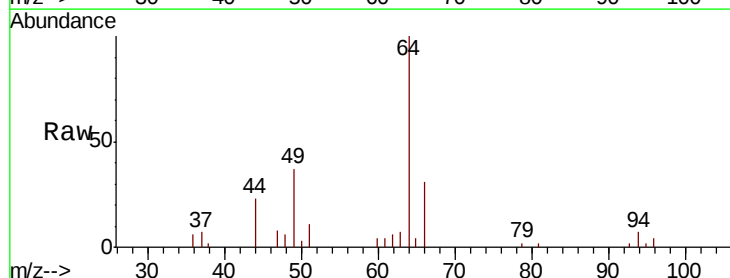
Acq: 13 Aug 2018 17:23

Tgt Ion: 64 Resp: 42948

Ion Ratio Lower Upper

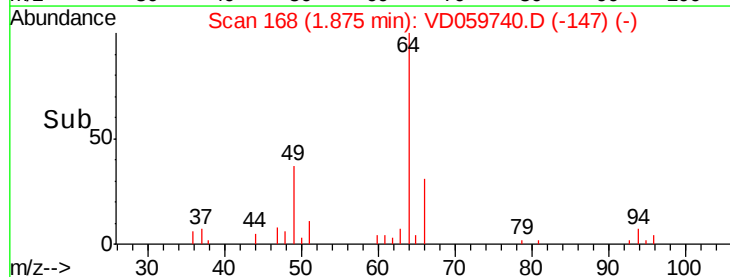
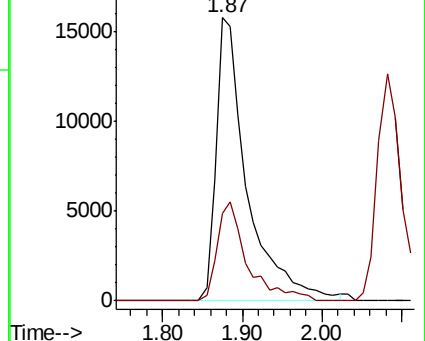
64 100

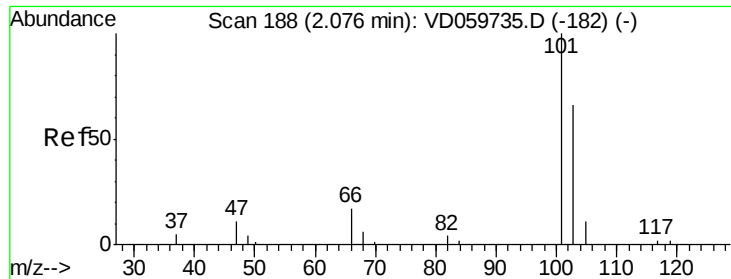
66 31.0 26.9 40.3



Abundance Ion 63.95 (63.65 to 64.65): VDC

Ion 65.90 (65.60 to 66.60): VDC



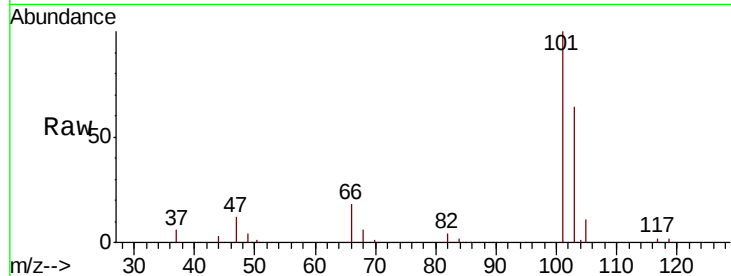


#7

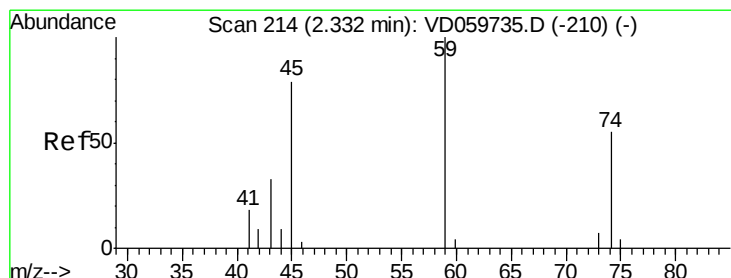
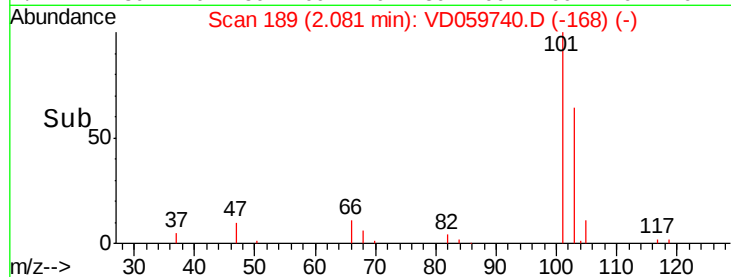
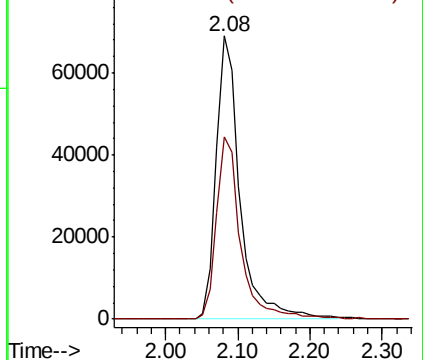
Trichlorofluoromethane
 Concen: 51.04 ug/l
 RT: 2.08 min Scan# 189
 Delta R.T. 0.01 min
 Lab File: VD059740.D
 Acq: 13 Aug 2018 17:23

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion:101 Resp: 157141
 Ion Ratio Lower Upper
 101 100
 103 64.4 52.4 78.6



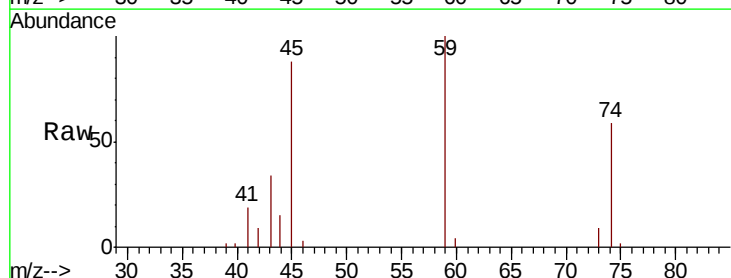
Abundance Ion 100.85 (100.55 to 101.55): V
 Ion 102.85 (102.55 to 103.55): V



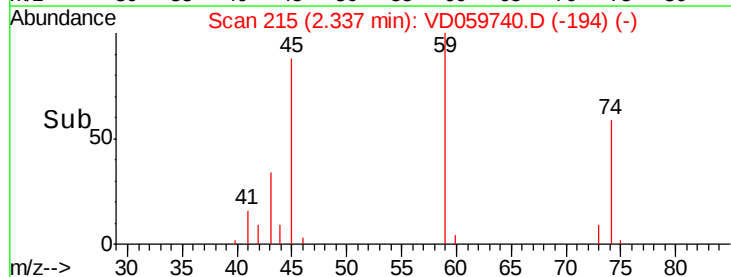
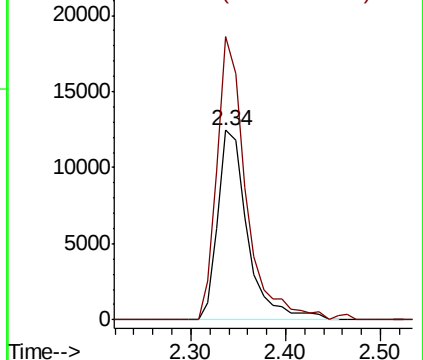
#8

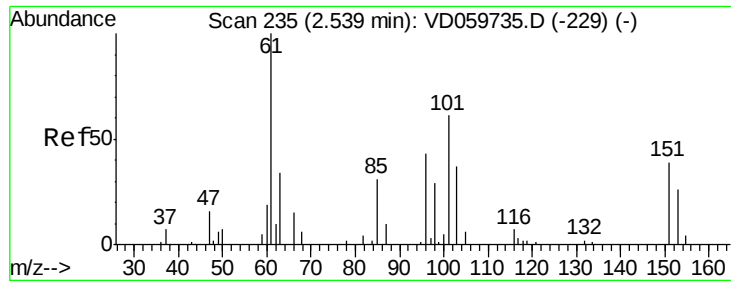
Diethyl Ether
 Concen: 54.71 ug/l
 RT: 2.34 min Scan# 215
 Delta R.T. 0.01 min
 Lab File: VD059740.D
 Acq: 13 Aug 2018 17:23

Tgt Ion: 74 Resp: 27216
 Ion Ratio Lower Upper
 74 100
 45 149.3 71.1 213.3



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: 53.37 ug/l

RT: 2.55 min Scan# 237

Delta R.T. 0.01 min

Lab File: VD059740.D

Acq: 13 Aug 2018 17:23

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

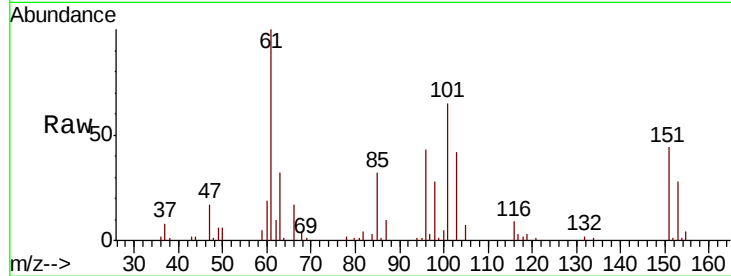
Tot Ion:101 Resp: 84259

Ion Ratio Lower Upper

101 100

85 49.1 39.7 59.5

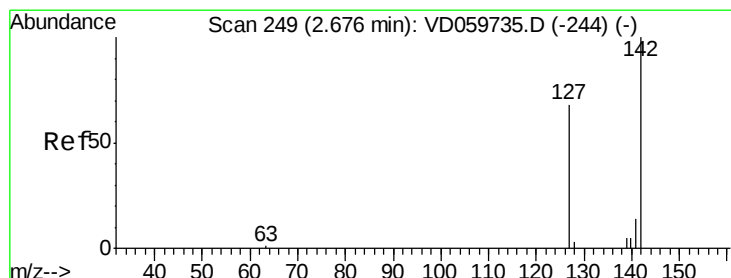
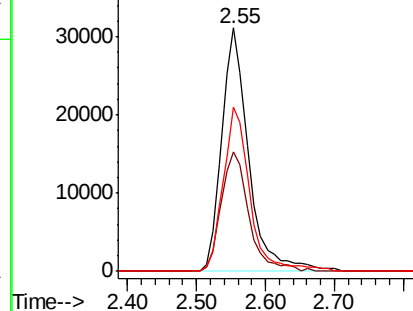
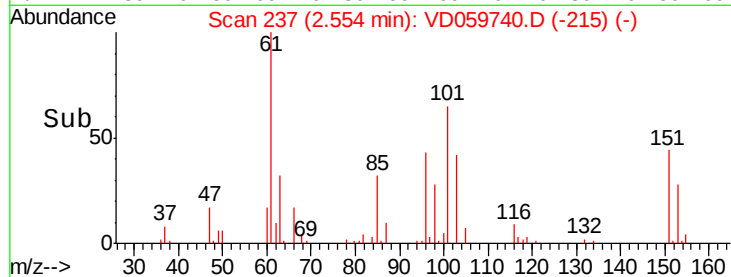
151 67.5 50.8 76.2



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: 45.53 ug/l

RT: 2.69 min Scan# 251

Delta R.T. 0.02 min

Lab File: VD059740.D

Acq: 13 Aug 2018 17:23

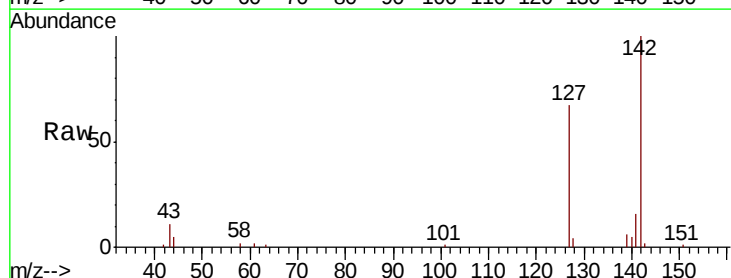
Tgt Ion:142 Resp: 90340

Ion Ratio Lower Upper

142 100

127 67.0 54.0 81.0

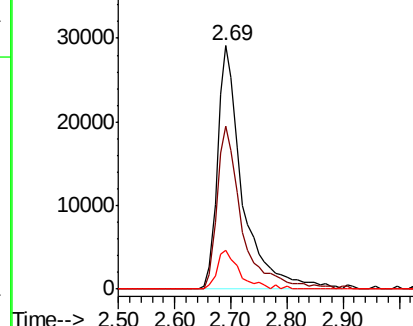
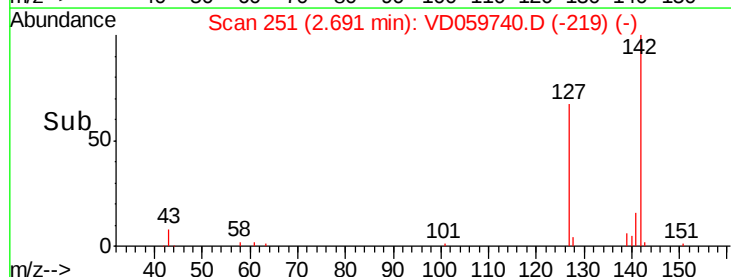
141 15.9 11.0 16.4

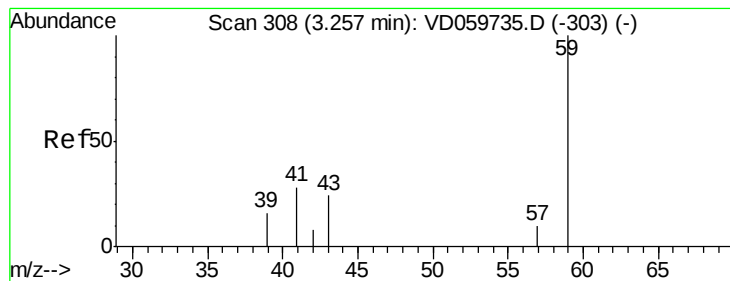


Abundance Ion 141.85 (141.55 to 142.55): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.85 (140.55 to 141.55): V



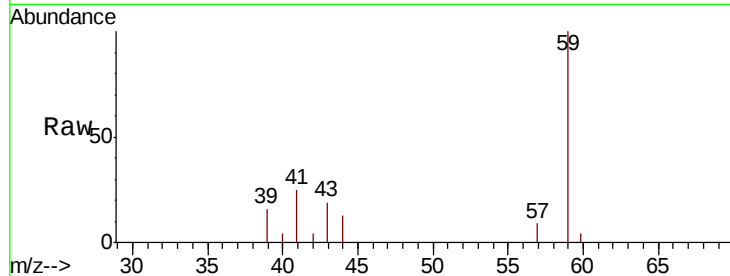


#11

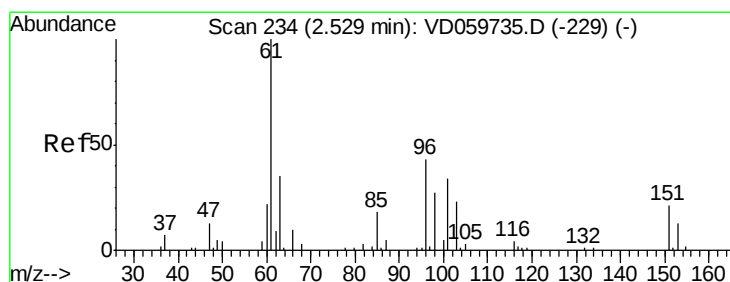
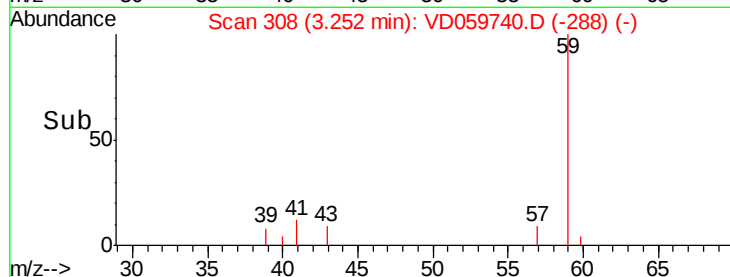
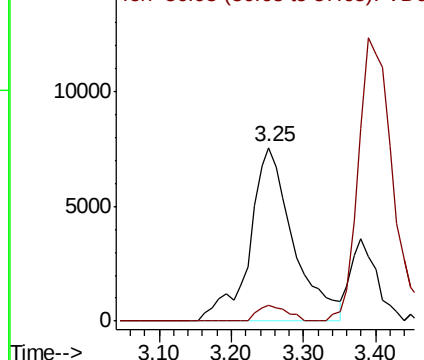
Tert butyl alcohol
 Concen: 292.76 ug/l
 RT: 3.25 min Scan# 308
 Delta R.T. -0.00 min
 Lab File: VD059740.D
 Acq: 13 Aug 2018 17:23

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion: 59 Resp: 31840
 Ion Ratio Lower Upper
 59 100
 57 8.9 7.3 10.9



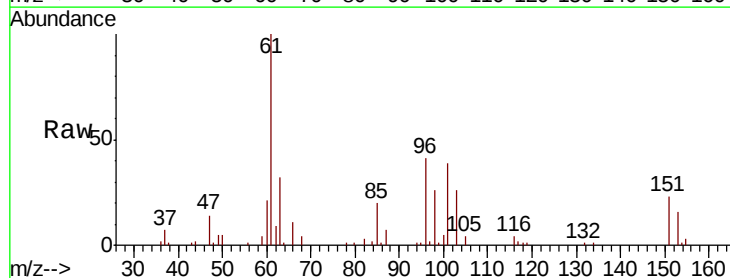
Abundance Ion 58.95 (58.65 to 59.65): VDC
 Ion 56.95 (56.65 to 57.65): VDC



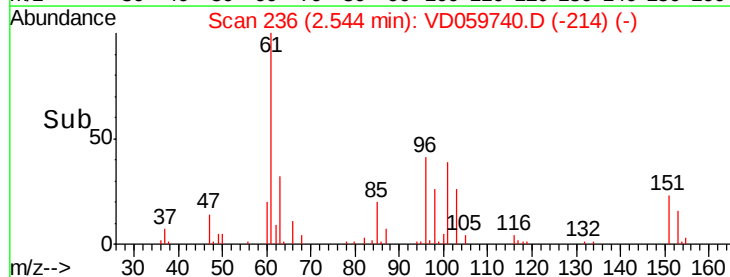
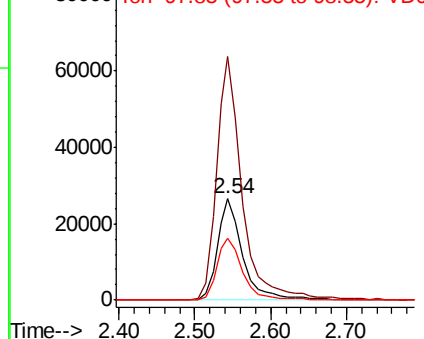
#12

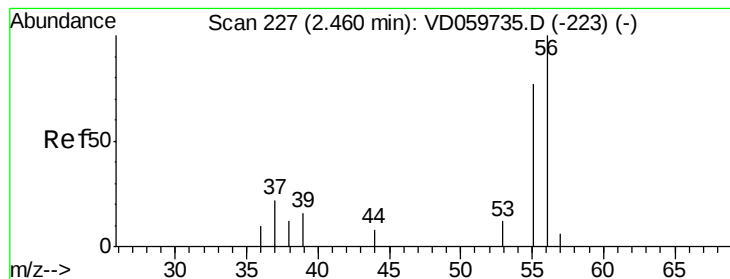
1,1-Dichloroethene
 Concen: 54.32 ug/l
 RT: 2.54 min Scan# 236
 Delta R.T. 0.01 min
 Lab File: VD059740.D
 Acq: 13 Aug 2018 17:23

Tgt Ion: 96 Resp: 61313
 Ion Ratio Lower Upper
 96 100
 61 241.1 187.2 280.8
 98 61.9 50.4 75.6



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





#13

Acrolein

Concen: 248.73 ug/l

RT: 2.47 min Scan# 228

Delta R.T. 0.01 min

Lab File: VD059740.D

Acq: 13 Aug 2018 17:23

Instrument :

MSVOA_D

ClientSampleId :

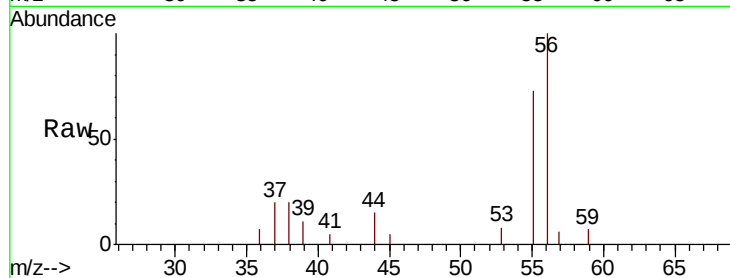
VSTDCCC050

Tot Ion: 56 Resp: 16112

Ion Ratio Lower Upper

56 100

55 73.4 61.4 92.2



Abundance Ion 55.95 (55.65 to 56.65): VDC

Ion 55.00 (54.70 to 55.70): VDC

2.47

6000

4000

2000

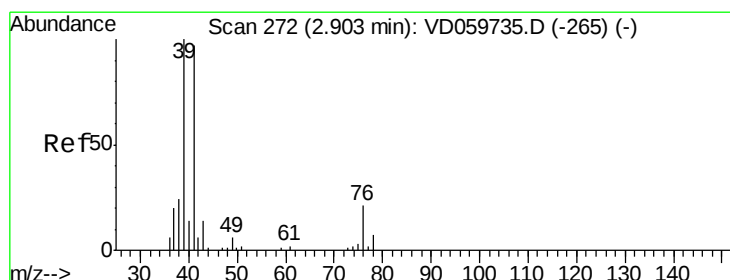
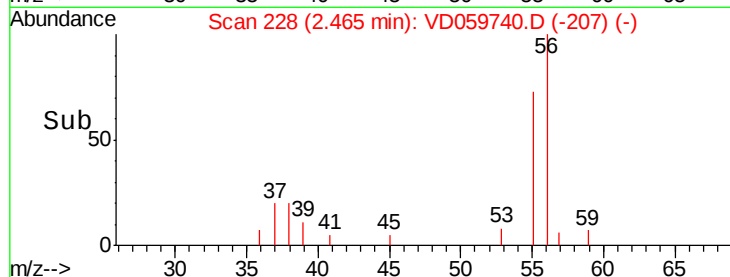
0

Time-->

2.40

2.50

2.60



#14

Allyl chloride

Concen: 53.44 ug/l

RT: 2.92 min Scan# 274

Delta R.T. 0.01 min

Lab File: VD059740.D

Acq: 13 Aug 2018 17:23

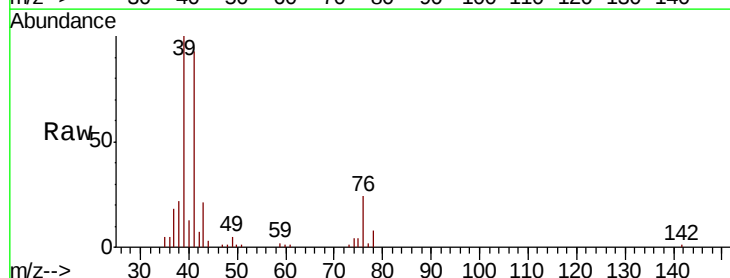
Tgt Ion: 41 Resp: 133272

Ion Ratio Lower Upper

41 100

39 107.0 82.9 124.3

76 25.7 22.2 33.2



Abundance Ion 41.05 (40.75 to 41.75): VDC

Ion 38.95 (38.65 to 39.65): VDC

Ion 75.95 (75.65 to 76.65): VDC

100000

80000

60000

40000

20000

0

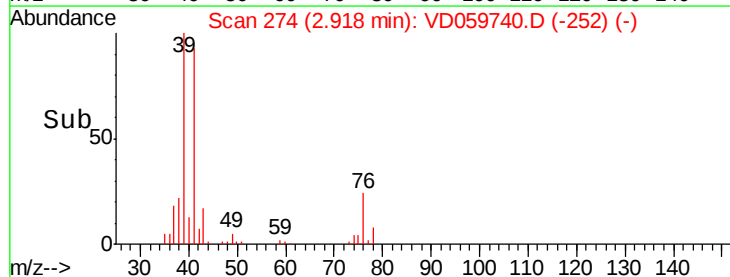
Time-->

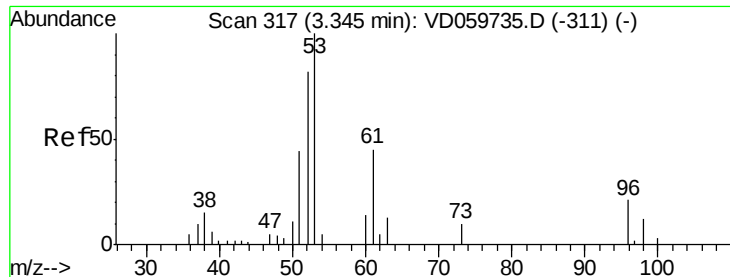
2.80

2.90

3.00

3.10





#15

Acrylonitrile

Concen: 269.58 ug/l

RT: 3.35 min Scan# 318

Delta R.T. 0.01 min

Lab File: VD059740.D

Acq: 13 Aug 2018 17:23

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

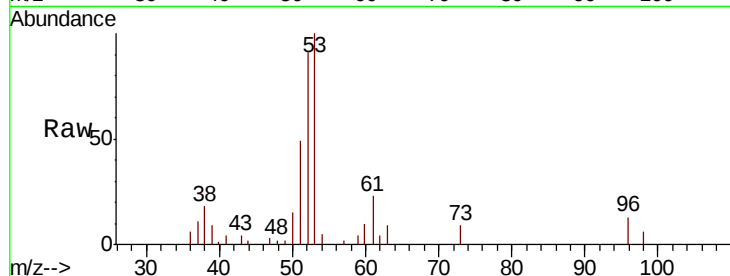
Tot Ion: 53 Resp: 72478

Ion Ratio Lower Upper

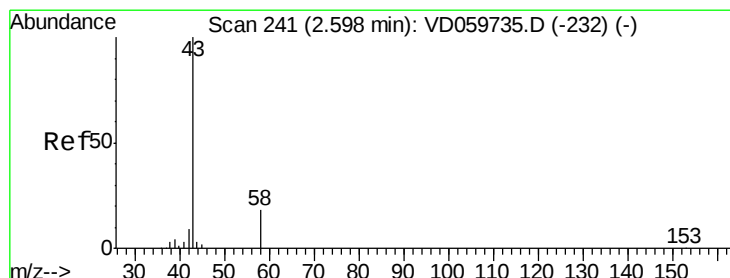
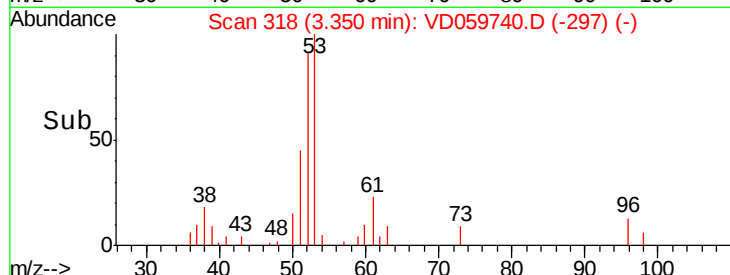
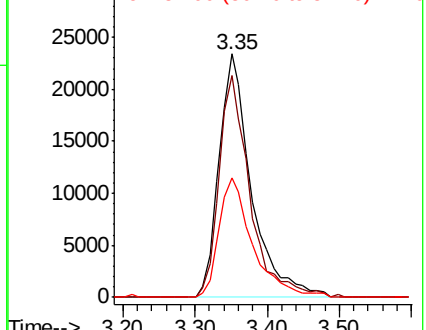
53 100

52 91.1 65.8 98.6

51 49.0 35.1 52.7



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: 308.79 ug/l

RT: 2.60 min Scan# 242

Delta R.T. 0.01 min

Lab File: VD059740.D

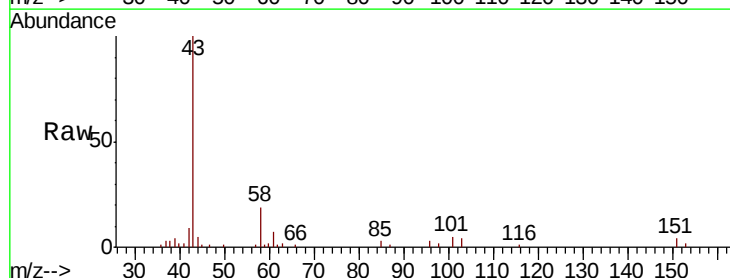
Acq: 13 Aug 2018 17:23

Tgt Ion: 43 Resp: 158309

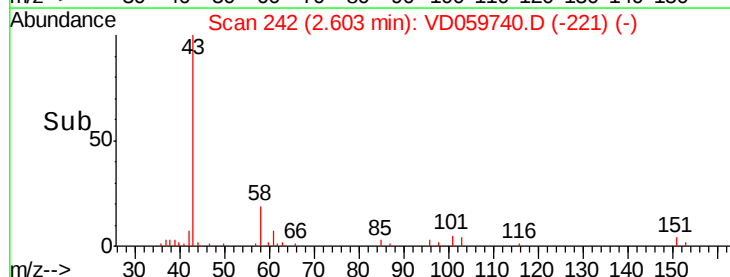
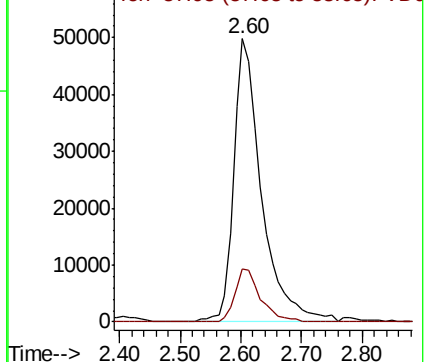
Ion Ratio Lower Upper

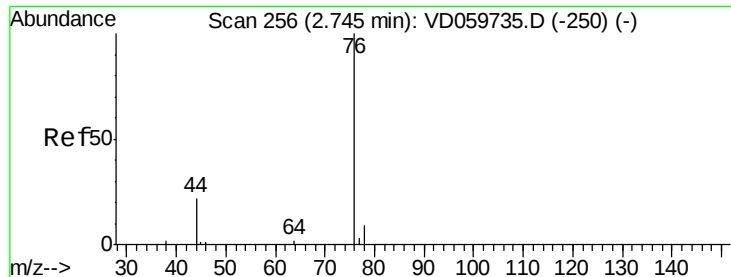
43 100

58 18.6 14.6 21.8



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

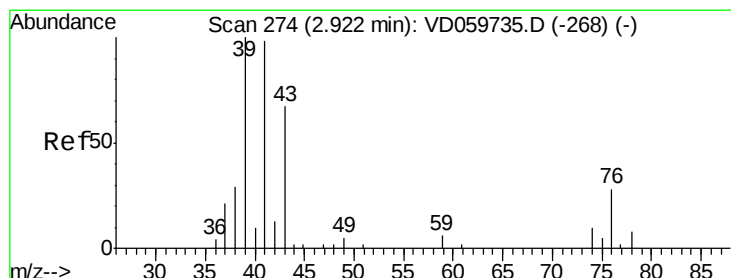
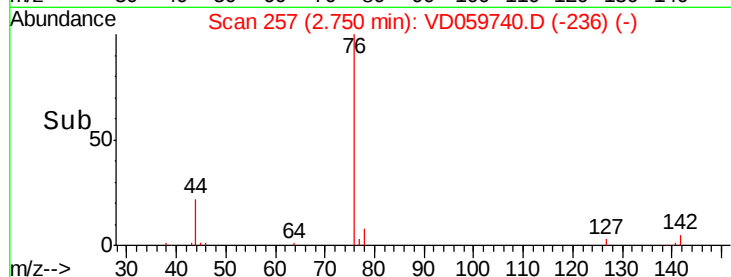
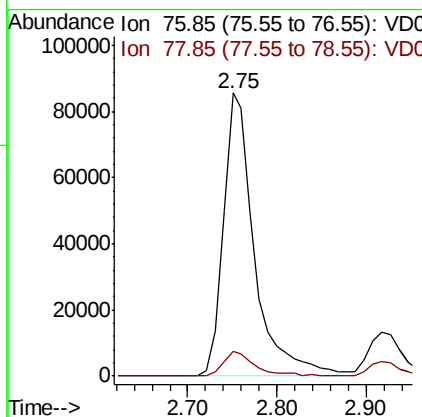
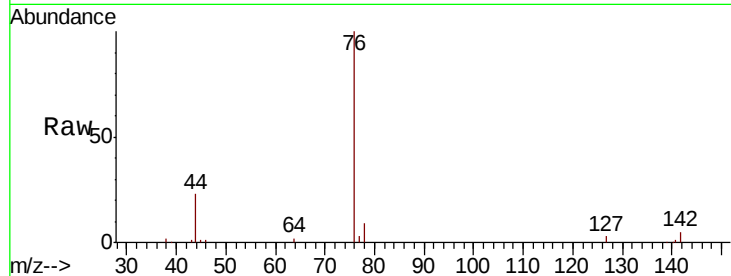




#17
Carbon Disulfide
Concen: 55.23 ug/l
RT: 2.75 min Scan# 257
Delta R.T. 0.01 min
Lab File: VD059740.D
Acq: 13 Aug 2018 17:23

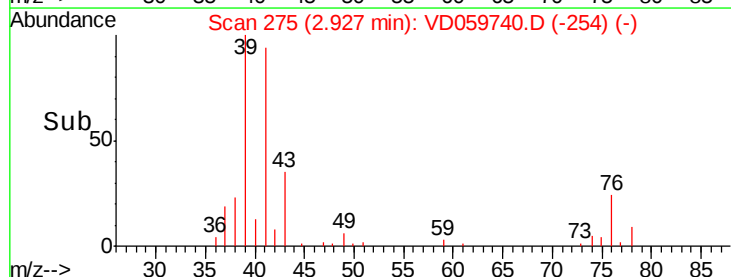
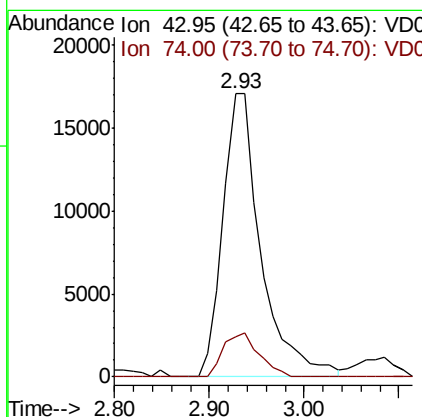
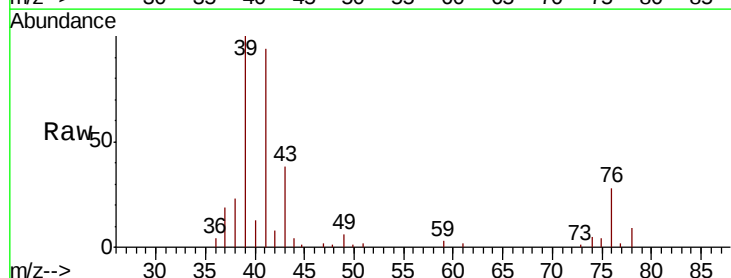
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

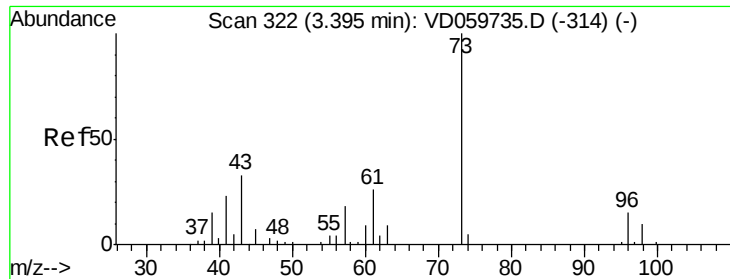
Tot Ion: 76 Resp: 208975
Ion Ratio Lower Upper
76 100
78 8.8 7.0 10.6



#18
Methyl Acetate
Concen: 48.28 ug/l
RT: 2.93 min Scan# 275
Delta R.T. 0.01 min
Lab File: VD059740.D
Acq: 13 Aug 2018 17:23

Tgt Ion: 43 Resp: 47543
Ion Ratio Lower Upper
43 100
74 14.1 12.1 18.1

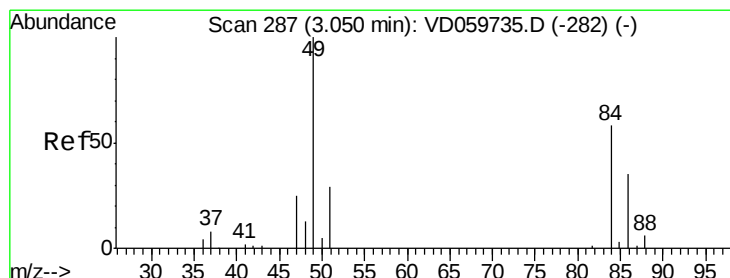
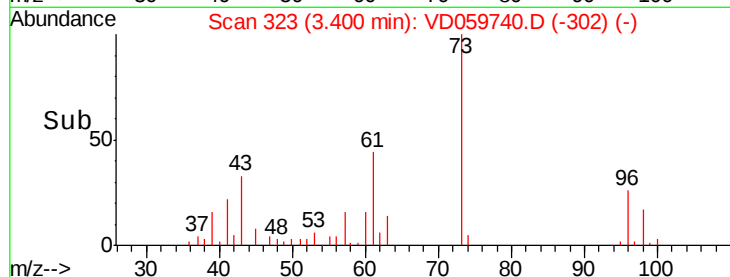
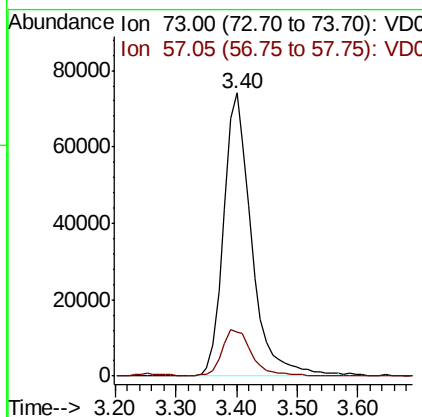
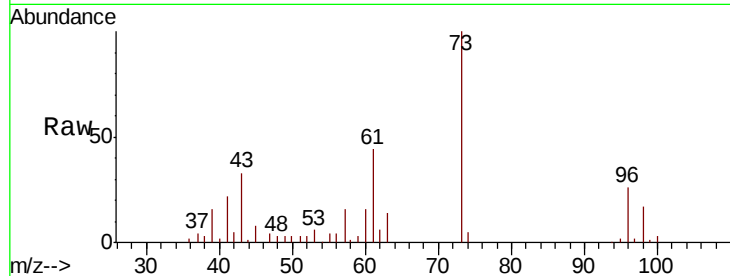




#19
Methvl tert-butvl Ether
Concen: 53.66 ug/l
RT: 3.40 min Scan# 323
Delta R.T. 0.01 min
Lab File: VD059740.D
Acq: 13 Aug 2018 17:23

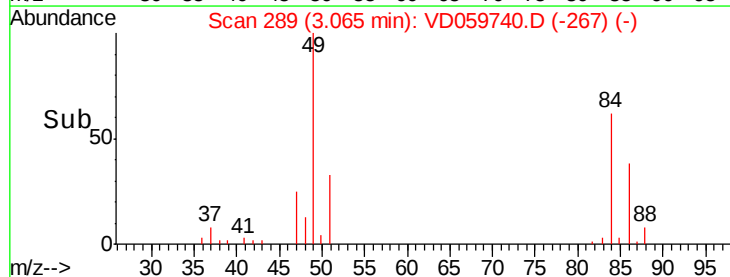
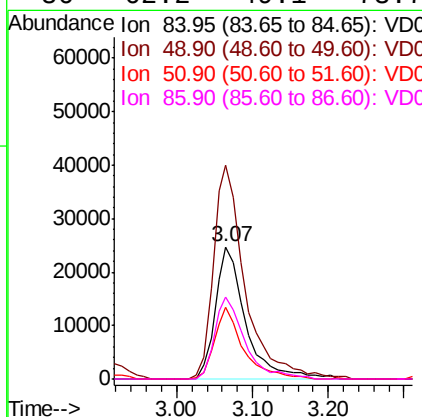
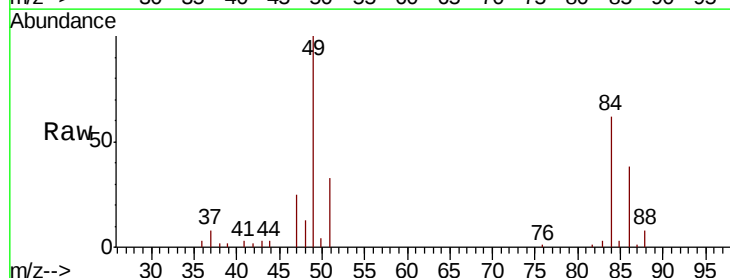
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

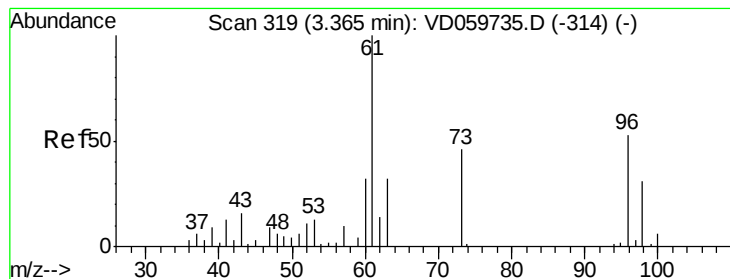
Tot Ion: 73 Resp: 237008
Ion Ratio Lower Upper
73 100
57 15.7 14.8 22.2



#20
Methylene Chloride
Concen: 46.42 ug/l
RT: 3.07 min Scan# 289
Delta R.T. 0.01 min
Lab File: VD059740.D
Acq: 13 Aug 2018 17:23

Tgt Ion: 84 Resp: 68703
Ion Ratio Lower Upper
84 100
49 161.8 138.9 208.3
51 54.0 40.2 60.2
86 62.2 49.1 73.7





#21

trans-1,2-Dichloroethene

Concen: 61.35 ug/l

RT: 3.38 min Scan# 321

Delta R.T. 0.01 min

Lab File: VD059740.D

Acq: 13 Aug 2018 17:23

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

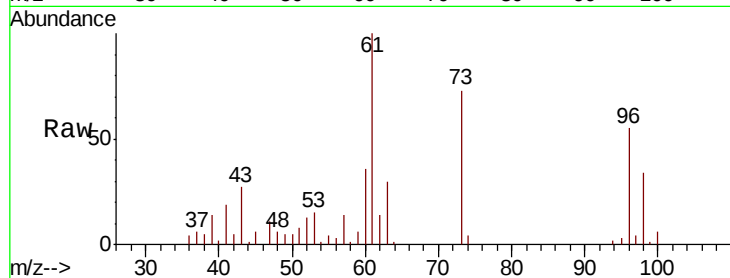
Tot Ion: 96 Resp: 87787

Ion Ratio Lower Upper

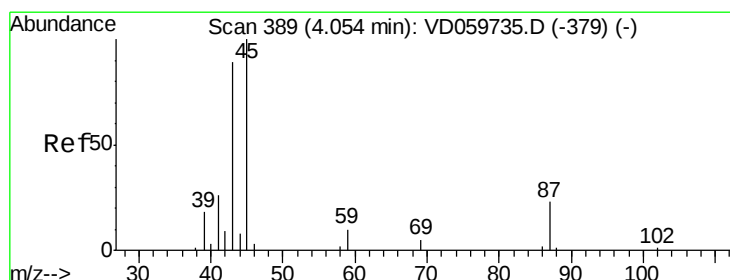
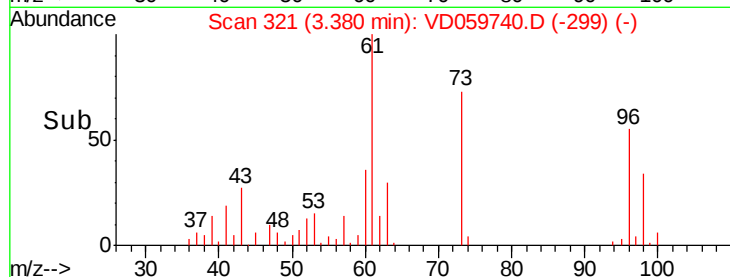
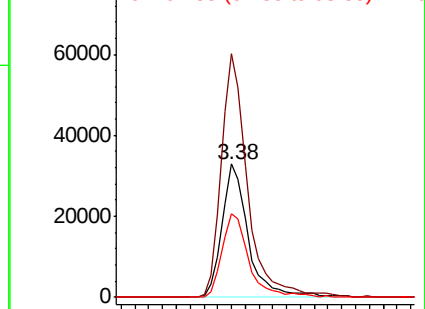
96 100

61 182.5 152.0 228.0

98 62.8 47.4 71.2



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: 57.24 ug/l

RT: 4.07 min Scan# 391

Delta R.T. 0.01 min

Lab File: VD059740.D

Acq: 13 Aug 2018 17:23

Tgt Ion: 45 Resp: 269987

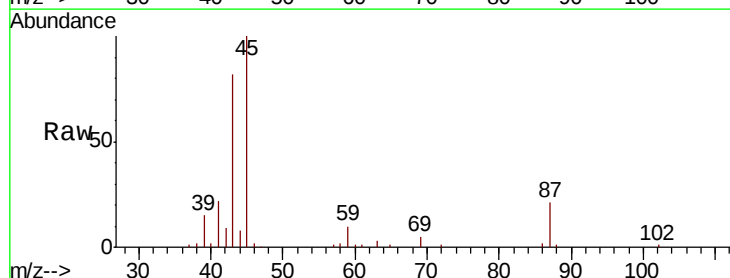
Ion Ratio Lower Upper

45 100

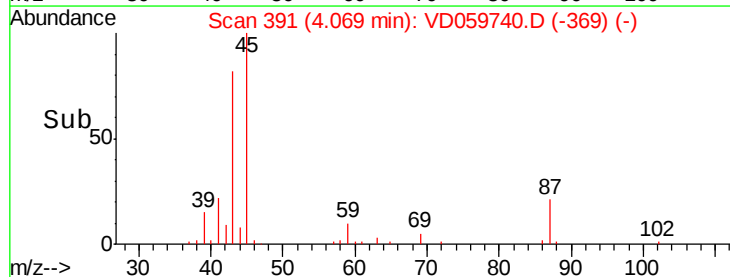
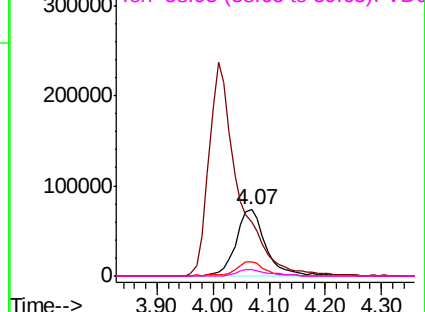
43 81.9 75.5 113.3

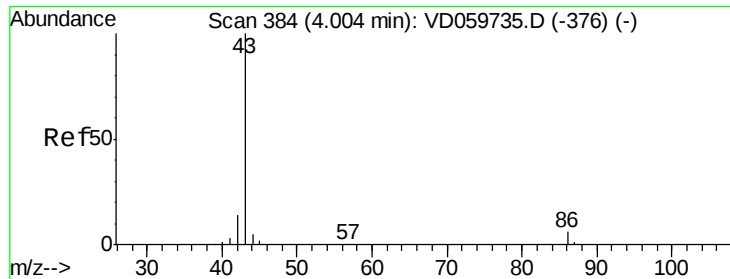
87 21.3 19.4 29.0

59 9.6 8.5 12.7



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: 271.30 ug/l

RT: 4.01 min Scan# 385

Delta R.T. 0.01 min

Lab File: VD059740.D

Acq: 13 Aug 2018 17:23

Instrument :

MSVOA_D

ClientSampled :

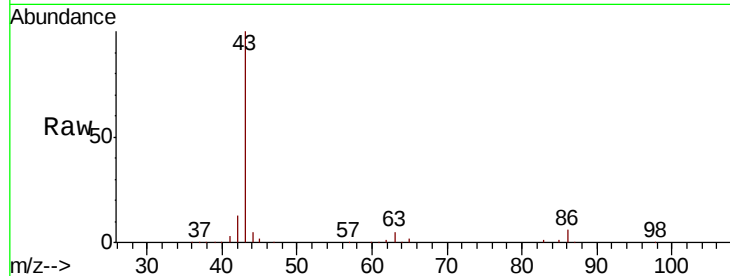
VSTDCCC050

Tot Ion: 43 Resp: 866000

Ion Ratio Lower Upper

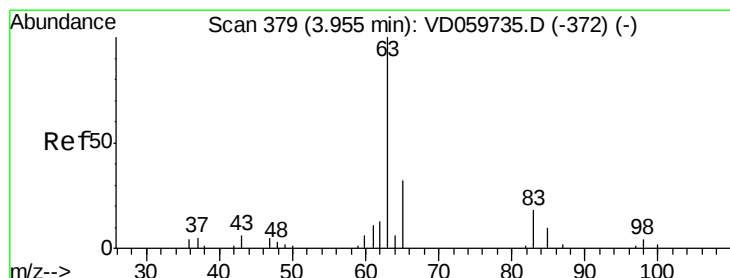
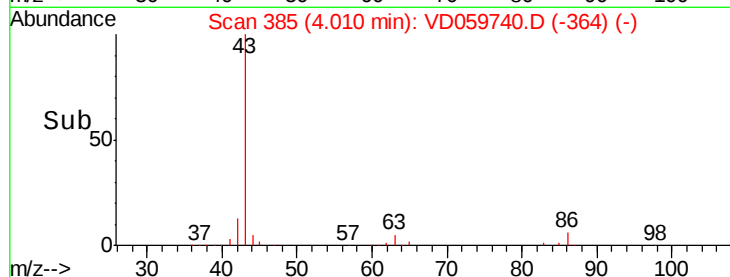
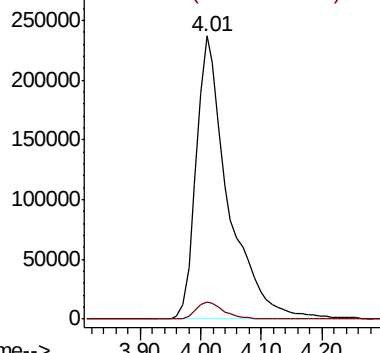
43 100

86 5.9 5.0 7.4



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 86.00 (85.70 to 86.70): VDC



#24

1,1-Dichloroethane

Concen: 52.69 ug/l

RT: 3.97 min Scan# 381

Delta R.T. 0.01 min

Lab File: VD059740.D

Acq: 13 Aug 2018 17:23

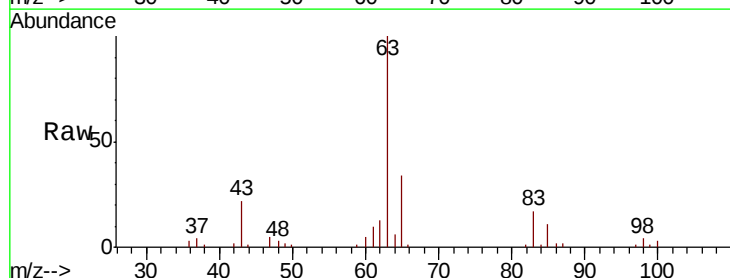
Tgt Ion: 63 Resp: 183572

Ion Ratio Lower Upper

63 100

98 4.1 1.8 5.5

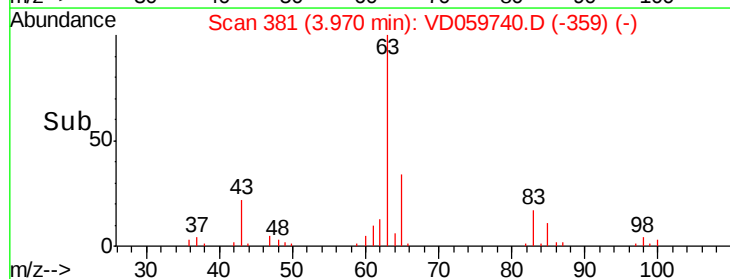
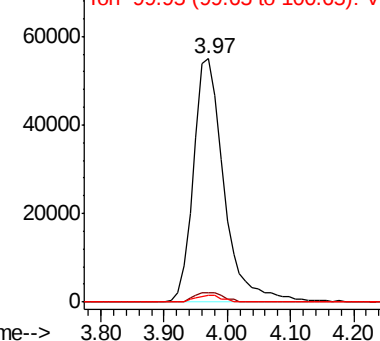
100 2.8 1.1 3.1

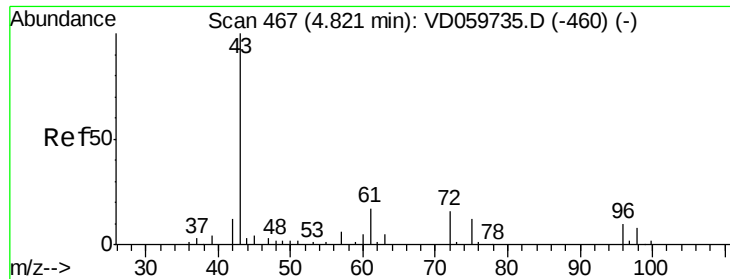


Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 97.95 (97.65 to 98.65): VDC

Ion 99.95 (99.65 to 100.65): VDC





#25

2-Butanone

Concen: 304.85 ug/l

RT: 4.83 min Scan# 468

Delta R.T. 0.01 min

Lab File: VD059740.D

Acq: 13 Aug 2018 17:23

Instrument :

MSVOA_D

ClientSampleId :

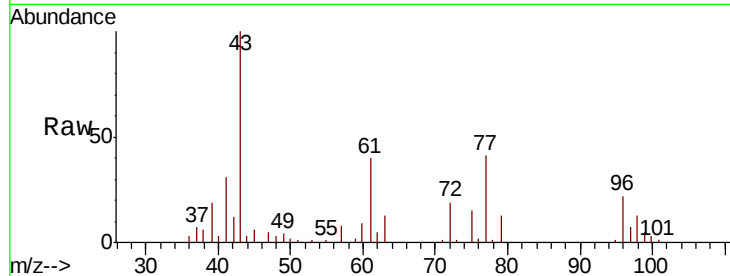
VSTDCCC050

Tot Ion: 43 Resp: 167982

Ion Ratio Lower Upper

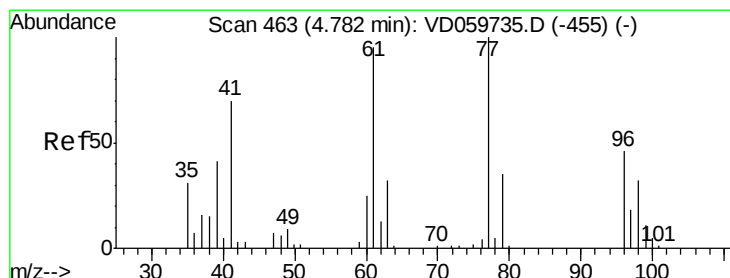
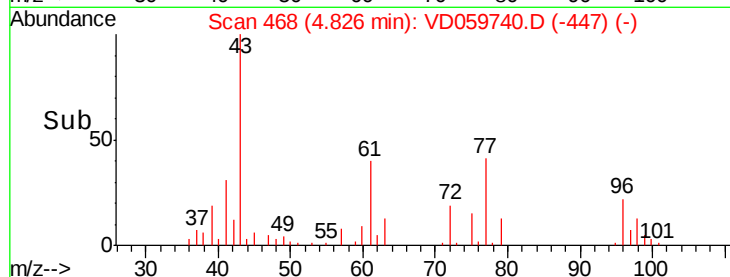
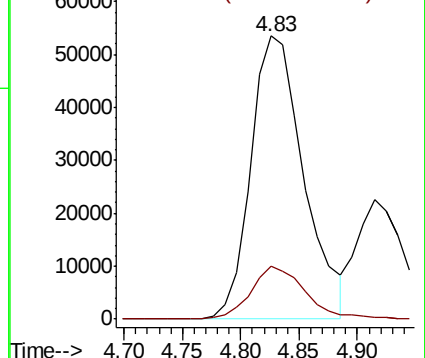
43 100

72 18.7 13.1 19.7



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 72.00 (71.70 to 72.70): VDC



#26

2,2-Dichloropropane

Concen: 53.09 ug/l

RT: 4.80 min Scan# 465

Delta R.T. 0.01 min

Lab File: VD059740.D

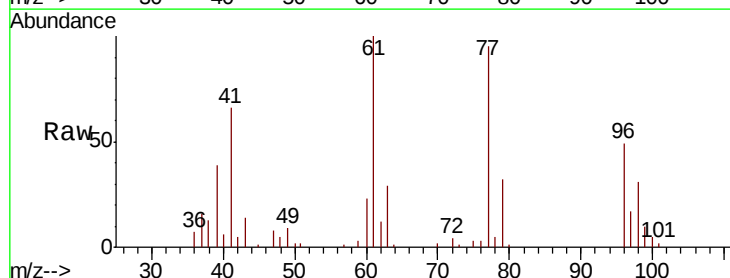
Acq: 13 Aug 2018 17:23

Tgt Ion: 77 Resp: 216196

Ion Ratio Lower Upper

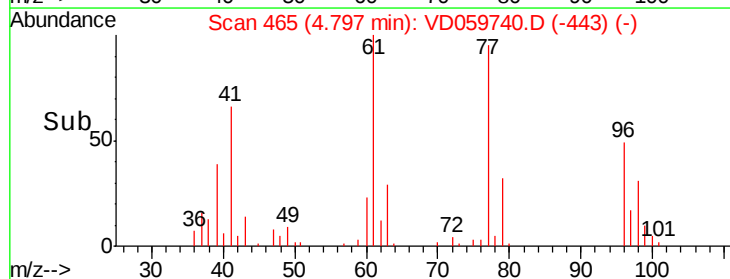
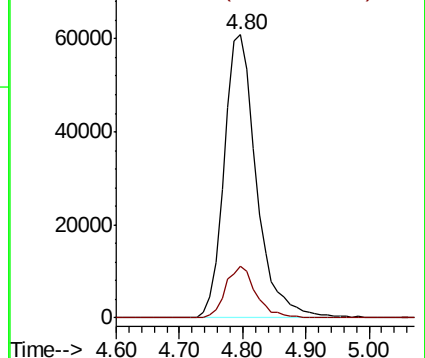
77 100

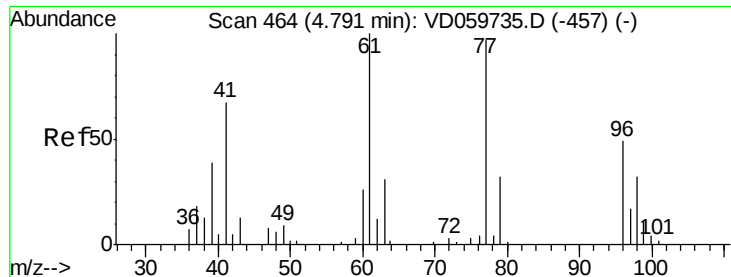
97 18.1 8.9 26.8



Abundance Ion 76.95 (76.65 to 77.65): VDC

Ion 96.85 (96.55 to 97.55): VDC



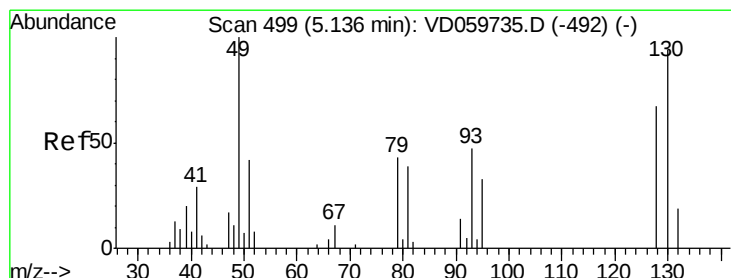
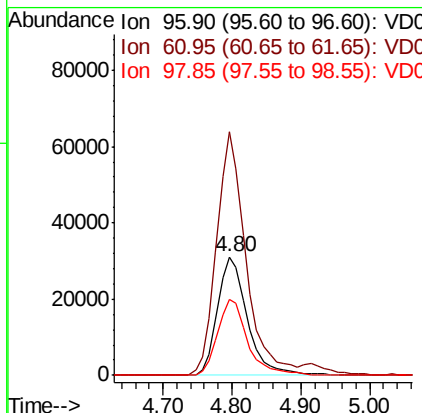
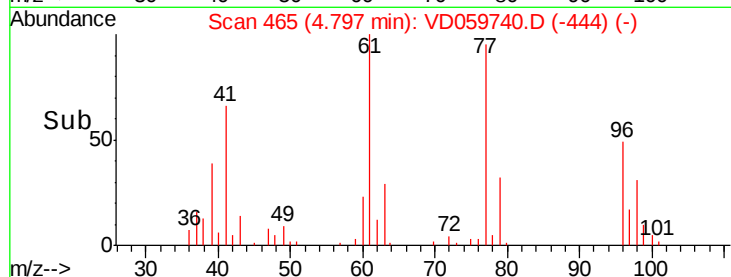
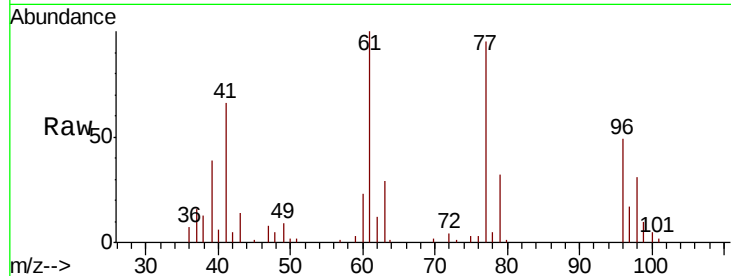


#27

cis-1,2-Dichloroethene
Concen: 53.99 ug/l
RT: 4.80 min Scan# 465
Delta R.T. 0.01 min
Lab File: VD059740.D
Acq: 13 Aug 2018 17:23

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

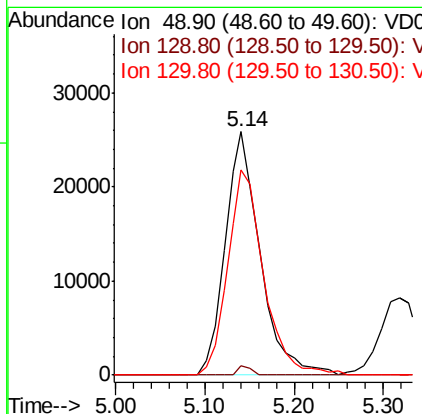
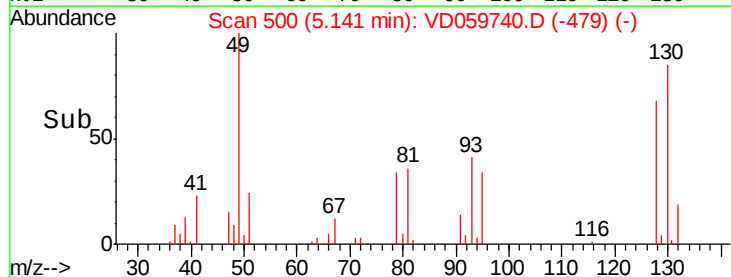
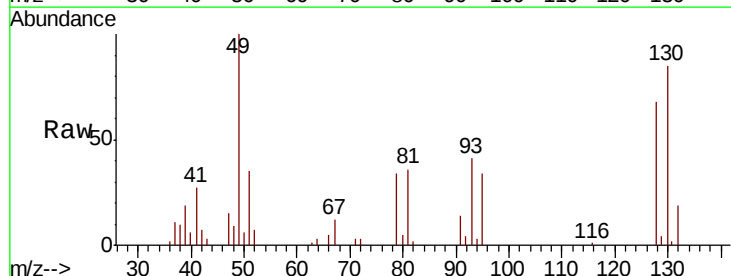
Tot Ion: 96 Resp: 93463
Ion Ratio Lower Upper
96 100
61 205.3 0.0 409.8
98 64.2 0.0 132.8

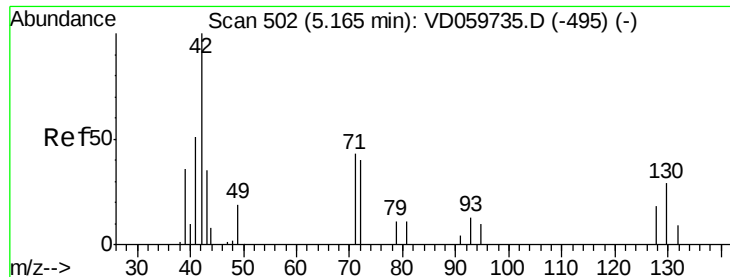


#28

Bromochloromethane
Concen: 56.53 ug/l
RT: 5.14 min Scan# 500
Delta R.T. 0.01 min
Lab File: VD059740.D
Acq: 13 Aug 2018 17:23

Tgt Ion: 49 Resp: 70909
Ion Ratio Lower Upper
49 100
129 3.7 0.0 0.0#
130 84.5 75.0 112.6

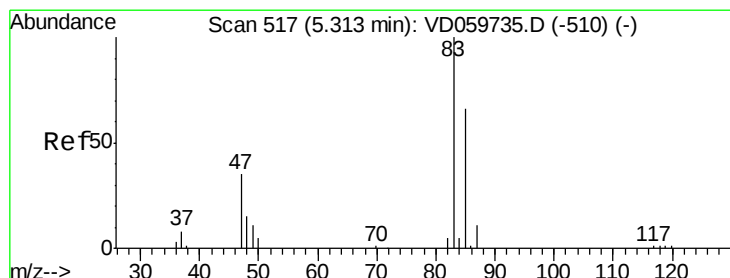
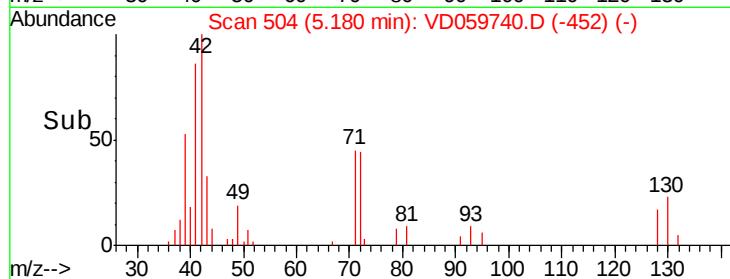
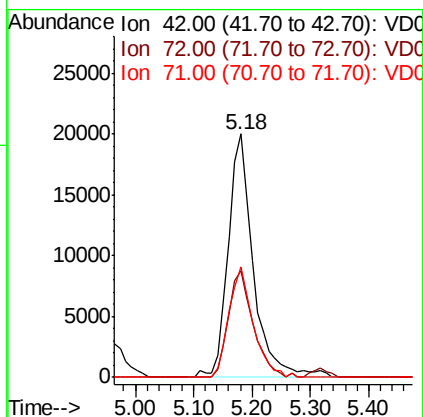
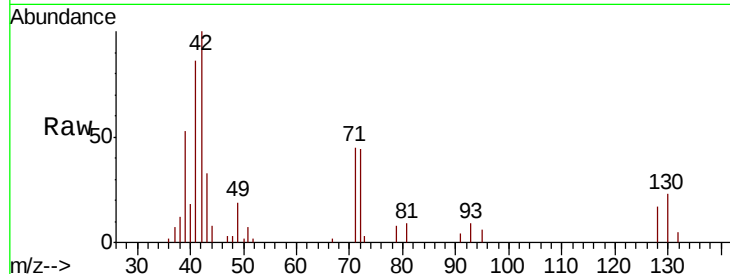




#29
Tetrahydrofuran
Concen: 291.19 ug/l
RT: 5.18 min Scan# 504
Delta R.T. 0.01 min
Lab File: VD059740.D
Acq: 13 Aug 2018 17:23

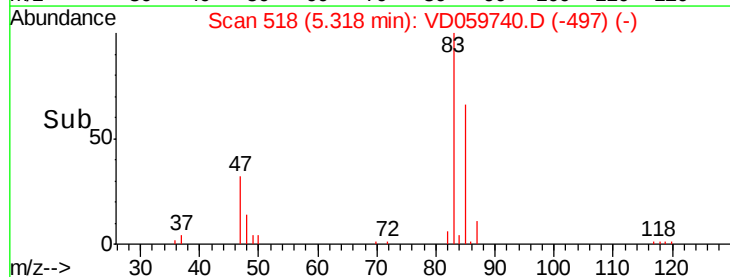
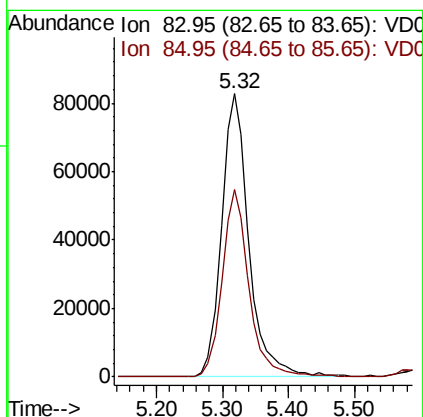
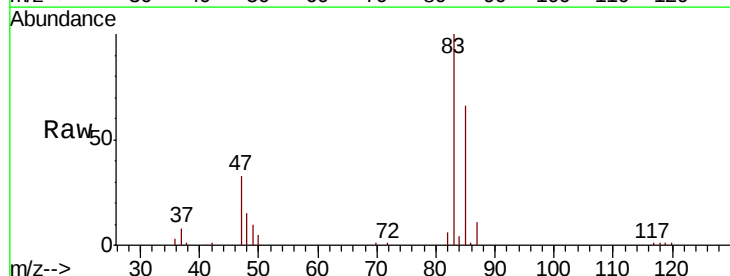
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

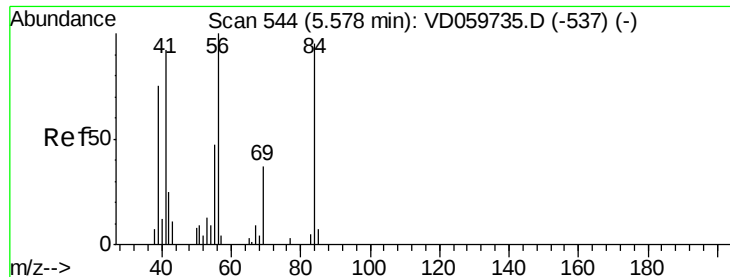
Tot Ion: 42 Resp: 59996
Ion Ratio Lower Upper
42 100
72 43.4 35.3 52.9
71 43.7 37.1 55.7



#30
Chloroform
Concen: 51.75 ug/l
RT: 5.32 min Scan# 518
Delta R.T. 0.01 min
Lab File: VD059740.D
Acq: 13 Aug 2018 17:23

Tgt Ion: 83 Resp: 238142
Ion Ratio Lower Upper
83 100
85 66.2 52.9 79.3

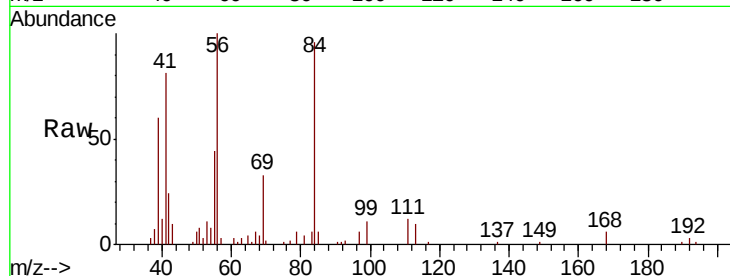




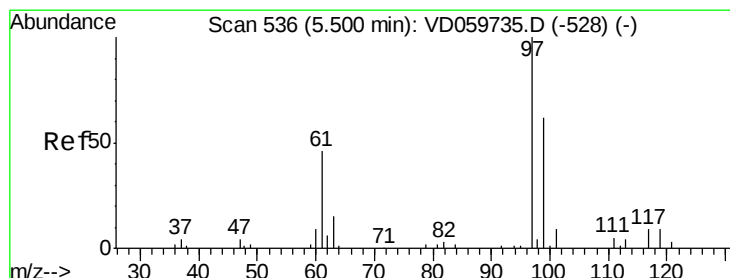
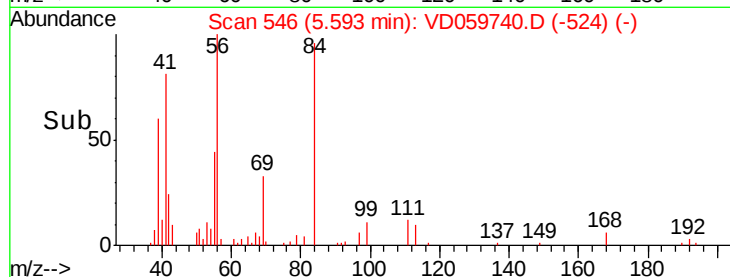
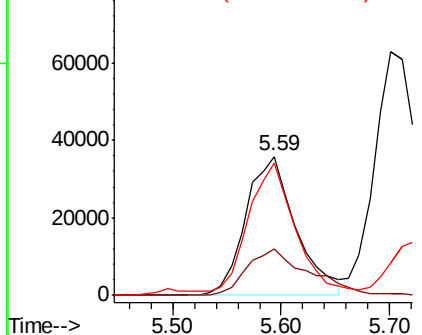
#31
Cyclohexane
Concen: 57.26 ug/l
RT: 5.59 min Scan# 546
Delta R.T. 0.01 min
Lab File: VD059740.D
Acq: 13 Aug 2018 17:23

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion: 56 Resp: 115807
Ion Ratio Lower Upper
56 100
69 33.2 29.3 43.9
84 95.6 76.2 114.2

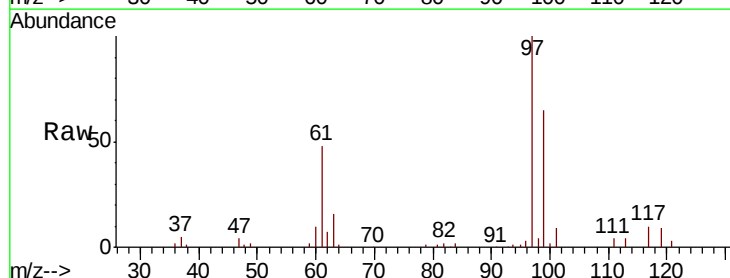


Abundance Ion 55.95 (55.65 to 56.65): VDC
Ion 69.00 (68.70 to 69.70): VDC
Ion 84.05 (83.75 to 84.75): VDC

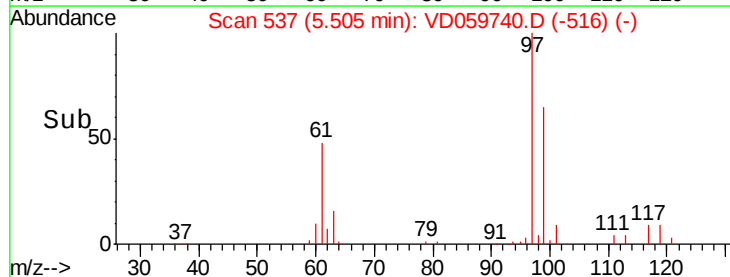
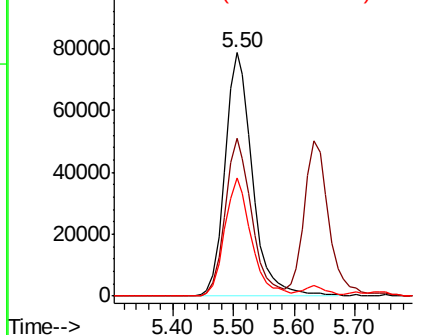


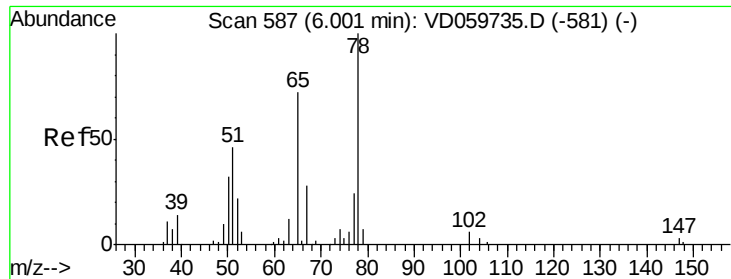
#32
1,1,1-Trichloroethane
Concen: 51.58 ug/l
RT: 5.50 min Scan# 537
Delta R.T. 0.01 min
Lab File: VD059740.D
Acq: 13 Aug 2018 17:23

Tgt Ion: 97 Resp: 246063
Ion Ratio Lower Upper
97 100
99 64.9 49.8 74.6
61 48.5 37.0 55.4



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

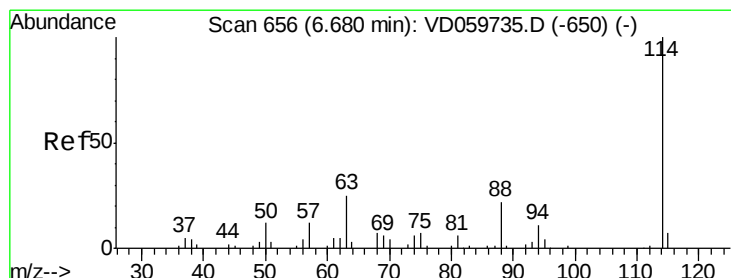
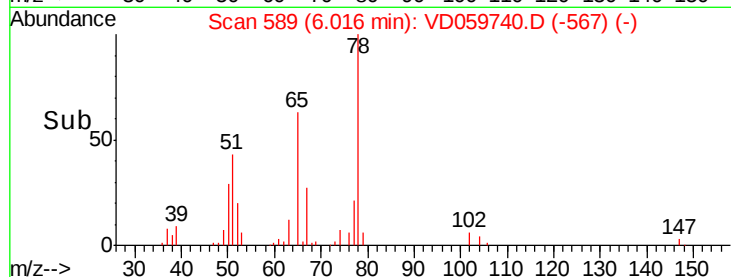
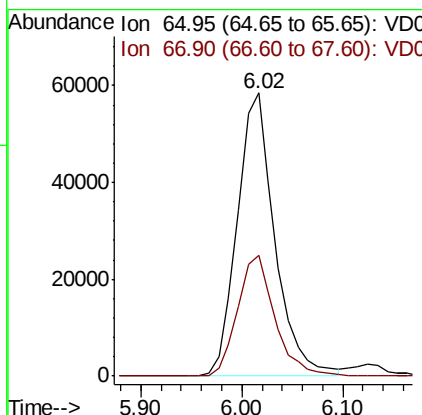
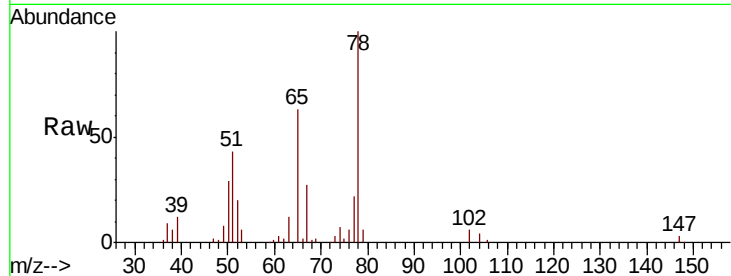




#33
 1,2-Dichloroethane-d4
 Concen: 51.58 ug/l
 RT: 6.02 min Scan# 589
 Delta R.T. 0.01 min
 Lab File: VD059740.D
 Acq: 13 Aug 2018 17:23

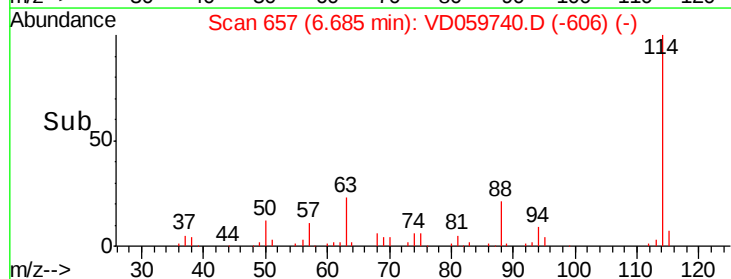
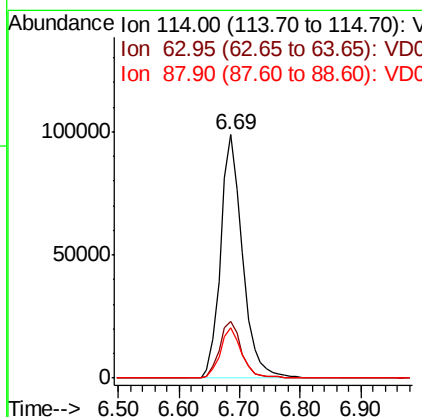
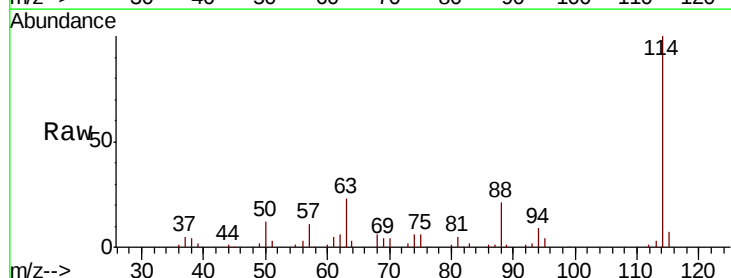
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

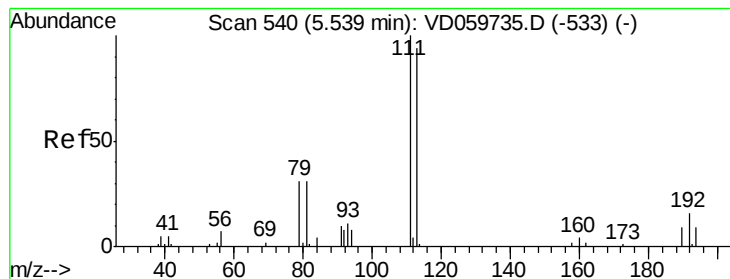
Tot Ion: 65 Resp: 151526
 Ion Ratio Lower Upper
 65 100
 67 42.7 0.0 77.4



#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 6.69 min Scan# 657
 Delta R.T. 0.01 min
 Lab File: VD059740.D
 Acq: 13 Aug 2018 17:23

Tgt Ion: 114 Resp: 247384
 Ion Ratio Lower Upper
 114 100
 63 23.4 0.0 50.6
 88 20.8 0.0 43.4





#35

Dibromofluoromethane

Concen: 50.00 ug/l

RT: 5.54 min Scan# 541

Delta R.T. 0.01 min

Lab File: VD059740.D

Acq: 13 Aug 2018 17:23

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

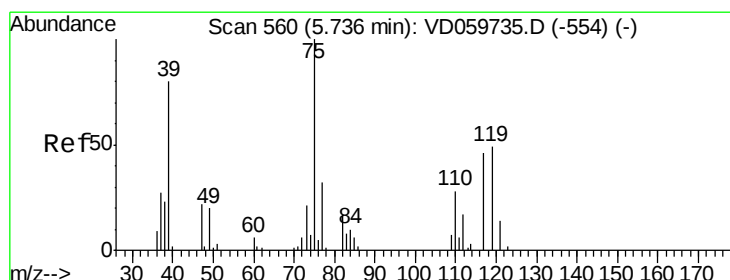
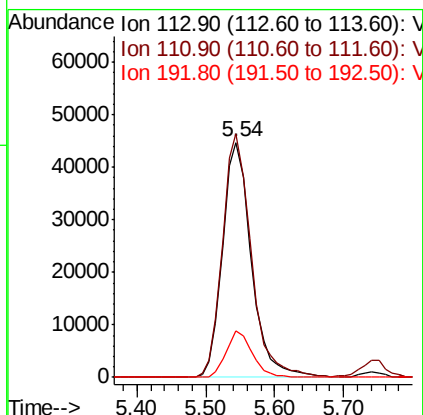
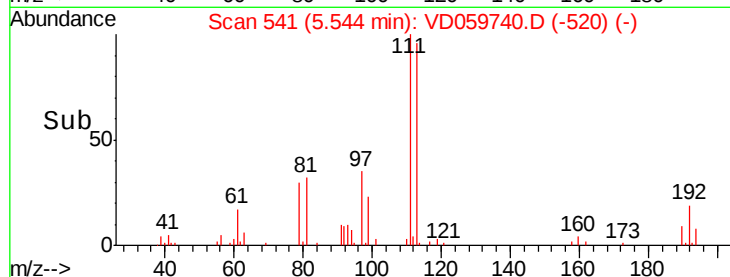
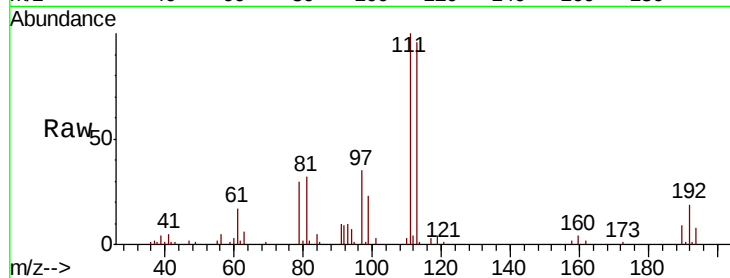
Tot Ion:113 Resp: 129498

Ion Ratio Lower Upper

113 100

111 103.6 85.3 127.9

192 19.6 13.9 20.9



#36

1,1-Dichloropropene

Concen: 52.12 ug/l

RT: 5.74 min Scan# 561

Delta R.T. 0.01 min

Lab File: VD059740.D

Acq: 13 Aug 2018 17:23

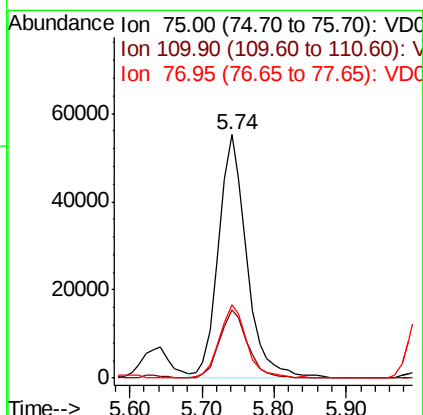
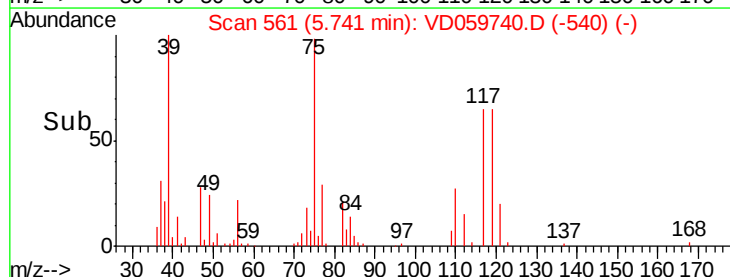
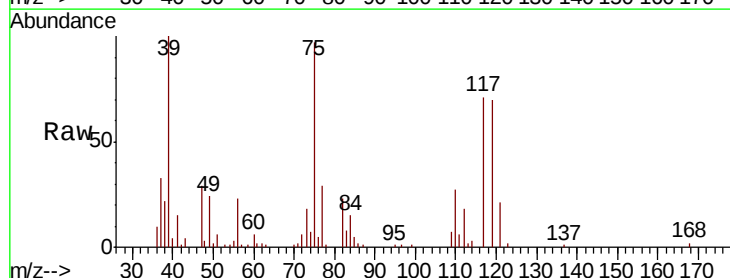
Tgt Ion: 75 Resp: 149648

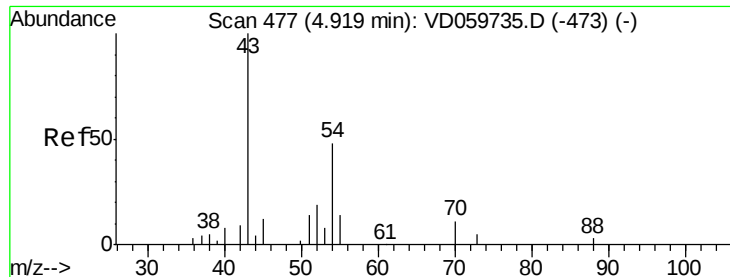
Ion Ratio Lower Upper

75 100

110 28.1 13.7 41.0

77 29.9 25.4 38.2

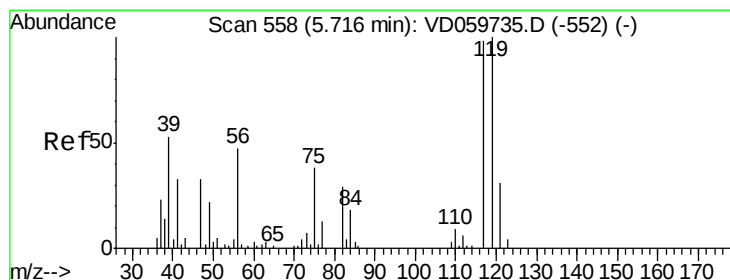
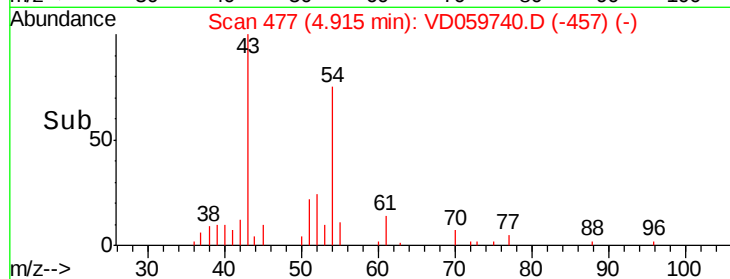
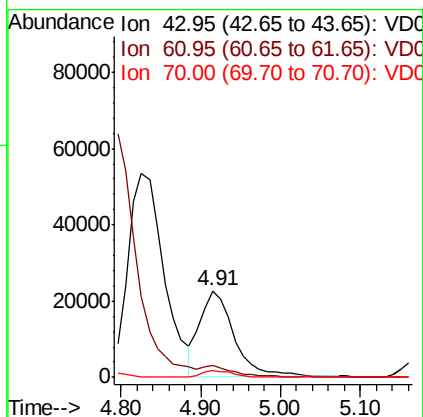
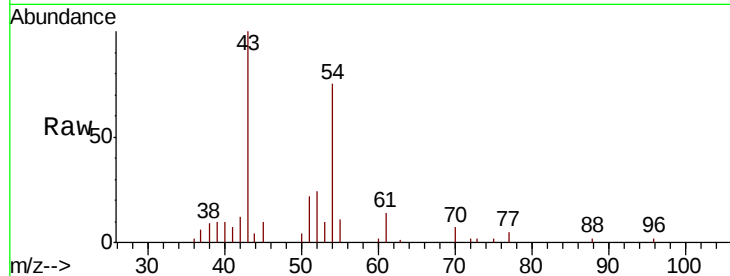




#37
Ethyl Acetate
Concen: 52.52 ug/l
RT: 4.91 min Scan# 477
Delta R.T. -0.00 min
Lab File: VD059740.D
Acq: 13 Aug 2018 17:23

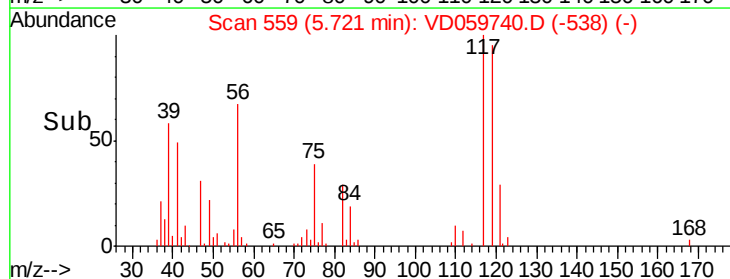
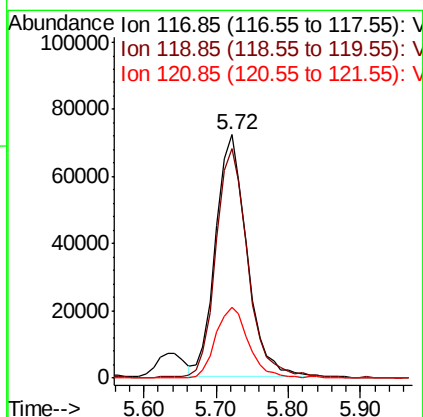
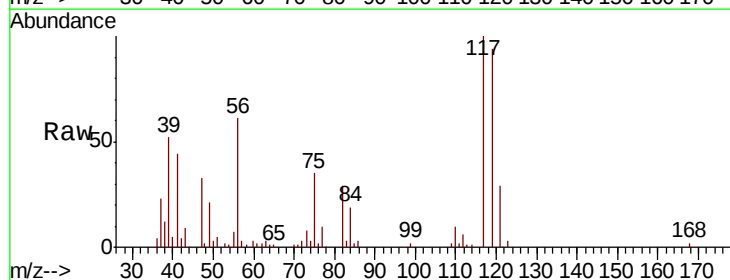
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

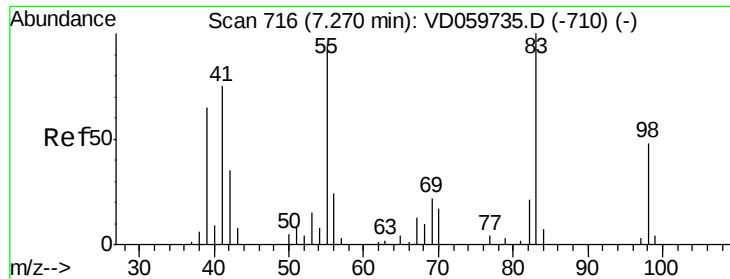
Tot Ion: 43 Resp: 66321
Ion Ratio Lower Upper
43 100
61 13.8 7.4 11.0#
70 7.2 5.8 8.8



#38
Carbon Tetrachloride
Concen: 48.24 ug/l
RT: 5.72 min Scan# 559
Delta R.T. 0.01 min
Lab File: VD059740.D
Acq: 13 Aug 2018 17:23

Tgt Ion: 117 Resp: 217931
Ion Ratio Lower Upper
117 100
119 94.2 78.2 117.2
121 29.1 23.9 35.9

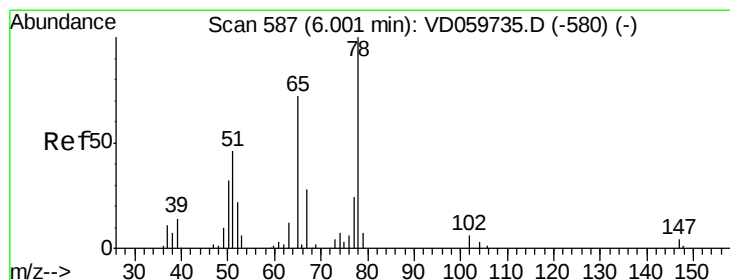
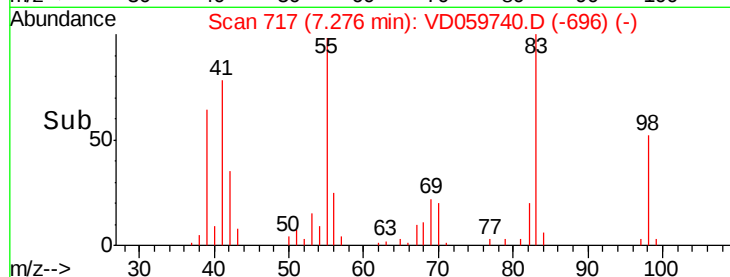
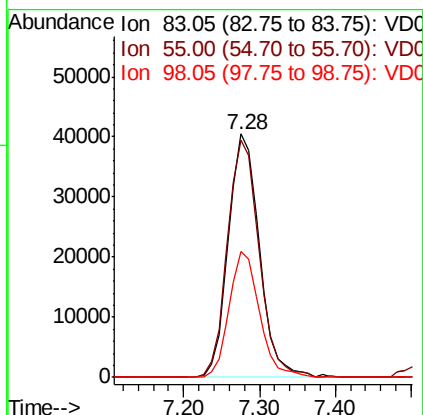
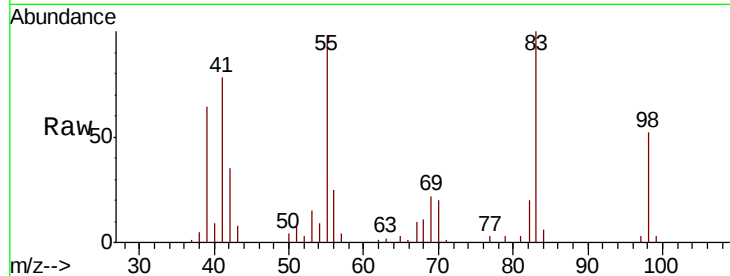




#39
Methylcyclohexane
Concen: 53.99 ug/l
RT: 7.28 min Scan# 717
Delta R.T. 0.01 min
Lab File: VD059740.D
Acq: 13 Aug 2018 17:23

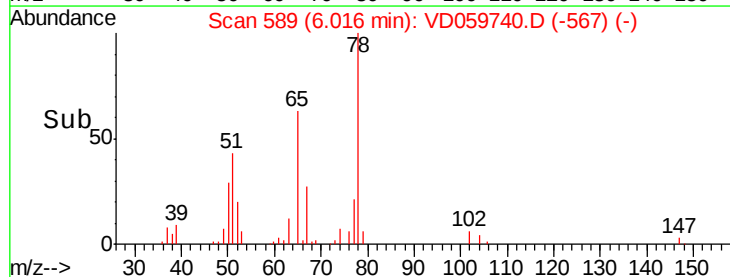
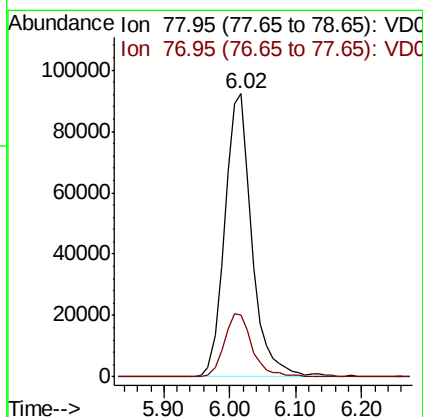
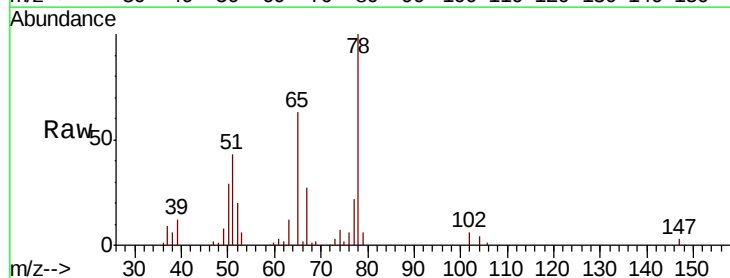
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

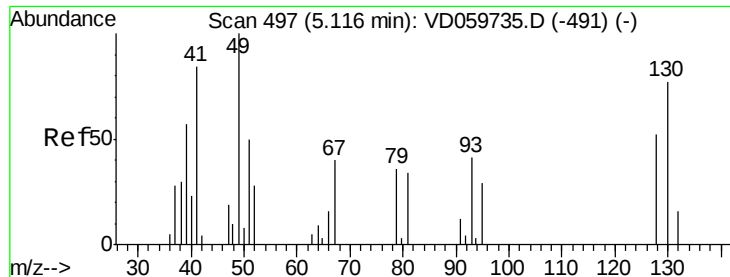
Tot Ion: 83 Resp: 114856
Ion Ratio Lower Upper
83 100
55 97.5 75.1 112.7
98 51.6 38.7 58.1



#40
Benzene
Concen: 53.06 ug/l
RT: 6.02 min Scan# 589
Delta R.T. 0.01 min
Lab File: VD059740.D
Acq: 13 Aug 2018 17:23

Tgt Ion: 78 Resp: 265482
Ion Ratio Lower Upper
78 100
77 22.1 19.4 29.0

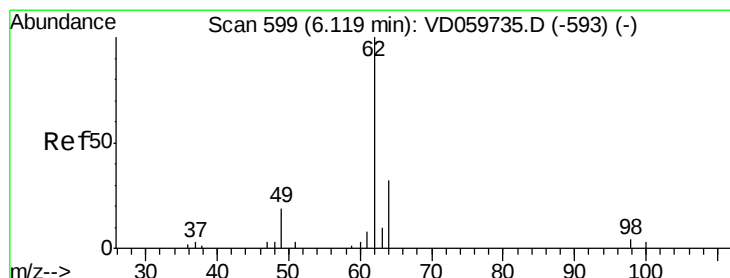
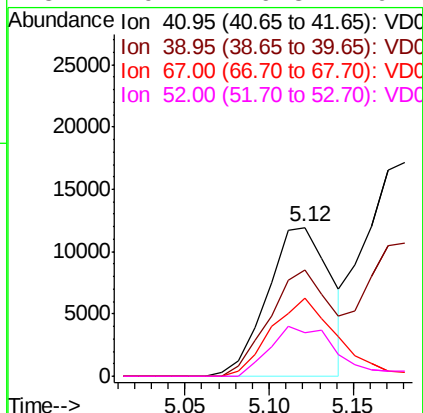
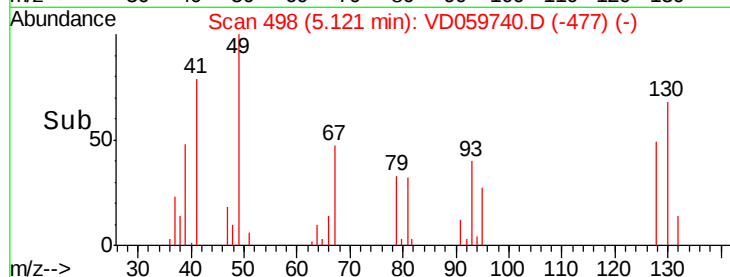
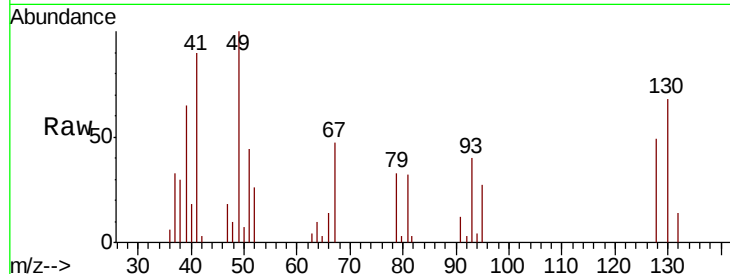




#41
Methacrylonitrile
Concen: 52.66 ug/l
RT: 5.12 min Scan# 498
Delta R.T. 0.01 min
Lab File: VD059740.D
Acq: 13 Aug 2018 17:23

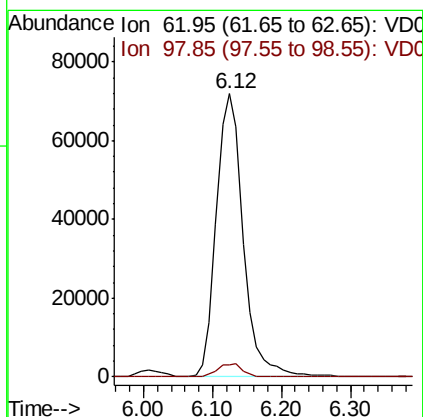
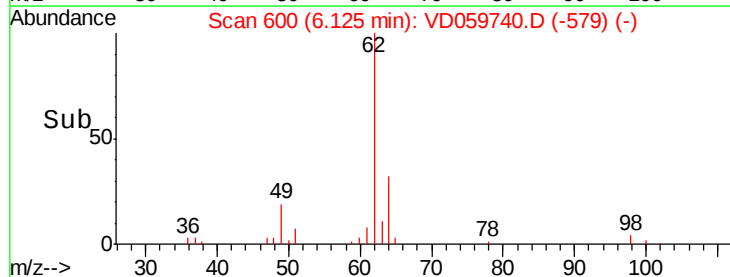
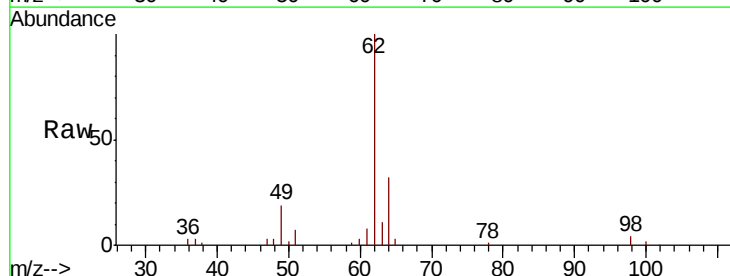
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

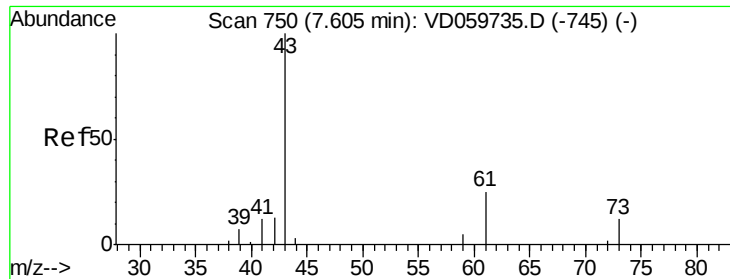
Tot Ion: 41 Resp: 31263
Ion Ratio Lower Upper
41 100
39 71.6 54.3 81.5
67 52.5 38.2 57.2
52 29.2 26.8 40.2



#42
1,2-Dichloroethane
Concen: 48.96 ug/l
RT: 6.12 min Scan# 600
Delta R.T. 0.01 min
Lab File: VD059740.D
Acq: 13 Aug 2018 17:23

Tgt Ion: 62 Resp: 194273
Ion Ratio Lower Upper
62 100
98 4.2 0.0 8.2



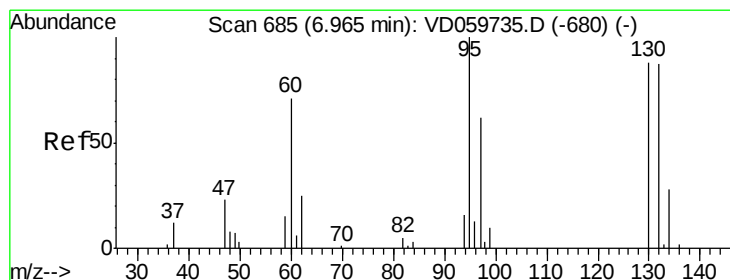
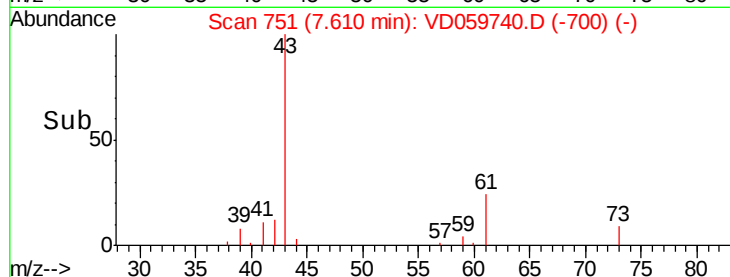
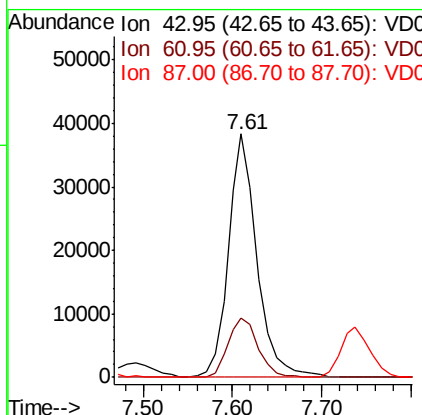
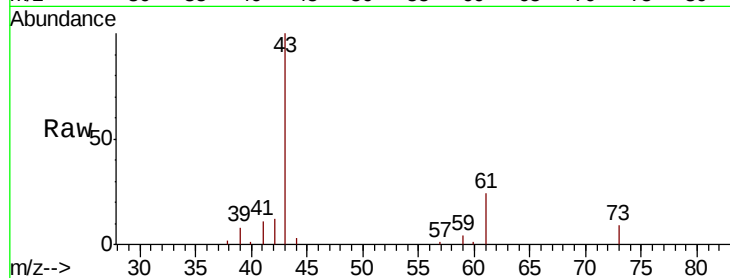


#43

Isopropyl Acetate
 Concen: 53.65 ug/l
 RT: 7.61 min Scan# 751
 Delta R.T. 0.01 min
 Lab File: VD059740.D
 Acq: 13 Aug 2018 17:23

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

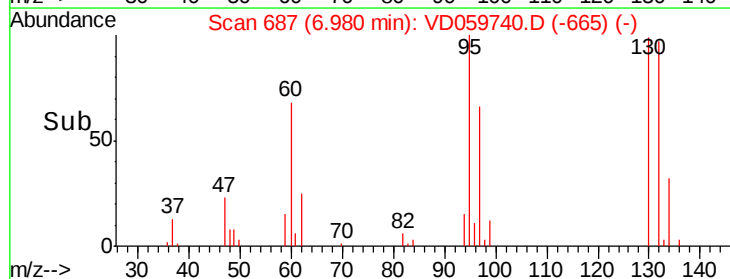
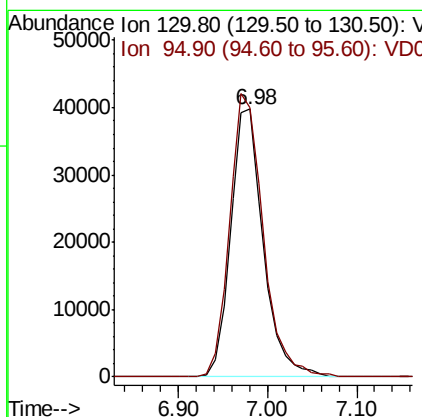
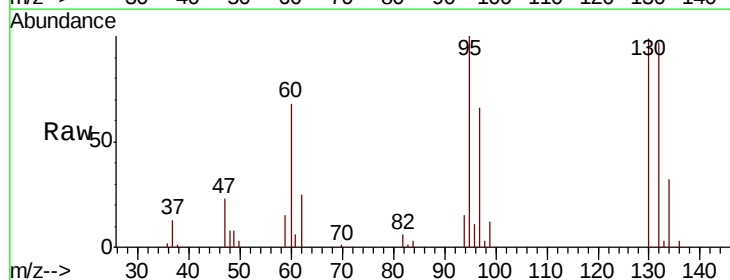
Tot Ion: 43 Resp: 85363
 Ion Ratio Lower Upper
 43 100
 61 24.1 19.8 29.8
 87 0.0 0.0 0.0

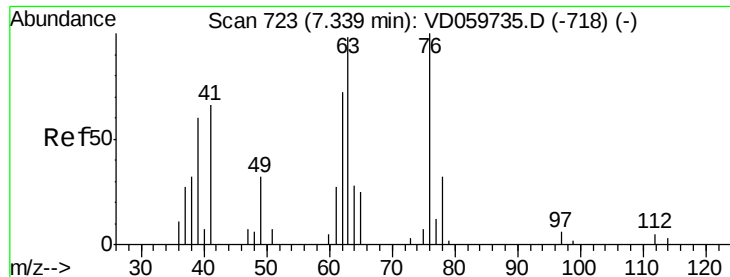


#44

Trichloroethene
 Concen: 50.40 ug/l
 RT: 6.98 min Scan# 687
 Delta R.T. 0.01 min
 Lab File: VD059740.D
 Acq: 13 Aug 2018 17:23

Tgt Ion: 130 Resp: 101705
 Ion Ratio Lower Upper
 130 100
 95 100.8 0.0 226.4





#45

1,2-Dichloropropane

Concen: 50.94 ug/l

RT: 7.34 min Scan# 724

Delta R.T. 0.01 min

Lab File: VD059740.D

Acq: 13 Aug 2018 17:23

Instrument :

MSVOA_D

ClientSampleId :

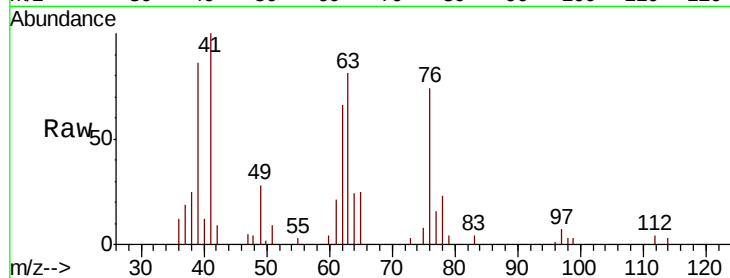
VSTDCCC050

Tot Ion: 63 Resp: 64916

Ion Ratio Lower Upper

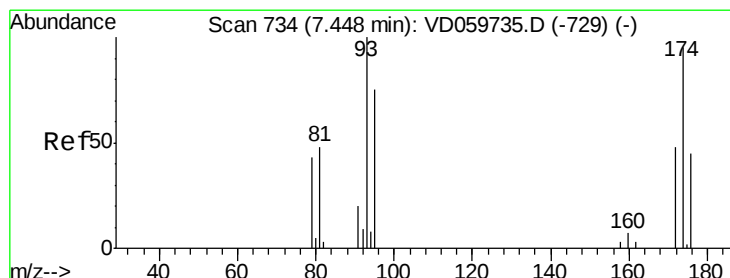
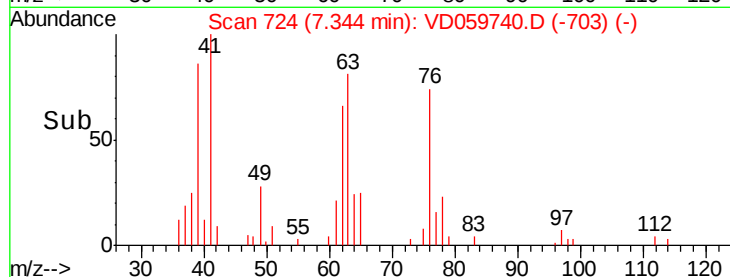
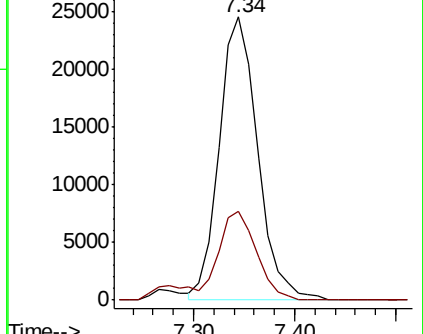
63 100

65 31.3 23.0 34.4



Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 64.95 (64.65 to 65.65): VDC



#46

Dibromomethane

Concen: 49.92 ug/l

RT: 7.46 min Scan# 736

Delta R.T. 0.01 min

Lab File: VD059740.D

Acq: 13 Aug 2018 17:23

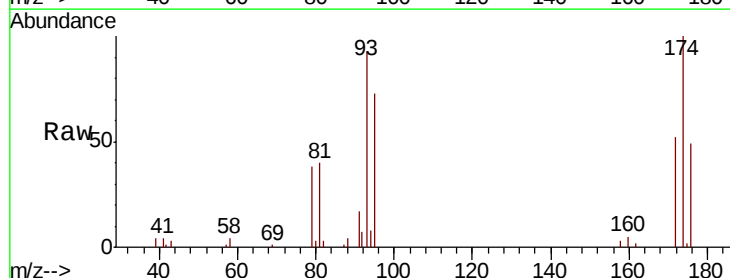
Tgt Ion: 93 Resp: 67567

Ion Ratio Lower Upper

93 100

95 78.2 60.2 90.2

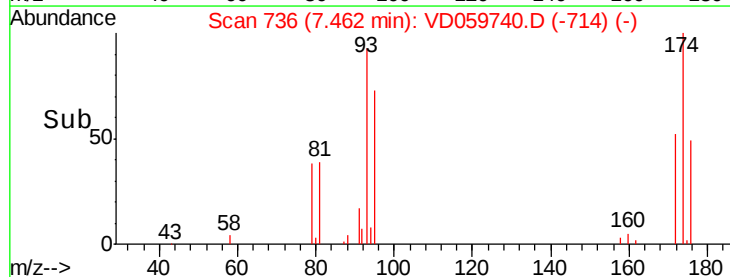
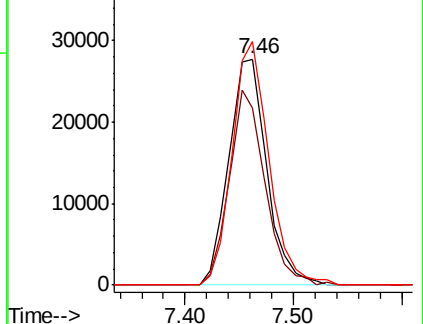
174 107.6 75.6 113.4

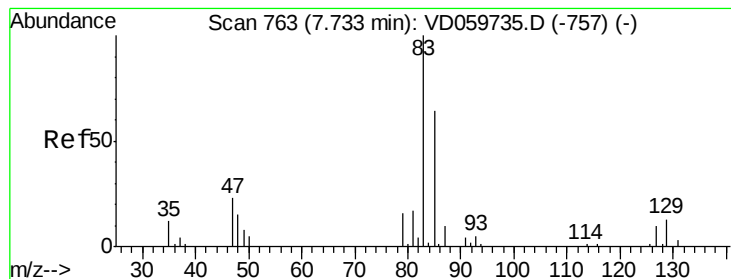


Abundance Ion 92.90 (92.60 to 93.60): VDC

Ion 94.90 (94.60 to 95.60): VDC

Ion 173.80 (173.50 to 174.50): VDC





#47

Bromodichloromethane

Concen: 48.80 ug/l

RT: 7.74 min Scan# 764

Delta R.T. 0.01 min

Lab File: VD059740.D

Acq: 13 Aug 2018 17:23

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

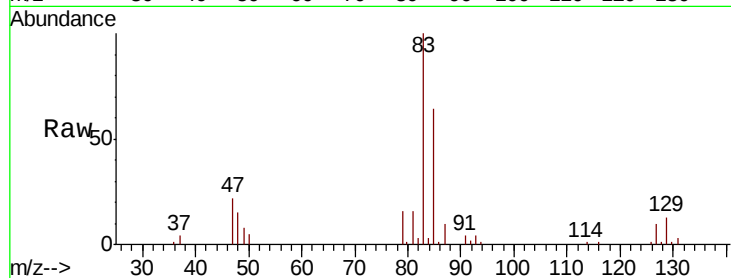
Tot Ion: 83 Resp: 174529

Ion Ratio Lower Upper

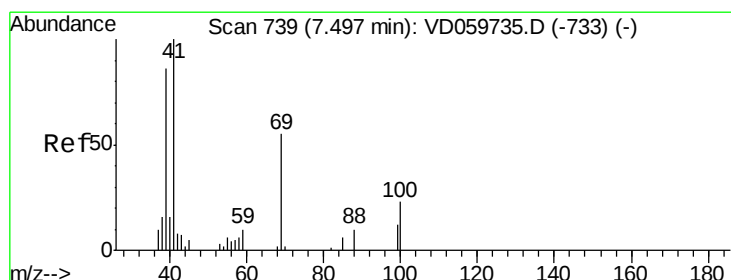
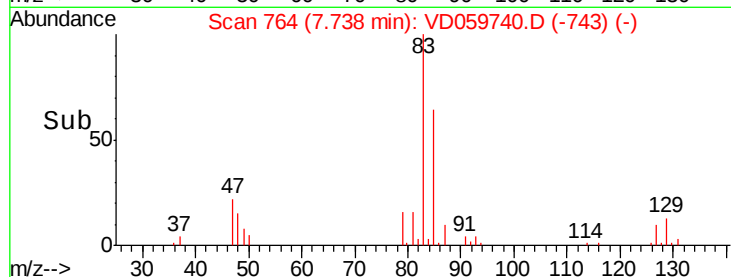
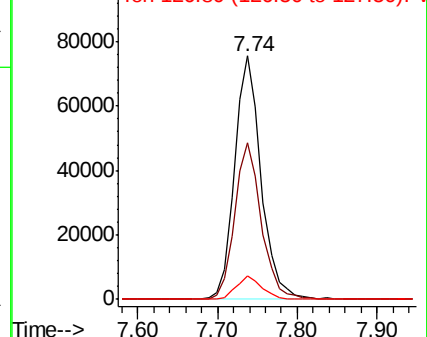
83 100

85 64.3 51.6 77.4

127 9.6 7.7 11.5



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: 56.71 ug/l

RT: 7.50 min Scan# 740

Delta R.T. 0.01 min

Lab File: VD059740.D

Acq: 13 Aug 2018 17:23

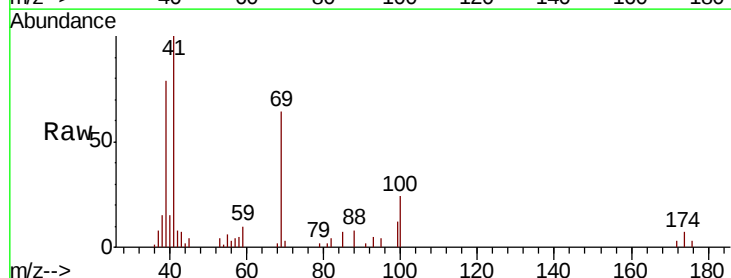
Tgt Ion: 41 Resp: 65857

Ion Ratio Lower Upper

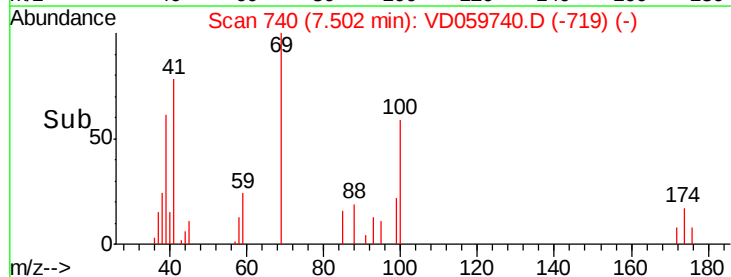
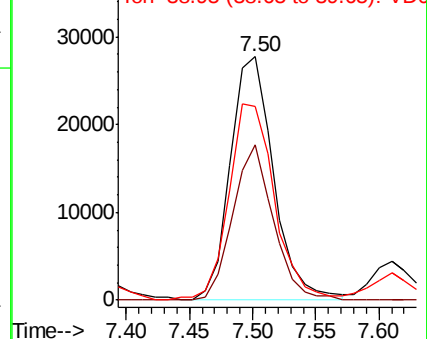
41 100

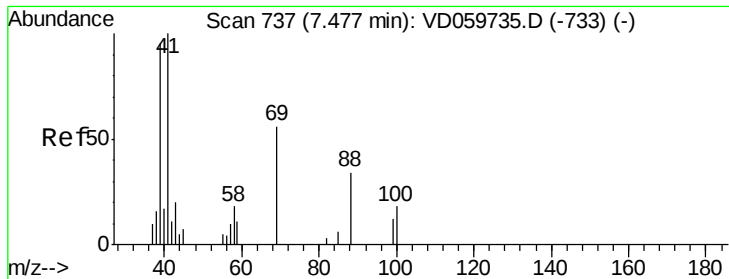
69 63.8 43.8 65.6

39 79.5 69.1 103.7



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

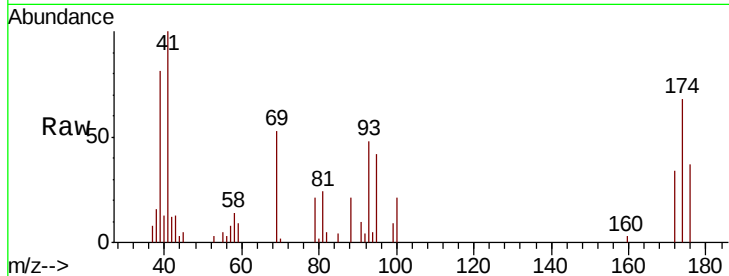




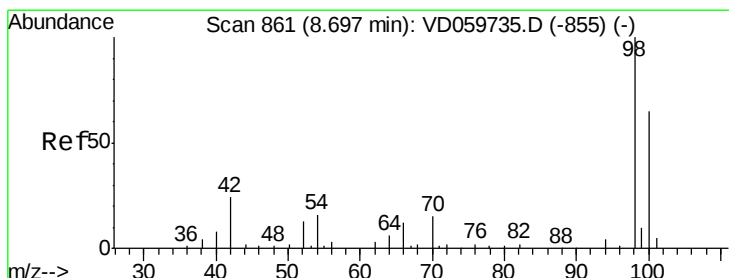
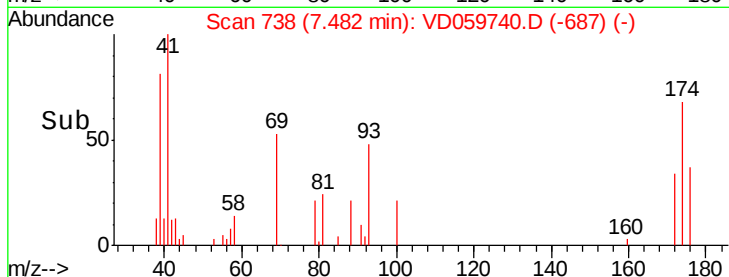
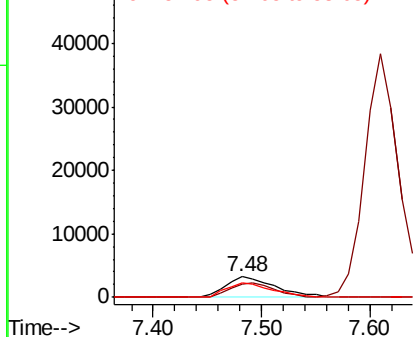
#49
 1,4-Dioxane
 Concen: 1220.67 ug/l
 RT: 7.48 min Scan# 738
 Delta R.T. 0.01 min
 Lab File: VD059740.D
 Acq: 13 Aug 2018 17:23

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion: 88 Resp: 10021
 Ion Ratio Lower Upper
 88 100
 43 62.3 46.7 70.1
 58 69.1 42.1 63.1#

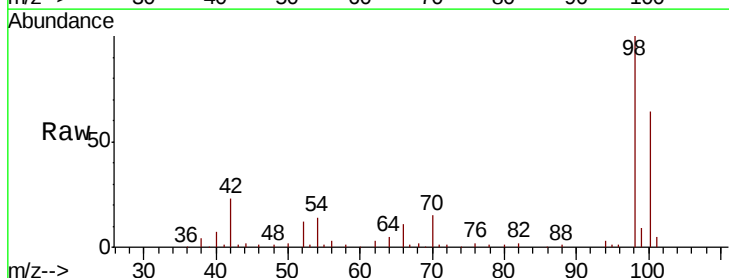


Abundance Ion 88.00 (87.70 to 88.70): VDC
 Ion 43.05 (42.75 to 43.75): VDC
 Ion 57.95 (57.65 to 58.65): VDC

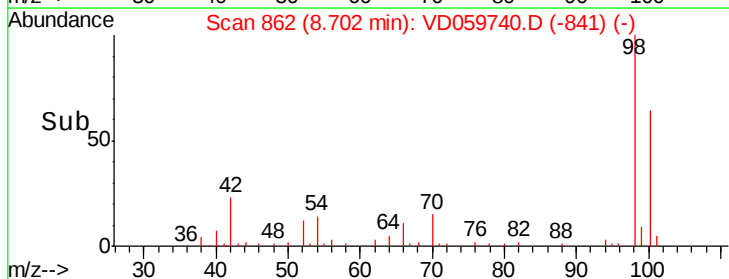
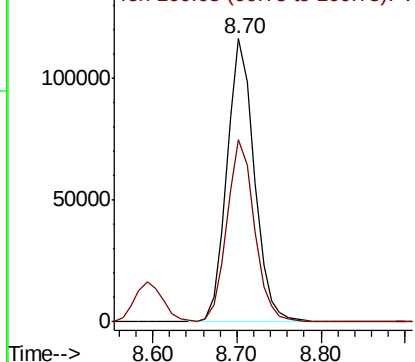


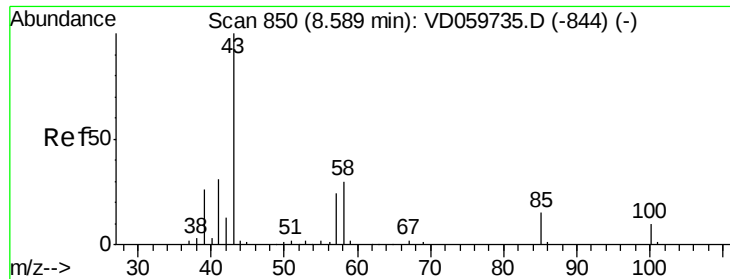
#50
 Toluene-d8
 Concen: 1220.67 ug/l
 RT: 8.70 min Scan# 862
 Delta R.T. 0.01 min
 Lab File: VD059740.D
 Acq: 13 Aug 2018 17:23

Tgt Ion: 98 Resp: 261732
 Ion Ratio Lower Upper
 98 100
 100 64.5 52.2 78.2



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: 292.82 ug/l

RT: 8.59 min Scan# 851

Delta R.T. 0.01 min

Lab File: VD059740.D

Acq: 13 Aug 2018 17:23

Instrument :

MSVOA_D

ClientSampleId :

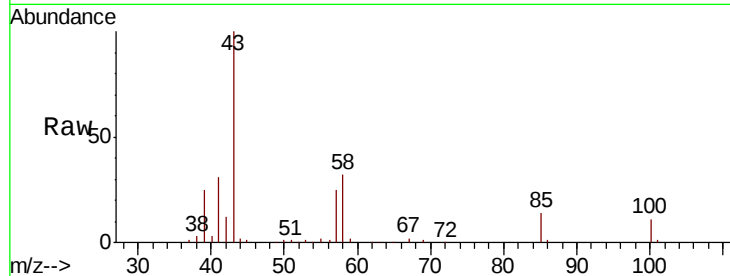
VSTDCCC050

Tot Ion: 43 Resp: 359110

Ion Ratio Lower Upper

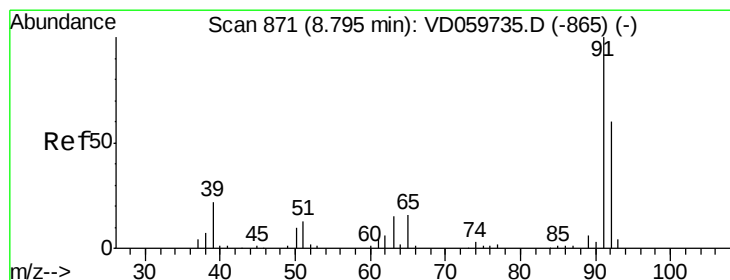
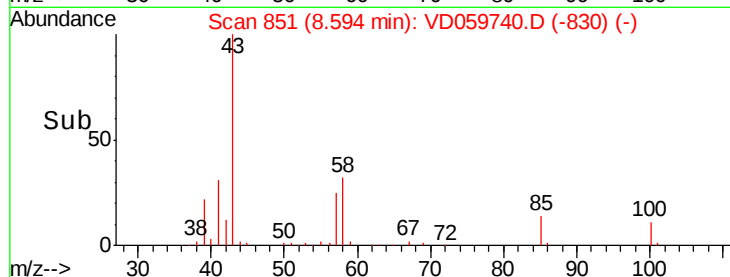
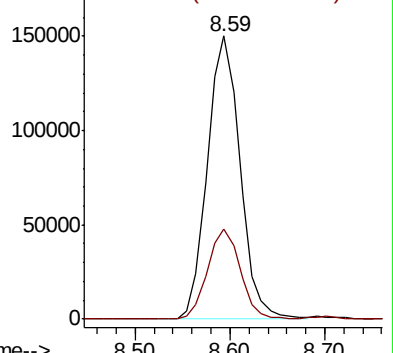
43 100

58 31.8 24.3 36.5



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC



#52

Toluene

Concen: 51.82 ug/l

RT: 8.80 min Scan# 872

Delta R.T. 0.01 min

Lab File: VD059740.D

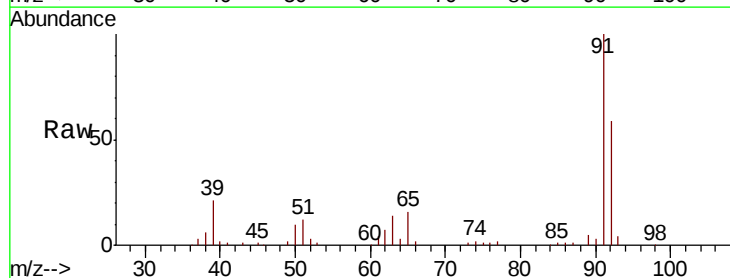
Acq: 13 Aug 2018 17:23

Tgt Ion: 92 Resp: 166739

Ion Ratio Lower Upper

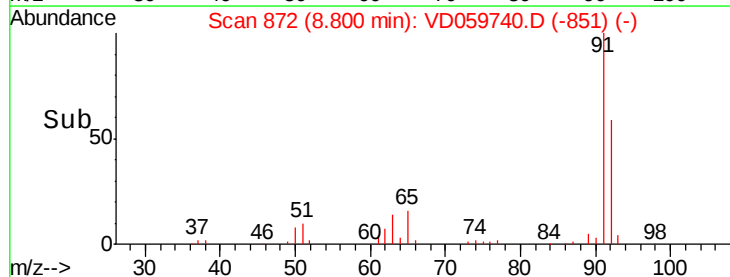
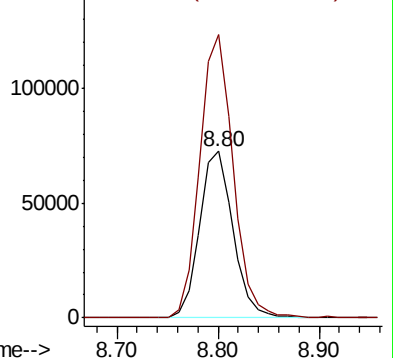
92 100

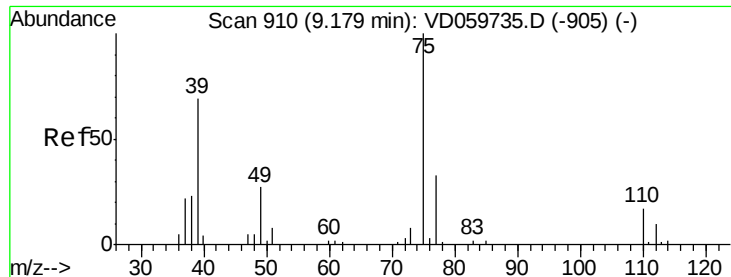
91 169.7 134.4 201.6



Abundance Ion 92.00 (91.70 to 92.70): VDC

Ion 91.00 (90.70 to 91.70): VDC

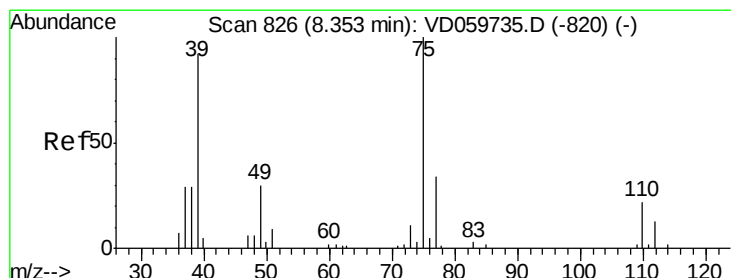
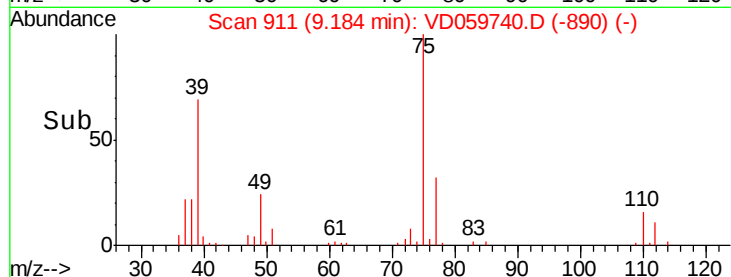
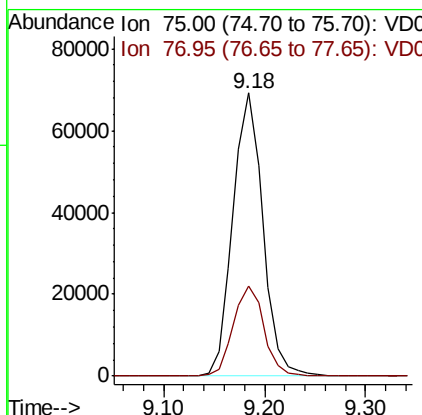
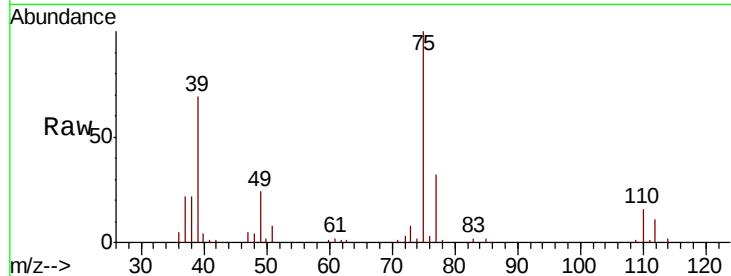




#53
 t-1,3-Dichloropropene
 Concen: 49.75 ug/l
 RT: 9.18 min Scan# 911
 Delta R.T. 0.01 min
 Lab File: VD059740.D
 Acq: 13 Aug 2018 17:23

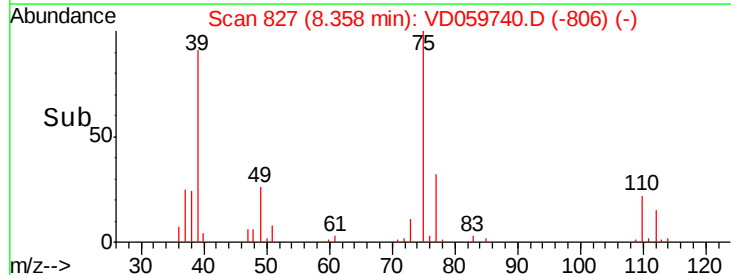
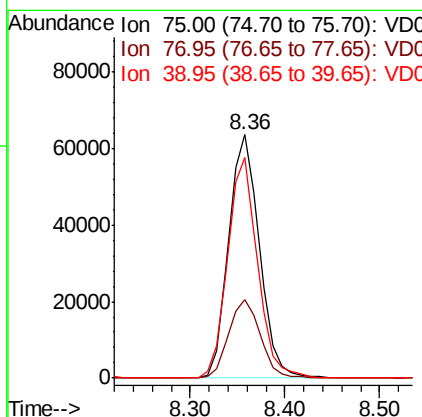
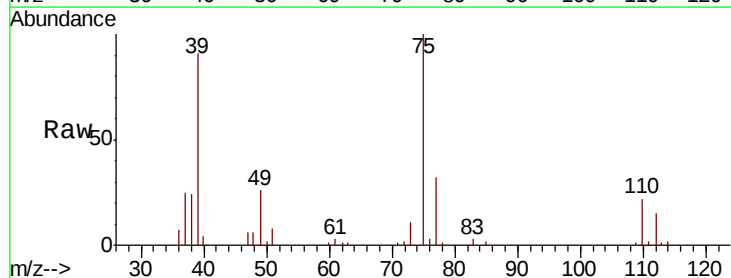
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

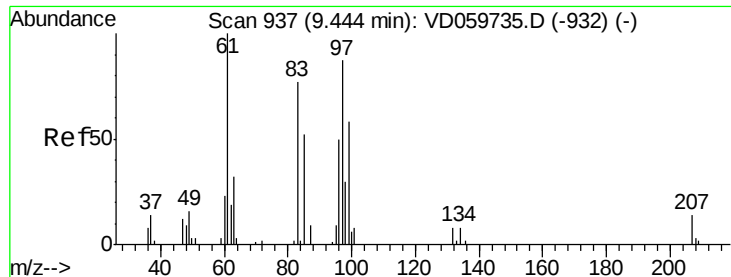
Tot Ion: 75 Resp: 142973
 Ion Ratio Lower Upper
 75 100
 77 31.8 26.2 39.2



#54
 cis-1,3-Dichloropropene
 Concen: 51.73 ug/l
 RT: 8.36 min Scan# 827
 Delta R.T. 0.01 min
 Lab File: VD059740.D
 Acq: 13 Aug 2018 17:23

Tgt Ion: 75 Resp: 142693
 Ion Ratio Lower Upper
 75 100
 77 32.0 27.2 40.8
 39 90.5 73.8 110.8





#55

1,1,2-Trichloroethane

Concen: 50.86 ug/l

RT: 9.45 min Scan# 938

Delta R.T. 0.01 min

Lab File: VD059740.D

Acq: 13 Aug 2018 17:23

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 97 Resp: 64524

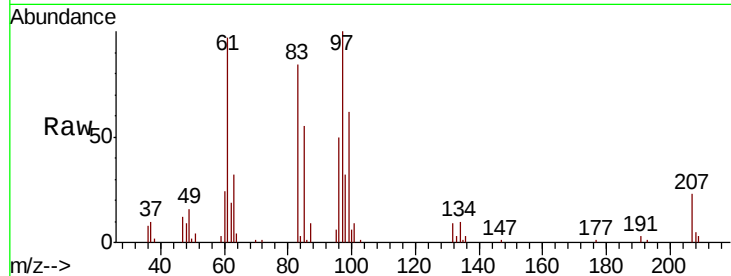
Ion Ratio Lower Upper

97 100

83 84.4 70.4 105.6

85 55.1 47.6 71.4

99 62.4 53.1 79.7

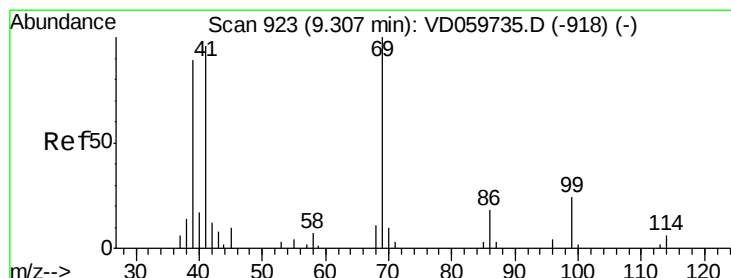
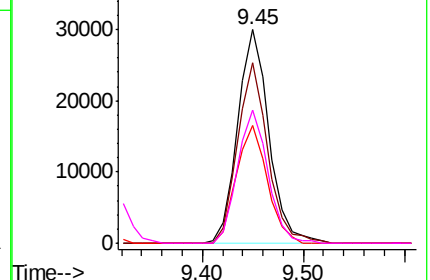
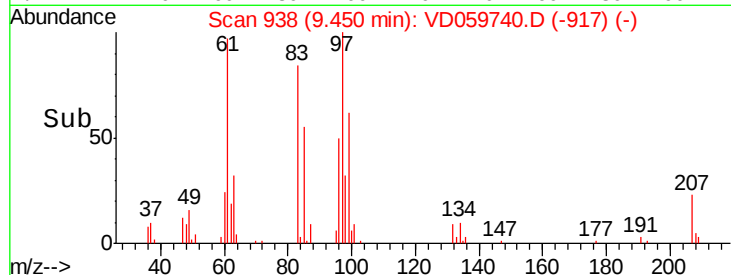


Abundance Ion 96.85 (96.55 to 97.55): VDC

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: 50.48 ug/l

RT: 9.31 min Scan# 924

Delta R.T. 0.01 min

Lab File: VD059740.D

Acq: 13 Aug 2018 17:23

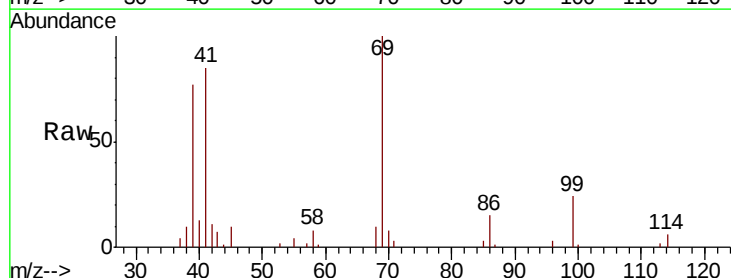
Tgt Ion: 69 Resp: 72984

Ion Ratio Lower Upper

69 100

41 84.9 76.7 115.1

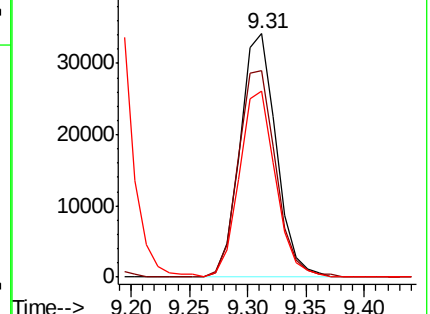
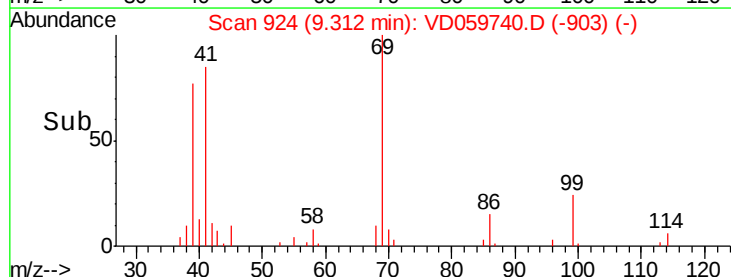
39 76.5 71.0 106.4

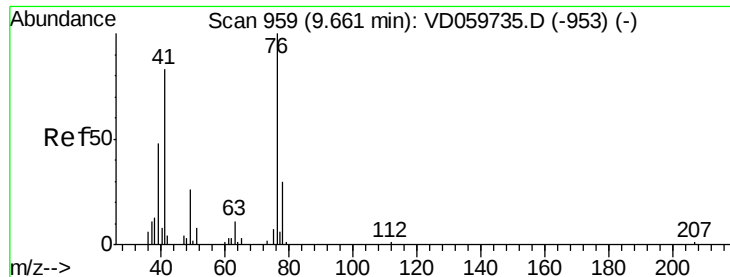


Abundance Ion 69.00 (68.70 to 69.70): VDC

Ion 41.05 (40.75 to 41.75): VDC

Ion 38.95 (38.65 to 39.65): VDC





#57

1,3-Dichloropropane

Concen: 51.83 ug/l

RT: 9.67 min Scan# 960

Delta R.T. 0.01 min

Lab File: VD059740.D

Acq: 13 Aug 2018 17:23

Instrument :

MSVOA_D

ClientSampleId :

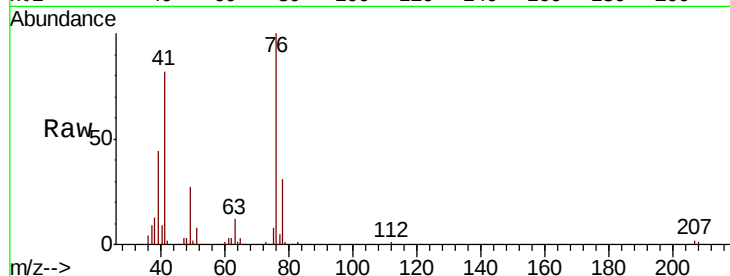
VSTDCCC050

Tot Ion: 76 Resp: 109480

Ion Ratio Lower Upper

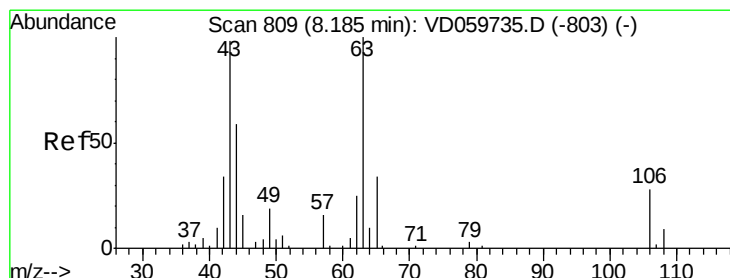
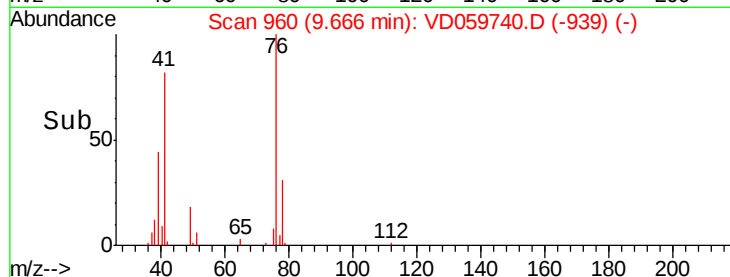
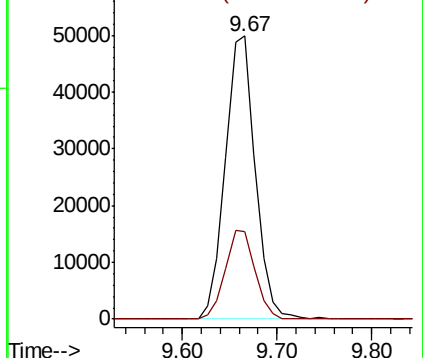
76 100

78 31.1 23.8 35.8



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: 262.87 ug/l

RT: 8.18 min Scan# 809

Delta R.T. -0.00 min

Lab File: VD059740.D

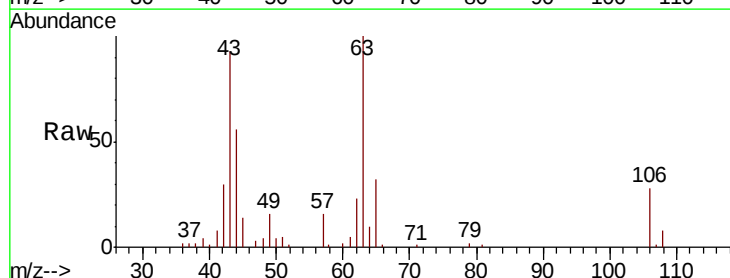
Acq: 13 Aug 2018 17:23

Tgt Ion: 63 Resp: 176020

Ion Ratio Lower Upper

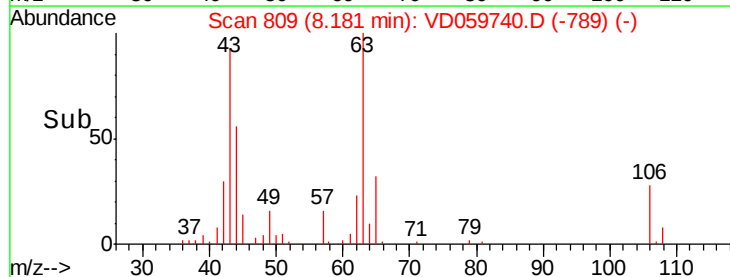
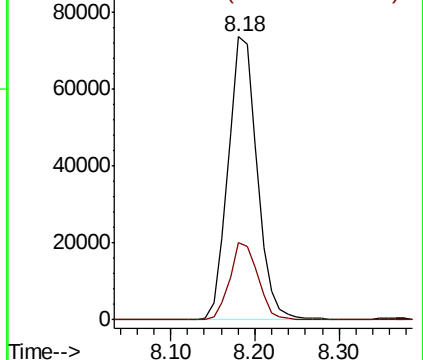
63 100

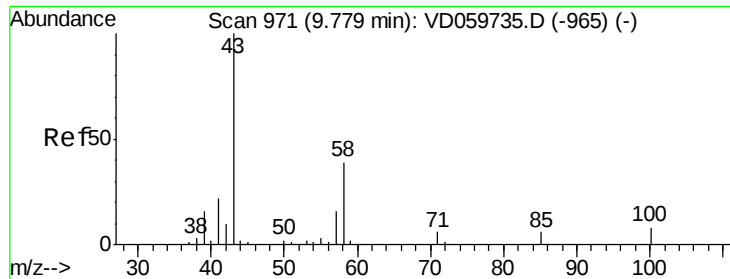
106 27.5 22.2 33.2



Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 105.95 (105.65 to 106.65): VDC

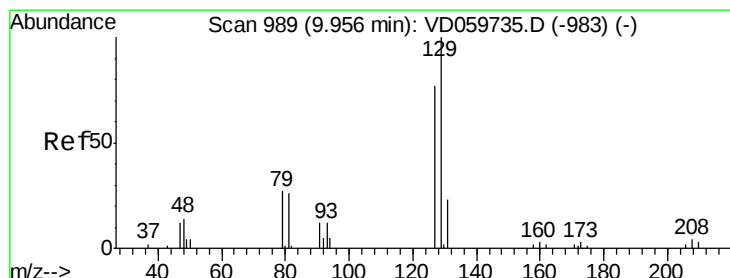
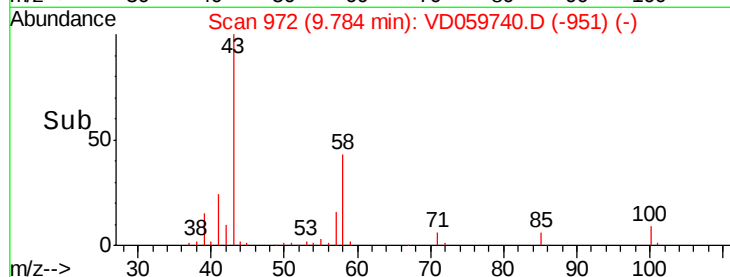
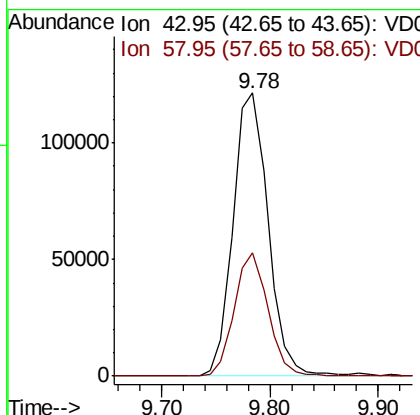
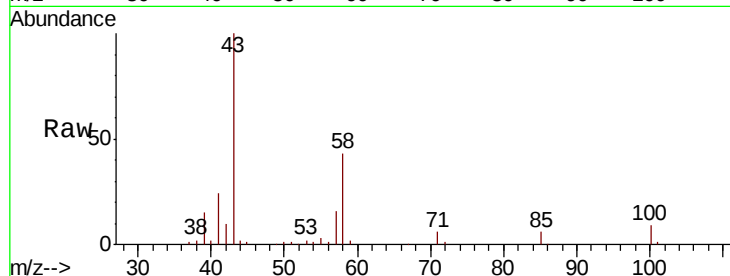




#59
2-Hexanone
Concen: 297.18 ug/l
RT: 9.78 min Scan# 972
Delta R.T. 0.01 min
Lab File: VD059740.D
Acq: 13 Aug 2018 17:23

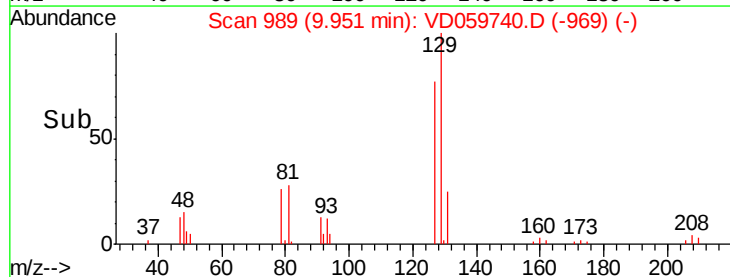
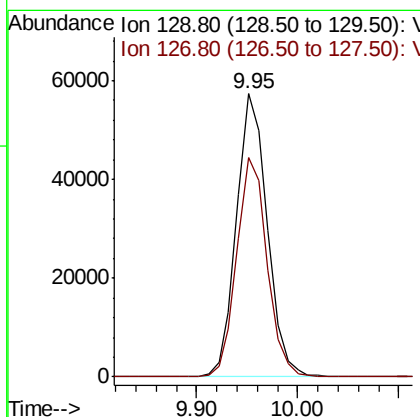
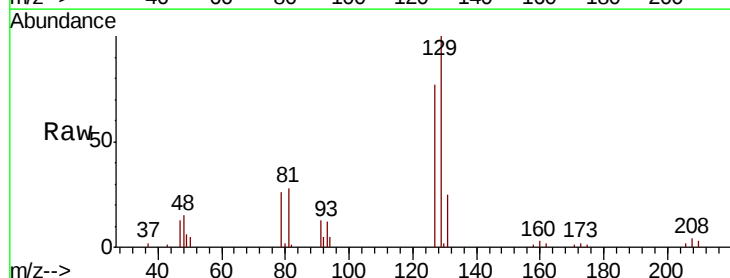
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

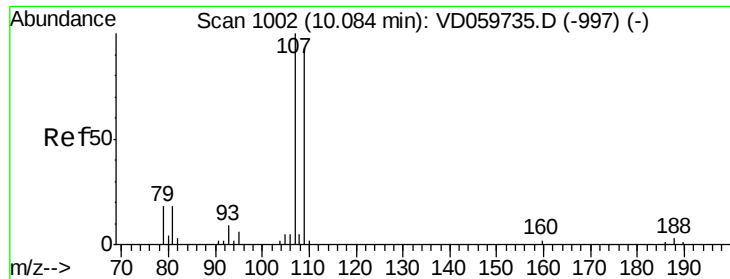
Tot Ion: 43 Resp: 272734
Ion Ratio Lower Upper
43 100
58 43.4 19.8 59.3



#60
Dibromochloromethane
Concen: 49.67 ug/l
RT: 9.95 min Scan# 989
Delta R.T. -0.00 min
Lab File: VD059740.D
Acq: 13 Aug 2018 17:23

Tgt Ion:129 Resp: 121574
Ion Ratio Lower Upper
129 100
127 77.5 38.6 115.7





#61

1,2-Dibromoethane

Concen: 52.35 ug/l

RT: 10.09 min Scan# 1003

Delta R.T. 0.01 min

Lab File: VD059740.D

Acq: 13 Aug 2018 17:23

Instrument :

MSVOA_D

ClientSampleId :

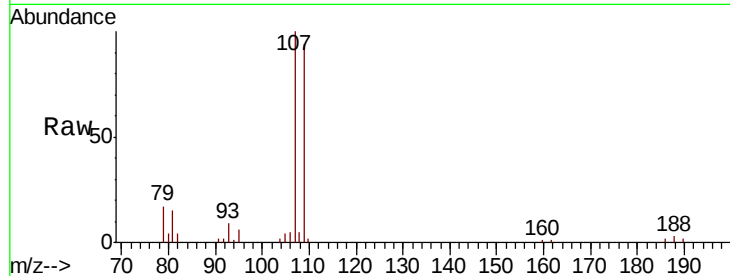
VSTDCCC050

Tot Ion:107 Resp: 83059

Ion Ratio Lower Upper

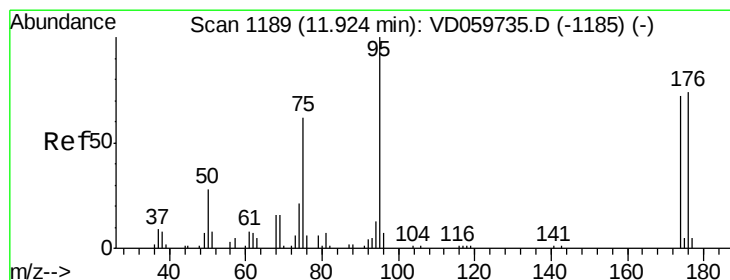
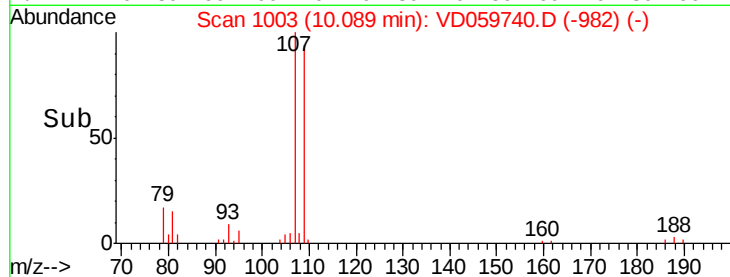
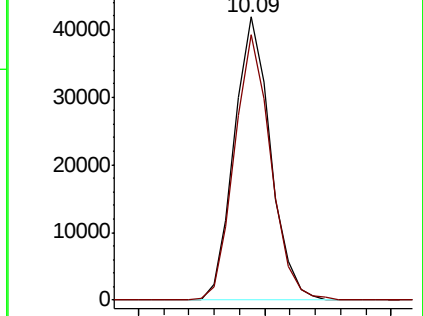
107 100

109 93.9 74.3 111.5



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.90 (108.60 to 109.60): V



#62

4-Bromofluorobenzene

Concen: 52.35 ug/l

RT: 11.93 min Scan# 1190

Delta R.T. 0.01 min

Lab File: VD059740.D

Acq: 13 Aug 2018 17:23

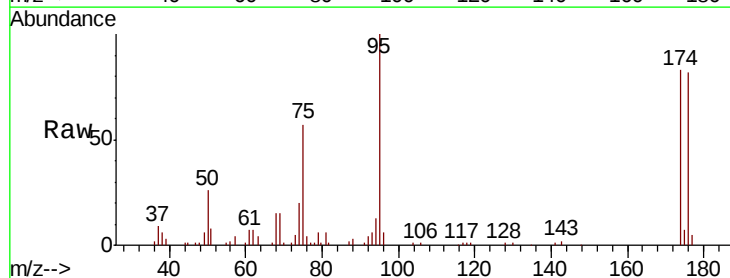
Tgt Ion: 95 Resp: 123279

Ion Ratio Lower Upper

95 100

174 83.2 0.0 143.2

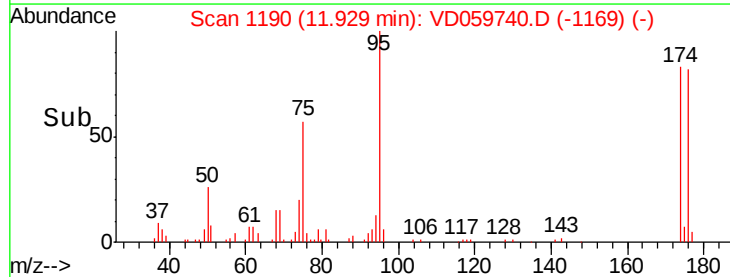
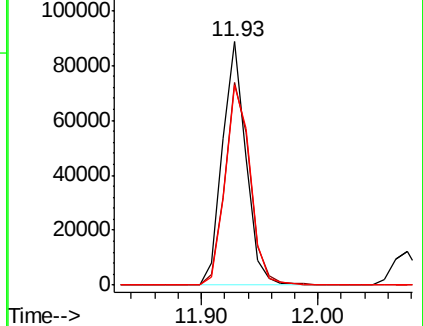
176 82.4 0.0 147.2

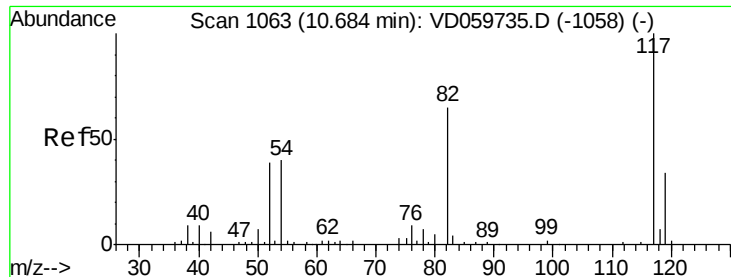


Abundance Ion 95.00 (94.70 to 95.70): V

Ion 173.90 (173.60 to 174.60): V

Ion 175.90 (175.60 to 176.60): V

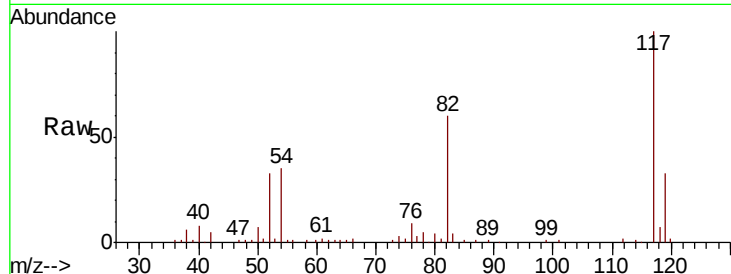




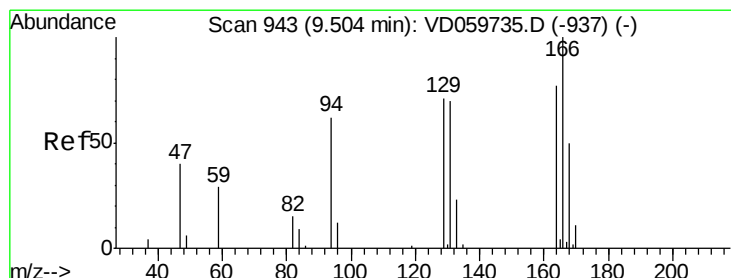
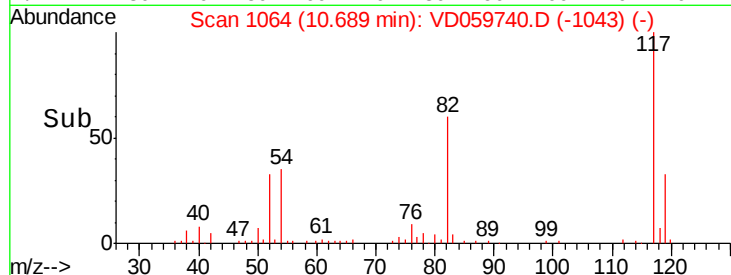
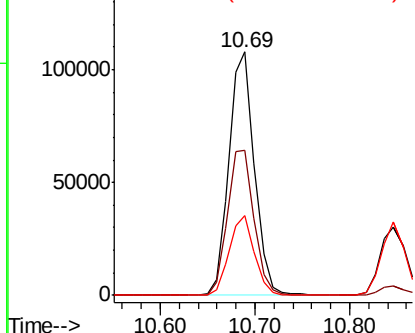
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.69 min Scan# 1064
Delta R.T. 0.01 min
Lab File: VD059740.D
Acq: 13 Aug 2018 17:23

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion:117 Resp: 200602
Ion Ratio Lower Upper
117 100
82 59.7 51.9 77.9
119 32.7 27.4 41.0



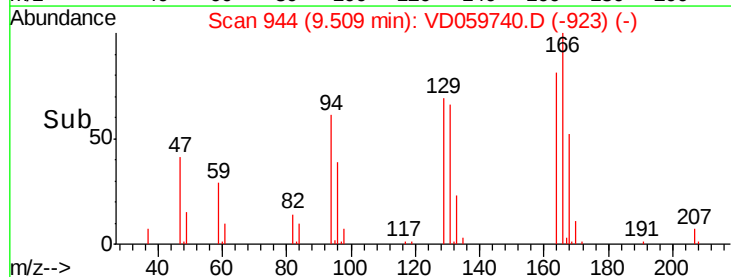
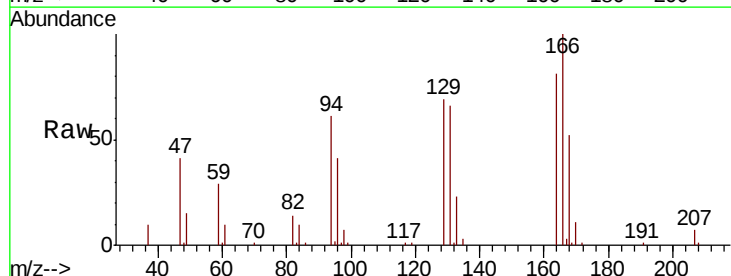
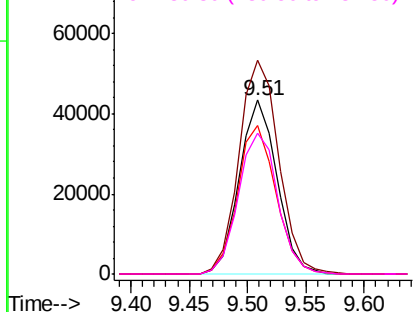
Abundance Ion 116.95 (116.65 to 117.65): V
Ion 82.05 (81.75 to 82.75): VDC
Ion 118.95 (118.65 to 119.65): V

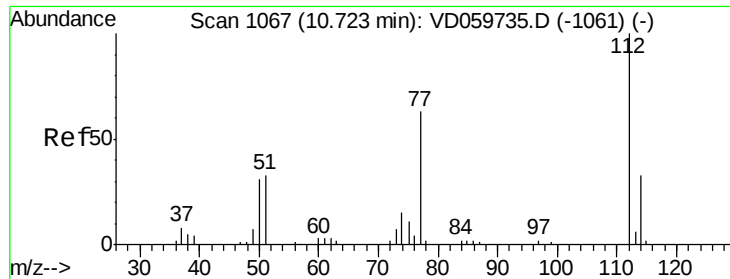


#64
Tetrachloroethene
Concen: 49.32 ug/l
RT: 9.51 min Scan# 944
Delta R.T. 0.01 min
Lab File: VD059740.D
Acq: 13 Aug 2018 17:23

Tgt Ion:164 Resp: 97107
Ion Ratio Lower Upper
164 100
166 122.9 103.5 155.3
129 85.3 73.5 110.3
131 80.9 72.3 108.5

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

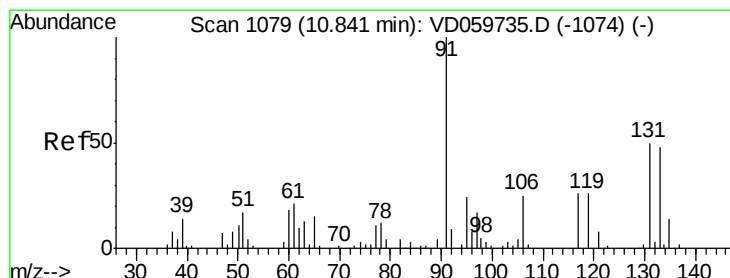
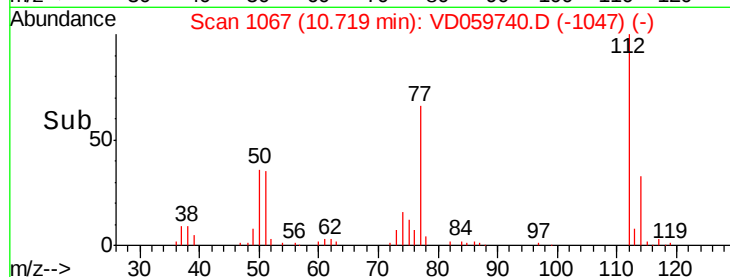
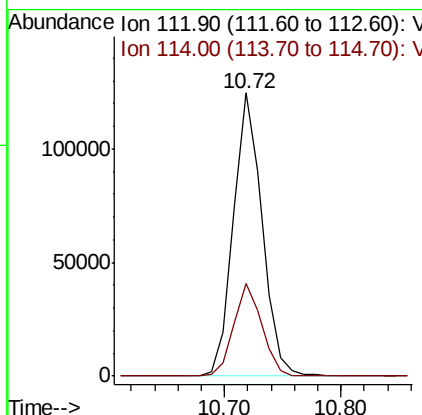
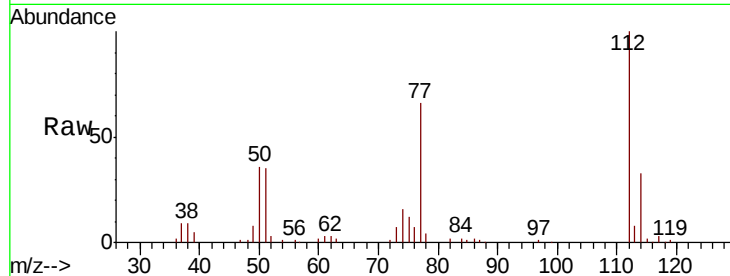




#65
Chlorobenzene
Concen: 51.69 ug/l
RT: 10.72 min Scan# 1067
Delta R.T. -0.00 min
Lab File: VD059740.D
Acq: 13 Aug 2018 17:23

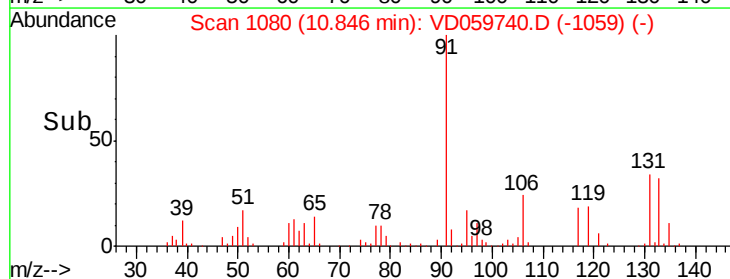
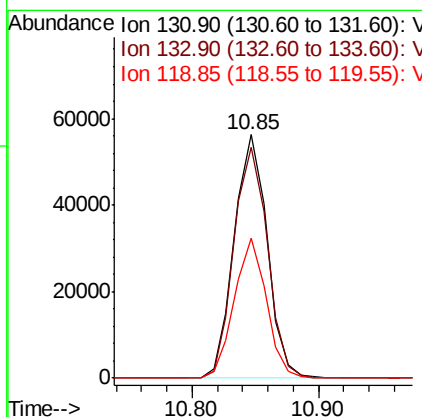
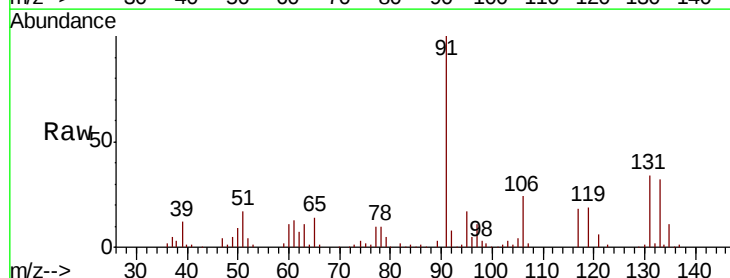
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

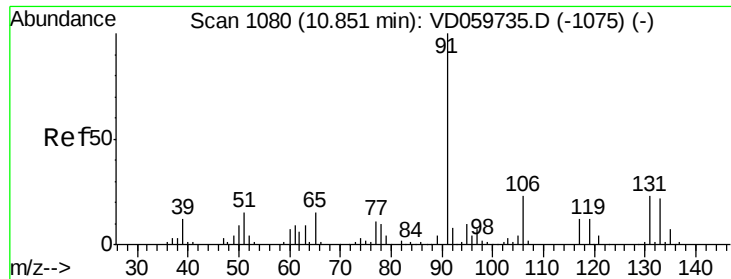
Tot Ion:112 Resp: 211601
Ion Ratio Lower Upper
112 100
114 32.5 26.4 39.6



#66
1,1,1,2-Tetrachloroethane
Concen: 49.03 ug/l
RT: 10.85 min Scan# 1080
Delta R.T. 0.01 min
Lab File: VD059740.D
Acq: 13 Aug 2018 17:23

Tgt Ion:131 Resp: 101681
Ion Ratio Lower Upper
131 100
133 94.8 48.1 144.3
119 57.3 26.2 78.5

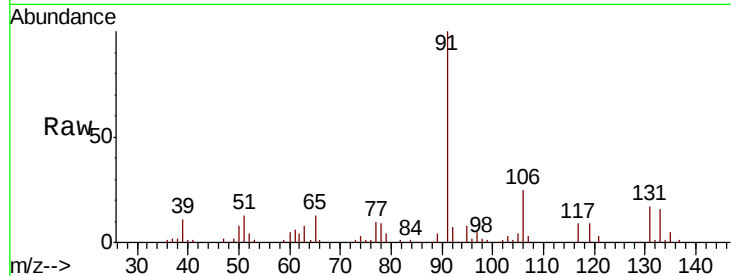




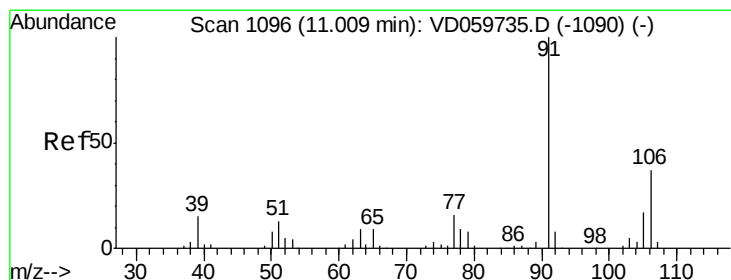
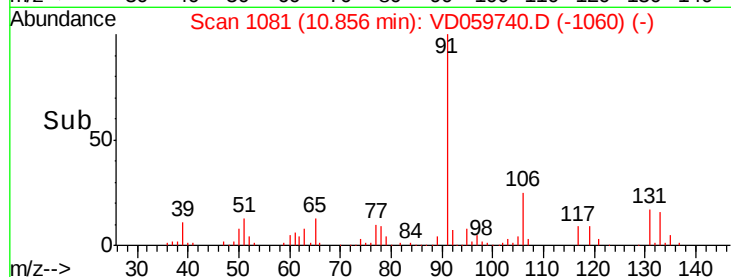
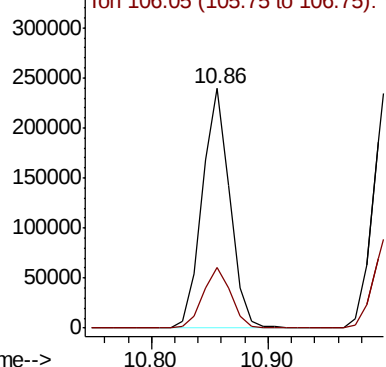
#67
Ethyl Benzene
Concen: 51.04 ug/l
RT: 10.86 min Scan# 1081
Delta R.T. 0.01 min
Lab File: VD059740.D
Acq: 13 Aug 2018 17:23

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion: 91 Resp: 391543
Ion Ratio Lower Upper
91 100
106 25.1 18.8 28.2

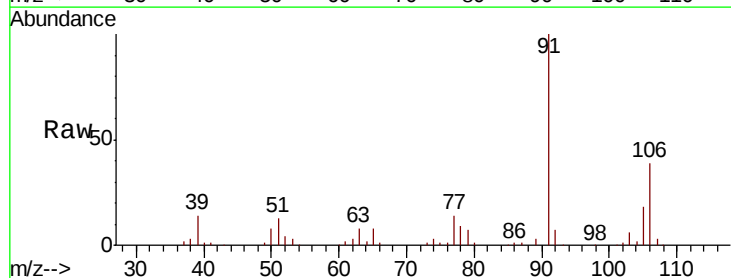


Abundance Ion 91.00 (90.70 to 91.70): VDC
Ion 106.05 (105.75 to 106.75): V

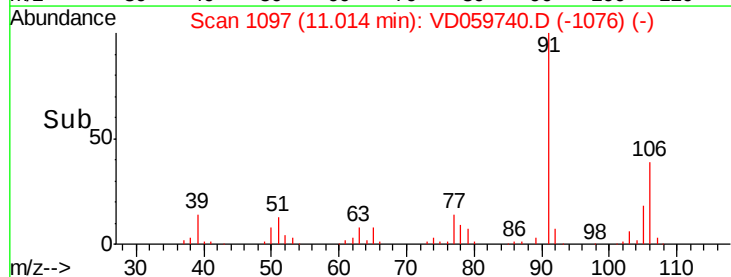
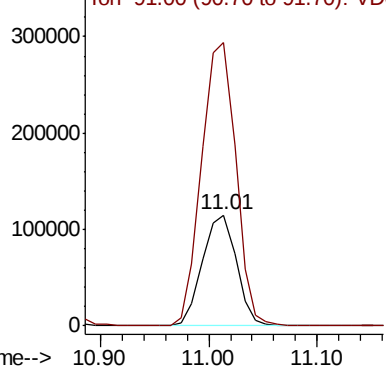


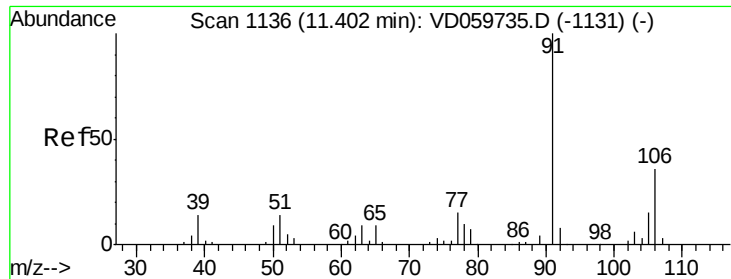
#68
m/p-Xylenes
Concen: 102.60 ug/l
RT: 11.01 min Scan# 1097
Delta R.T. 0.01 min
Lab File: VD059740.D
Acq: 13 Aug 2018 17:23

Tgt Ion: 106 Resp: 252311
Ion Ratio Lower Upper
106 100
91 255.1 213.8 320.8



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

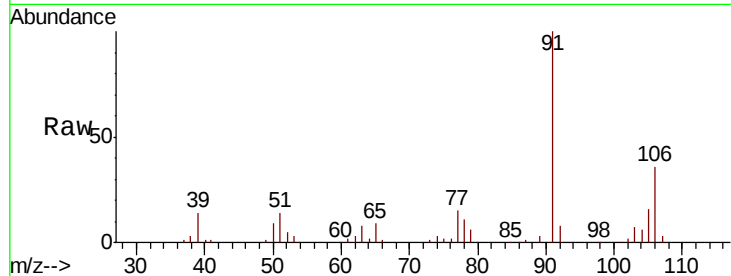




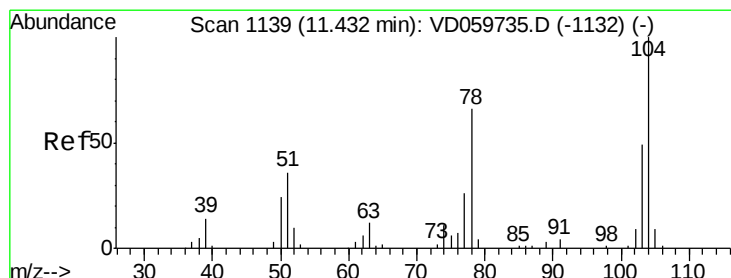
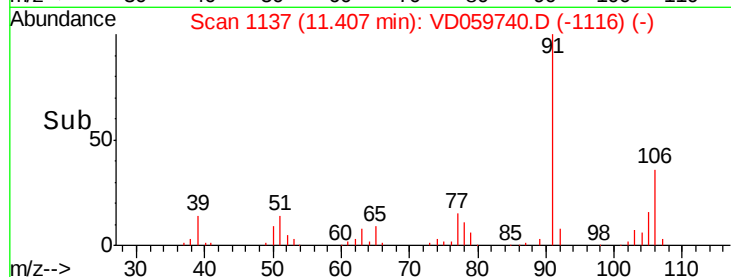
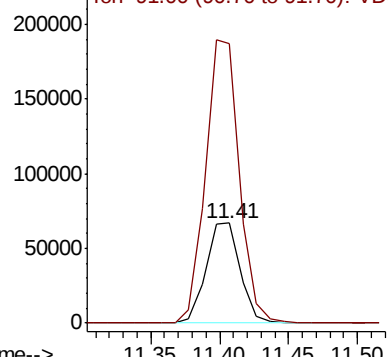
#69
o-Xylene
Concen: 48.10 ug/l
RT: 11.41 min Scan# 1137
Delta R.T. 0.01 min
Lab File: VD059740.D
Acq: 13 Aug 2018 17:23

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion:106 Resp: 115015
Ion Ratio Lower Upper
106 100
91 279.6 139.8 419.4

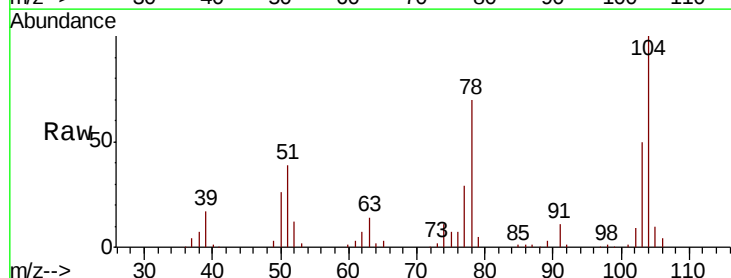


Abundance Ion 106.05 (105.75 to 106.75): V
Ion 91.00 (90.70 to 91.70): V

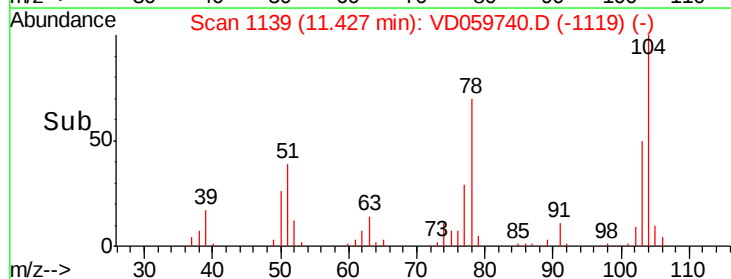
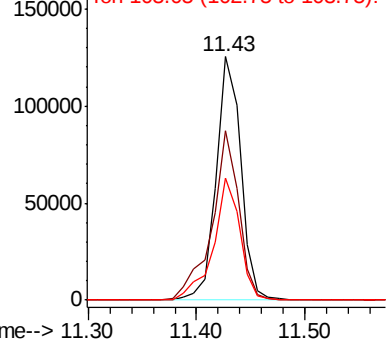


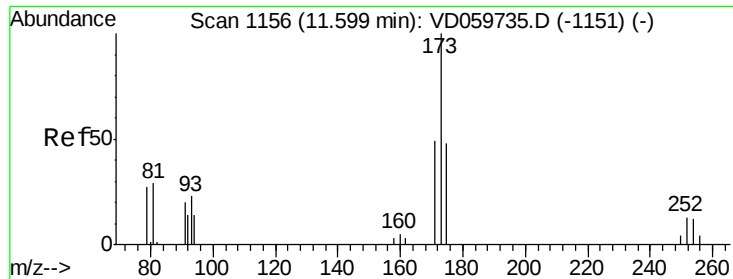
#70
Styrene
Concen: 50.72 ug/l
RT: 11.43 min Scan# 1139
Delta R.T. -0.00 min
Lab File: VD059740.D
Acq: 13 Aug 2018 17:23

Tgt Ion:104 Resp: 198627
Ion Ratio Lower Upper
104 100
78 69.6 52.8 79.2
103 50.1 39.1 58.7



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

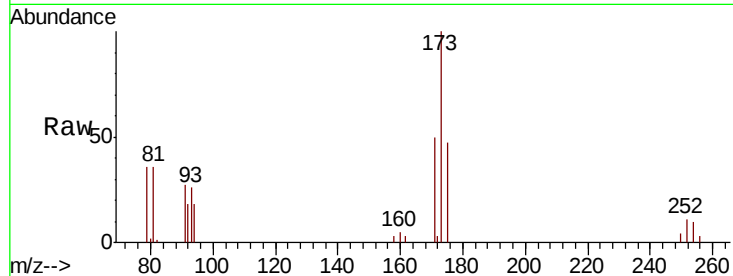




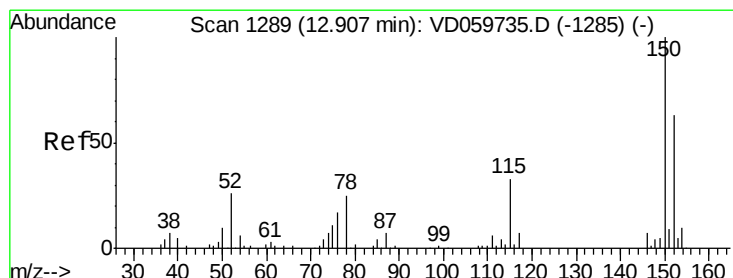
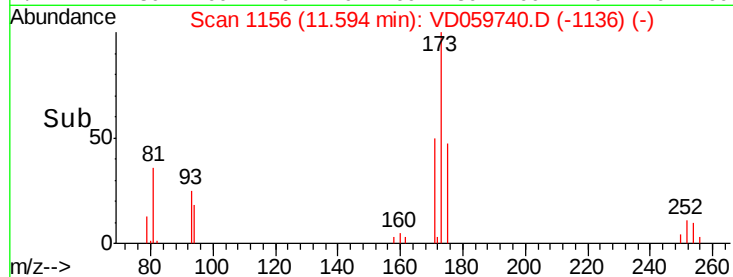
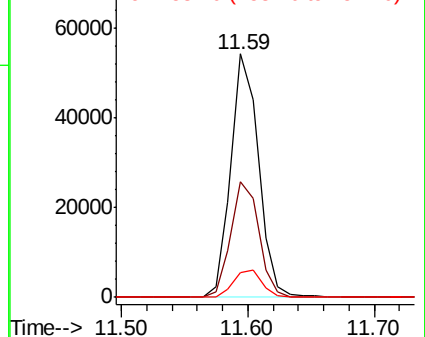
#71
Bromoform
Concen: 52.19 ug/l
RT: 11.59 min Scan# 1156
Delta R.T. -0.00 min
Lab File: VD059740.D
Acq: 13 Aug 2018 17:23

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion:173 Resp: 81861
Ion Ratio Lower Upper
173 100
175 47.3 24.1 72.2
254 9.9 9.3 13.9

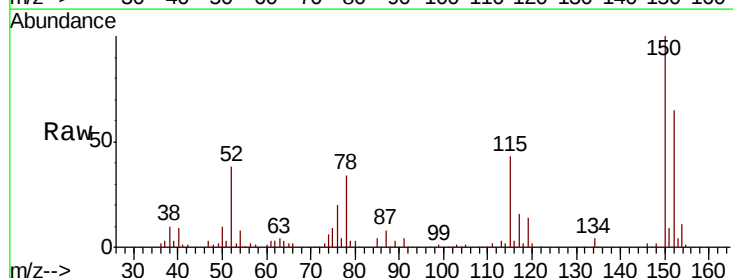


Abundance Ion 172.80 (172.50 to 173.50): V
Ion 174.80 (174.50 to 175.50): V
Ion 253.70 (253.40 to 254.40): V

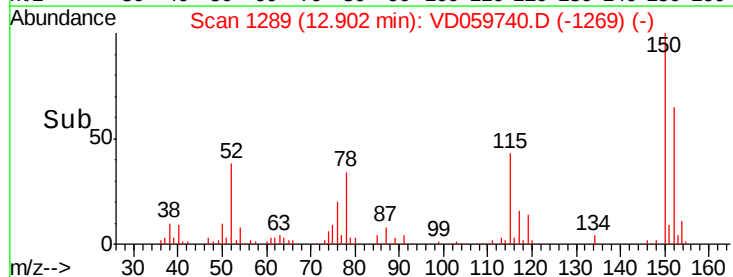
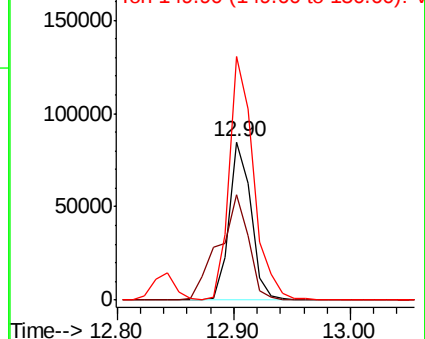


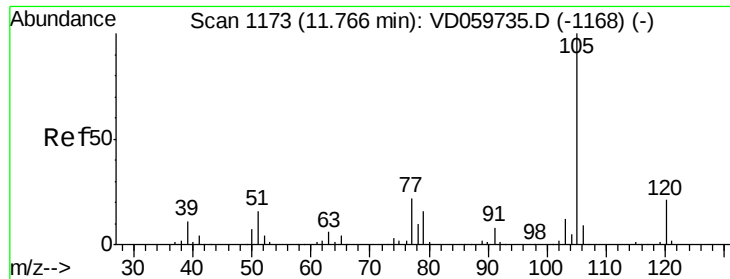
#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 12.90 min Scan# 1289
Delta R.T. -0.00 min
Lab File: VD059740.D
Acq: 13 Aug 2018 17:23

Tgt Ion:152 Resp: 110551
Ion Ratio Lower Upper
152 100
115 66.4 29.8 89.3
150 153.8 0.0 320.4



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: 50.49 ug/l

RT: 11.77 min Scan# 1174

Delta R.T. 0.01 min

Lab File: VD059740.D

Acq: 13 Aug 2018 17:23

Instrument :

MSVOA_D

ClientSampleId :

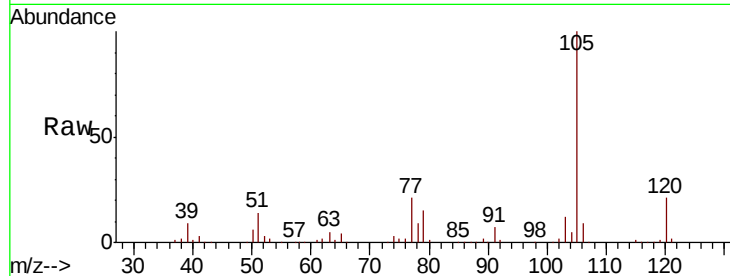
VSTDCCC050

Tot Ion:105 Resp: 379248

Ion Ratio Lower Upper

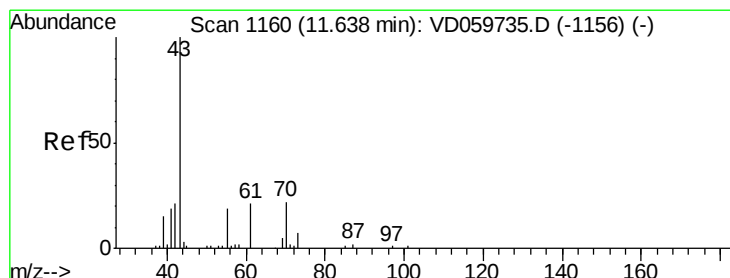
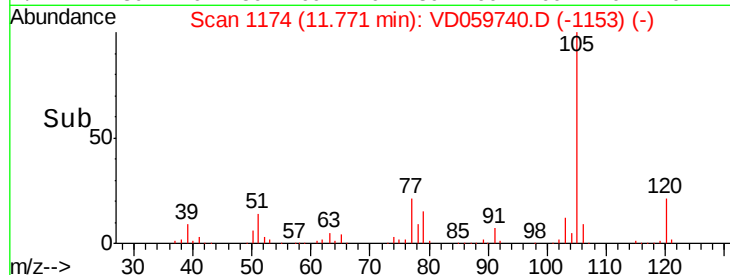
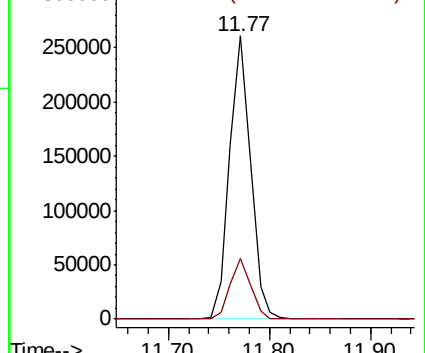
105 100

120 21.3 10.3 30.8



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.05 (119.75 to 120.75): V



#74

N-ethyl acetate

Concen: 56.39 ug/l

RT: 11.64 min Scan# 1161

Delta R.T. 0.01 min

Lab File: VD059740.D

Acq: 13 Aug 2018 17:23

Tgt Ion: 43 Resp: 121416

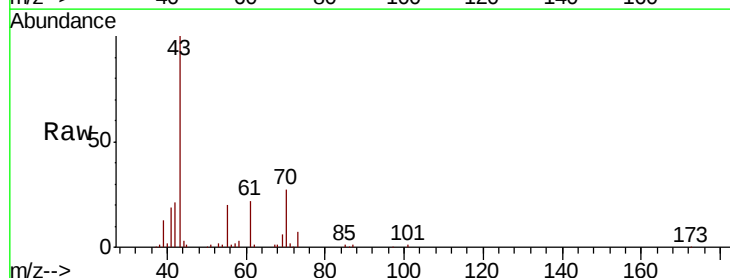
Ion Ratio Lower Upper

43 100

70 27.1 18.0 27.0#

55 19.7 14.8 22.2

61 22.3 17.1 25.7

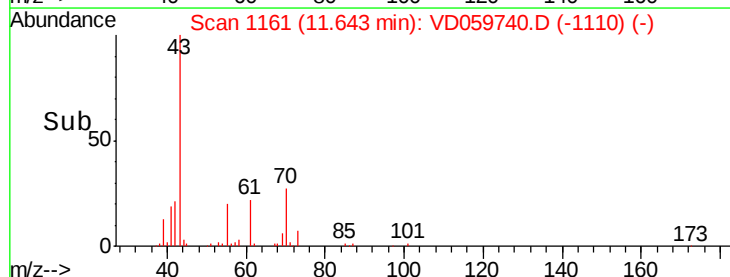
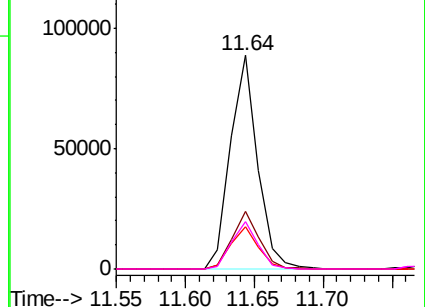


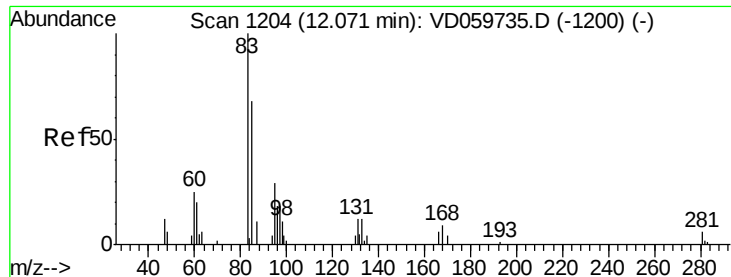
Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 70.00 (69.70 to 70.70): VDC

Ion 55.00 (54.70 to 55.70): VDC

Ion 60.95 (60.65 to 61.65): VDC





#75

1,1,2,2-Tetrachloroethane

Concen: 52.81 ug/l

RT: 12.08 min Scan# 1205

Delta R.T. 0.01 min

Lab File: VD059740.D

Acq: 13 Aug 2018 17:23

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

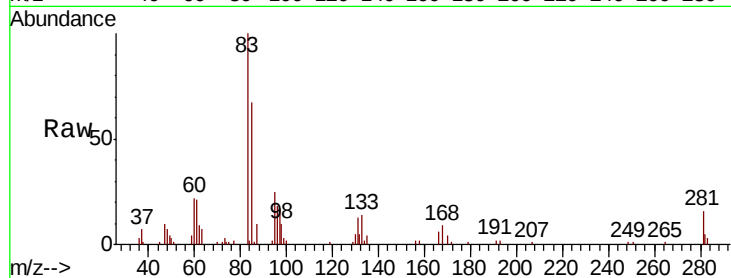
Tot Ion: 83 Resp: 72372

Ion Ratio Lower Upper

83 100

131 12.5 6.3 19.1

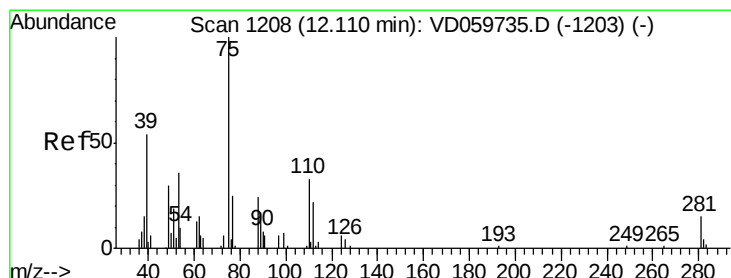
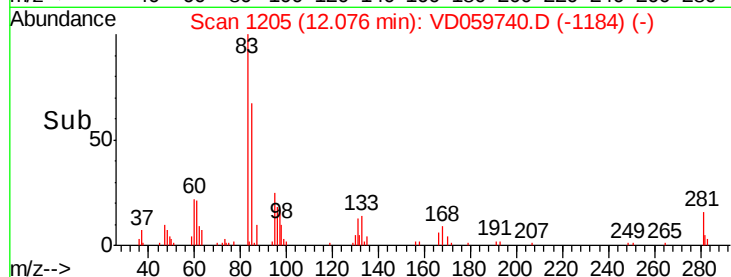
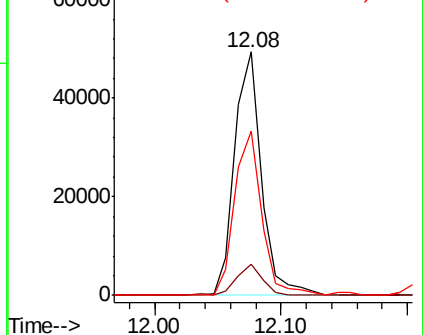
85 67.5 34.2 102.5



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: 52.62 ug/l

RT: 12.11 min Scan# 1208

Delta R.T. -0.00 min

Lab File: VD059740.D

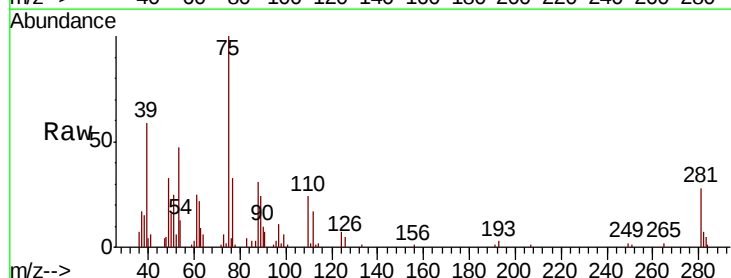
Acq: 13 Aug 2018 17:23

Tgt Ion: 75 Resp: 86046

Ion Ratio Lower Upper

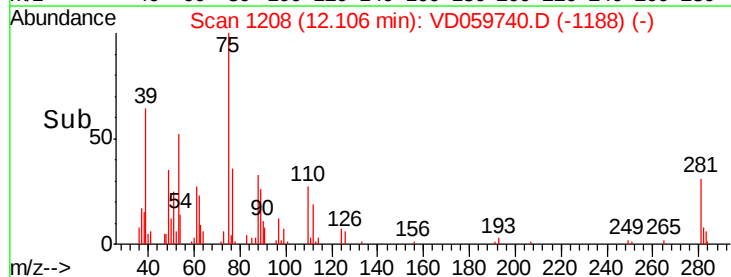
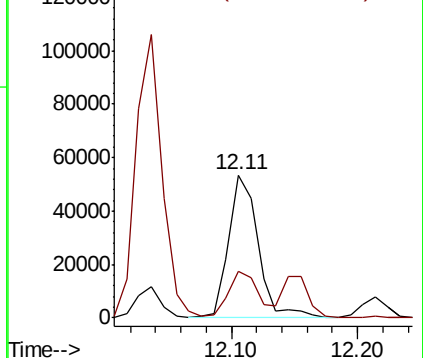
75 100

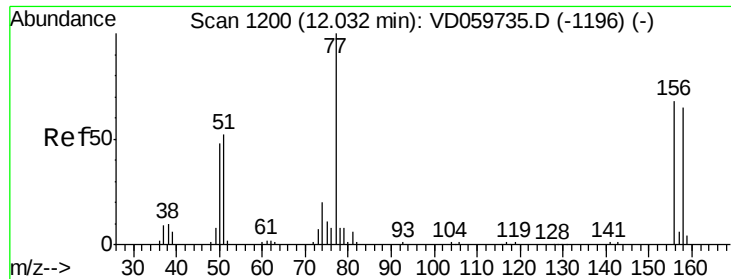
77 32.7 16.0 48.0



Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 76.95 (76.65 to 77.65): VDC





#77

Bromobenzene

Concen: 50.89 ug/l

RT: 12.04 min Scan# 1201

Delta R.T. 0.01 min

Lab File: VD059740.D

Acq: 13 Aug 2018 17:23

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

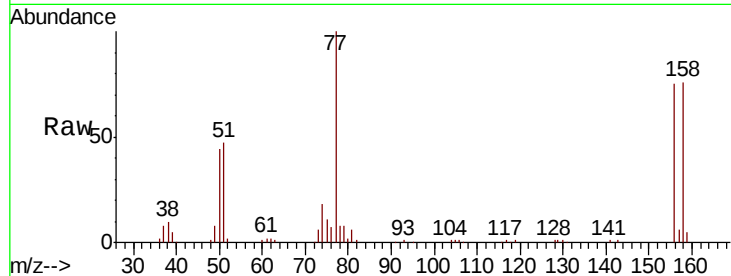
Tot Ion:156 Resp: 111628

Ion Ratio Lower Upper

156 100

77 132.5 73.3 219.8

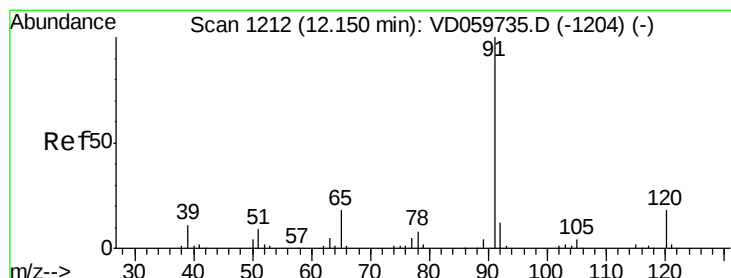
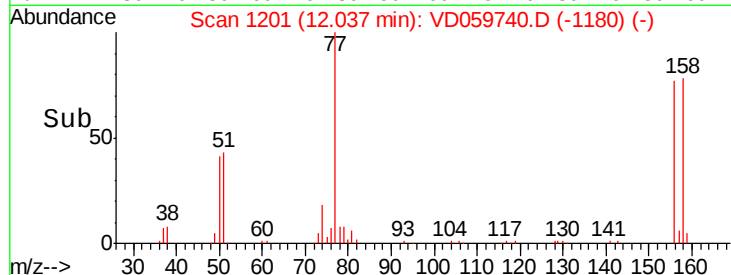
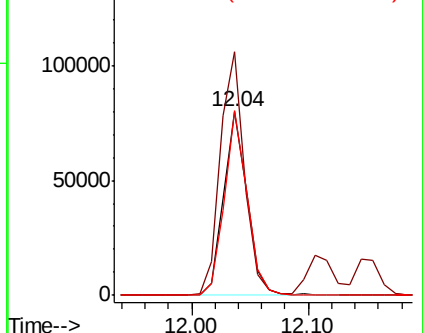
158 100.5 47.5 142.5



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: 51.66 ug/l

RT: 12.15 min Scan# 1213

Delta R.T. 0.01 min

Lab File: VD059740.D

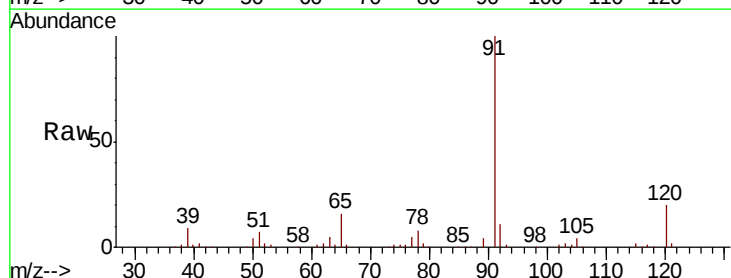
Acq: 13 Aug 2018 17:23

Tgt Ion: 91 Resp: 471384

Ion Ratio Lower Upper

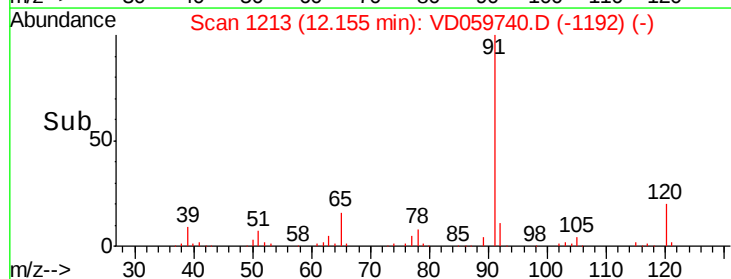
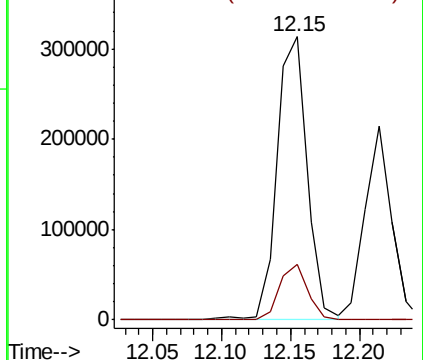
91 100

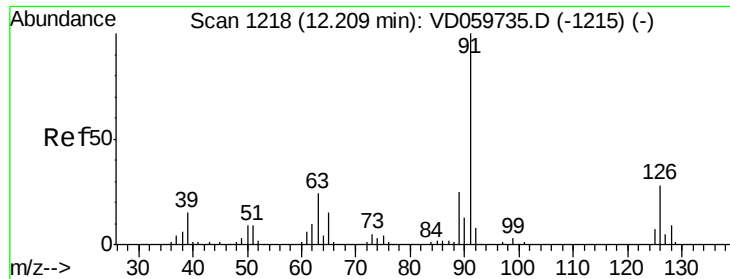
120 19.7 8.9 26.7



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 120.05 (119.75 to 120.75): V

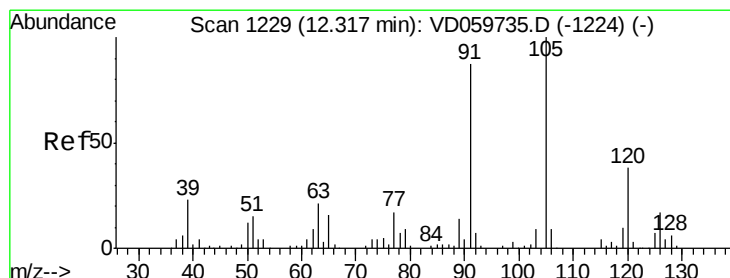
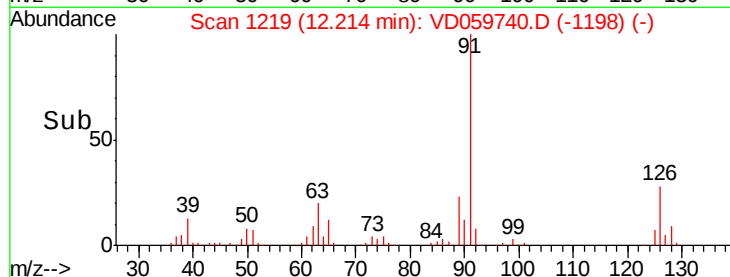
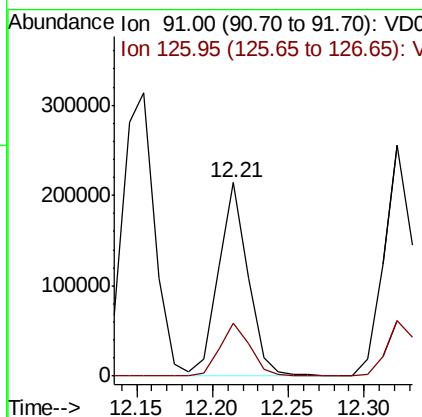
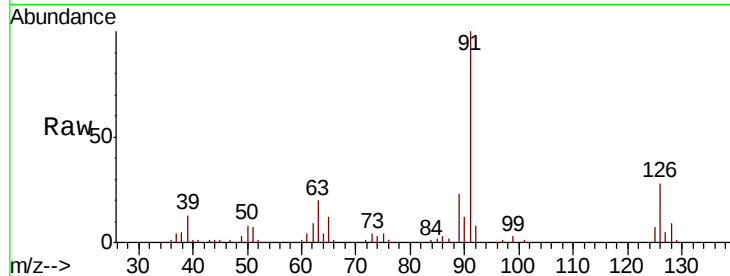




#79
 2-Chlorotoluene
 Concen: 49.85 ug/l
 RT: 12.21 min Scan# 1219
 Delta R.T. 0.01 min
 Lab File: VD059740.D
 Acq: 13 Aug 2018 17:23

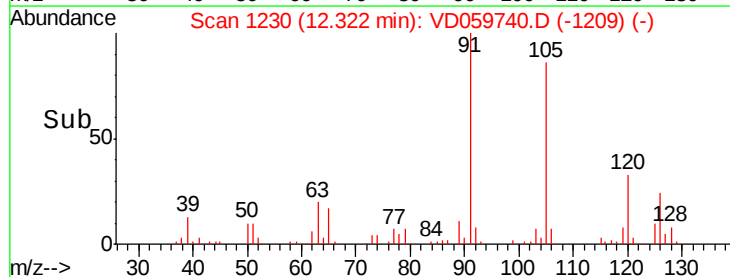
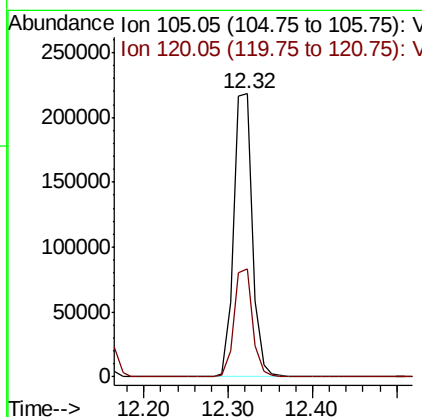
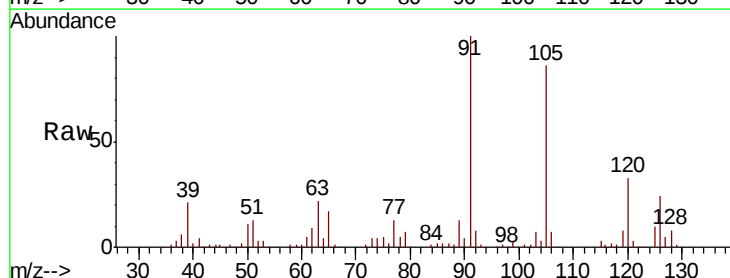
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

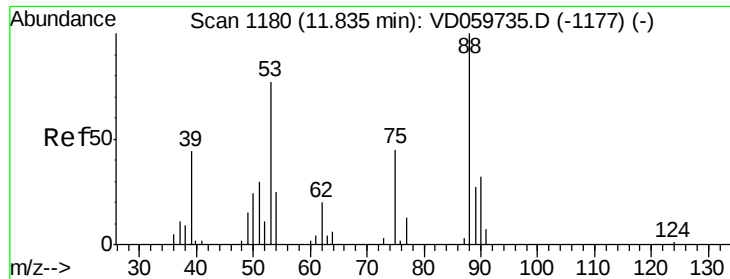
Tot Ion: 91 Resp: 287990
 Ion Ratio Lower Upper
 91 100
 126 27.5 13.3 39.9



#80
 1,3,5-Trimethylbenzene
 Concen: 51.67 ug/l
 RT: 12.32 min Scan# 1230
 Delta R.T. 0.01 min
 Lab File: VD059740.D
 Acq: 13 Aug 2018 17:23

Tgt Ion: 105 Resp: 336218
 Ion Ratio Lower Upper
 105 100
 120 38.2 19.2 57.6





#81

trans-1,4-Dichloro-2-butene

Concen: 57.03 ug/l

RT: 11.84 min Scan# 1181

Delta R.T. 0.01 min

Lab File: VD059740.D

Acq: 13 Aug 2018 17:23

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

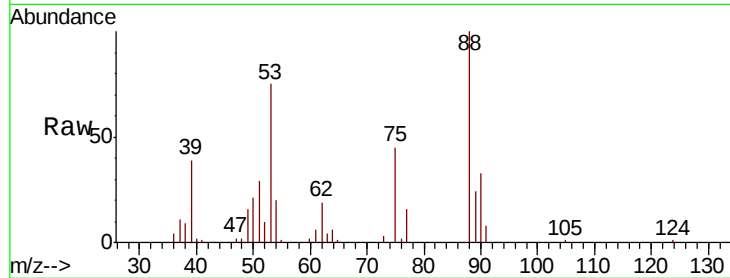
Tot Ion: 75 Resp: 21005

Ion Ratio Lower Upper

75 100

53 166.6 137.5 206.3

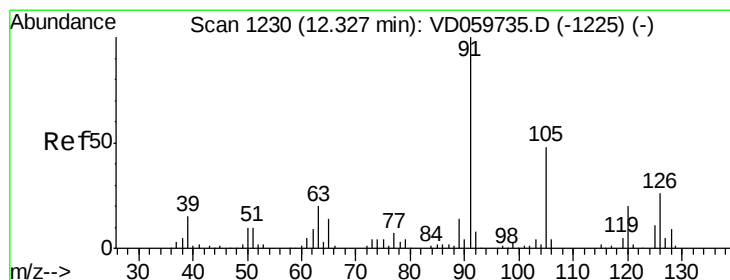
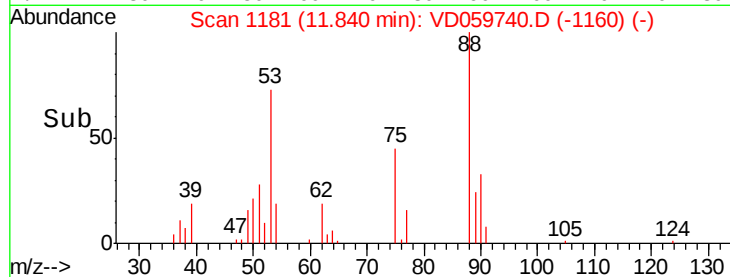
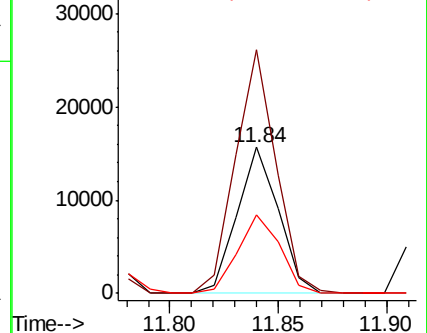
89 53.6 48.3 72.5



Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 53.00 (52.70 to 53.70): VDC

Ion 89.00 (88.70 to 89.70): VDC



#82

4-Chlorotoluene

Concen: 50.38 ug/l

RT: 12.32 min Scan# 1230

Delta R.T. -0.00 min

Lab File: VD059740.D

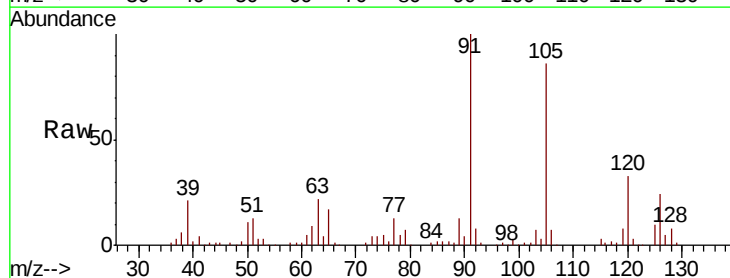
Acq: 13 Aug 2018 17:23

Tgt Ion: 91 Resp: 343110

Ion Ratio Lower Upper

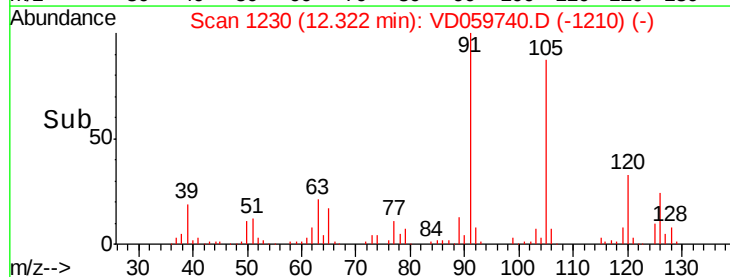
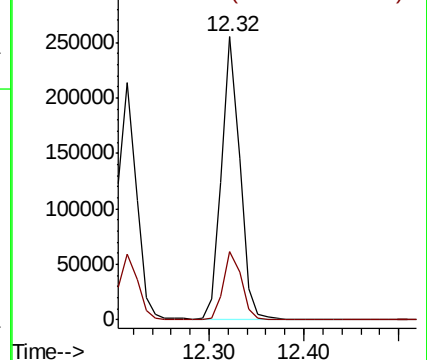
91 100

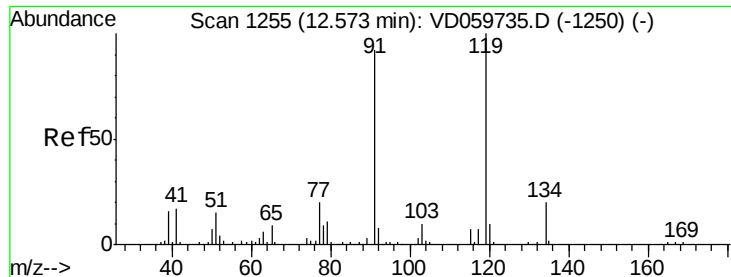
126 24.1 12.8 38.3



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 125.95 (125.65 to 126.65): V

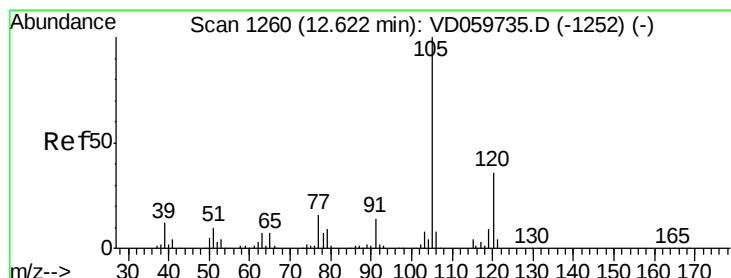
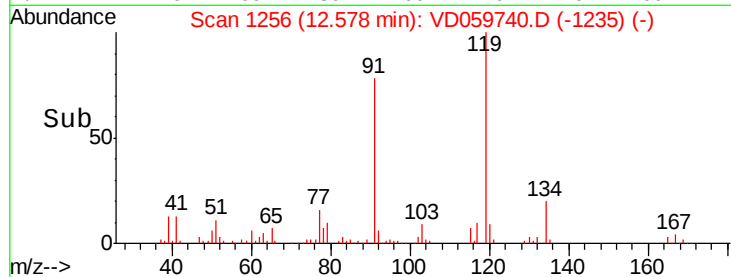
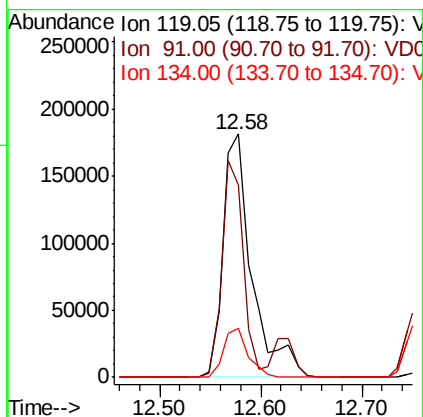
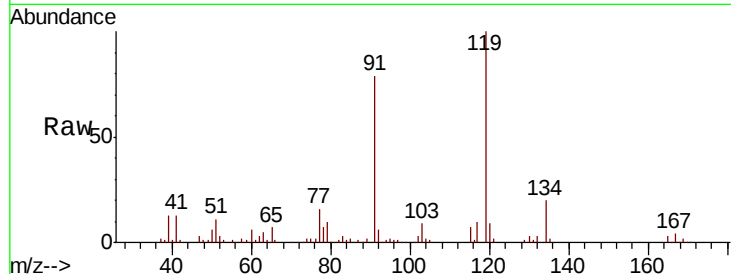




#83
 tert-Butylbenzene
 Concen: 50.61 ug/l
 RT: 12.58 min Scan# 1256
 Delta R.T. 0.01 min
 Lab File: VD059740.D
 Acq: 13 Aug 2018 17:23

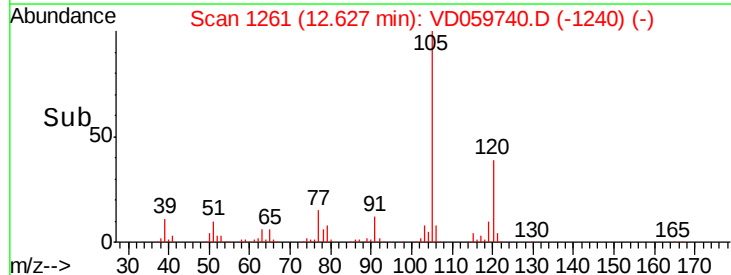
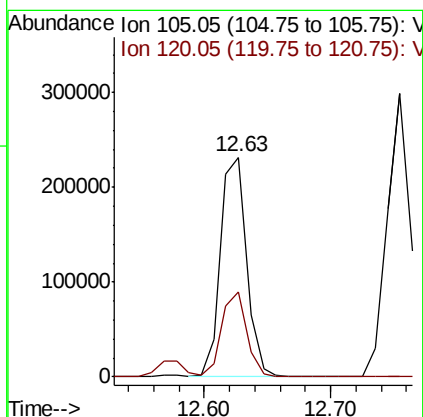
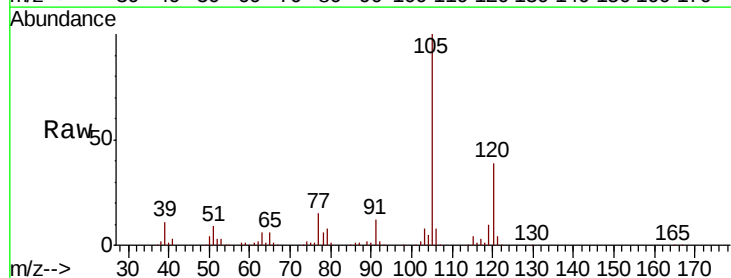
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

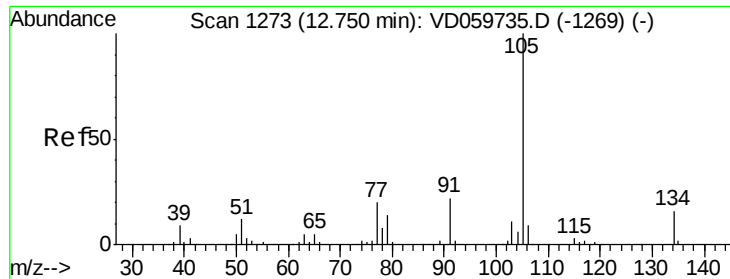
Tot Ion:119 Resp: 358189
 Ion Ratio Lower Upper
 119 100
 91 79.2 46.1 138.2
 134 20.1 9.9 29.7



#84
 1,2,4-Trimethylbenzene
 Concen: 49.41 ug/l
 RT: 12.63 min Scan# 1261
 Delta R.T. 0.01 min
 Lab File: VD059740.D
 Acq: 13 Aug 2018 17:23

Tgt Ion:105 Resp: 331752
 Ion Ratio Lower Upper
 105 100
 120 38.7 17.9 53.7

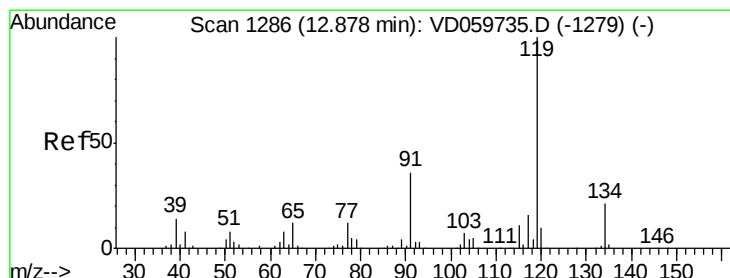
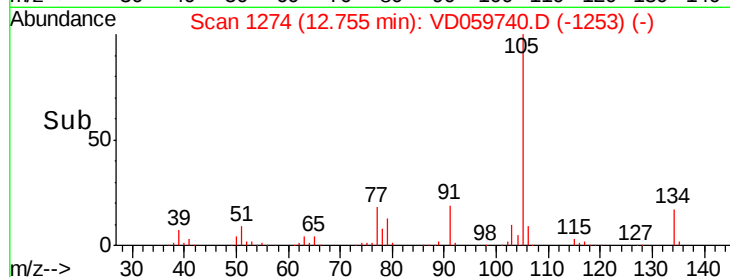
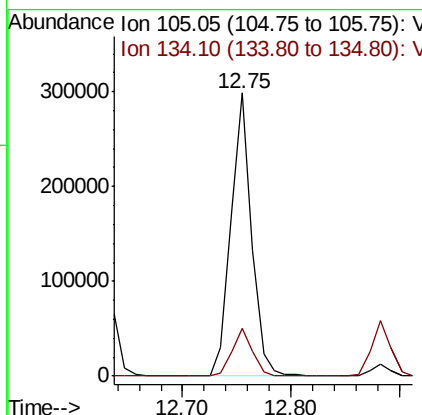
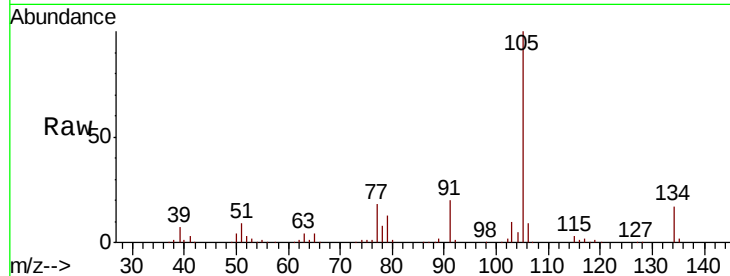




#85
 sec-Butylbenzene
 Concen: 52.70 ug/l
 RT: 12.75 min Scan# 1274
 Delta R.T. 0.01 min
 Lab File: VD059740.D
 Acq: 13 Aug 2018 17:23

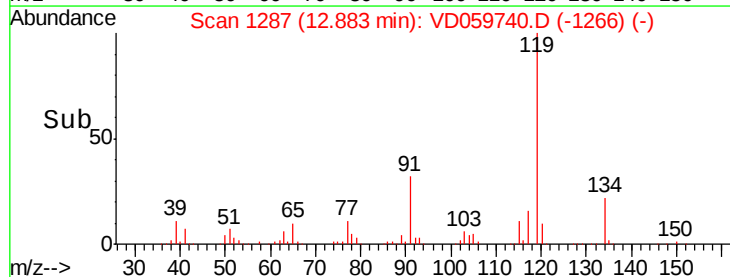
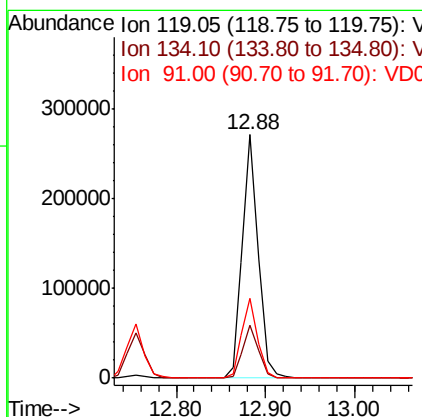
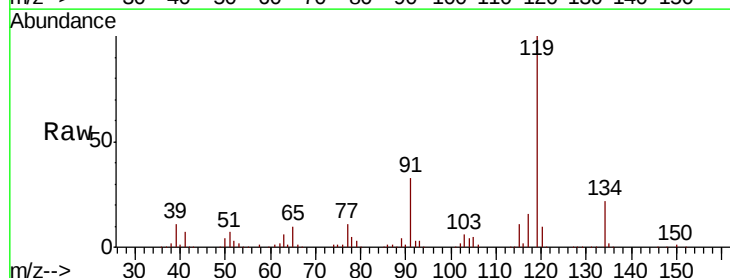
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

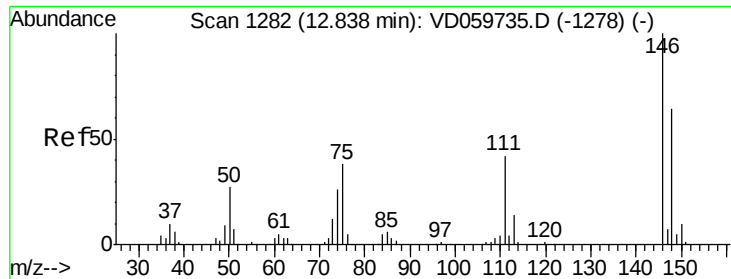
Tot Ion:105 Resp: 396458
 Ion Ratio Lower Upper
 105 100
 134 17.0 7.8 23.4



#86
 p-Isopropyltoluene
 Concen: 49.63 ug/l
 RT: 12.88 min Scan# 1287
 Delta R.T. 0.01 min
 Lab File: VD059740.D
 Acq: 13 Aug 2018 17:23

Tgt Ion:119 Resp: 336439
 Ion Ratio Lower Upper
 119 100
 134 21.5 10.5 31.6
 91 32.6 17.9 53.7

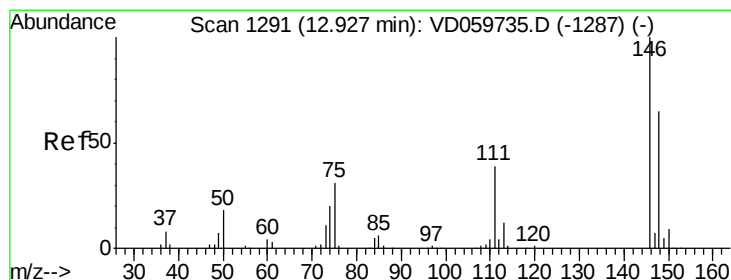
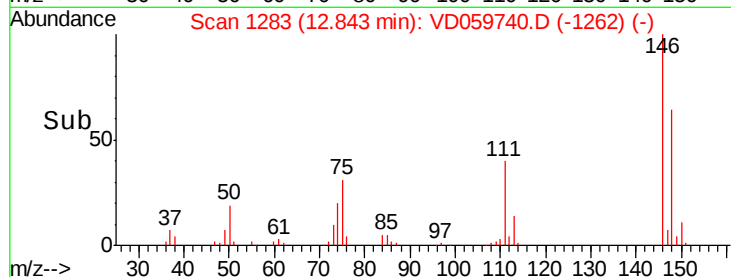
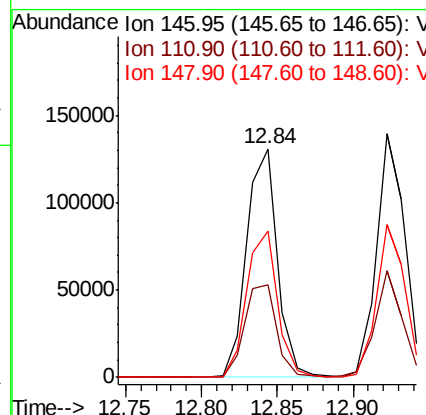
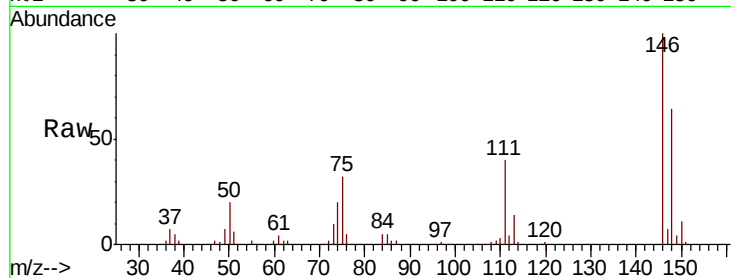




#87
 1,3-Dichlorobenzene
 Concen: 49.59 ug/l
 RT: 12.84 min Scan# 1283
 Delta R.T. 0.01 min
 Lab File: VD059740.D
 Acq: 13 Aug 2018 17:23

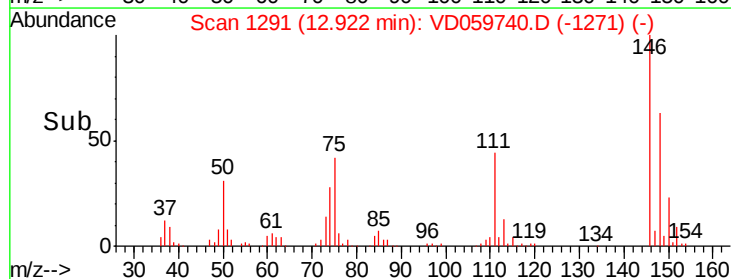
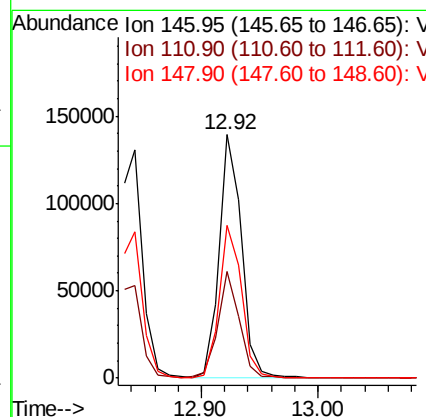
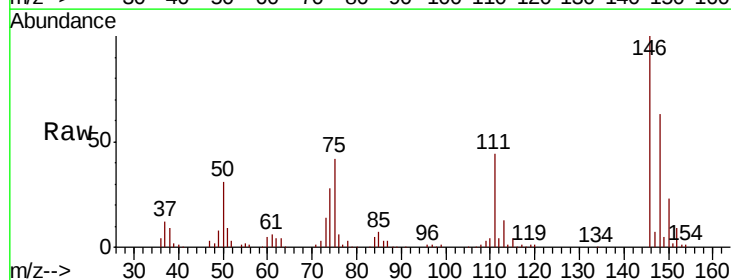
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

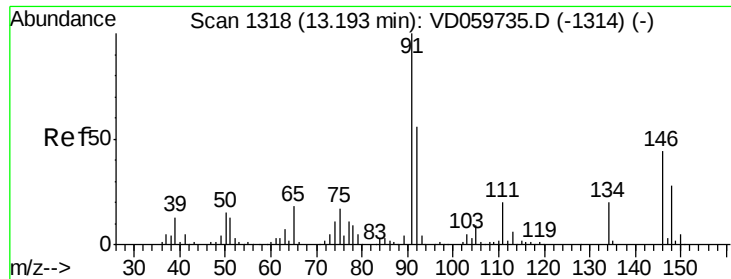
Tot Ion:146 Resp: 184158
 Ion Ratio Lower Upper
 146 100
 111 40.4 21.1 63.3
 148 64.1 32.2 96.6



#88
 1,4-Dichlorobenzene
 Concen: 49.97 ug/l
 RT: 12.92 min Scan# 1291
 Delta R.T. -0.00 min
 Lab File: VD059740.D
 Acq: 13 Aug 2018 17:23

Tgt Ion:146 Resp: 185528
 Ion Ratio Lower Upper
 146 100
 111 44.1 19.7 59.0
 148 62.8 32.4 97.2

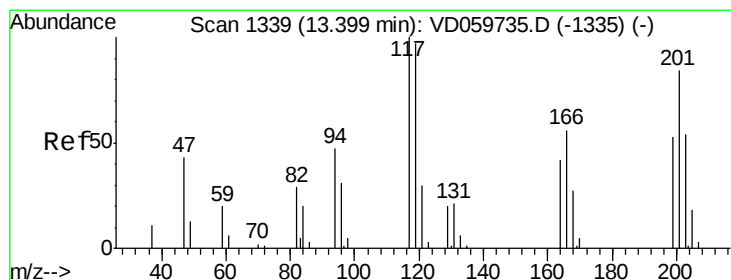
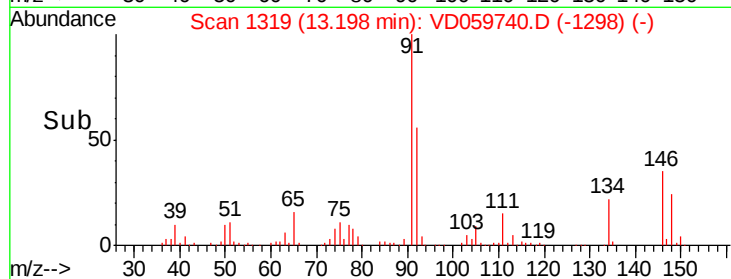
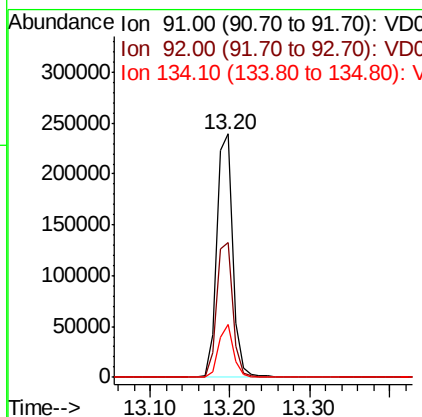
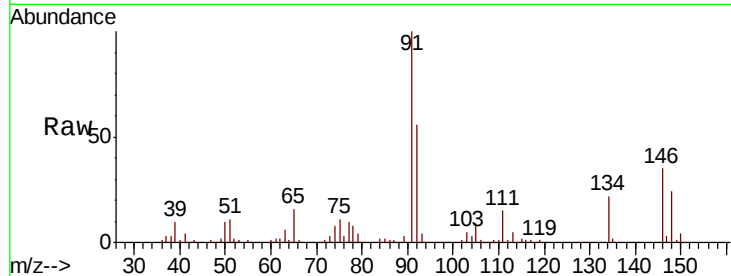




#89
n-Butylbenzene
Concen: 50.93 ug/l
RT: 13.20 min Scan# 1319
Delta R.T. 0.01 min
Lab File: VD059740.D
Acq: 13 Aug 2018 17:23

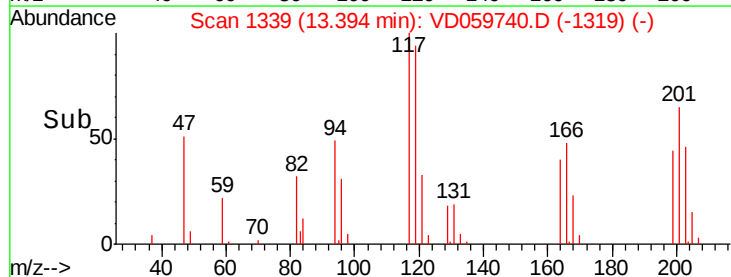
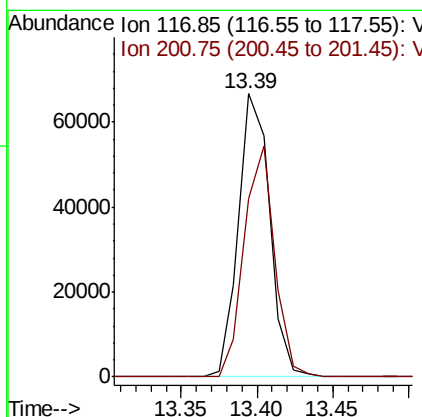
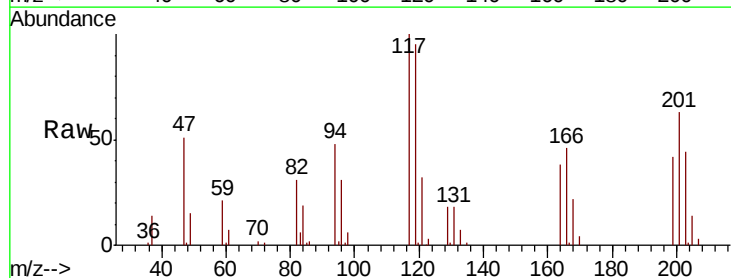
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

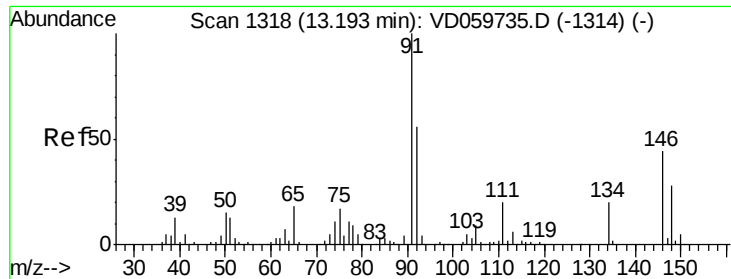
Tot Ion: 91 Resp: 341414
Ion Ratio Lower Upper
91 100
92 55.6 28.1 84.4
134 21.6 10.3 30.8



#90
Hexachloroethane
Concen: 54.41 ug/l
RT: 13.39 min Scan# 1339
Delta R.T. -0.00 min
Lab File: VD059740.D
Acq: 13 Aug 2018 17:23

Tgt Ion: 117 Resp: 95692
Ion Ratio Lower Upper
117 100
201 63.1 41.9 125.7

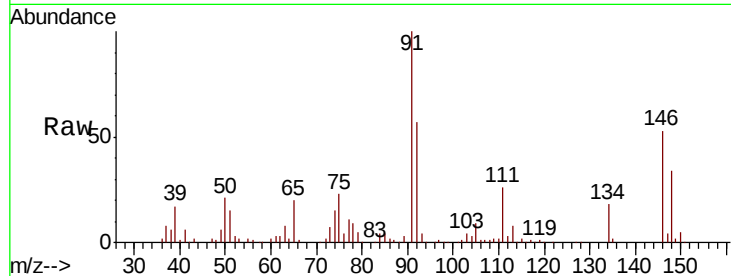




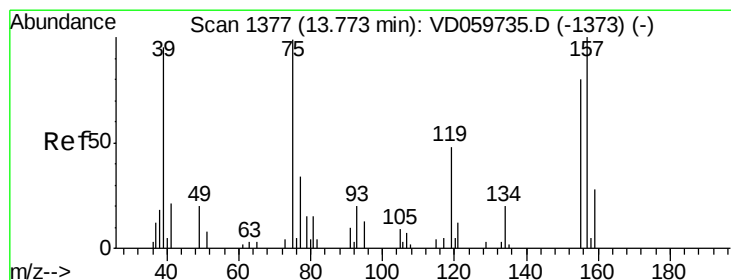
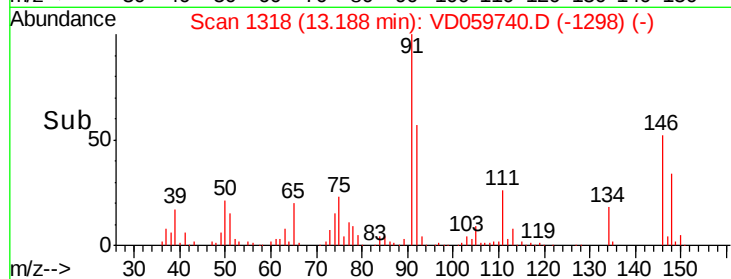
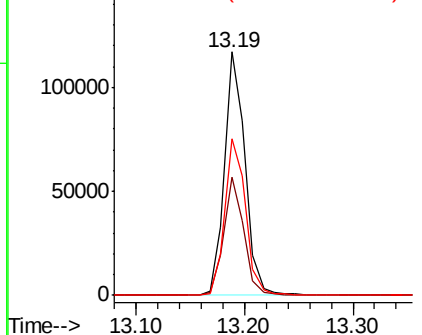
#91
 1,2-Dichlorobenzene
 Concen: 48.95 ug/l
 RT: 13.19 min Scan# 1318
 Delta R.T. -0.00 min
 Lab File: VD059740.D
 Acq: 13 Aug 2018 17:23

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion:146 Resp: 154432
 Ion Ratio Lower Upper
 146 100
 111 48.6 22.9 68.5
 148 64.2 31.8 95.4

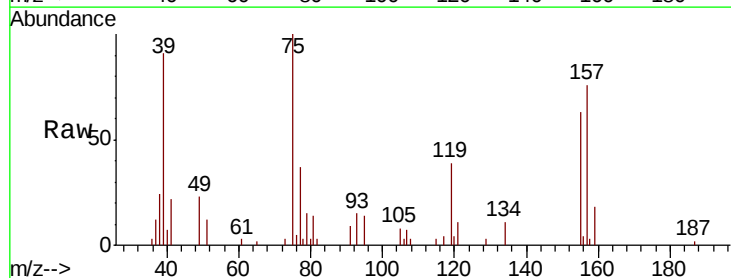


Abundance Ion 145.95 (145.65 to 146.65): V
 Ion 110.90 (110.60 to 111.60): V
 Ion 147.90 (147.60 to 148.60): V

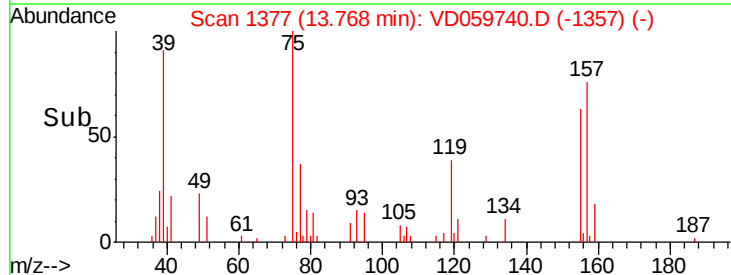
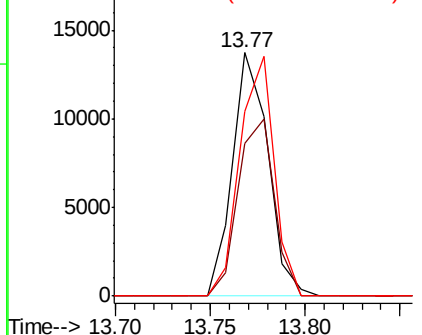


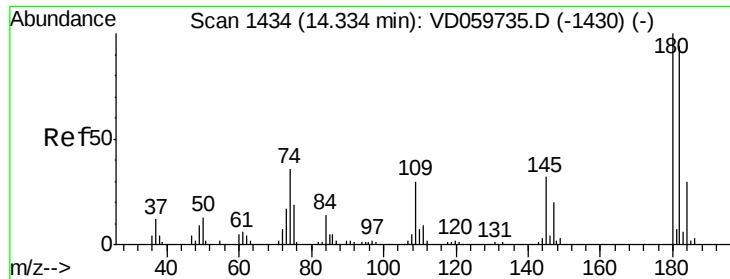
#92
 1,2-Dibromo-3-Chloropropane
 Concen: 51.85 ug/l
 RT: 13.77 min Scan# 1377
 Delta R.T. -0.00 min
 Lab File: VD059740.D
 Acq: 13 Aug 2018 17:23

Tgt Ion: 75 Resp: 17701
 Ion Ratio Lower Upper
 75 100
 155 62.6 40.4 121.1
 157 76.0 50.5 151.6



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

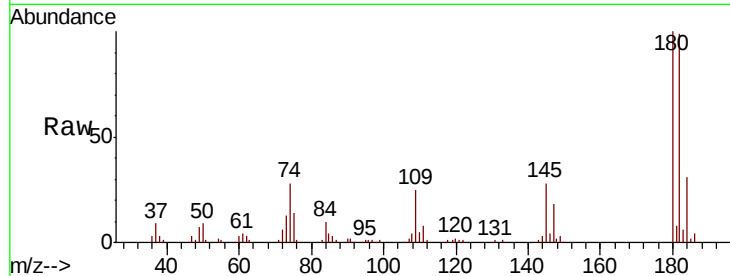




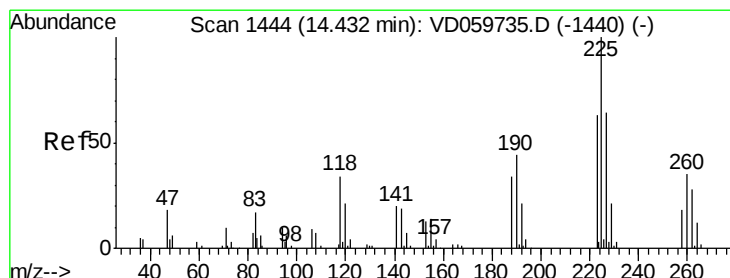
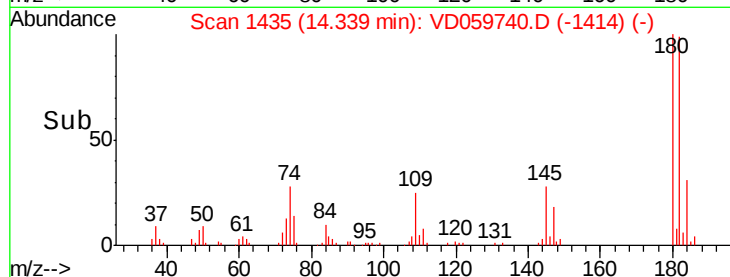
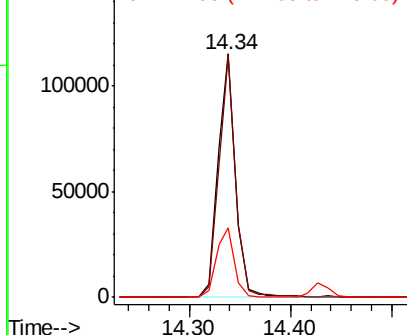
#93
 1,2,4-Trichlorobenzene
 Concen: 46.67 ug/l
 RT: 14.34 min Scan# 1435
 Delta R.T. 0.01 min
 Lab File: VD059740.D
 Acq: 13 Aug 2018 17:23

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion:180 Resp: 139788
 Ion Ratio Lower Upper
 180 100
 182 99.1 47.1 141.4
 145 28.4 15.8 47.3

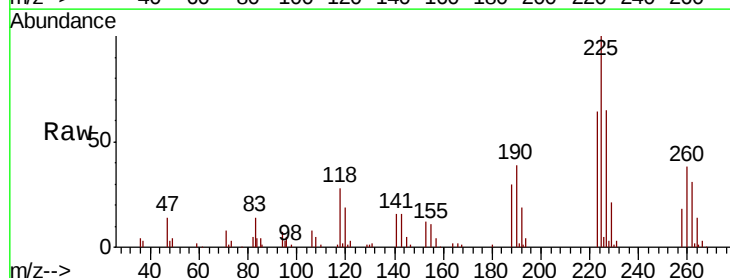


Abundance Ion 179.85 (179.55 to 180.55): V
 Ion 181.85 (181.55 to 182.55): V
 Ion 144.95 (144.65 to 145.65): V

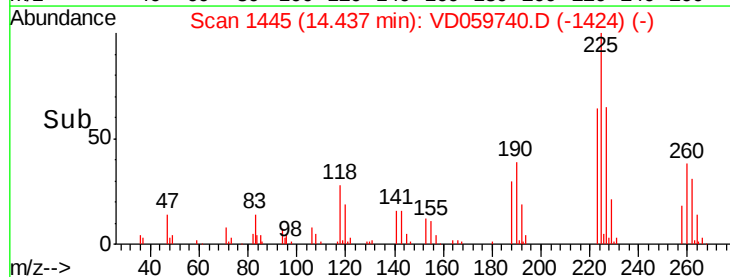
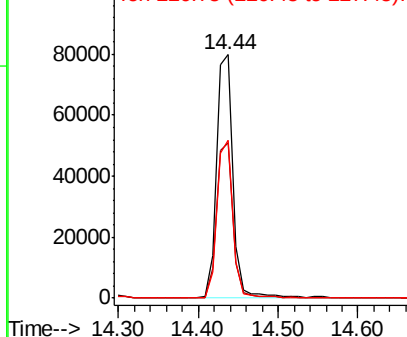


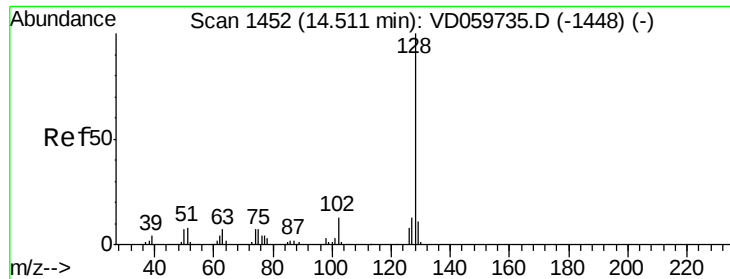
#94
 Hexachlorobutadiene
 Concen: 46.40 ug/l
 RT: 14.44 min Scan# 1445
 Delta R.T. 0.01 min
 Lab File: VD059740.D
 Acq: 13 Aug 2018 17:23

Tgt Ion:225 Resp: 116488
 Ion Ratio Lower Upper
 225 100
 223 63.6 31.5 94.5
 227 65.0 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

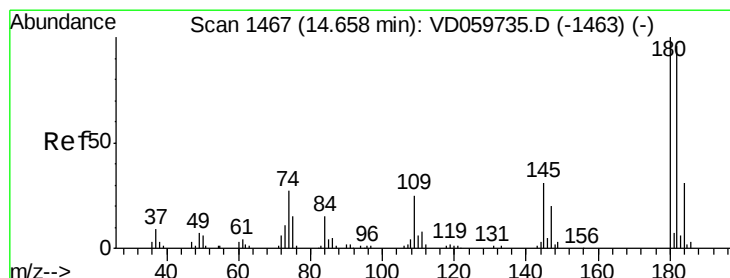
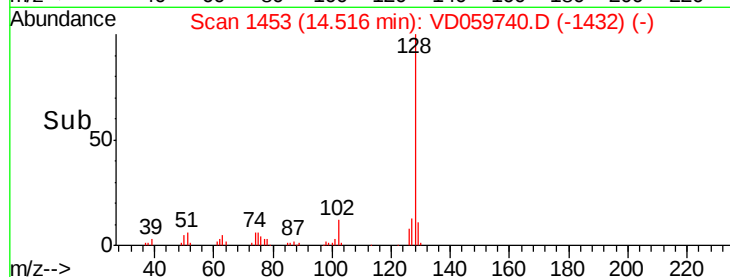
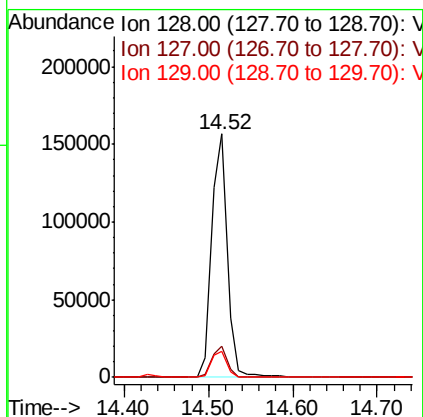
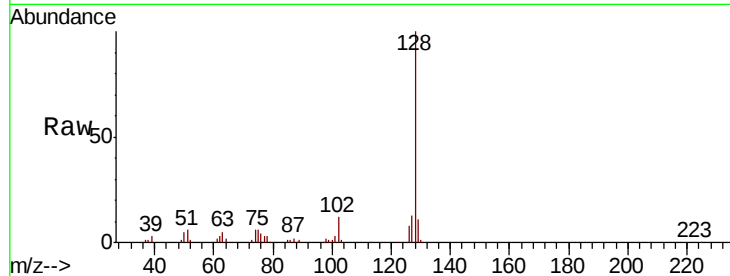




#95
Naphthalene
Concen: 50.36 ug/l
RT: 14.52 min Scan# 1453
Delta R.T. 0.01 min
Lab File: VD059740.D
Acq: 13 Aug 2018 17:23

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion:128 Resp: 203137
Ion Ratio Lower Upper
128 100
127 12.9 10.4 15.6
129 10.5 8.9 13.3



#96
1,2,3-Trichlorobenzene
Concen: 48.45 ug/l
RT: 14.65 min Scan# 1467
Delta R.T. -0.00 min
Lab File: VD059740.D
Acq: 13 Aug 2018 17:23

Tgt Ion:180 Resp: 124067
Ion Ratio Lower Upper
180 100
182 99.3 48.1 144.4
145 34.6 15.4 46.4

