

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD062018\
 Data File : VD058222.D
 Acq On : 20 Jun 2018 21:01
 Operator : VA/AP
 Sample : J3523-02MS
 Misc : 4.39g/5ml/MSVOA D/SOIL
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 AREA1(S)MS

Quant Time: Jun 21 01:47:58 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D061918S.M
 Quant Title : SW846 8260
 QLast Update : Wed Jun 20 05:52:56 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.64	168	613616	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.70	114	946290	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.69	117	604565	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.91	152	174947	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.02	65	324026	52.28	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.56%	
35) Dibromofluoromethane	5.65	113	532	0.07	ug/l	0.10
Spiked Amount	50.000		Recovery	=	0.14%	
50) Toluene-d8	8.71	98	774686	41.58	ug/l	0.00
Spiked Amount	50.000		Recovery	=	83.16%	
62) 4-Bromofluorobenzene	11.93	95	218187	28.66	ug/l	0.00
Spiked Amount	50.000		Recovery	=	57.32%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.33	85	354607	62.884	ug/l	99
3) Chloromethane	1.48	50	231377	89.884	ug/l	93
4) Vinyl Chloride	1.55	62	203737	63.381	ug/l	96
5) Bromomethane	1.79	94	61005	58.257	ug/l #	81
6) Chloroethane	1.88	64	112676	134.996	ug/l	97
7) Trichlorofluoromethane	2.08	101	276903	62.826	ug/l	92
8) Diethyl Ether	2.34	74	64926	69.646	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	2.55	101	156403	55.820	ug/l	97
10) Methyl Iodide	2.69	142	131066	41.124	ug/l	98
11) Tert butyl alcohol	3.26	59	51820	253.497	ug/l #	88
12) 1,1-Dichloroethene	2.54	96	224864	106.665	ug/l	99
13) Acrolein	2.42	56	636	5.450	ug/l #	1
14) Allyl chloride	2.92	41	155468	31.686	ug/l	93
15) Acrylonitrile	3.36	53	139646	257.636	ug/l	90
16) Acetone	2.61	43	272200	321.134	ug/l	94
17) Carbon Disulfide	2.75	76	219763	30.640	ug/l	98
18) Methyl Acetate	3.08	43	109340	60.486	ug/l #	65
19) Methyl tert-butyl Ether	3.40	73	399716	71.487	ug/l #	83
20) Methylene Chloride	3.06	84	182704	85.998	ug/l	95
21) trans-1,2-Dichloroethene	3.39	96	123243	53.491	ug/l	98
22) Diisopropyl ether	4.07	45	1508482	77.408	ug/l #	79
23) Vinyl Acetate	4.07	43	641067	61.368	ug/l #	82
24) 1,1-Dichloroethane	3.97	63	849687	80.933	ug/l	97
25) 2-Butanone	4.84	43	539607	292.088	ug/l	98
26) 2,2-Dichloropropane	4.80	77	242916	27.633	ug/l	87
27) cis-1,2-Dichloroethene	4.81	96	373432	64.861	ug/l	90
28) Bromochloromethane	5.14	49	313413	66.594	ug/l	93
29) Tetrahydrofuran	5.19	42	272773	277.395	ug/l	97
30) Chloroform	5.33	83	831522	75.023	ug/l	96
31) Cyclohexane	5.59	56	446830	59.626	ug/l	91
32) 1,1,1-Trichloroethane	5.51	97	617379	67.418	ug/l	95
36) 1,1-Dichloropropene	5.75	75	419796	44.844	ug/l	99
37) Ethyl Acetate	4.84	43	542046	101.627	ug/l #	70
38) Carbon Tetrachloride	5.72	117	429156	46.139	ug/l	97

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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.29	83	393862	43.196	ug/l	98
40) Benzene	6.02	78	1396292	62.615	ug/l	100
41) Methacrylonitrile	5.12	41	136031	52.816	ug/l	96
42) 1,2-Dichloroethane	6.13	62	472693	52.571	ug/l	100
43) Isopropyl Acetate	7.65	43	22656	3.186	ug/l #	48
44) Trichloroethene	6.98	130	623478	93.111	ug/l	98
45) 1,2-Dichloropropane	7.36	63	347607	57.881	ug/l	100
46) Dibromomethane	7.46	93	199921	48.764	ug/l	98
47) Bromodichloromethane	7.75	83	399199	42.700	ug/l	98
48) Methyl methacrylate	7.55	41	17051	3.945	ug/l #	82
49) 1,4-Dioxane	7.49	88	17220	441.402	ug/l #	83
51) 4-Methyl-2-Pentanone	8.61	43	1131191	243.883	ug/l	98
52) Toluene	8.80	92	1021551	80.452	ug/l	97
53) t-1,3-Dichloropropene	9.20	75	213999	26.328	ug/l	96
54) cis-1,3-Dichloropropene	8.37	75	266910	28.010	ug/l	98
55) 1,1,2-Trichloroethane	9.46	97	104172	23.188	ug/l	94
56) Ethyl methacrylate	9.37	69	89196	16.602	ug/l #	1
57) 1,3-Dichloropropane	9.67	76	380067	50.225	ug/l	98
58) 2-Chloroethyl Vinyl ether	8.19	63	676154	254.216	ug/l	98
59) 2-Hexanone	9.79	43	1010451	301.491	ug/l	100
60) Dibromochloromethane	9.96	129	239247	39.242	ug/l	97
61) 1,2-Dibromoethane	10.10	107	203948	41.479	ug/l	96
64) Tetrachloroethene	9.52	164	446579	87.790	ug/l	97
65) Chlorobenzene	10.72	112	617511	54.605	ug/l	98
66) 1,1,1,2-Tetrachloroethane	10.85	131	210857	48.316	ug/l	95
67) Ethyl Benzene	10.87	91	4816291	241.239	ug/l	98
68) m/p-Xylenes	11.03	106	5114580	768.203	ug/l	99
69) o-Xylene	11.41	106	1817468	285.813	ug/l	92
70) Styrene	11.44	104	558337	51.455	ug/l	98
71) Bromoform	11.61	173	155932	44.791	ug/l	96
73) Isopropylbenzene	11.78	105	922705	88.176	ug/l	99
74) N-amyl acetate	11.60	43	89524	22.126	ug/l #	52
75) 1,1,2,2-Tetrachloroethane	12.09	83	29299	12.031	ug/l #	39
76) 1,2,3-Trichloropropane	12.12	75	176529	69.111	ug/l	98
77) Bromobenzene	12.04	156	244247	77.946	ug/l	87
78) n-propylbenzene	12.16	91	1118075	82.737	ug/l	98
79) 2-Chlorotoluene	12.22	91	698911	90.380	ug/l	99
80) 1,3,5-Trimethylbenzene	12.33	105	1157433	141.808	ug/l	98
81) trans-1,4-Dichloro-2-buten	11.84	75	10824	17.375	ug/l #	62
82) 4-Chlorotoluene	12.33	91	622428	86.568	ug/l	84
83) tert-Butylbenzene	12.57	119	389741	41.534	ug/l	93
84) 1,2,4-Trimethylbenzene	12.63	105	1832769	206.577	ug/l	99
85) sec-Butylbenzene	12.76	105	594684	54.067	ug/l	97
86) p-Isopropyltoluene	12.89	119	484985	54.411	ug/l	97
87) 1,3-Dichlorobenzene	12.85	146	287359	52.761	ug/l	99
88) 1,4-Dichlorobenzene	12.93	146	271040	50.962	ug/l	97
89) n-Butylbenzene	13.19	91	488768	52.176	ug/l	91
90) Hexachloroethane	13.40	117	126547	54.700	ug/l	59
91) 1,2-Dichlorobenzene	13.19	146	267440	57.702	ug/l	96
92) 1,2-Dibromo-3-Chloropropan	13.77	75	18467	47.650	ug/l	58

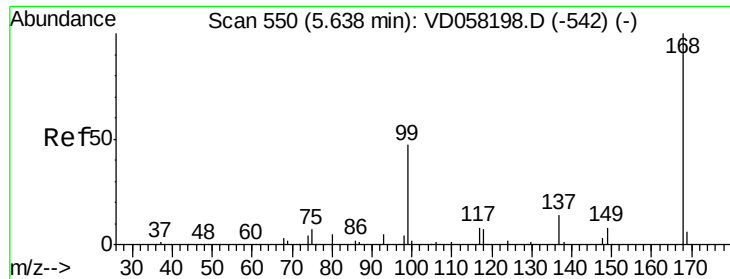
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD062018\
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Quant Title : SW846 8260
QLast Update : Wed Jun 20 05:52:56 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.35	180	98580	22.238	ug/l	91
94) Hexachlorobutadiene	14.43	225	42017	12.118	ug/l	92
95) Naphthalene	14.52	128	482708	82.667	ug/l	99
96) 1,2,3-Trichlorobenzene	14.66	180	85232	21.963	ug/l #	90

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.64 min Scan# 550

Delta R.T. 0.01 min

Lab File: VD058222.D

Acq: 20 Jun 2018 21:01

Instrument :

MSVOA_D

ClientSampleId :

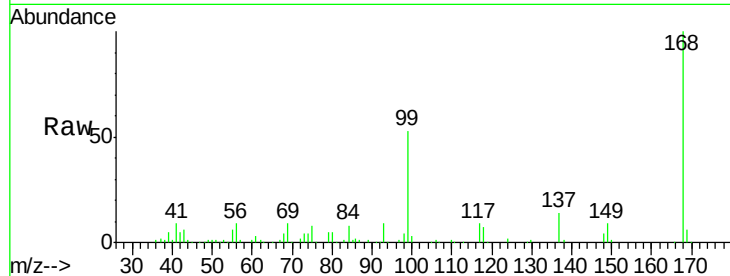
AREA1(S)MS

Tot Ion:168 Resp: 613616

Ion Ratio Lower Upper

168 100

99 52.8 41.1 61.7



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC

5.64

250000

200000

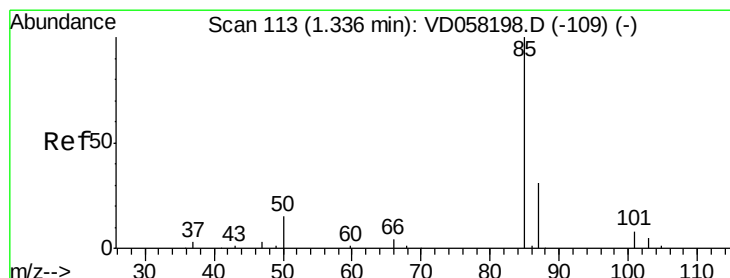
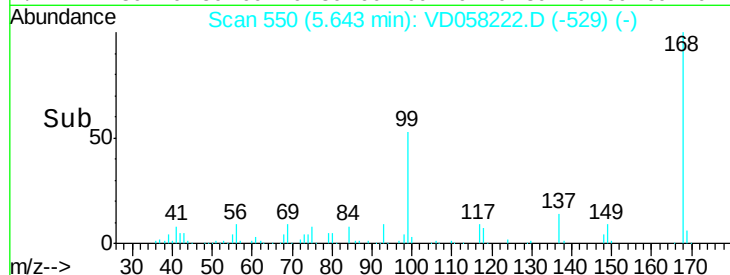
150000

100000

50000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 62.884 ug/l

RT: 1.33 min Scan# 112

Delta R.T. -0.00 min

Lab File: VD058222.D

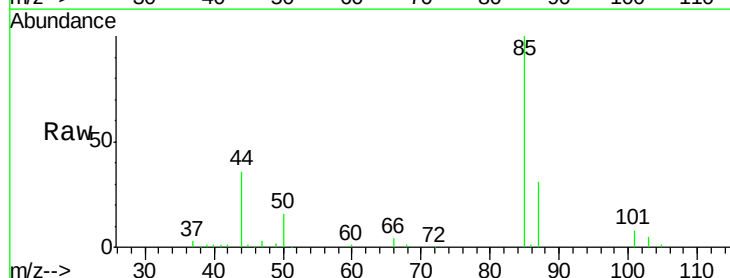
Acq: 20 Jun 2018 21:01

Tgt Ion: 85 Resp: 354607

Ion Ratio Lower Upper

85 100

87 31.0 15.7 47.0



Abundance Ion 84.95 (84.65 to 85.65): VDC

Ion 86.90 (86.60 to 87.60): VDC

1.33

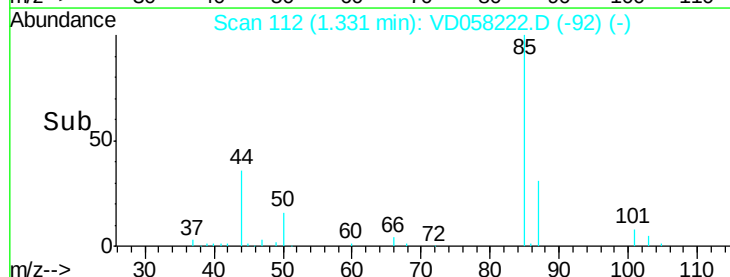
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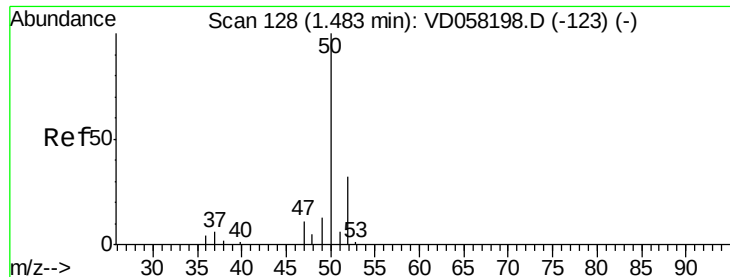
100000

50000

0

Time-->





#3

Chloromethane

Concen: 89.884 ug/l

RT: 1.48 min Scan# 127

Delta R.T. -0.00 min

Lab File: VD058222.D

Acq: 20 Jun 2018 21:01

Instrument :

MSVOA_D

ClientSampleId :

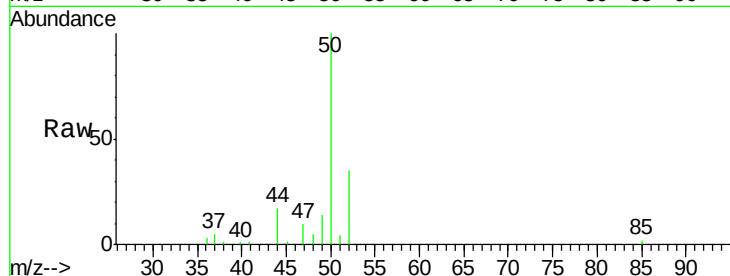
AREA1(S)MS

Tot Ion: 50 Resp: 231377

Ion Ratio Lower Upper

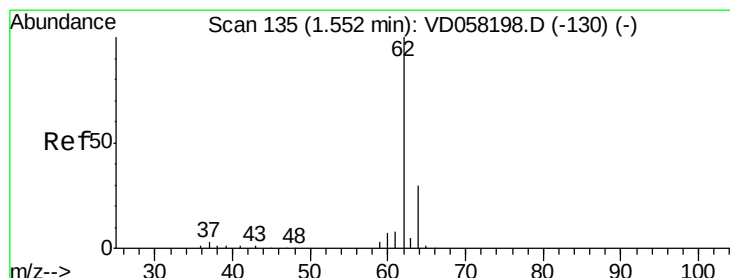
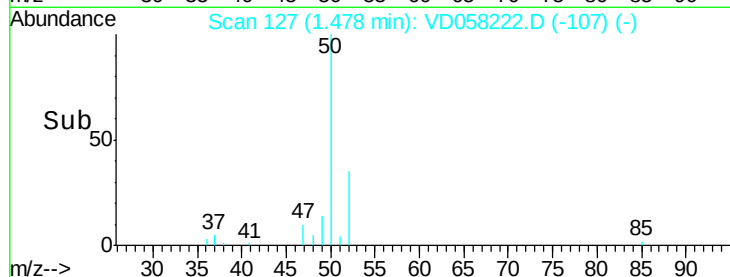
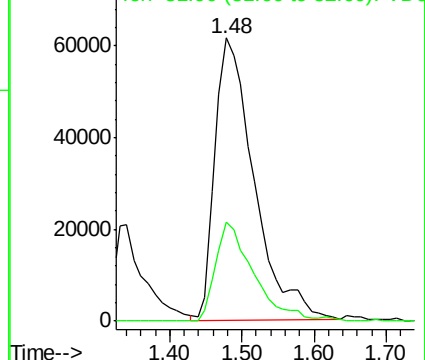
50 100

52 34.9 25.0 37.4



Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC



#4

Vinyl Chloride

Concen: 63.381 ug/l

RT: 1.55 min Scan# 134

Delta R.T. -0.00 min

Lab File: VD058222.D

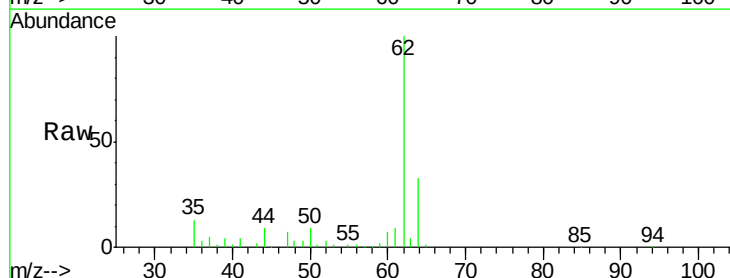
Acq: 20 Jun 2018 21:01

Tgt Ion: 62 Resp: 203737

Ion Ratio Lower Upper

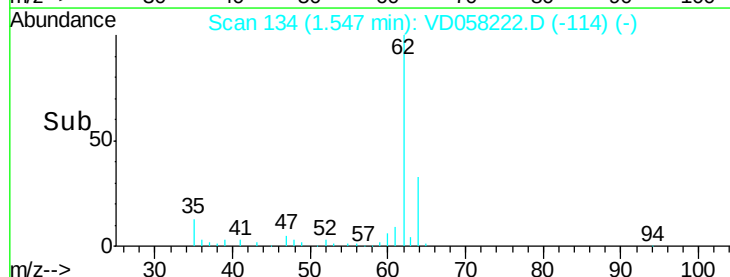
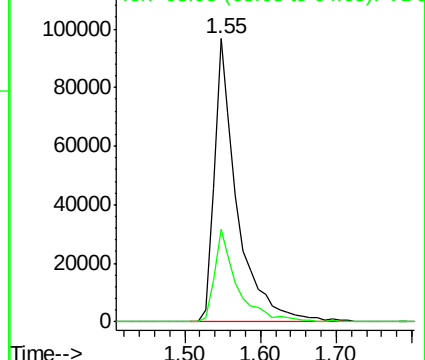
62 100

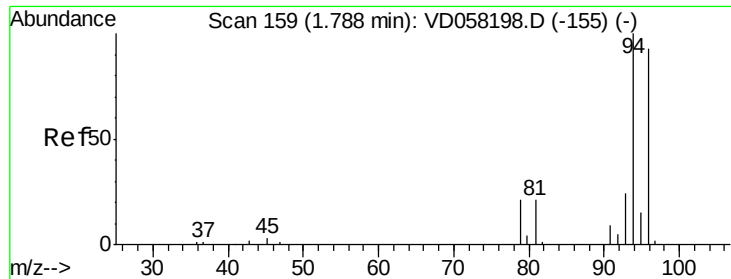
64 32.6 24.4 36.6



Abundance Ion 61.95 (61.65 to 62.65): VDC

Ion 63.95 (63.65 to 64.65): VDC





#5

Bromomethane

Concen: 58.257 ug/l

RT: 1.79 min Scan# 159

Delta R.T. 0.01 min

Lab File: VD058222.D

Acq: 20 Jun 2018 21:01

Instrument :

MSVOA_D

ClientSampleId :

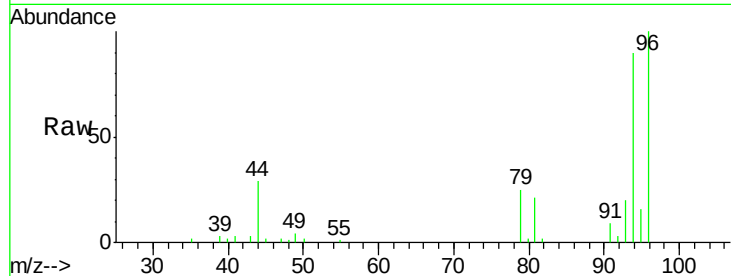
AREA1(S)MS

Tot Ion: 94 Resp: 61005

Ion Ratio Lower Upper

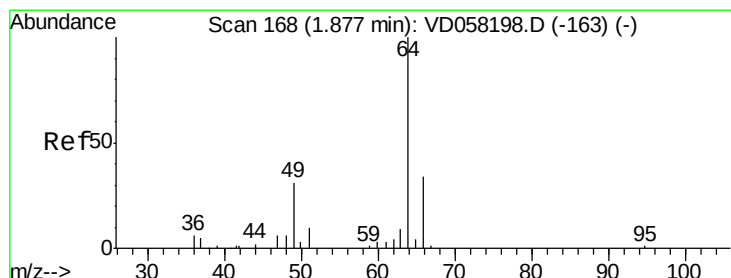
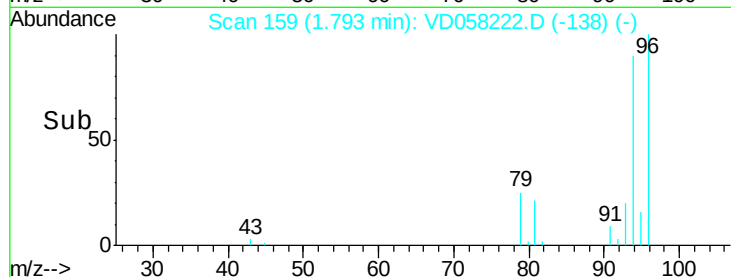
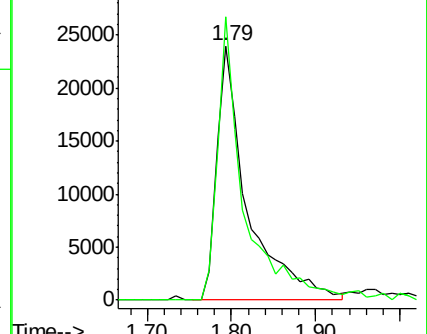
94 100

96 111.3 74.2 111.2#



Abundance Ion 93.90 (93.60 to 94.60): VDC

Ion 95.90 (95.60 to 96.60): VDC



#6

Chloroethane

Concen: 134.996 ug/l

RT: 1.88 min Scan# 168

Delta R.T. 0.01 min

Lab File: VD058222.D

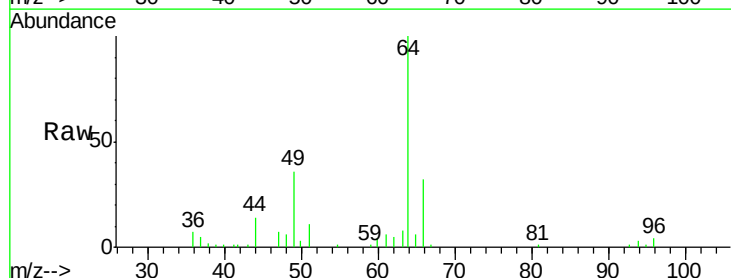
Acq: 20 Jun 2018 21:01

Tgt Ion: 64 Resp: 112676

Ion Ratio Lower Upper

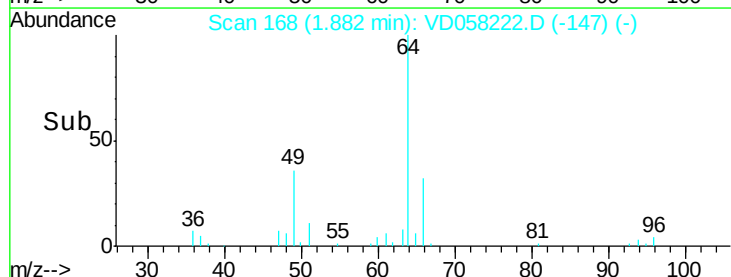
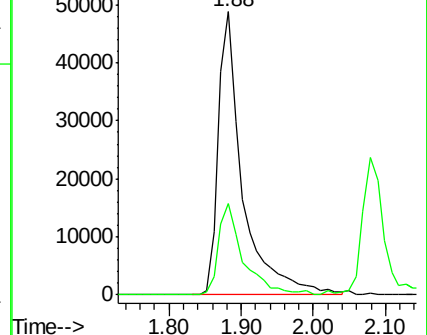
64 100

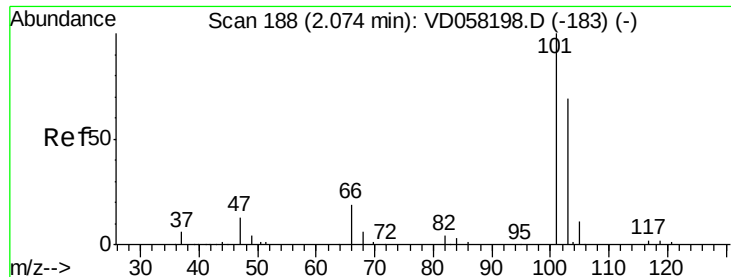
66 32.4 27.3 40.9



Abundance Ion 63.95 (63.65 to 64.65): VDC

Ion 65.90 (65.60 to 66.60): VDC



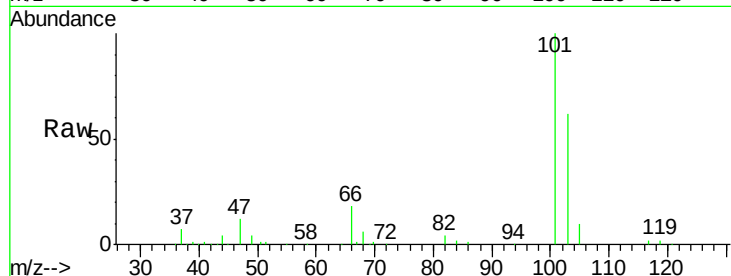


#7

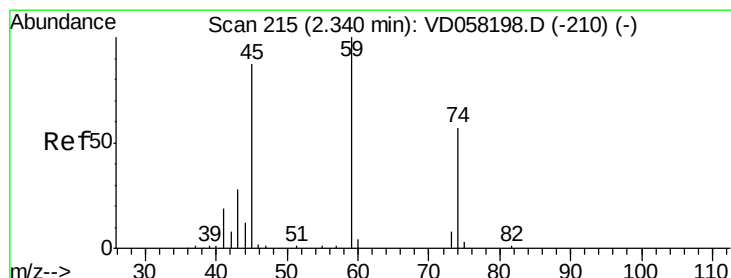
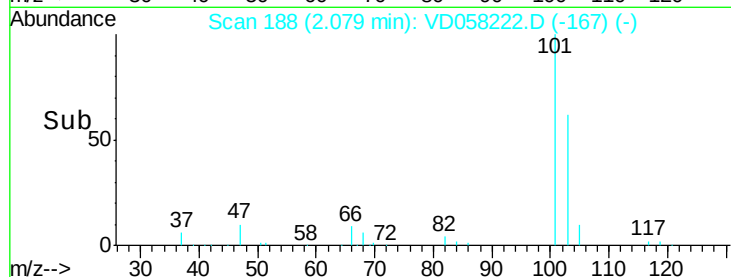
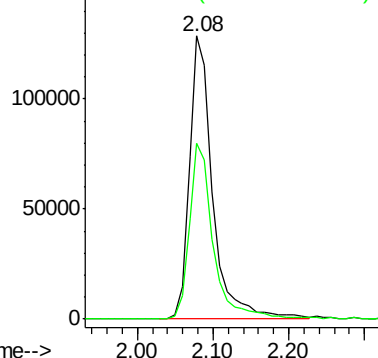
Trichlorofluoromethane
Concen: 62.826 ug/l
RT: 2.08 min Scan# 188
Delta R.T. 0.01 min
Lab File: VD058222.D
Acq: 20 Jun 2018 21:01

Instrument :
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ClientSampleId :
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Tot Ion:101 Resp: 276903
Ion Ratio Lower Upper
101 100
103 62.1 55.1 82.7



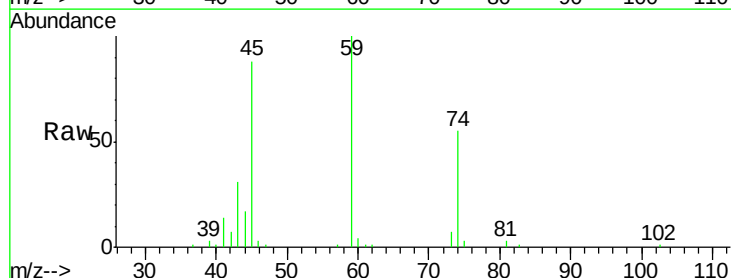
Abundance Ion 100.85 (100.55 to 101.55): V
Ion 102.85 (102.55 to 103.55): V



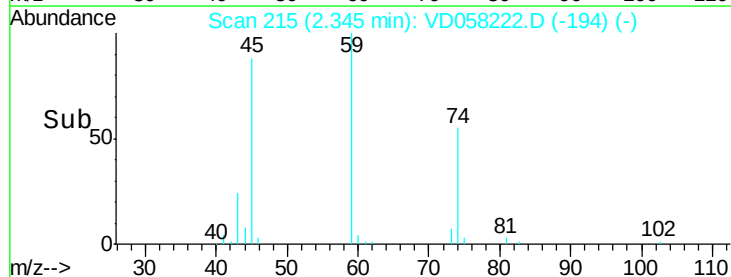
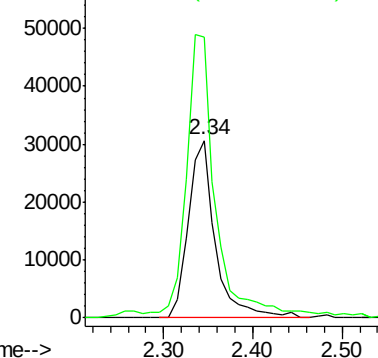
#8

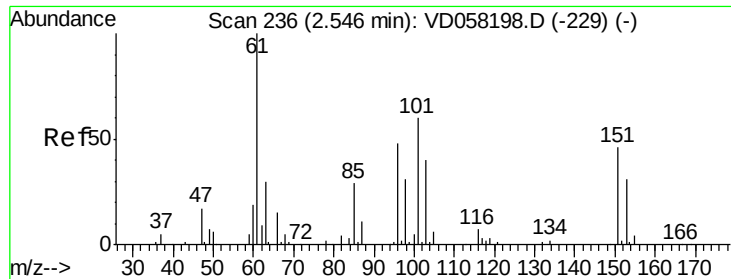
Diethyl Ether
Concen: 69.646 ug/l
RT: 2.34 min Scan# 215
Delta R.T. 0.01 min
Lab File: VD058222.D
Acq: 20 Jun 2018 21:01

Tgt Ion: 74 Resp: 64926
Ion Ratio Lower Upper
74 100
45 158.7 77.5 232.6



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: 55.820 ug/l

RT: 2.55 min Scan# 236

Delta R.T. 0.01 min

Lab File: VD058222.D

Acq: 20 Jun 2018 21:01

Instrument :

MSVOA_D

ClientSampleId :

AREA1(S)MS

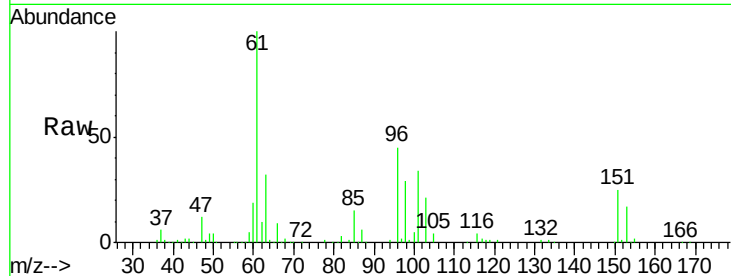
Tot Ion:101 Resp: 156403

Ion Ratio Lower Upper

101 100

85 45.4 39.0 58.4

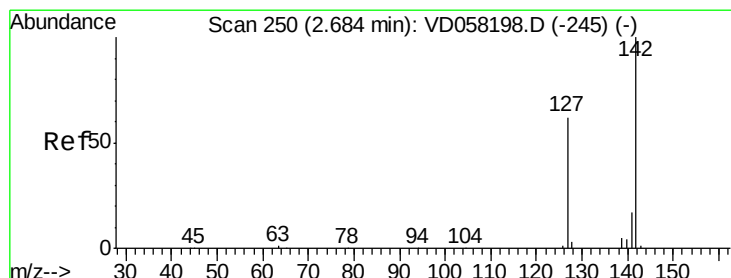
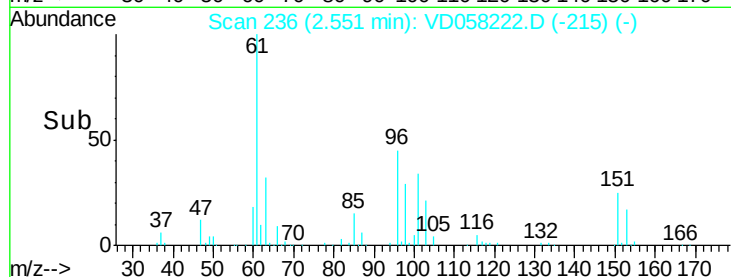
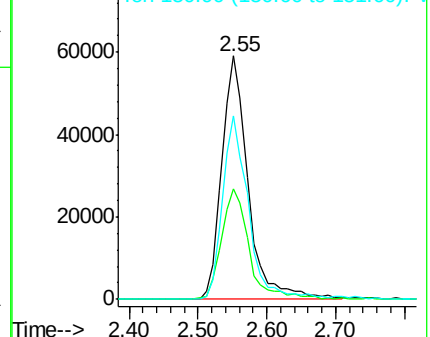
151 75.3 61.8 92.8



Abundance Ion 100.85 (100.55 to 101.55): V

Ion 84.95 (84.65 to 85.65): V

Ion 150.90 (150.60 to 151.60): V



#10

Methyl Iodide

Concen: 41.124 ug/l

RT: 2.69 min Scan# 250

Delta R.T. 0.01 min

Lab File: VD058222.D

Acq: 20 Jun 2018 21:01

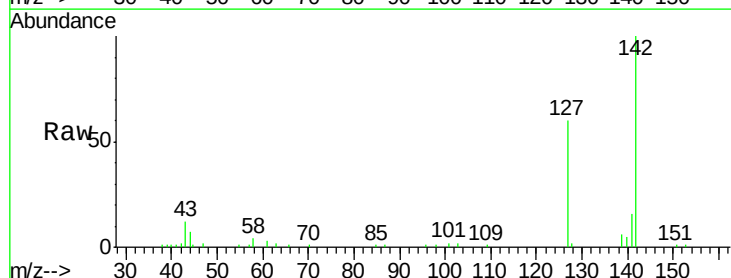
Tgt Ion:142 Resp: 131066

Ion Ratio Lower Upper

142 100

127 60.0 49.4 74.0

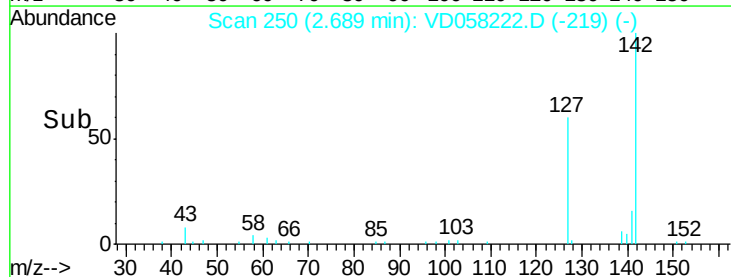
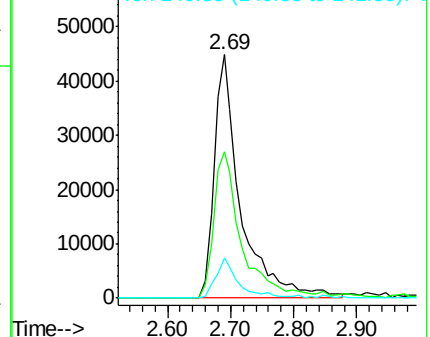
141 16.2 13.5 20.3

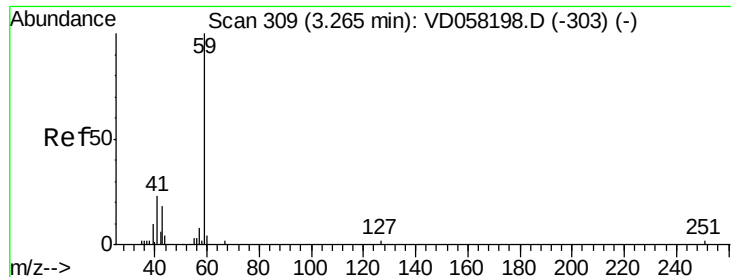


Abundance Ion 141.85 (141.55 to 142.55): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.85 (140.55 to 141.55): V



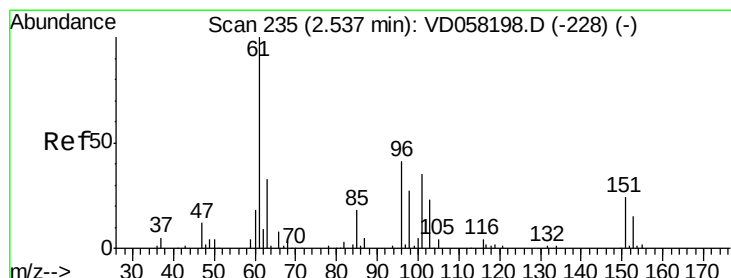
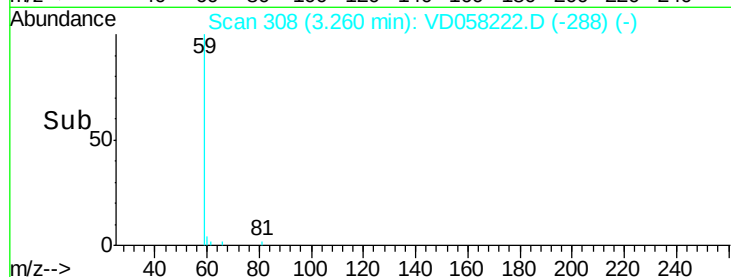
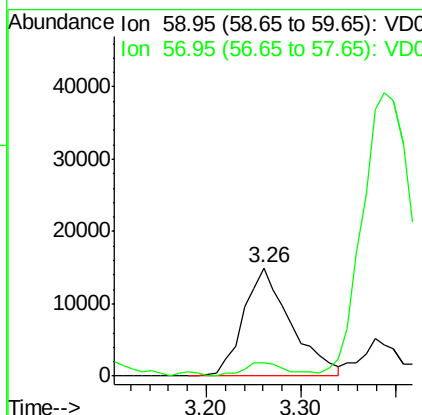
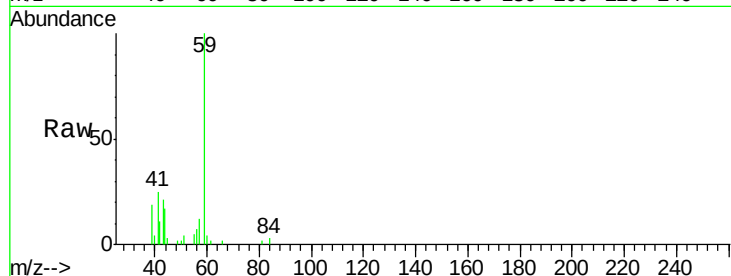


#11

Tert butyl alcohol
Concen: 253.497 ug/l
RT: 3.26 min Scan# 308
Delta R.T. -0.00 min
Lab File: VD058222.D
Acq: 20 Jun 2018 21:01

Instrument :
MSVOA_D
ClientSampleId :
AREA1(S)MS

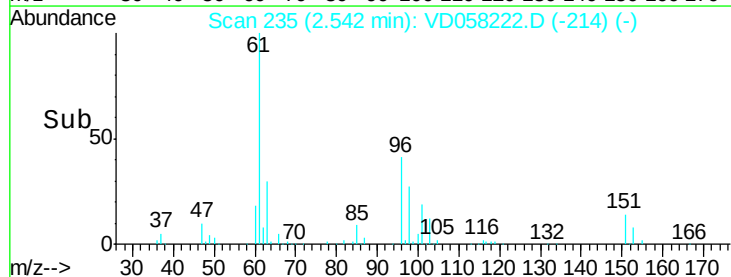
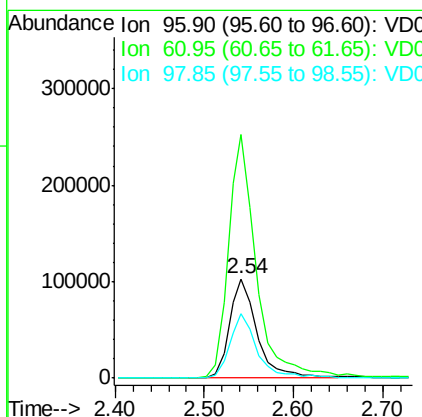
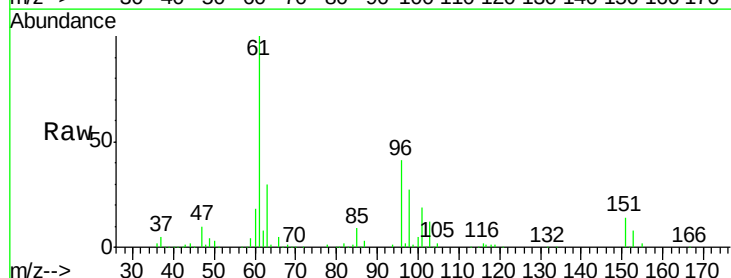
Tot Ion: 59 Resp: 51820
Ion Ratio Lower Upper
59 100
57 12.0 6.2 9.4#

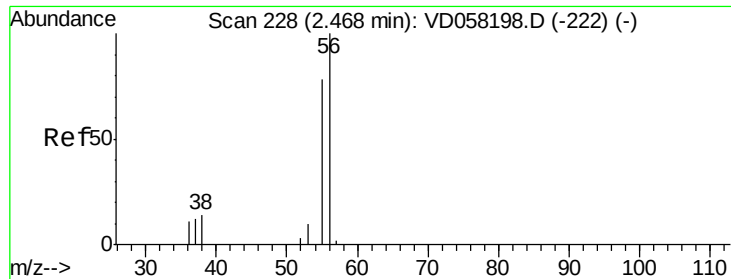


#12

1,1-Dichloroethene
Concen: 106.665 ug/l
RT: 2.54 min Scan# 235
Delta R.T. 0.01 min
Lab File: VD058222.D
Acq: 20 Jun 2018 21:01

Tgt Ion: 96 Resp: 224864
Ion Ratio Lower Upper
96 100
61 244.7 193.9 290.9
98 65.2 51.7 77.5

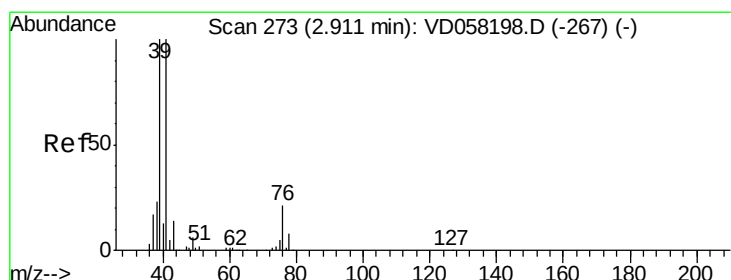
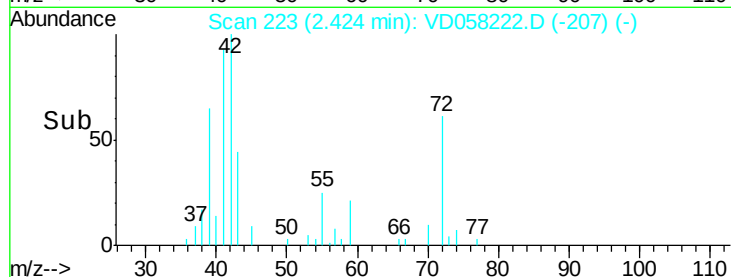
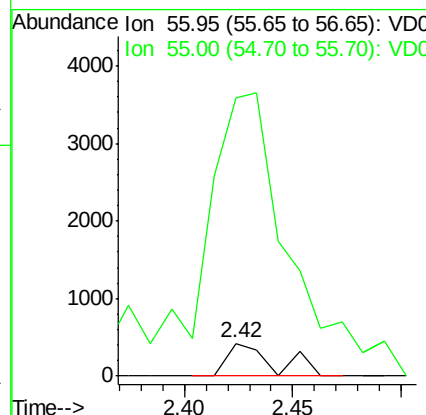
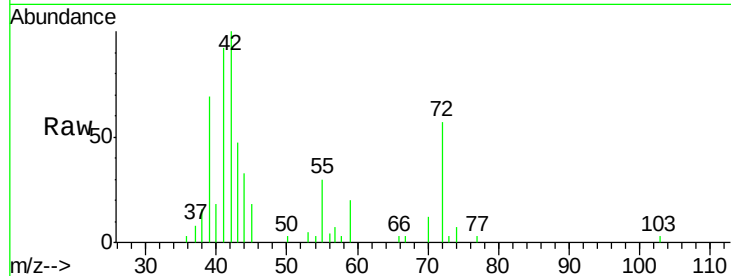




#13
 Acrolein
 Concen: 5.450 ug/l
 RT: 2.42 min Scan# 223
 Delta R.T. -0.04 min
 Lab File: VD058222.D
 Acq: 20 Jun 2018 21:01

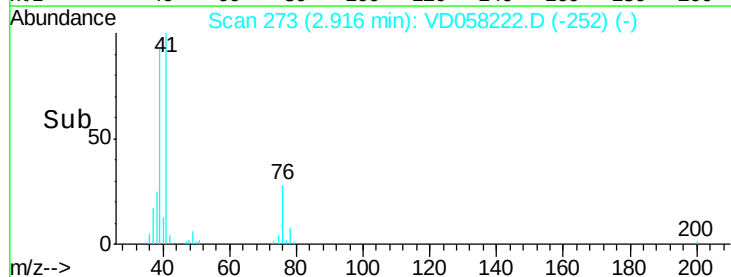
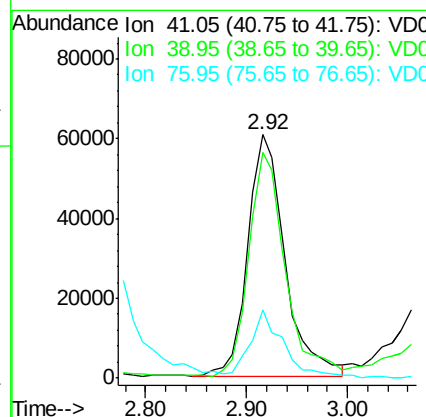
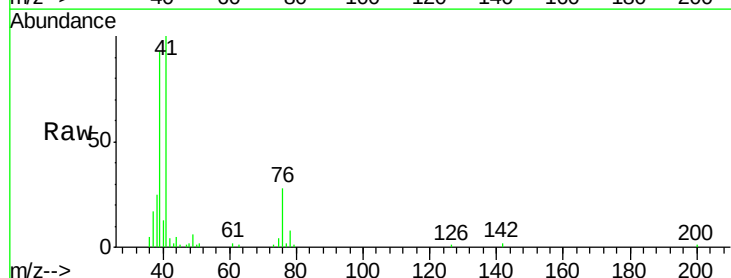
Instrument :
 MSVOA_D
 ClientSampleId :
 AREA1(S)MS

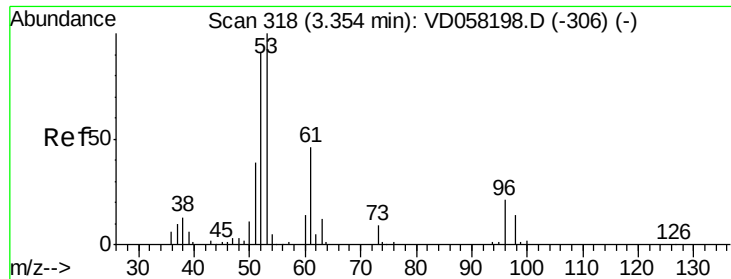
Tot Ion: 56 Resp: 636
 Ion Ratio Lower Upper
 56 100
 55 854.7 62.1 93.1#



#14
 Allyl chloride
 Concen: 31.686 ug/l
 RT: 2.92 min Scan# 273
 Delta R.T. 0.00 min
 Lab File: VD058222.D
 Acq: 20 Jun 2018 21:01

Tgt Ion: 41 Resp: 155468
 Ion Ratio Lower Upper
 41 100
 39 93.0 80.1 120.1
 76 27.9 19.4 29.2

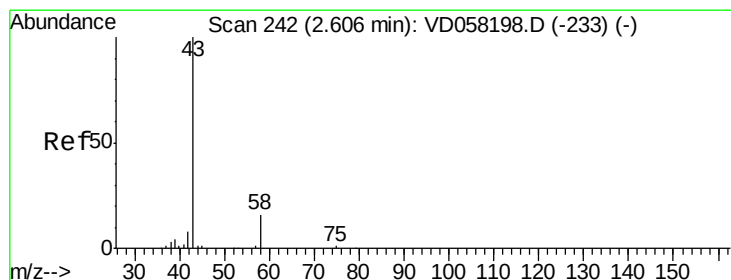
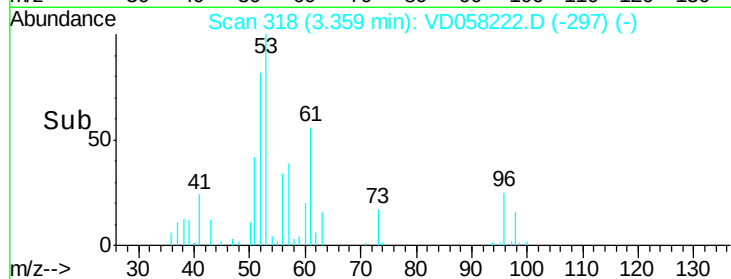
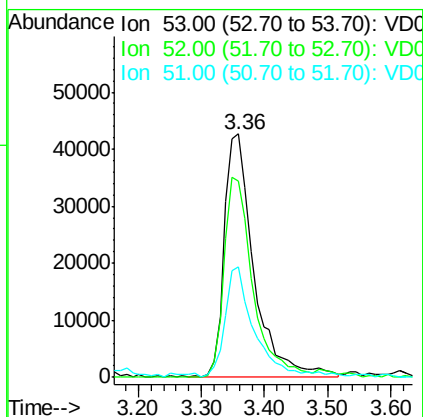
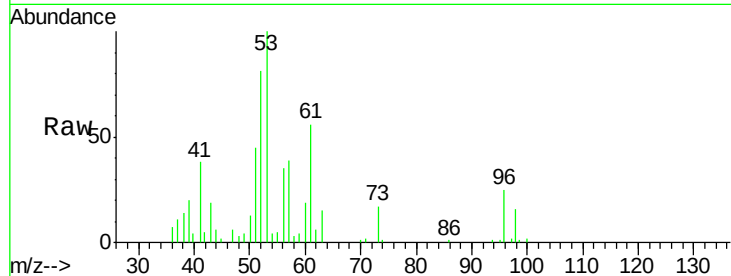




#15
 Acrylonitrile
 Concen: 257.636 ug/l
 RT: 3.36 min Scan# 318
 Delta R.T. 0.01 min
 Lab File: VD058222.D
 Acq: 20 Jun 2018 21:01

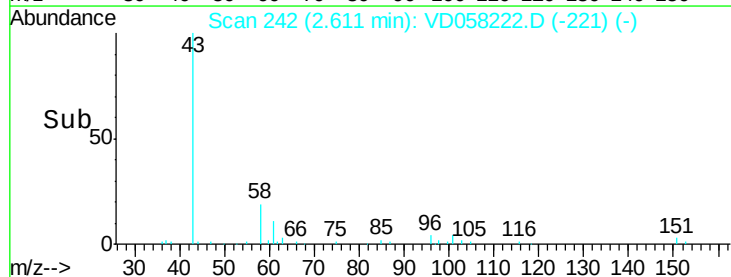
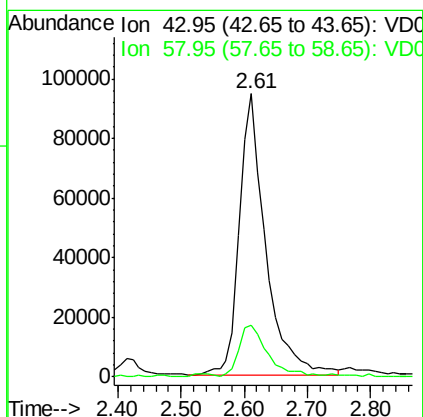
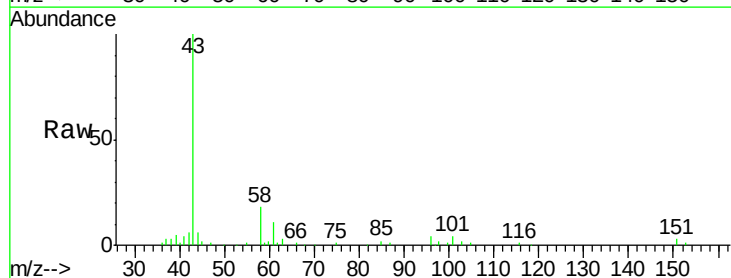
Instrument :
 MSVOA_D
 ClientSampleId :
 AREA1(S)MS

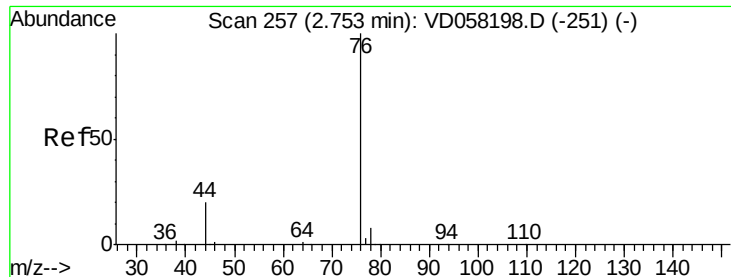
Tot Ion: 53 Resp: 139646
 Ion Ratio Lower Upper
 53 100
 52 80.8 72.6 108.8
 51 45.3 32.2 48.4



#16
 Acetone
 Concen: 321.134 ug/l
 RT: 2.61 min Scan# 242
 Delta R.T. 0.01 min
 Lab File: VD058222.D
 Acq: 20 Jun 2018 21:01

Tgt Ion: 43 Resp: 272200
 Ion Ratio Lower Upper
 43 100
 58 18.3 12.7 19.1





#17

Carbon Disulfide

Concen: 30.640 ug/l

RT: 2.75 min Scan# 256

Delta R.T. -0.00 min

Lab File: VD058222.D

Acq: 20 Jun 2018 21:01

Instrument :

MSVOA_D

ClientSampleId :

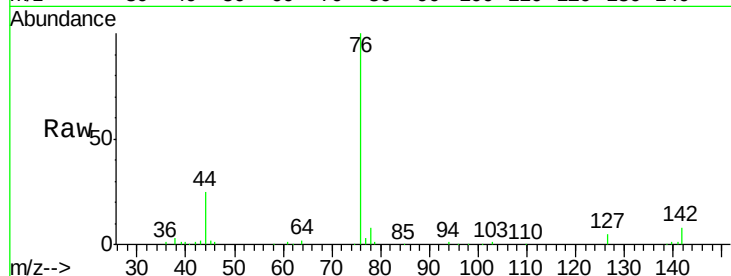
AREA1(S)MS

Tot Ion: 76 Resp: 219763

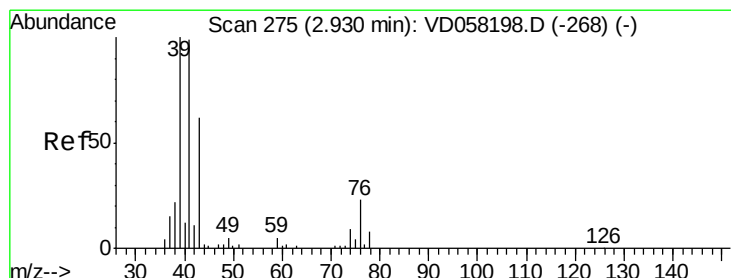
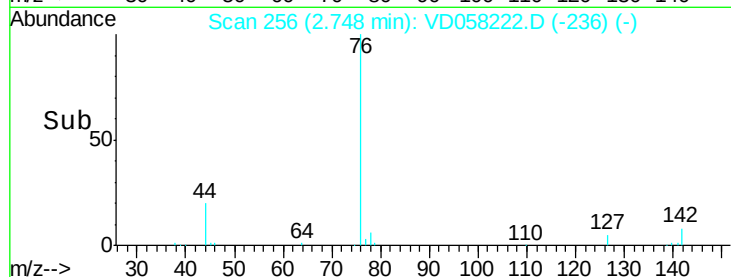
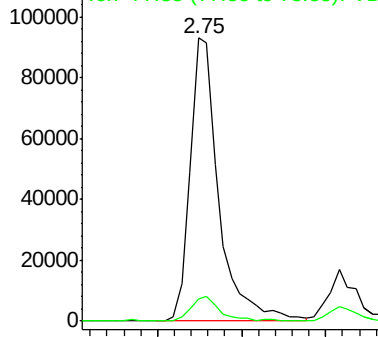
Ion Ratio Lower Upper

76 100

78 7.9 6.8 10.2



Abundance Ion 75.85 (75.55 to 76.55): VDC
Ion 77.85 (77.55 to 78.55): VDC



#18

Methyl Acetate

Concen: 60.486 ug/l

RT: 3.08 min Scan# 290

Delta R.T. 0.15 min

Lab File: VD058222.D

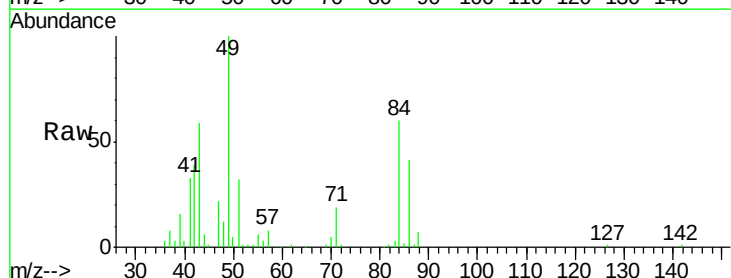
Acq: 20 Jun 2018 21:01

Tgt Ion: 43 Resp: 109340

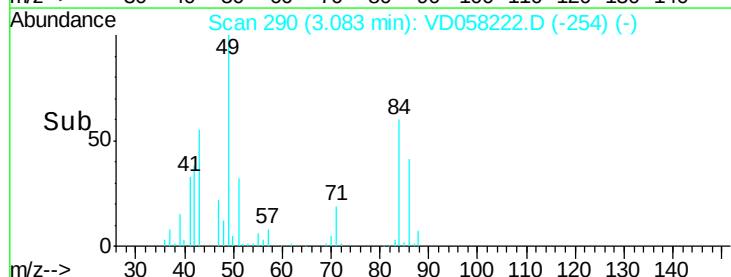
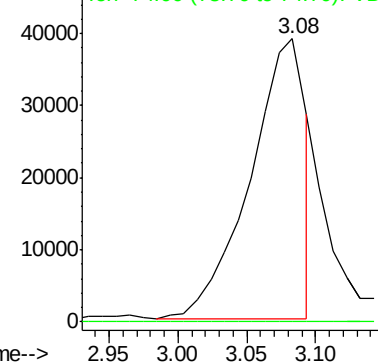
Ion Ratio Lower Upper

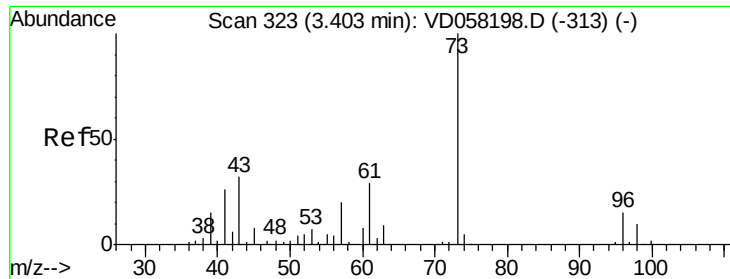
43 100

74 0.0 11.7 17.5#



Abundance Ion 42.95 (42.65 to 43.65): VDC
Ion 74.00 (73.70 to 74.70): VDC

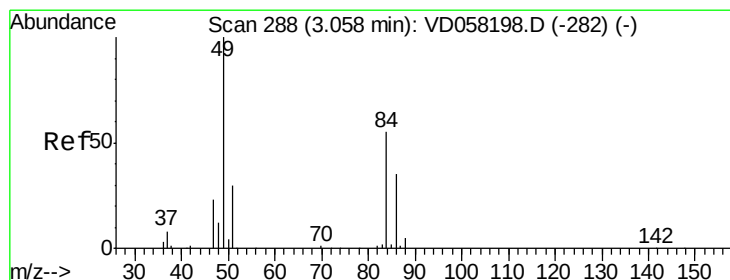
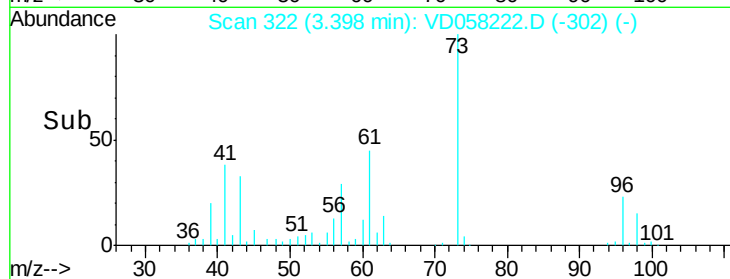
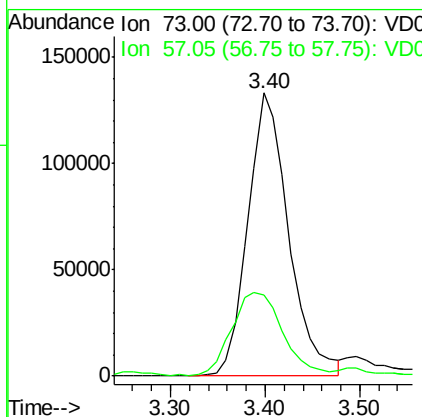
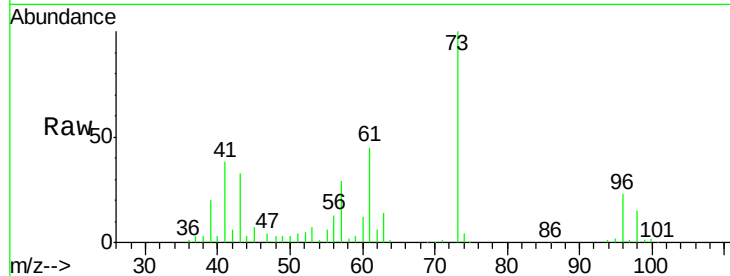




#19
Methyl tert-butyl Ether
Concen: 71.487 ug/l
RT: 3.40 min Scan# 322
Delta R.T. -0.00 min
Lab File: VD058222.D
Acq: 20 Jun 2018 21:01

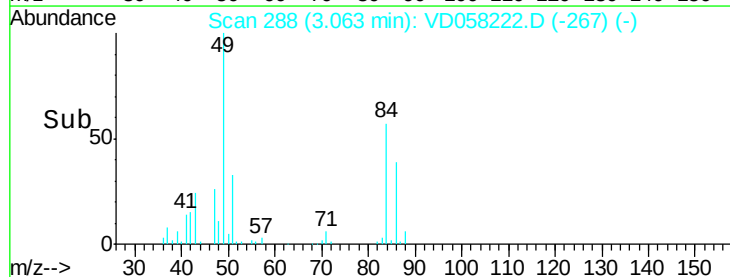
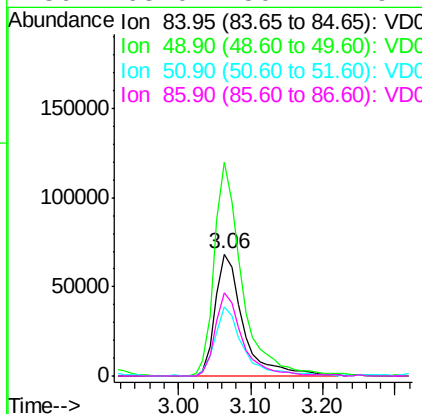
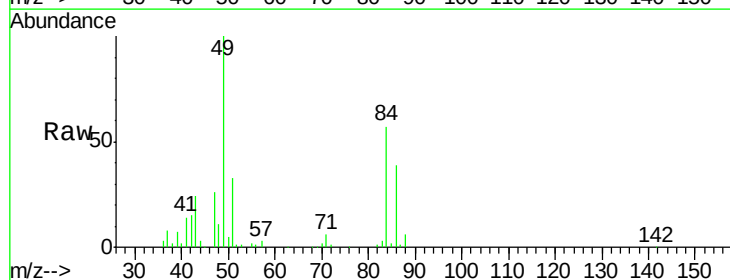
Instrument :
MSVOA_D
ClientSampleId :
AREA1(S)MS

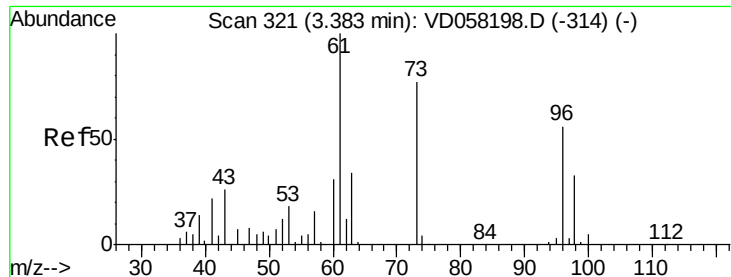
Tot Ion: 73 Resp: 399716
Ion Ratio Lower Upper
73 100
57 28.6 16.6 24.8#



#20
Methylene Chloride
Concen: 85.998 ug/l
RT: 3.06 min Scan# 288
Delta R.T. 0.01 min
Lab File: VD058222.D
Acq: 20 Jun 2018 21:01

Tgt Ion: 84 Resp: 182704
Ion Ratio Lower Upper
84 100
49 175.0 145.0 217.6
51 57.0 42.9 64.3
86 68.0 50.1 75.1





#21

trans-1,2-Dichloroethene

Concen: 53.491 ug/l

RT: 3.39 min Scan# 321

Delta R.T. 0.01 min

Lab File: VD058222.D

Acq: 20 Jun 2018 21:01

Instrument :

MSVOA_D

ClientSampleId :

AREA1(S)MS

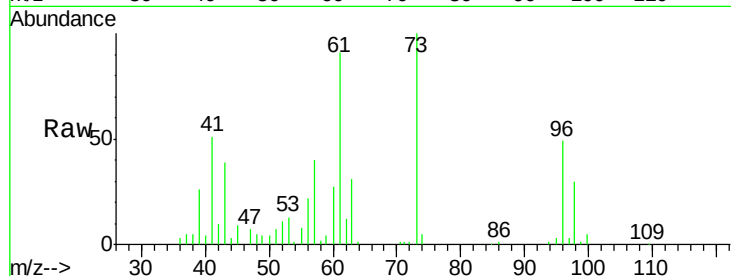
Tot Ion: 96 Resp: 123243

Ion Ratio Lower Upper

96 100

61 183.4 143.8 215.6

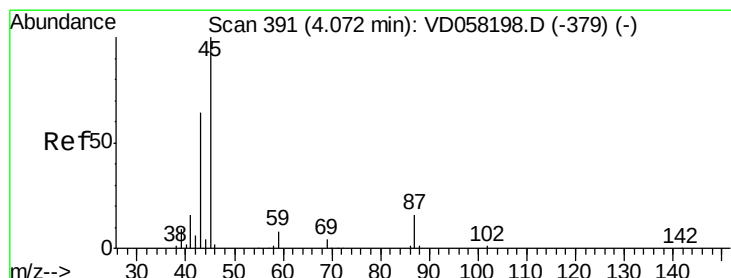
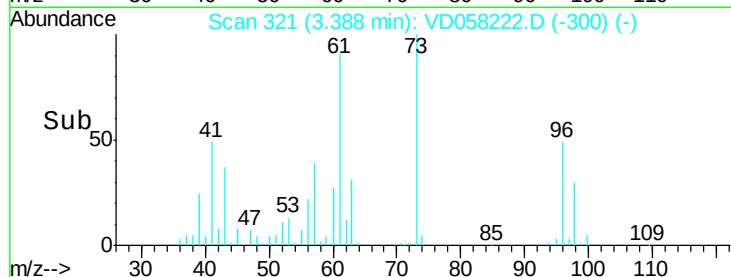
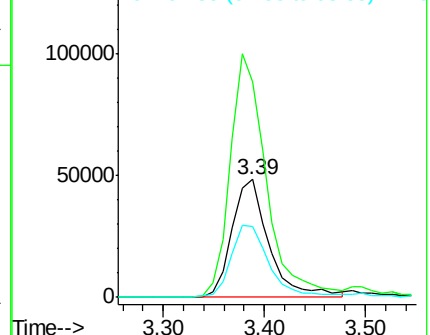
98 59.7 48.0 72.0



Abundance Ion 95.90 (95.60 to 96.60): VDC

Ion 60.95 (60.65 to 61.65): VDC

Ion 97.85 (97.55 to 98.55): VDC



#22

Diisopropyl ether

Concen: 77.408 ug/l

RT: 4.07 min Scan# 390

Delta R.T. -0.00 min

Lab File: VD058222.D

Acq: 20 Jun 2018 21:01

Tgt Ion: 45 Resp: 1508482

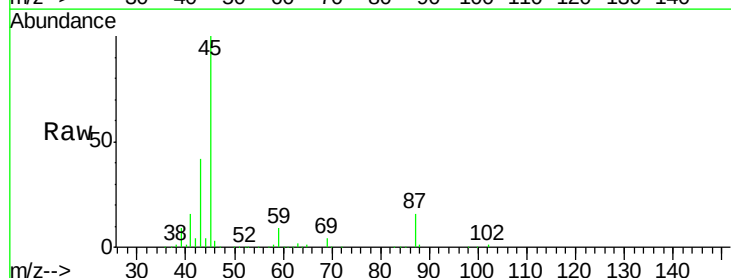
Ion Ratio Lower Upper

45 100

43 41.9 51.4 77.0#

87 16.1 13.0 19.4

59 8.9 6.9 10.3

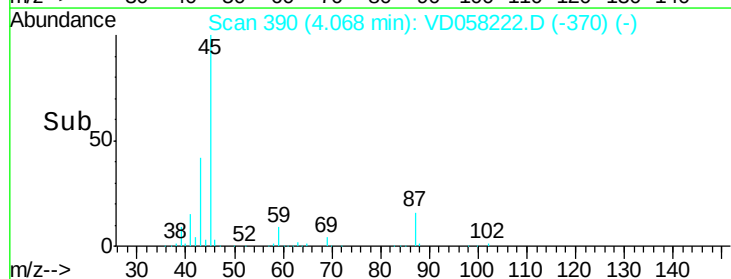
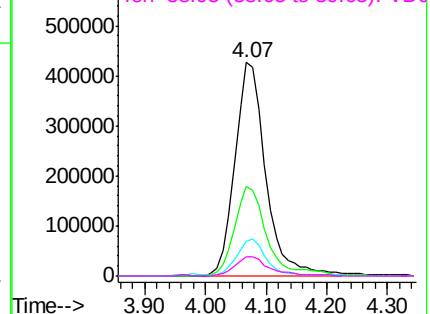


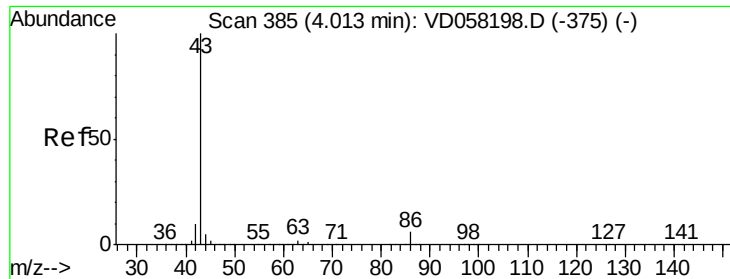
Abundance Ion 45.05 (44.75 to 45.75): VDC

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: 61.368 ug/l

RT: 4.07 min Scan# 390

Delta R.T. 0.05 min

Lab File: VD058222.D

Acq: 20 Jun 2018 21:01

Instrument :

MSVOA_D

ClientSampleId :

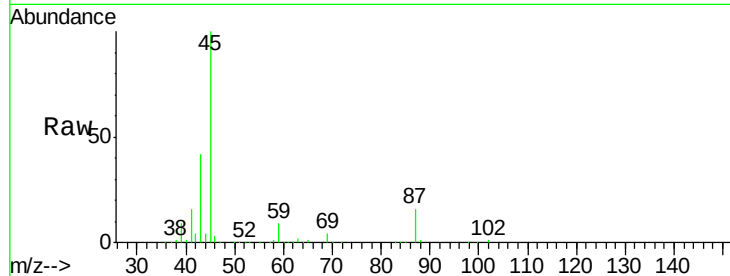
AREA1(S)MS

Tot Ion: 43 Resp: 641067

Ion Ratio Lower Upper

43 100

86 0.0 5.0 7.4#



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 86.00 (85.70 to 86.70): VDC

200000

150000

100000

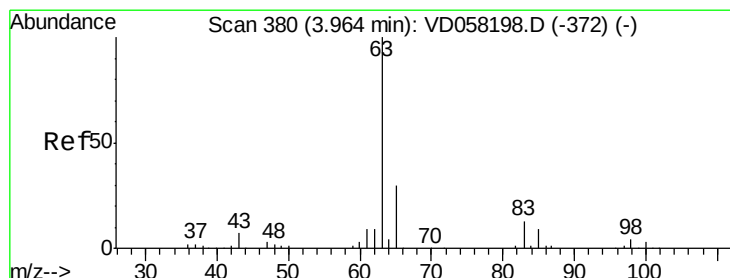
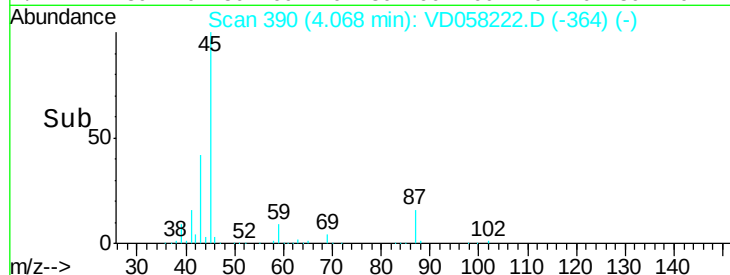
50000

0

Time-->

3.90 4.00 4.10 4.20

4.07



#24

1,1-Dichloroethane

Concen: 80.933 ug/l

RT: 3.97 min Scan# 380

Delta R.T. 0.01 min

Lab File: VD058222.D

Acq: 20 Jun 2018 21:01

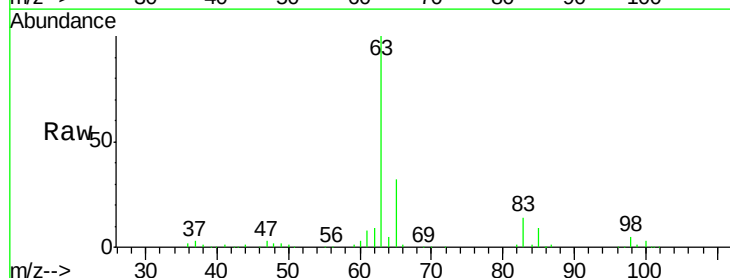
Tgt Ion: 63 Resp: 849687

Ion Ratio Lower Upper

63 100

98 4.9 1.9 5.7

100 3.3 1.3 3.9



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

300000

200000

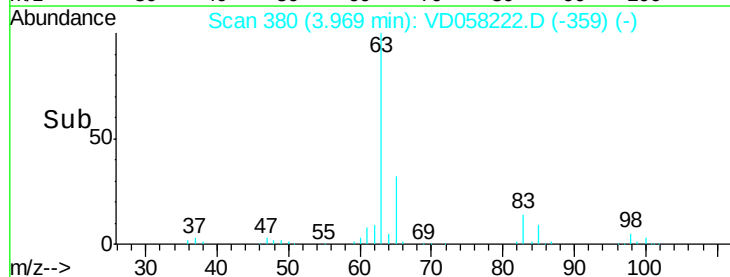
100000

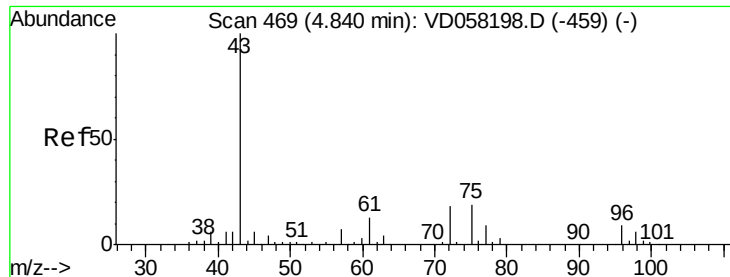
0

Time-->

3.80 3.90 4.00 4.10 4.20

3.97





#25

2-Butanone

Concen: 292.088 ug/l

RT: 4.84 min Scan# 468

Delta R.T. -0.00 min

Lab File: VD058222.D

Acq: 20 Jun 2018 21:01

Instrument :

MSVOA_D

ClientSampleId :

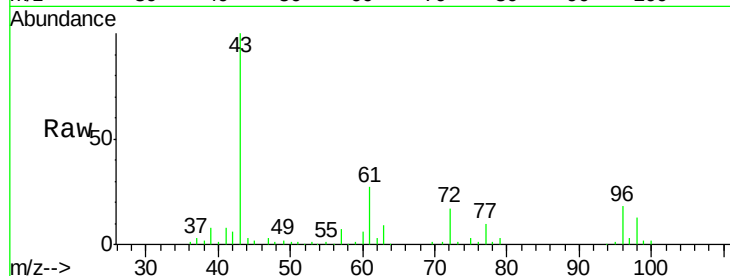
AREA1(S)MS

Tot Ion: 43 Resp: 539607

Ion Ratio Lower Upper

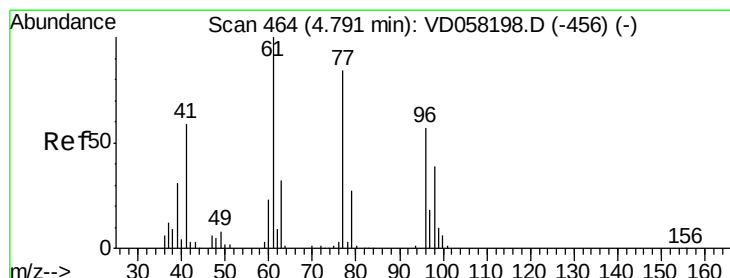
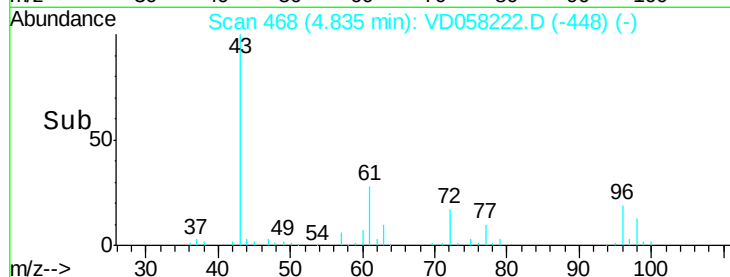
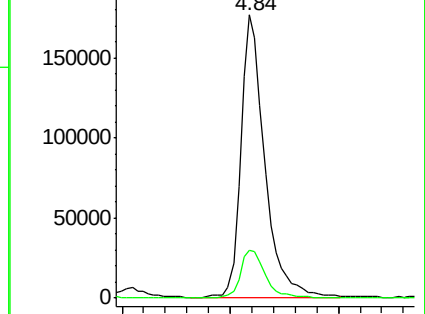
43 100

72 16.7 14.1 21.1



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 72.00 (71.70 to 72.70): VDC



#26

2,2-Dichloropropane

Concen: 27.633 ug/l

RT: 4.80 min Scan# 464

Delta R.T. 0.01 min

Lab File: VD058222.D

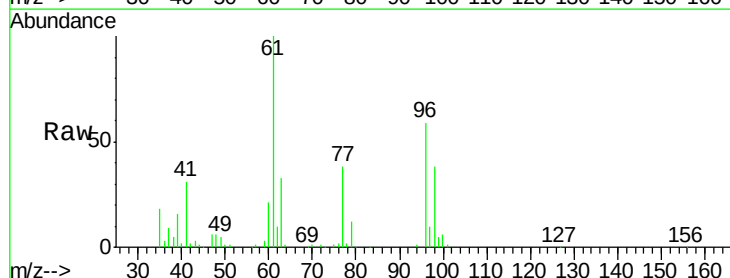
Acq: 20 Jun 2018 21:01

Tgt Ion: 77 Resp: 242916

Ion Ratio Lower Upper

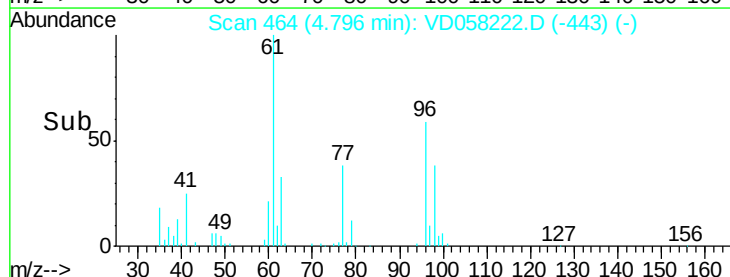
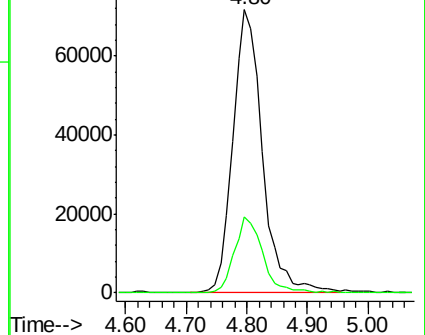
77 100

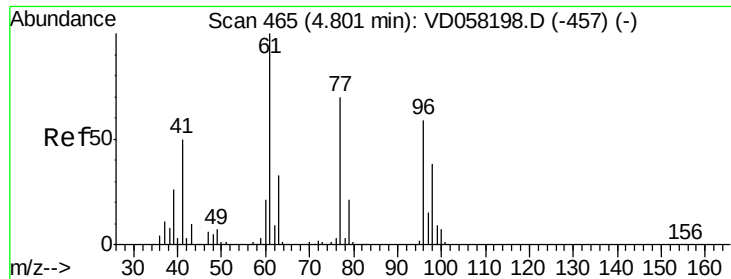
97 27.1 10.5 31.6



Abundance Ion 76.95 (76.65 to 77.65): VDC

Ion 96.85 (96.55 to 97.55): VDC



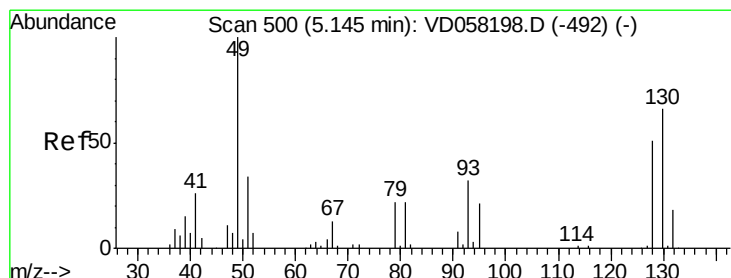
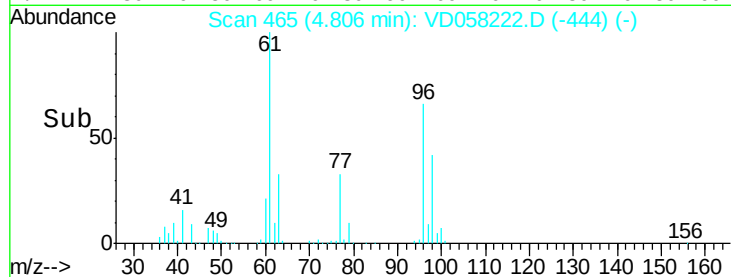
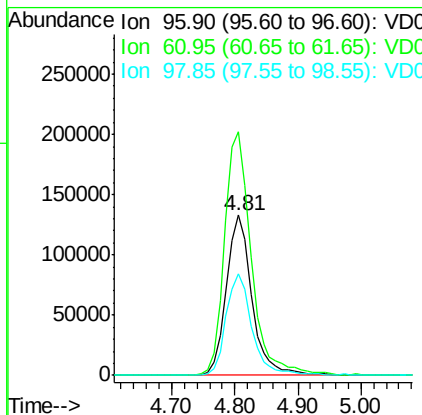
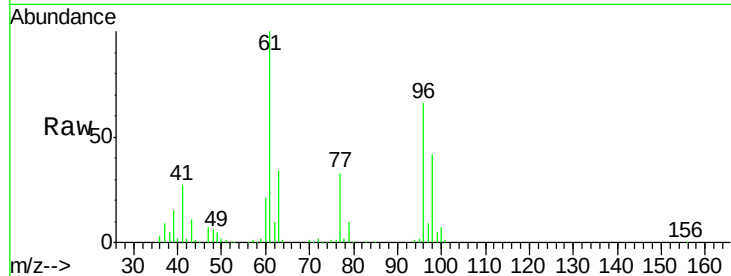


#27

cis-1,2-Dichloroethene
 Concen: 64.861 ug/l
 RT: 4.81 min Scan# 465
 Delta R.T. 0.01 min
 Lab File: VD058222.D
 Acq: 20 Jun 2018 21:01

Instrument :
 MSVOA_D
 ClientSampleId :
 AREA1(S)MS

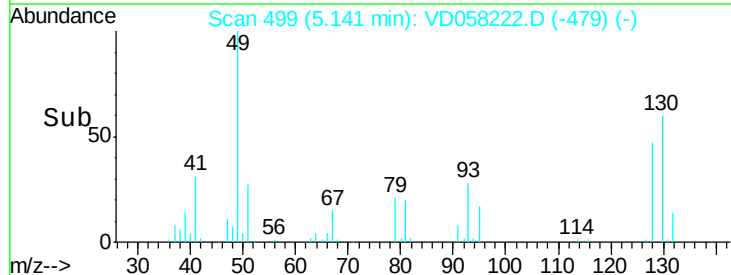
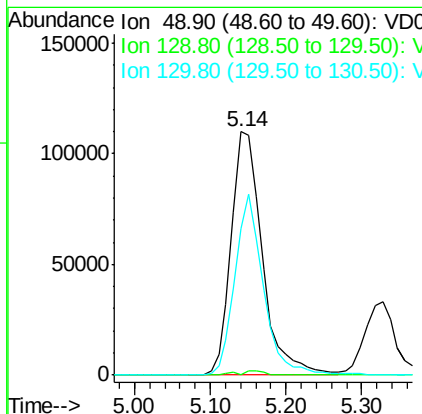
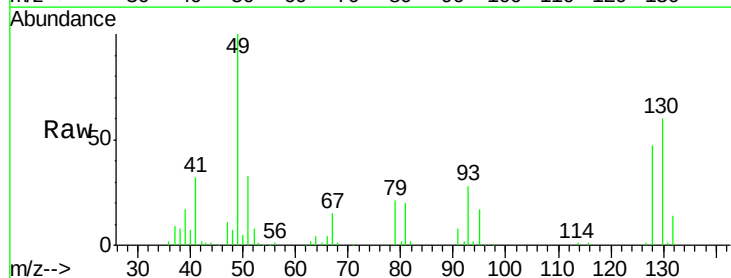
Tot Ion	Ratio	Lower	Upper
96	100		
61	152.2	0.0	338.6
98	63.4	0.0	130.2

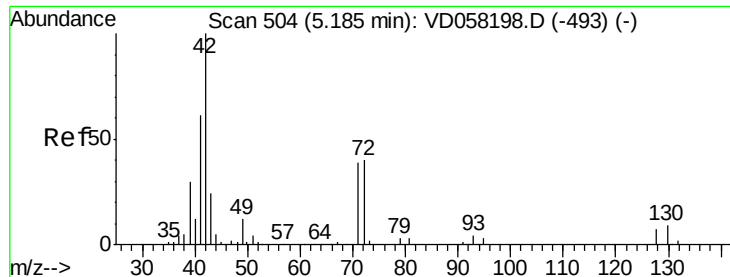


#28

Bromochloromethane
 Concen: 66.594 ug/l
 RT: 5.14 min Scan# 499
 Delta R.T. -0.00 min
 Lab File: VD058222.D
 Acq: 20 Jun 2018 21:01

Tgt Ion	Ratio	Lower	Upper
49	100		
129	0.0	0.0	0.0
130	60.1	52.6	79.0

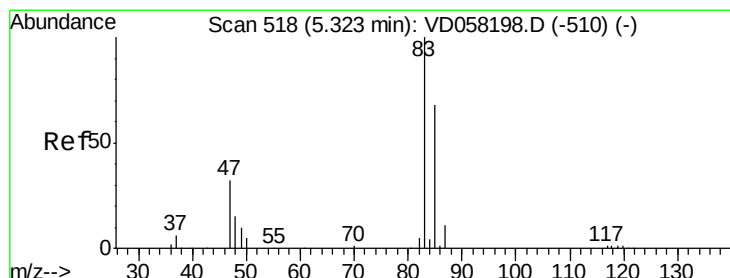
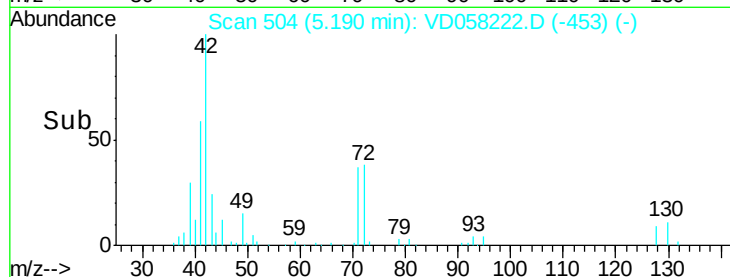
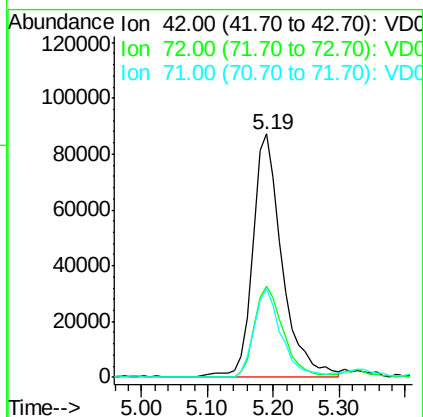
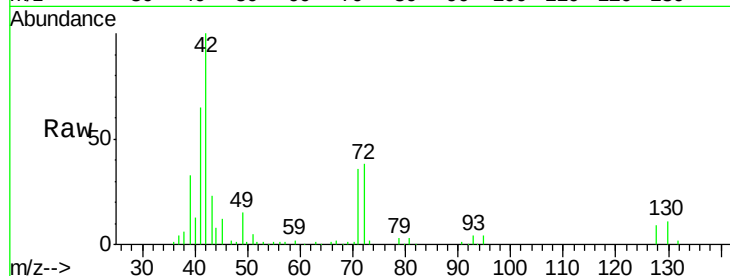




#29
Tetrahydrofuran
Concen: 277.395 ug/l
RT: 5.19 min Scan# 504
Delta R.T. 0.01 min
Lab File: VD058222.D
Acq: 20 Jun 2018 21:01

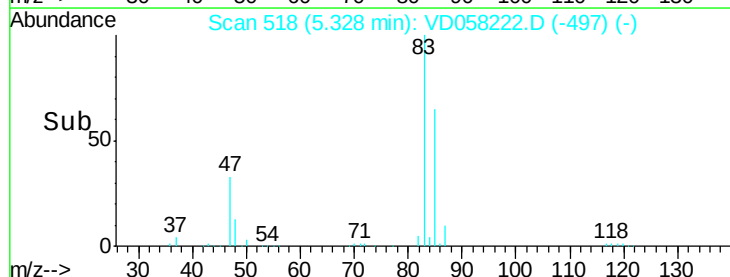
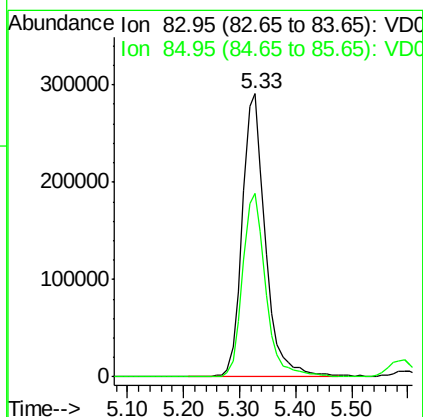
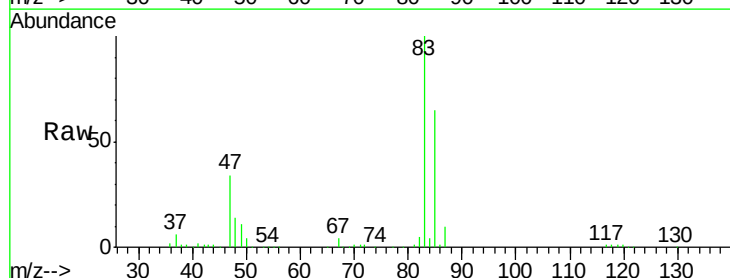
Instrument :
MSVOA_D
ClientSampleId :
AREA1(S)MS

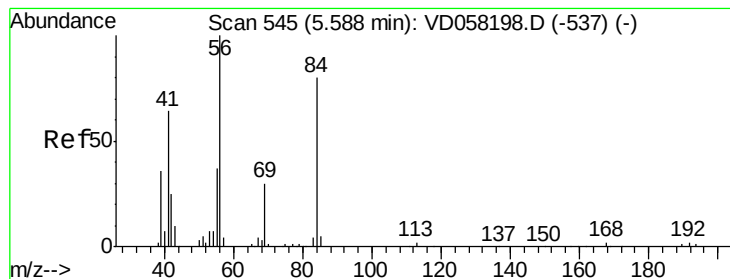
Tot Ion: 42 Resp: 272773
Ion Ratio Lower Upper
42 100
72 37.1 30.2 45.2
71 34.4 30.1 45.1



#30
Chloroform
Concen: 75.023 ug/l
RT: 5.33 min Scan# 518
Delta R.T. 0.01 min
Lab File: VD058222.D
Acq: 20 Jun 2018 21:01

Tgt Ion: 83 Resp: 831522
Ion Ratio Lower Upper
83 100
85 64.9 54.8 82.2





#31

Cyclohexane

Concen: 59.626 ug/l

RT: 5.59 min Scan# 545

Delta R.T. 0.01 min

Lab File: VD058222.D

Acq: 20 Jun 2018 21:01

Instrument :

MSVOA_D

ClientSampleId :

AREA1(S)MS

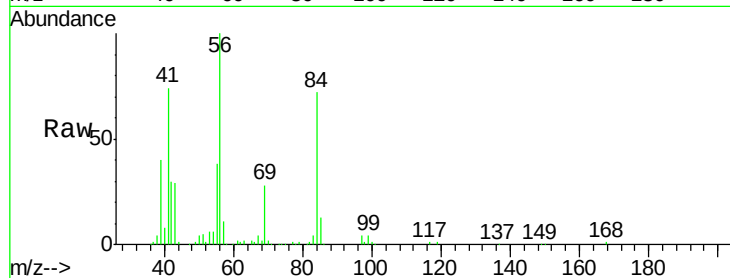
Tot Ion: 56 Resp: 446830

Ion Ratio Lower Upper

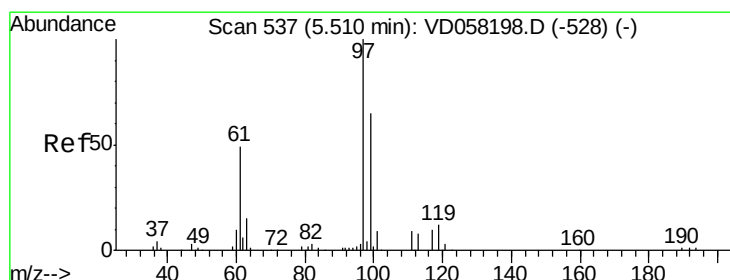
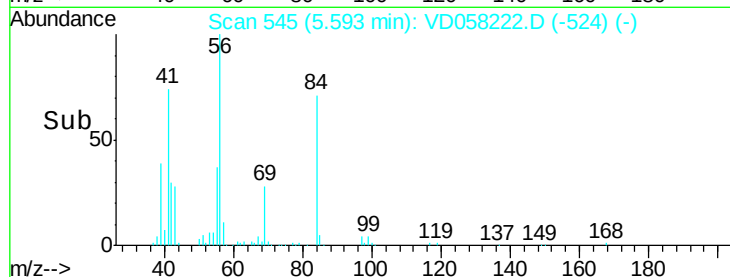
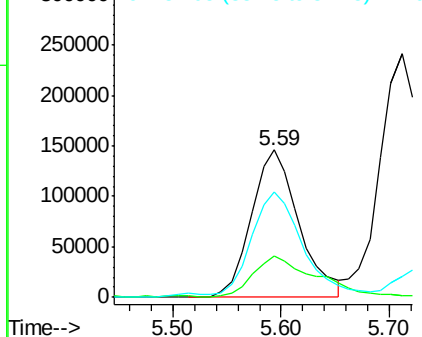
56 100

69 27.8 23.6 35.4

84 71.6 65.2 97.8



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: 67.418 ug/l

RT: 5.51 min Scan# 537

Delta R.T. 0.01 min

Lab File: VD058222.D

Acq: 20 Jun 2018 21:01

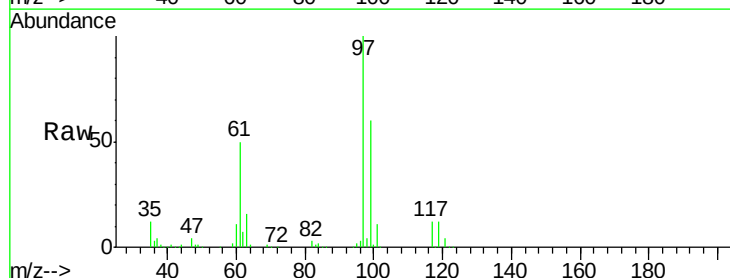
Tgt Ion: 97 Resp: 617379

Ion Ratio Lower Upper

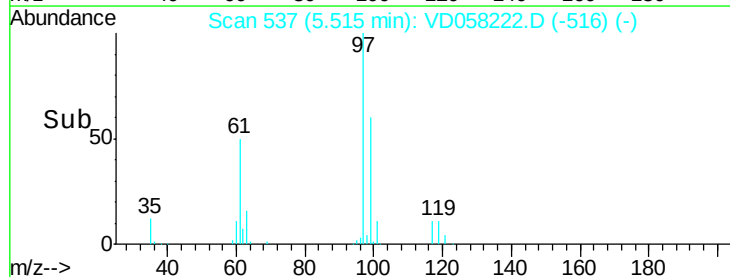
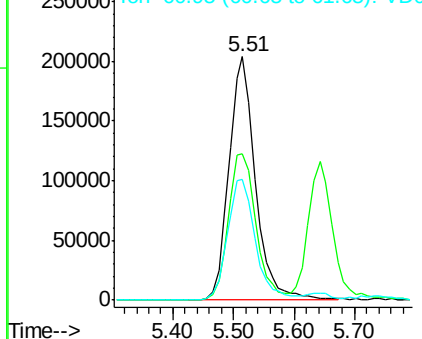
97 100

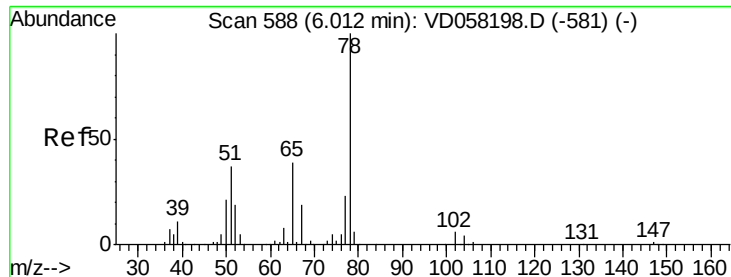
99 60.0 52.2 78.4

61 49.8 39.0 58.4



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: 67.418 ug/l

RT: 6.02 min Scan# 588

Delta R.T. 0.01 min

Lab File: VD058222.D

Acq: 20 Jun 2018 21:01

Instrument :

MSVOA_D

ClientSampleId :

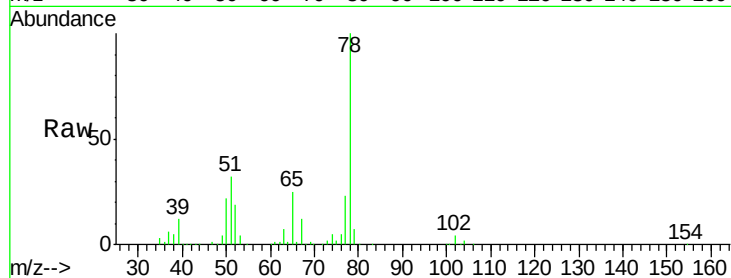
AREA1(S)MS

Tot Ion: 65 Resp: 324026

Ion Ratio Lower Upper

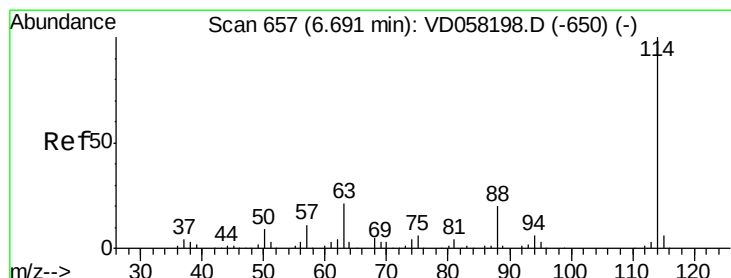
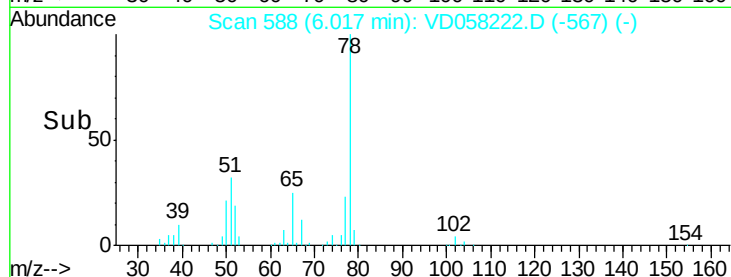
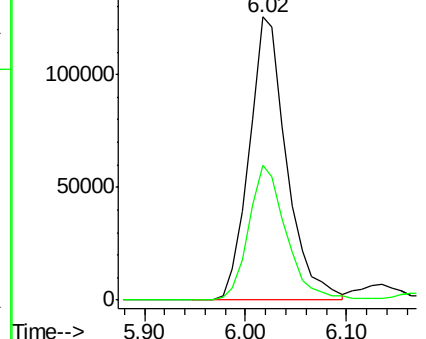
65 100

67 47.7 0.0 97.8



Abundance Ion 64.95 (64.65 to 65.65): VDC

Ion 66.90 (66.60 to 67.60): VDC



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.70 min Scan# 657

Delta R.T. 0.01 min

Lab File: VD058222.D

Acq: 20 Jun 2018 21:01

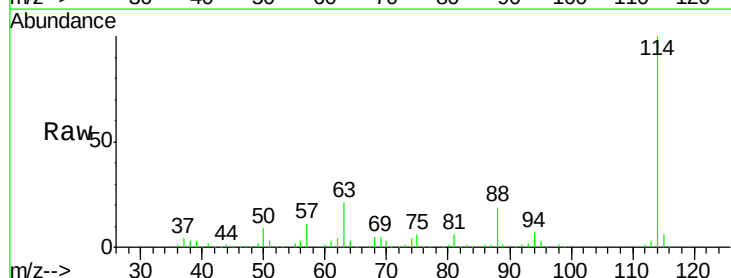
Tgt Ion: 114 Resp: 946290

Ion Ratio Lower Upper

114 100

63 20.9 0.0 42.6

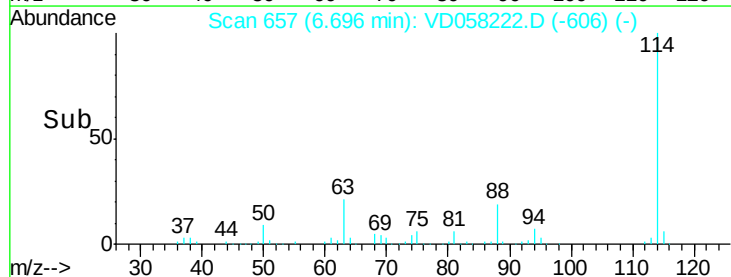
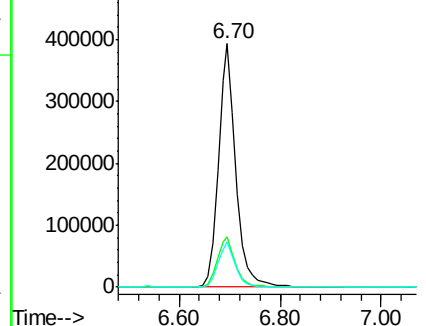
88 18.6 0.0 40.6

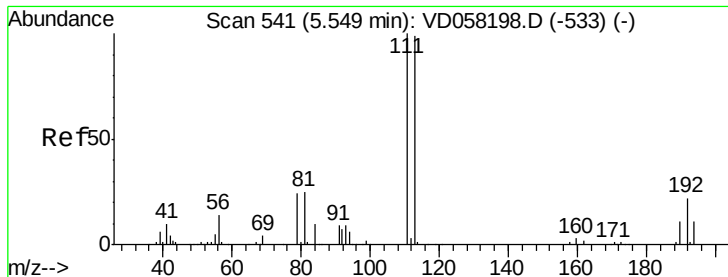


Abundance Ion 114.00 (113.70 to 114.70): V

Ion 62.95 (62.65 to 63.65): VDC

Ion 87.90 (87.60 to 88.60): VDC





#35

Dibromofluoromethane

Concen: 50.000 ug/l

RT: 5.65 min Scan# 551

Delta R.T. 0.10 min

Lab File: VD058222.D

Acq: 20 Jun 2018 21:01

Instrument :

MSVOA_D

ClientSampleId :

AREA1(S)MS

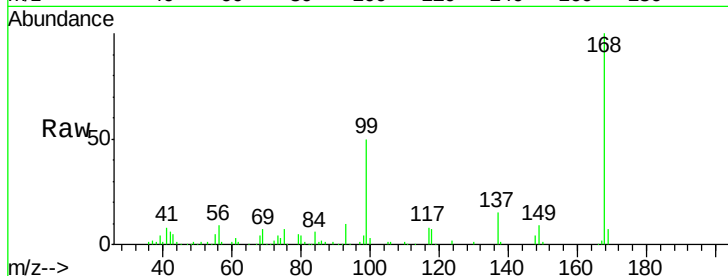
Tot Ion:113 Resp: 532

Ion Ratio Lower Upper

113 100

111 113.8 80.6 121.0

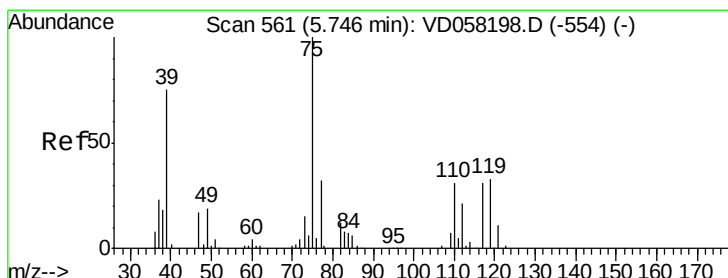
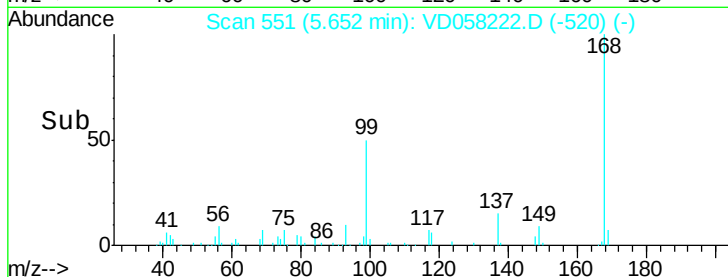
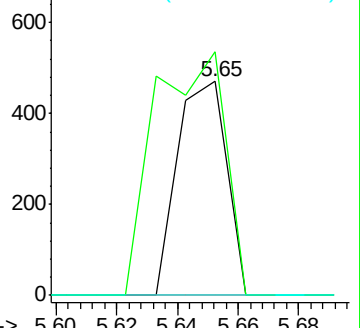
192 0.0 17.8 26.6#



Abundance Ion 112.90 (112.60 to 113.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 191.80 (191.50 to 192.50): V



#36

1,1-Dichloropropene

Concen: 44.844 ug/l

RT: 5.75 min Scan# 561

Delta R.T. 0.01 min

Lab File: VD058222.D

Acq: 20 Jun 2018 21:01

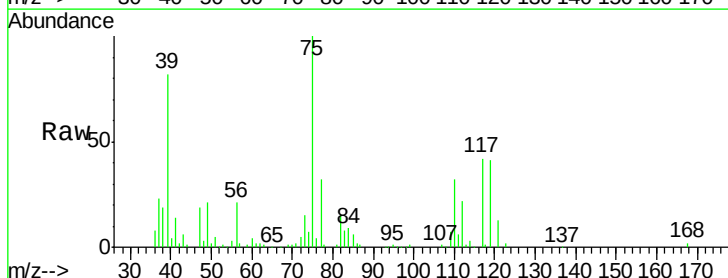
Tgt Ion: 75 Resp: 419796

Ion Ratio Lower Upper

75 100

110 31.6 15.4 46.4

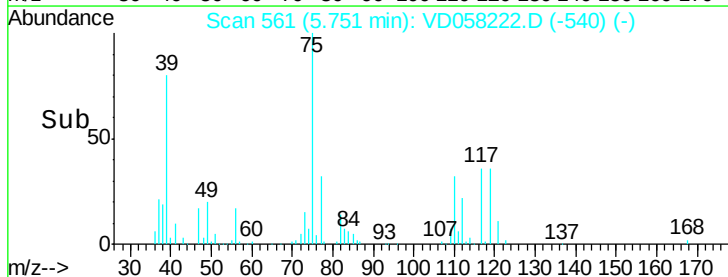
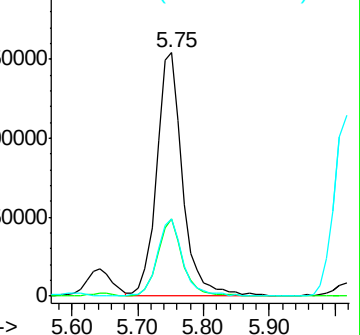
77 31.7 25.4 38.2

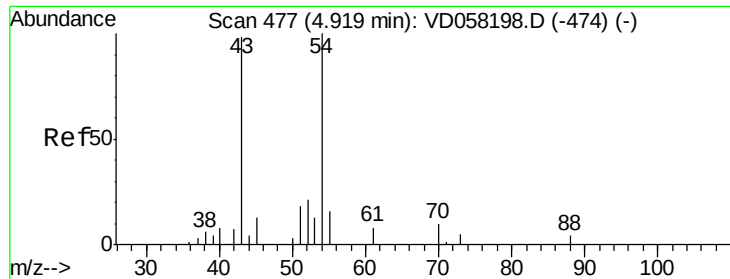


Abundance Ion 75.00 (74.70 to 75.70): V

Ion 109.90 (109.60 to 110.60): V

Ion 76.95 (76.65 to 77.65): V





#37

Ethyl Acetate

Concen: 101.627 ug/l

RT: 4.84 min Scan# 468

Delta R.T. -0.08 min

Lab File: VD058222.D

Acq: 20 Jun 2018 21:01

Instrument :

MSVOA_D

ClientSampled :

AREA1(S)MS

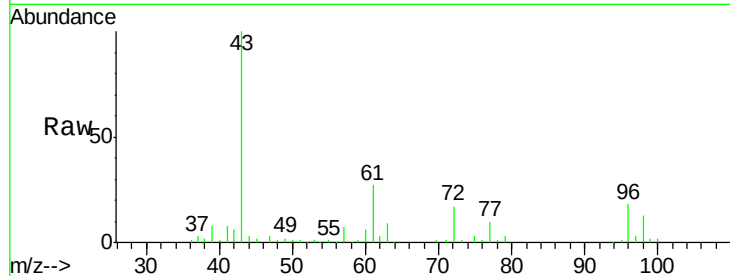
Tot Ion: 43 Resp: 542046

Ion Ratio Lower Upper

43 100

61 27.4 10.3 15.5#

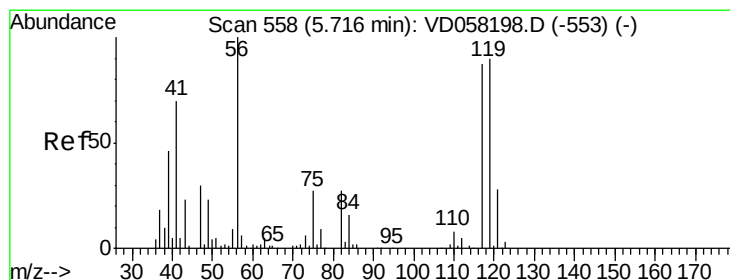
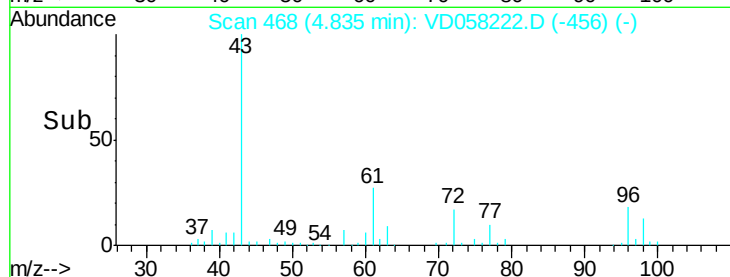
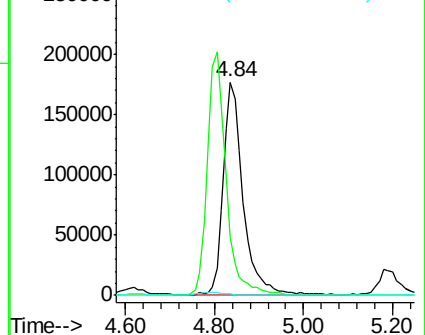
70 0.5 5.7 8.5#



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 60.95 (60.65 to 61.65): VDC

Ion 70.00 (69.70 to 70.70): VDC



#38

Carbon Tetrachloride

Concen: 46.139 ug/l

RT: 5.72 min Scan# 558

Delta R.T. 0.01 min

Lab File: VD058222.D

Acq: 20 Jun 2018 21:01

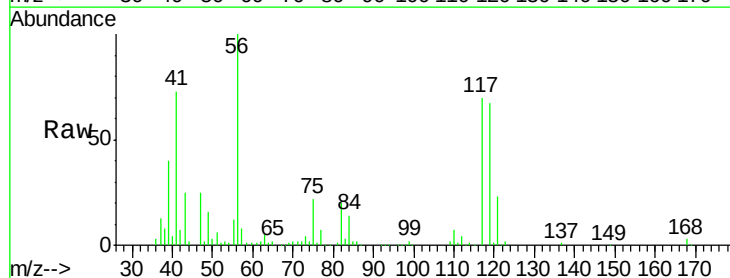
Tgt Ion: 117 Resp: 429156

Ion Ratio Lower Upper

117 100

119 96.3 78.8 118.2

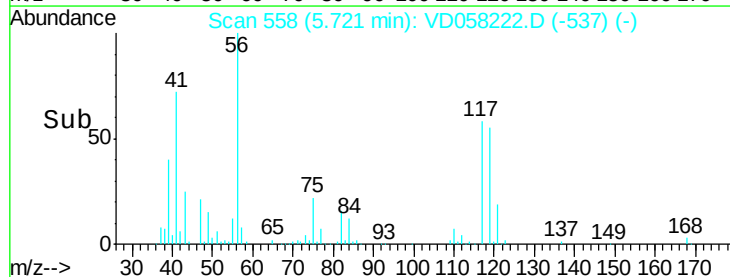
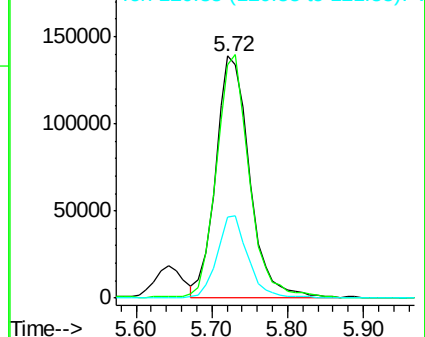
121 33.5 25.0 37.6

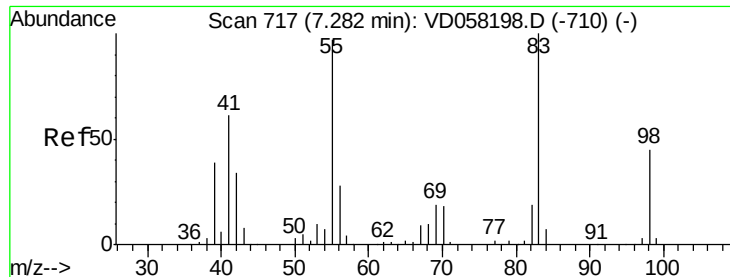


Abundance Ion 116.85 (116.55 to 117.55): V

Ion 118.85 (118.55 to 119.55): V

Ion 120.85 (120.55 to 121.55): V

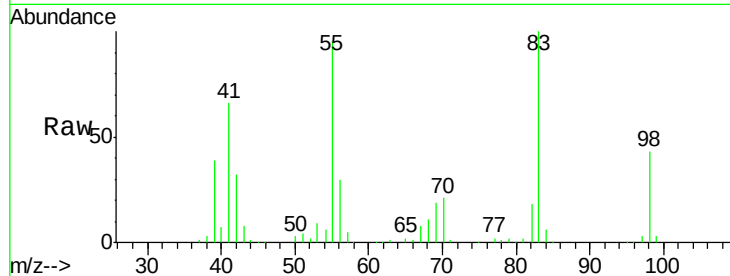




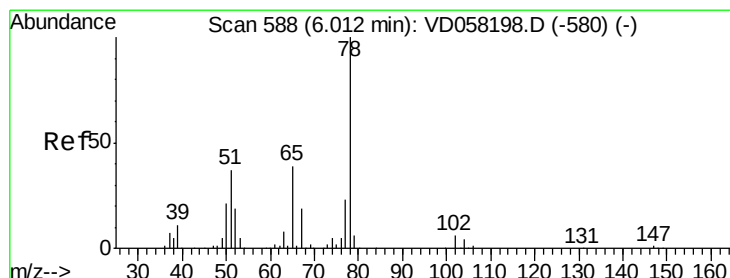
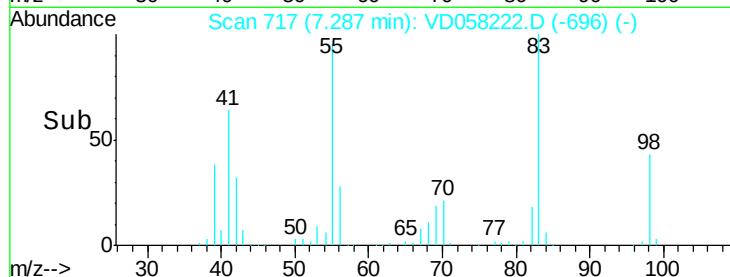
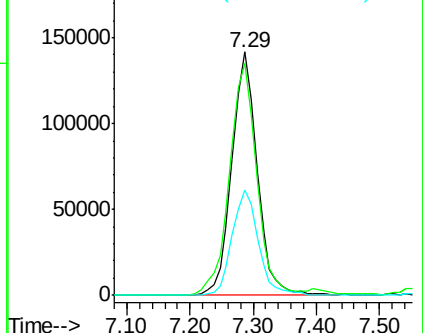
#39
Methylvlcyclohexane
Concen: 43.196 ug/l
RT: 7.29 min Scan# 717
Delta R.T. 0.00 min
Lab File: VD058222.D
Acq: 20 Jun 2018 21:01

Instrument :
MSVOA_D
ClientSampleId :
AREA1(S)MS

Tot Ion: 83 Resp: 393862
Ion Ratio Lower Upper
83 100
55 95.4 77.4 116.2
98 43.3 35.9 53.9

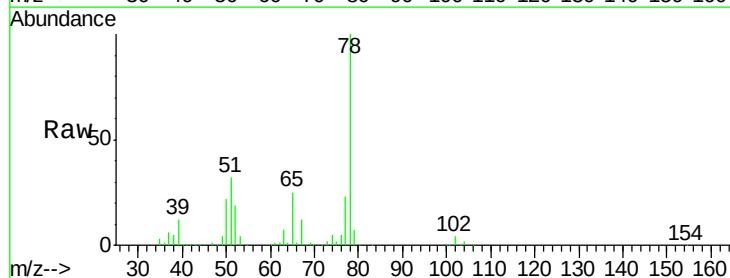


Abundance Ion 83.05 (82.75 to 83.75): VDC
Ion 55.00 (54.70 to 55.70): VDC
Ion 98.05 (97.75 to 98.75): VDC

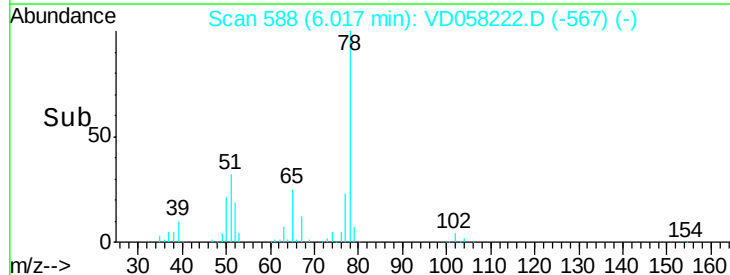
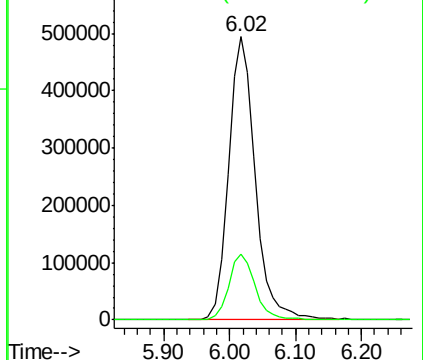


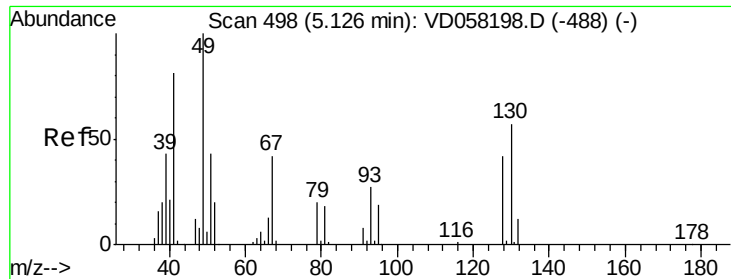
#40
Benzene
Concen: 62.615 ug/l
RT: 6.02 min Scan# 588
Delta R.T. 0.01 min
Lab File: VD058222.D
Acq: 20 Jun 2018 21:01

Tgt Ion: 78 Resp: 1396292
Ion Ratio Lower Upper
78 100
77 23.2 18.5 27.7



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





#41

Methacrylonitrile

Concen: 52.816 ug/l

RT: 5.12 min Scan# 497

Delta R.T. -0.00 min

Lab File: VD058222.D

Acq: 20 Jun 2018 21:01

Instrument :

MSVOA_D

ClientSampleId :

AREA1(S)MS

Tot Ion: 41 Resp: 136031

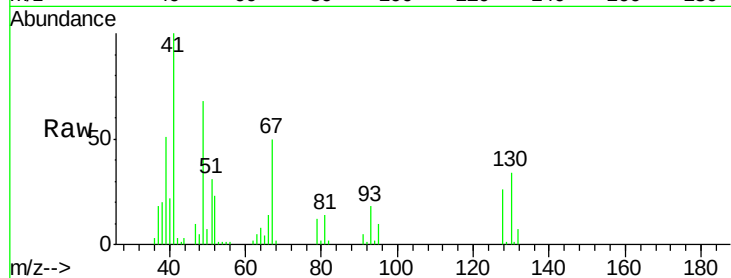
Ion Ratio Lower Upper

41 100

39 51.0 43.4 65.2

67 49.8 41.7 62.5

52 23.3 20.6 30.8

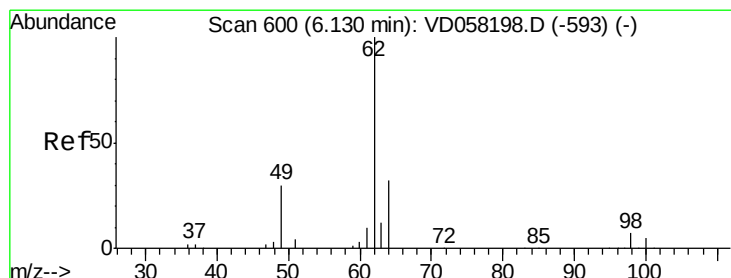
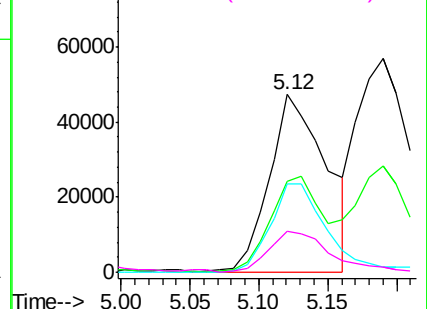
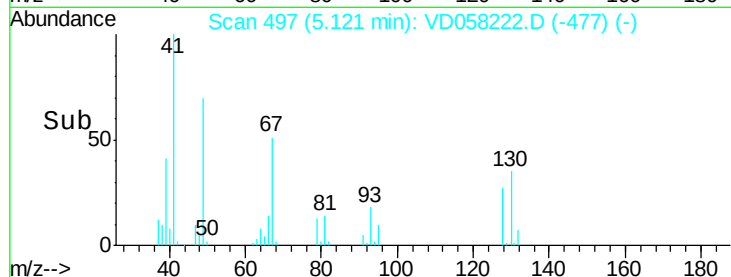


Abundance Ion 40.95 (40.65 to 41.65): VDC

Ion 38.95 (38.65 to 39.65): VDC

Ion 67.00 (66.70 to 67.70): VDC

Ion 52.00 (51.70 to 52.70): VDC



#42

1,2-Dichloroethane

Concen: 52.571 ug/l

RT: 6.13 min Scan# 600

Delta R.T. 0.00 min

Lab File: VD058222.D

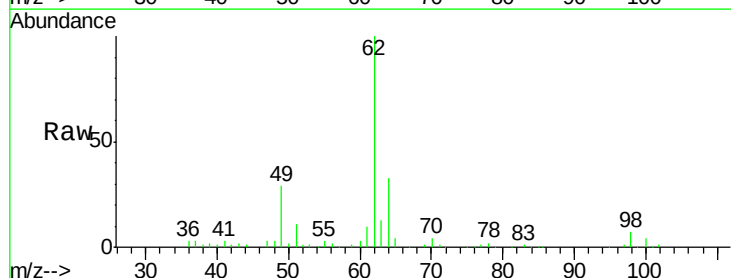
Acq: 20 Jun 2018 21:01

Tgt Ion: 62 Resp: 472693

Ion Ratio Lower Upper

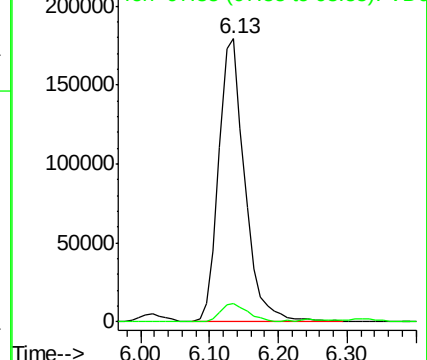
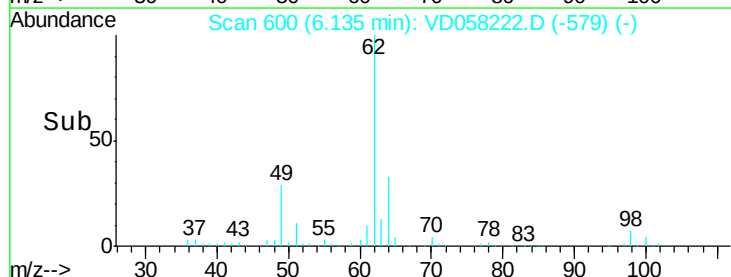
62 100

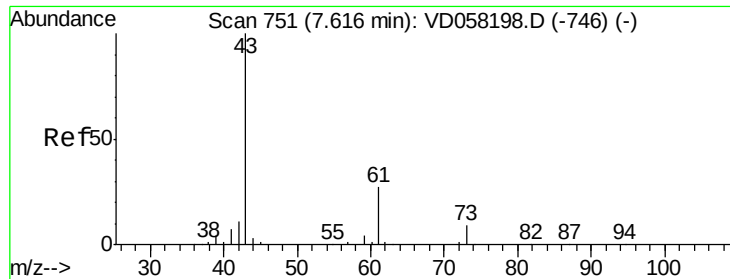
98 6.5 0.0 13.2



Abundance Ion 61.95 (61.65 to 62.65): VDC

Ion 97.85 (97.55 to 98.55): VDC





#43

Isopropyl Acetate

Concen: 3.186 ug/l

RT: 7.65 min Scan# 754

Delta R.T. 0.03 min

Lab File: VD058222.D

Acq: 20 Jun 2018 21:01

Instrument :

MSVOA_D

ClientSampleId :

AREA1(S)MS

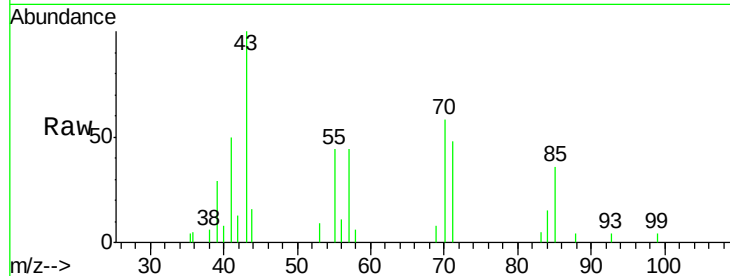
Tot Ion: 43 Resp: 22656

Ion Ratio Lower Upper

43 100

61 0.0 21.8 32.6#

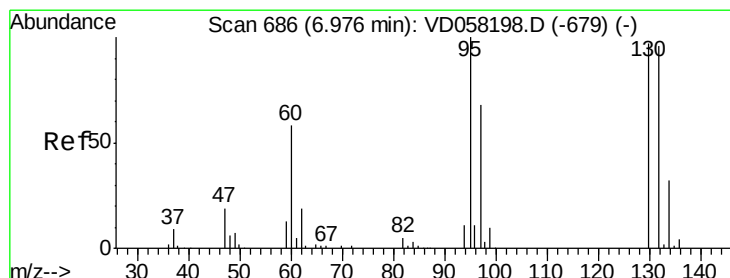
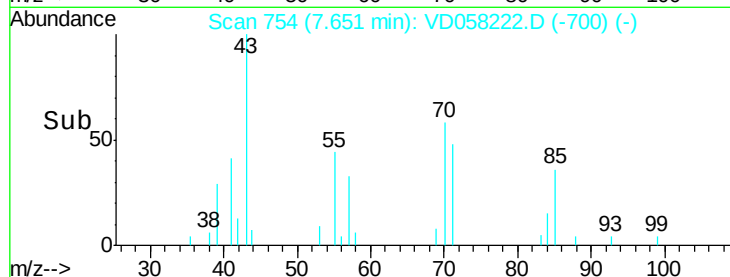
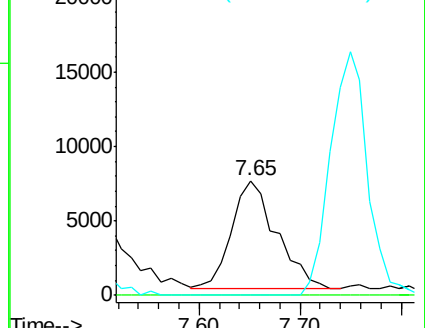
87 0.0 0.3 0.5#



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 60.95 (60.65 to 61.65): VDC

Ion 87.00 (86.70 to 87.70): VDC



#44

Trichloroethene

Concen: 93.111 ug/l

RT: 6.98 min Scan# 686

Delta R.T. 0.01 min

Lab File: VD058222.D

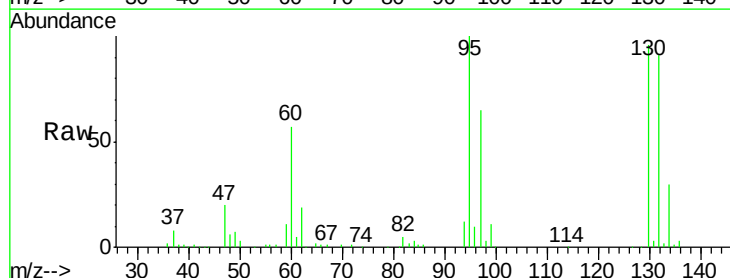
Acq: 20 Jun 2018 21:01

Tgt Ion:130 Resp: 623478

Ion Ratio Lower Upper

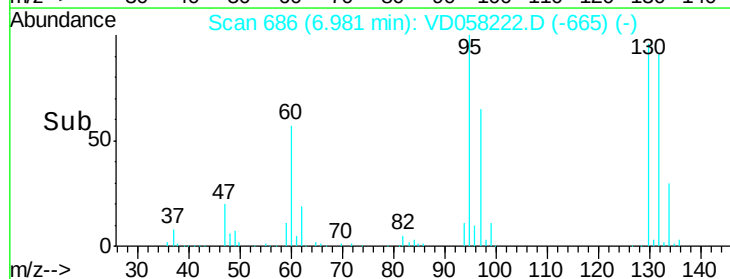
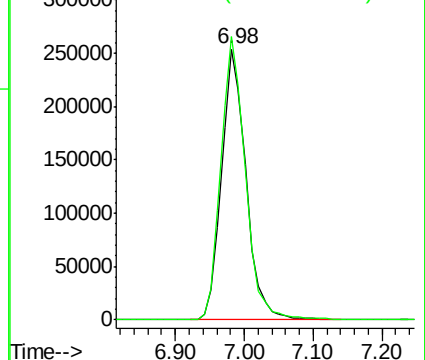
130 100

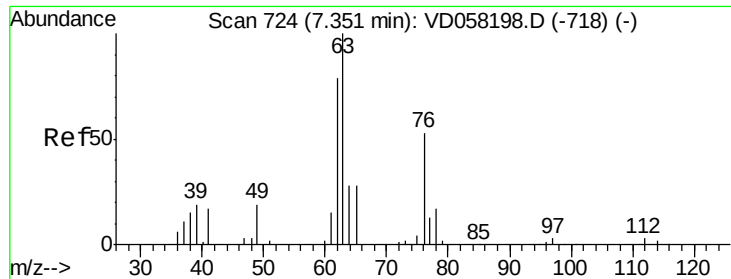
95 104.5 0.0 205.6



Abundance Ion 129.80 (129.50 to 130.50): VDC

Ion 94.90 (94.60 to 95.60): VDC





#45

1,2-Dichloropropane

Concen: 57.881 ug/l

RT: 7.36 min Scan# 724

Delta R.T. 0.01 min

Lab File: VD058222.D

Acq: 20 Jun 2018 21:01

Instrument :

MSVOA_D

ClientSampleId :

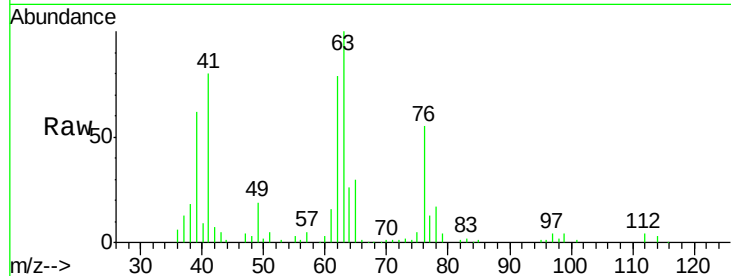
AREA1(S)MS

Tot Ion: 63 Resp: 347607

Ion Ratio Lower Upper

63 100

65 29.8 24.0 36.0



Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 64.95 (64.65 to 65.65): VDC

7.36

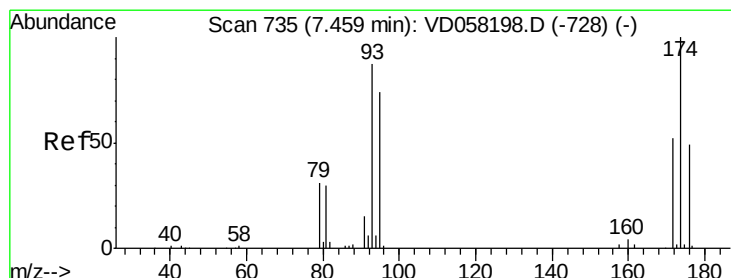
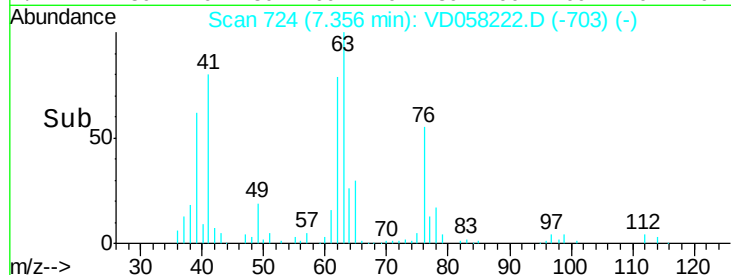
150000

100000

50000

0

Time-->



#46

Dibromomethane

Concen: 48.764 ug/l

RT: 7.46 min Scan# 735

Delta R.T. 0.01 min

Lab File: VD058222.D

Acq: 20 Jun 2018 21:01

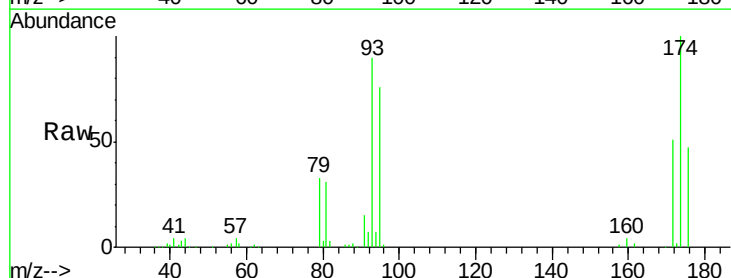
Tgt Ion: 93 Resp: 199921

Ion Ratio Lower Upper

93 100

95 84.4 67.8 101.6

174 110.9 92.2 138.2



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): V

120000

100000

80000

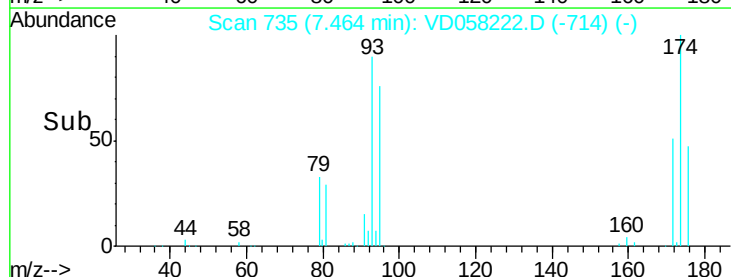
60000

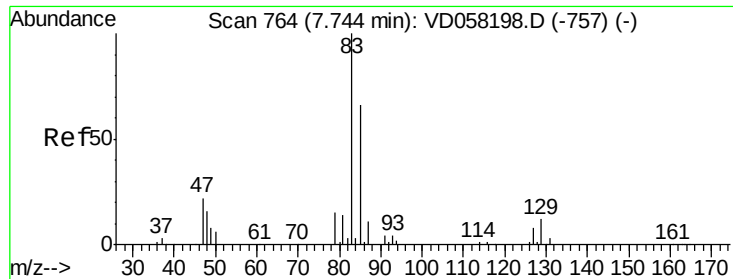
40000

20000

0

Time-->





#47

Bromodichloromethane

Concen: 42.700 ug/l

RT: 7.75 min Scan# 764

Delta R.T. 0.01 min

Lab File: VD058222.D

Acq: 20 Jun 2018 21:01

Instrument :

MSVOA_D

ClientSampleId :

AREA1(S)MS

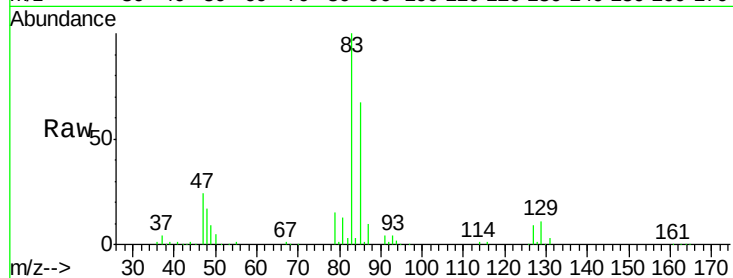
Tot Ion: 83 Resp: 399199

Ion Ratio Lower Upper

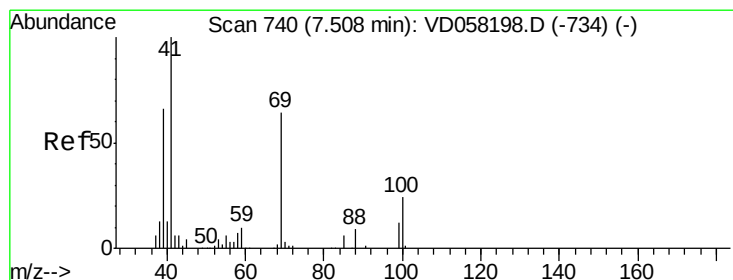
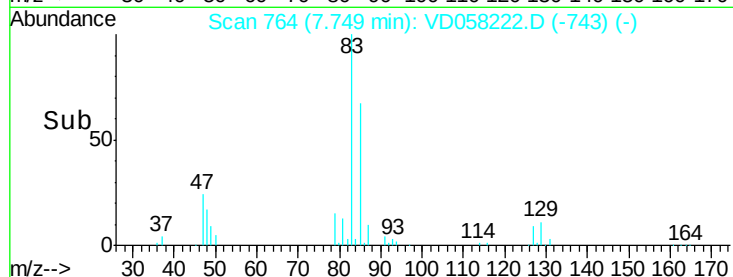
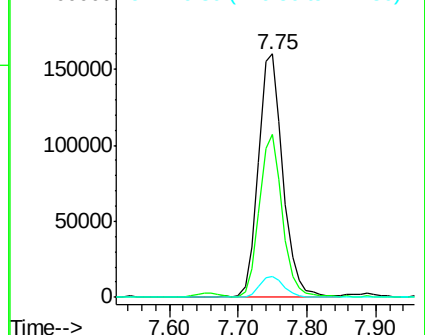
83 100

85 67.0 52.6 78.8

127 8.8 6.2 9.4



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): V



#48

Methyl methacrylate

Concen: 3.945 ug/l

RT: 7.55 min Scan# 744

Delta R.T. 0.04 min

Lab File: VD058222.D

Acq: 20 Jun 2018 21:01

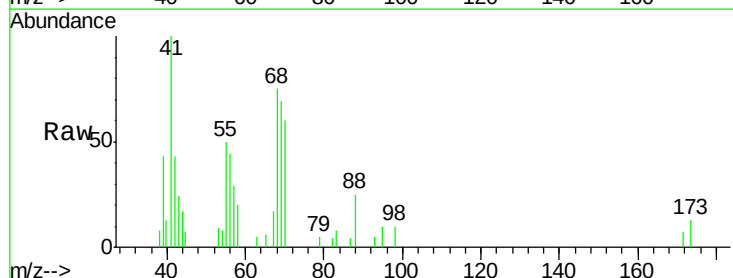
Tgt Ion: 41 Resp: 17051

Ion Ratio Lower Upper

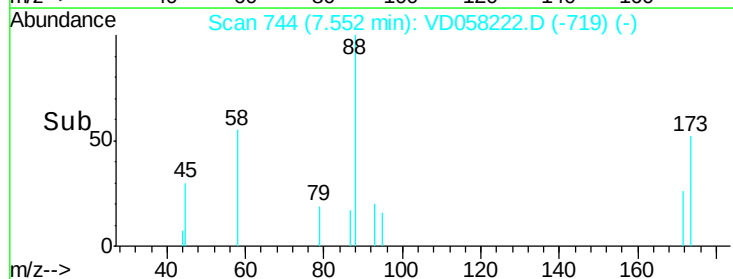
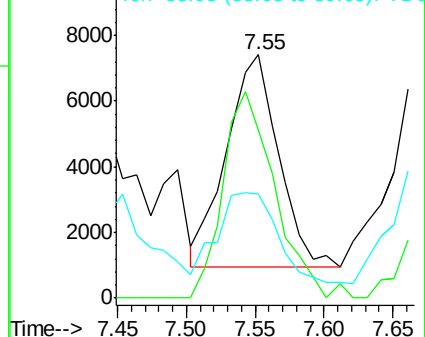
41 100

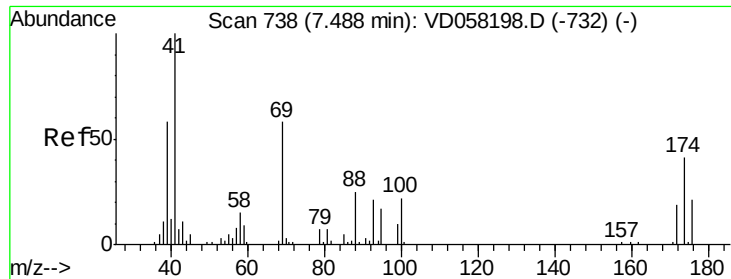
69 69.1 50.7 76.1

39 42.8 52.6 78.8#



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

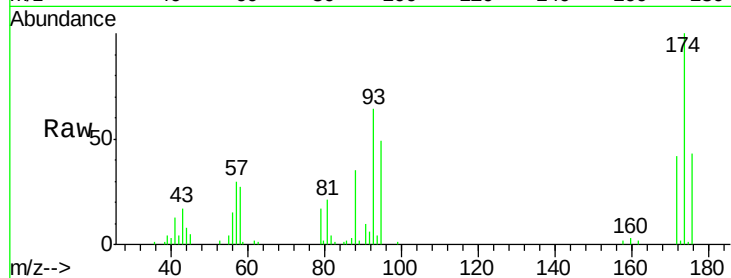




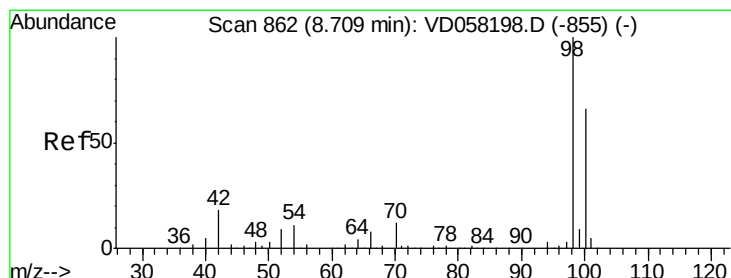
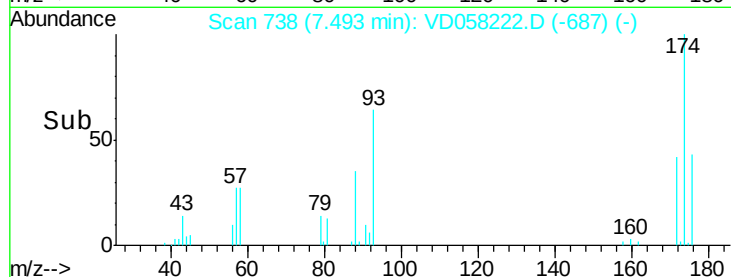
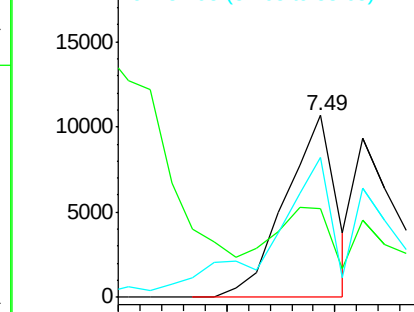
#49
1,4-Dioxane
Concen: 441.402 ug/l
RT: 7.49 min Scan# 738
Delta R.T. 0.01 min
Lab File: VD058222.D
Acq: 20 Jun 2018 21:01

Instrument :
MSVOA_D
ClientSampleId :
AREA1(S)MS

Tot Ion: 88 Resp: 17220
Ion Ratio Lower Upper
88 100
43 48.5 34.2 51.2
58 76.7 47.9 71.9#

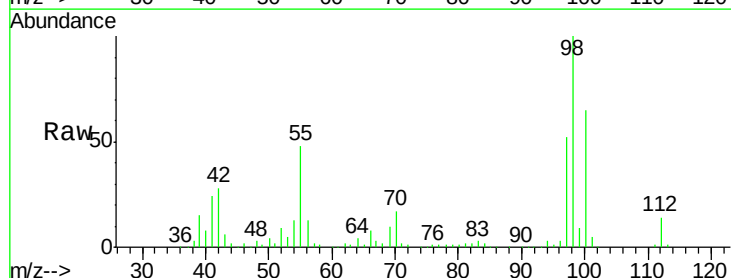


Abundance Ion 88.00 (87.70 to 88.70): VDC
Ion 43.05 (42.75 to 43.75): VDC
Ion 57.95 (57.65 to 58.65): VDC

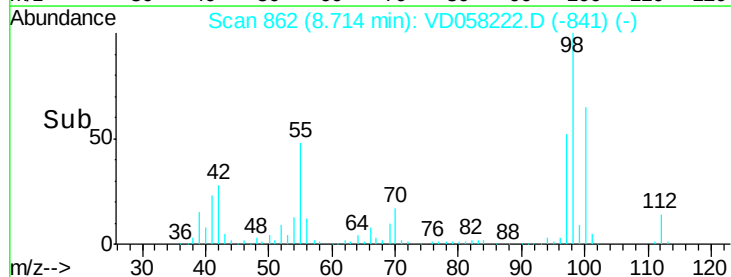
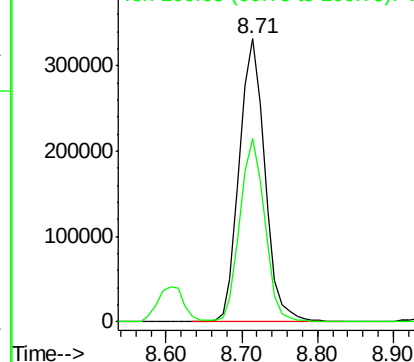


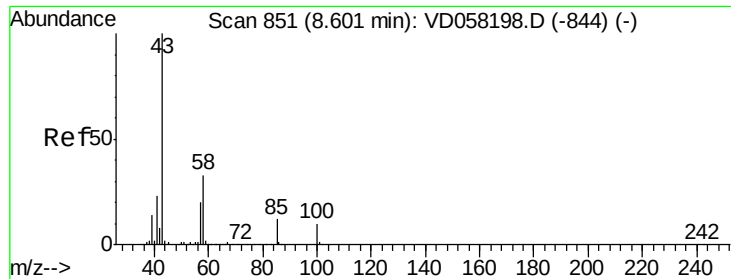
#50
Toluene-d8
Concen: 441.402 ug/l
RT: 8.71 min Scan# 862
Delta R.T. 0.01 min
Lab File: VD058222.D
Acq: 20 Jun 2018 21:01

Tgt Ion: 98 Resp: 774686
Ion Ratio Lower Upper
98 100
100 64.9 53.6 80.4



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: 243.883 ug/l

RT: 8.61 min Scan# 851

Delta R.T. 0.01 min

Lab File: VD058222.D

Acq: 20 Jun 2018 21:01

Instrument :

MSVOA_D

ClientSampleId :

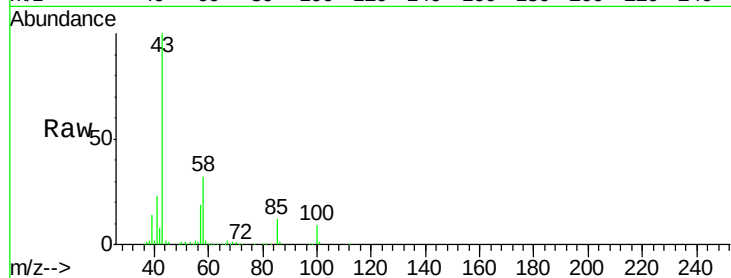
AREA1(S)MS

Tot Ion: 43 Resp: 1131191

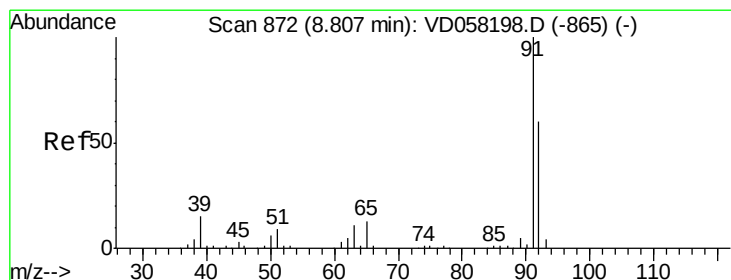
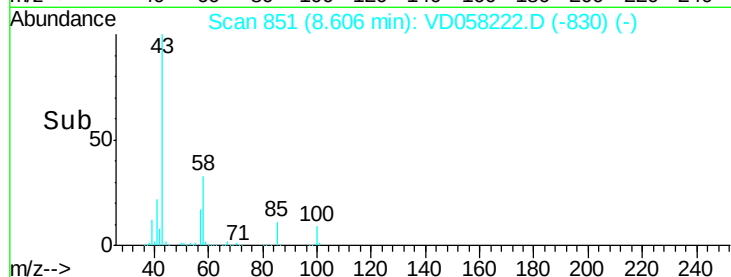
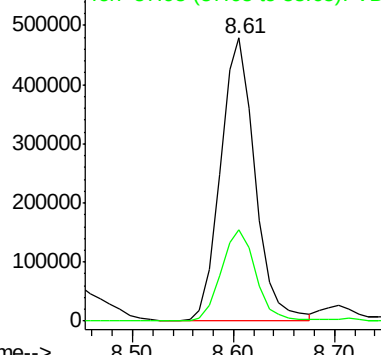
Ion Ratio Lower Upper

43 100

58 32.5 26.7 40.1



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



#52

Toluene

Concen: 80.452 ug/l

RT: 8.80 min Scan# 871

Delta R.T. -0.00 min

Lab File: VD058222.D

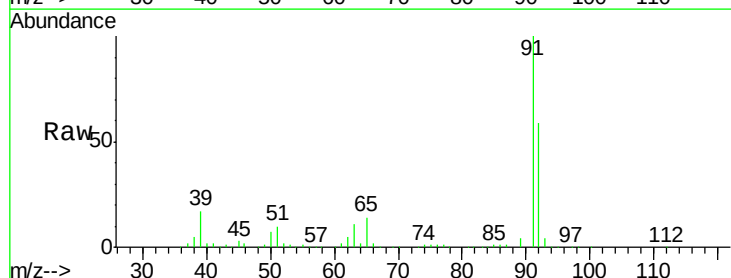
Acq: 20 Jun 2018 21:01

Tgt Ion: 92 Resp: 1021551

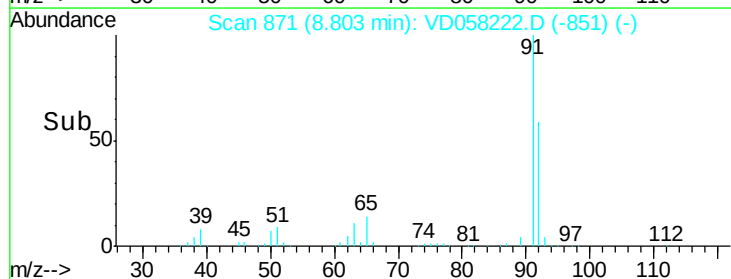
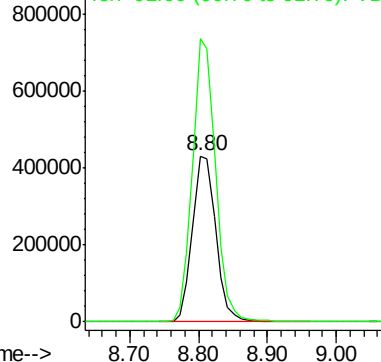
Ion Ratio Lower Upper

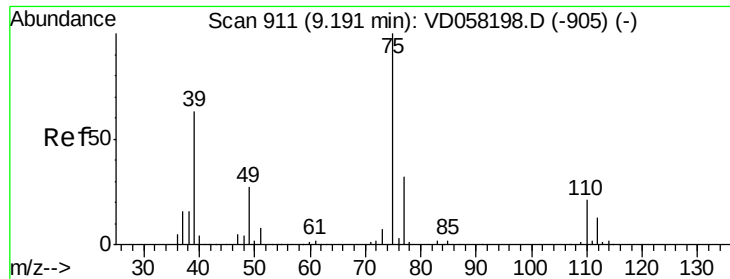
92 100

91 170.5 133.2 199.8



Abundance Ion 92.00 (91.70 to 92.70): VDC
Ion 91.00 (90.70 to 91.70): VDC

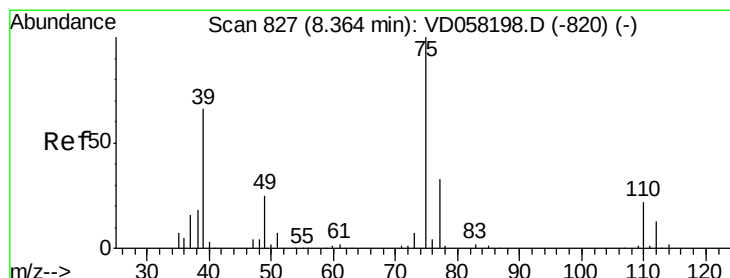
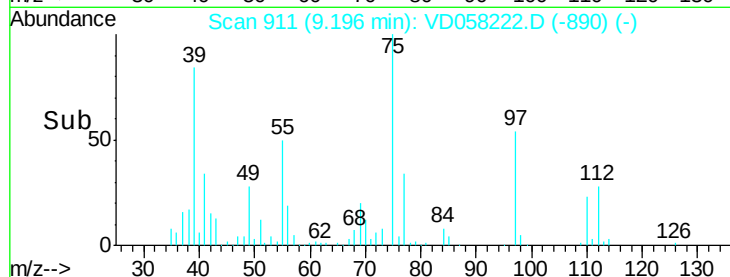
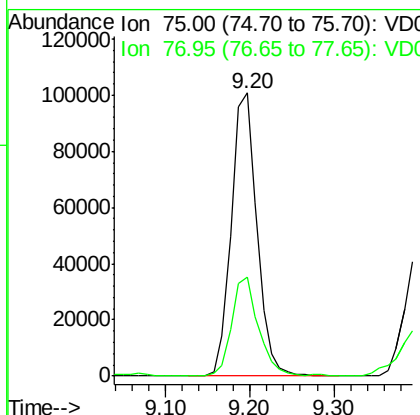
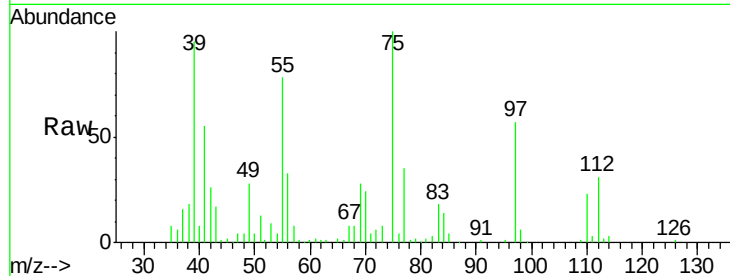




#53
t-1,3-Dichloropropene
Concen: 26.328 ug/l
RT: 9.20 min Scan# 911
Delta R.T. 0.01 min
Lab File: VD058222.D
Acq: 20 Jun 2018 21:01

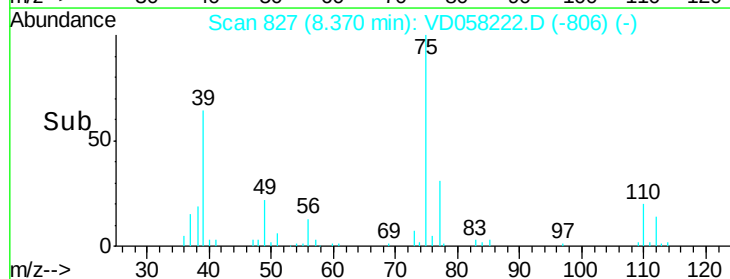
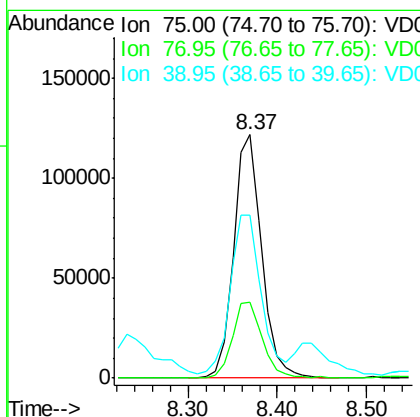
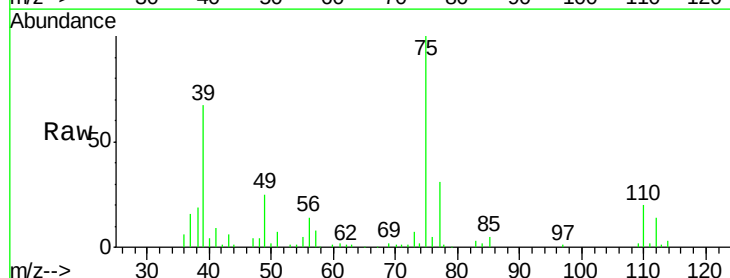
Instrument :
MSVOA_D
ClientSampleId :
AREA1(S)MS

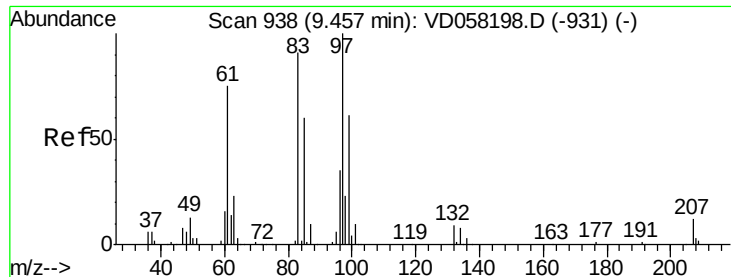
Tot Ion: 75 Resp: 213999
Ion Ratio Lower Upper
75 100
77 34.8 25.8 38.8



#54
cis-1,3-Dichloropropene
Concen: 28.010 ug/l
RT: 8.37 min Scan# 827
Delta R.T. 0.01 min
Lab File: VD058222.D
Acq: 20 Jun 2018 21:01

Tgt Ion: 75 Resp: 266910
Ion Ratio Lower Upper
75 100
77 31.1 26.5 39.7
39 66.9 52.9 79.3





#55

1,1,2-Trichloroethane

Concen: 23.188 ug/l

RT: 9.46 min Scan# 938

Delta R.T. 0.01 min

Lab File: VD058222.D

Acq: 20 Jun 2018 21:01

Instrument :

MSVOA_D

ClientSampleId :

AREA1(S)MS

Tot Ion: 97 Resp: 104172

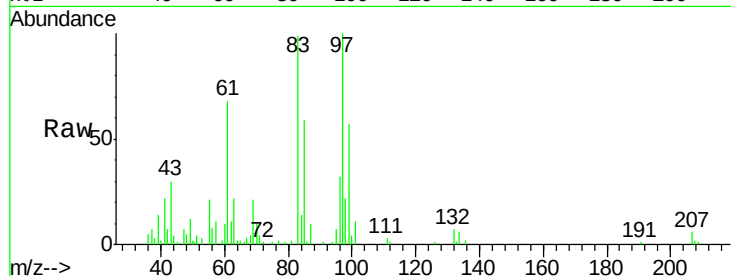
Ion Ratio Lower Upper

97 100

83 99.4 72.9 109.3

85 58.6 48.2 72.4

99 56.9 48.9 73.3

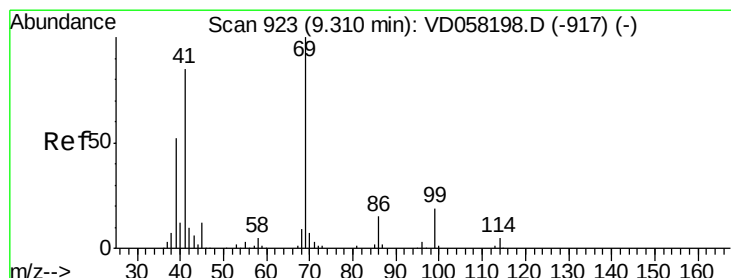
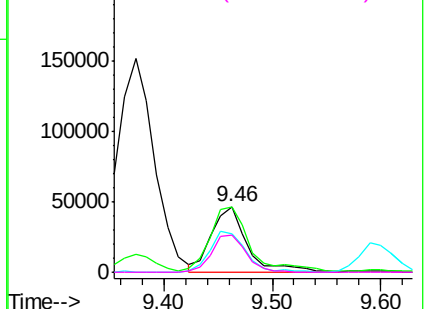
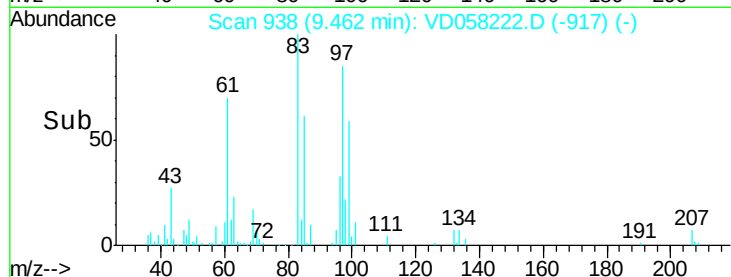


Abundance Ion 96.85 (96.55 to 97.55): VDC

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: 16.602 ug/l

RT: 9.37 min Scan# 929

Delta R.T. 0.06 min

Lab File: VD058222.D

Acq: 20 Jun 2018 21:01

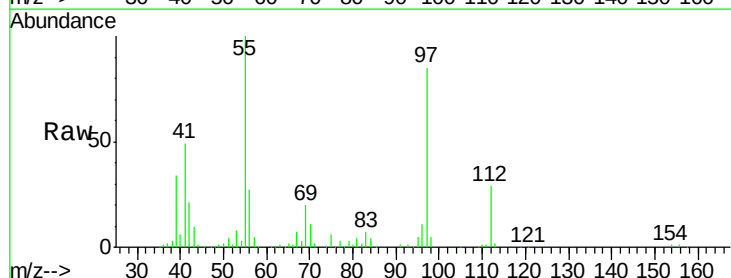
Tgt Ion: 69 Resp: 89196

Ion Ratio Lower Upper

69 100

41 245.6 67.6 101.4#

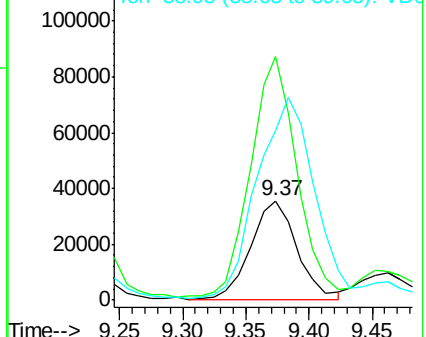
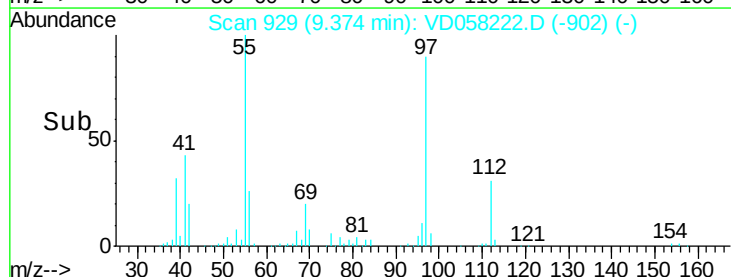
39 170.7 42.2 63.2#

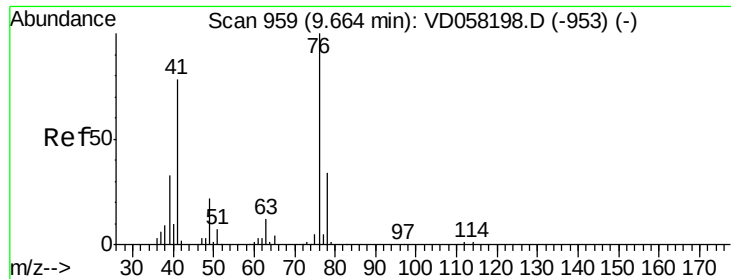


Abundance Ion 69.00 (68.70 to 69.70): VDC

Ion 41.05 (40.75 to 41.75): VDC

Ion 38.95 (38.65 to 39.65): VDC

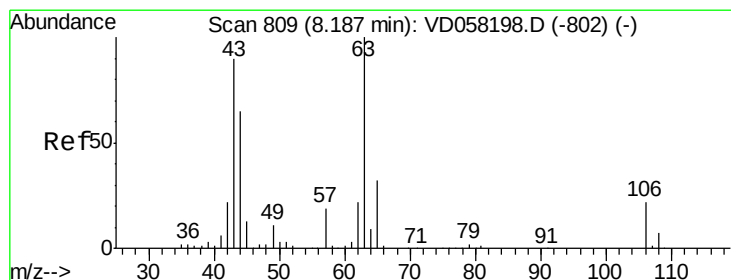
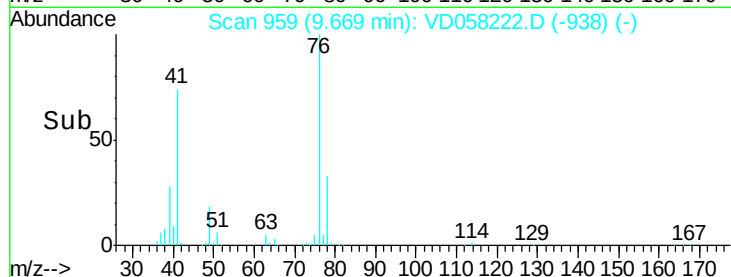
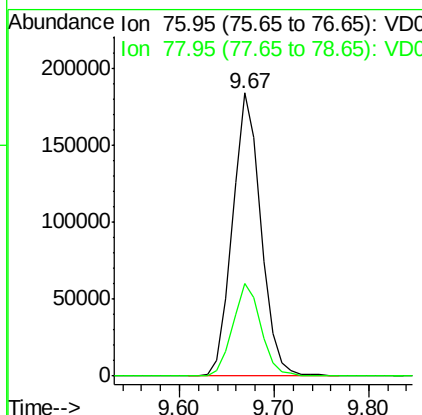
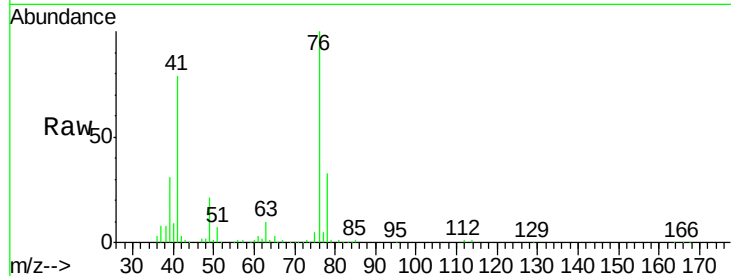




#57
 1,3-Dichloropropane
 Concen: 50.225 ug/l
 RT: 9.67 min Scan# 959
 Delta R.T. 0.01 min
 Lab File: VD058222.D
 Acq: 20 Jun 2018 21:01

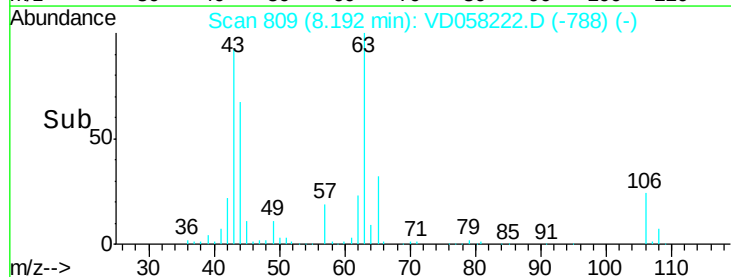
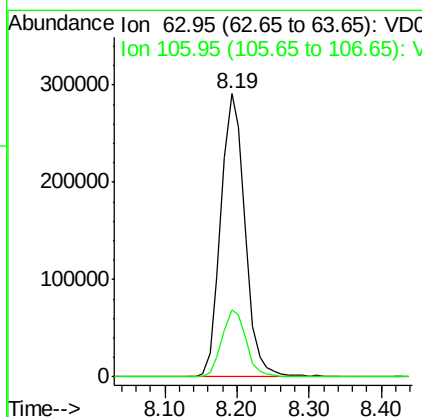
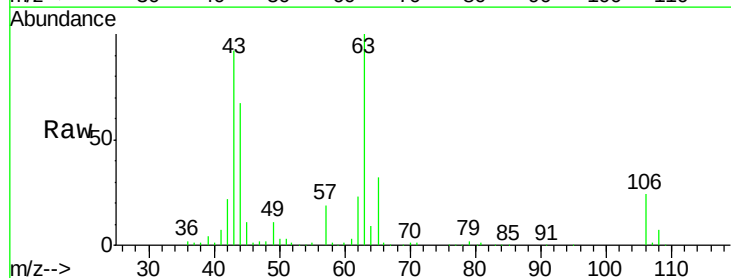
Instrument :
 MSVOA_D
 ClientSampleId :
 AREA1(S)MS

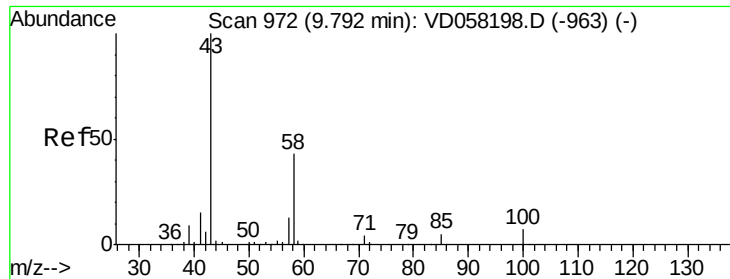
Tot Ion: 76 Resp: 380067
 Ion Ratio Lower Upper
 76 100
 78 32.8 27.0 40.6



#58
 2-Chloroethyl Vinyl ether
 Concen: 254.216 ug/l
 RT: 8.19 min Scan# 809
 Delta R.T. 0.01 min
 Lab File: VD058222.D
 Acq: 20 Jun 2018 21:01

Tgt Ion: 63 Resp: 676154
 Ion Ratio Lower Upper
 63 100
 106 23.6 18.0 27.0

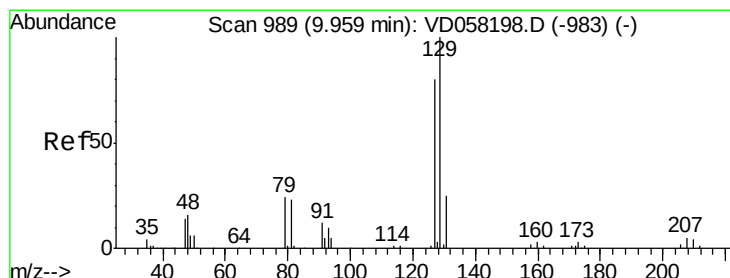
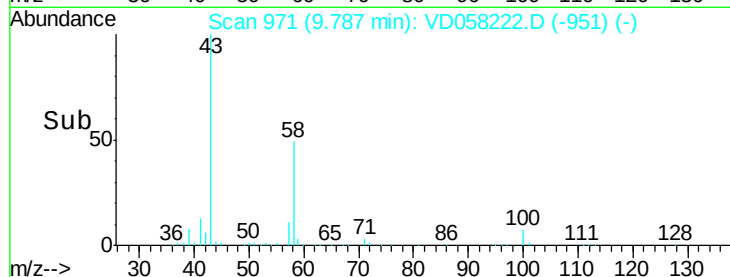
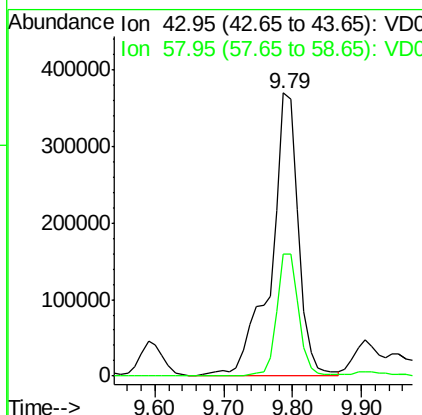
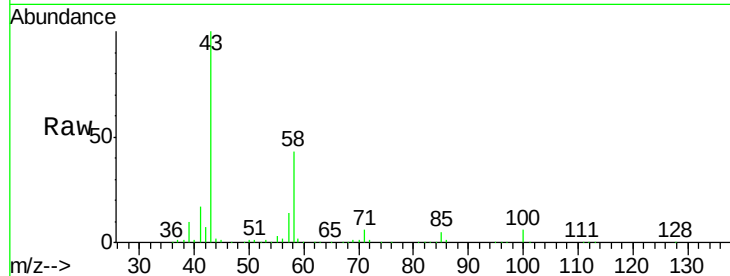




#59
2-Hexanone
Concen: 301.491 ug/l
RT: 9.79 min Scan# 971
Delta R.T. -0.00 min
Lab File: VD058222.D
Acq: 20 Jun 2018 21:01

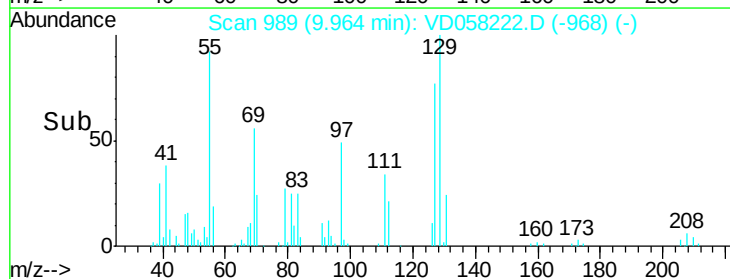
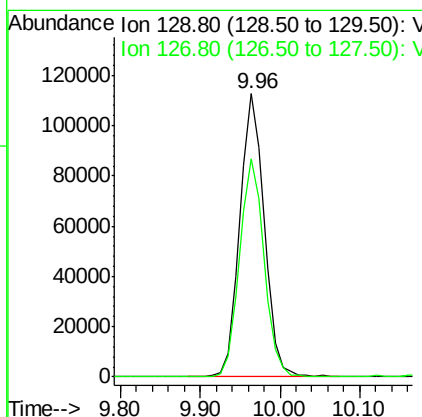
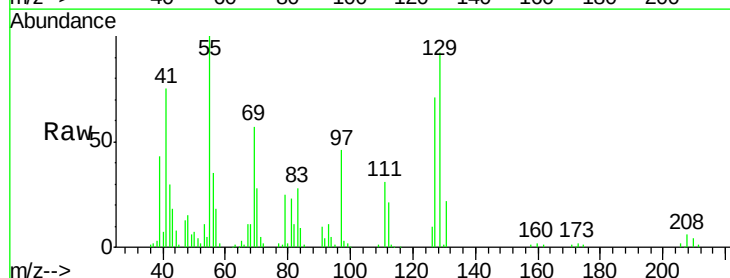
Instrument :
MSVOA_D
ClientSampleId :
AREA1(S)MS

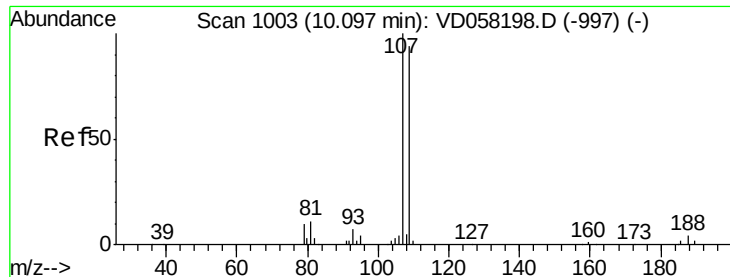
Tot Ion: 43 Resp: 1010451
Ion Ratio Lower Upper
43 100
58 43.2 21.7 65.1



#60
Dibromochloromethane
Concen: 39.242 ug/l
RT: 9.96 min Scan# 989
Delta R.T. 0.01 min
Lab File: VD058222.D
Acq: 20 Jun 2018 21:01

Tgt Ion: 129 Resp: 239247
Ion Ratio Lower Upper
129 100
127 76.9 39.8 119.4





#61

1,2-Dibromoethane

Concen: 41.479 ug/l

RT: 10.10 min Scan# 1003

Delta R.T. 0.01 min

Lab File: VD058222.D

Acq: 20 Jun 2018 21:01

Instrument :

MSVOA_D

ClientSampleId :

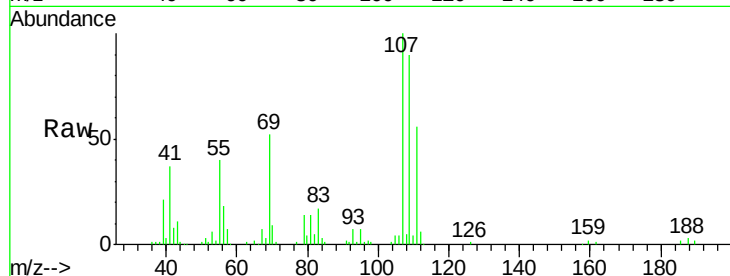
AREA1(S)MS

Tot Ion:107 Resp: 203948

Ion Ratio Lower Upper

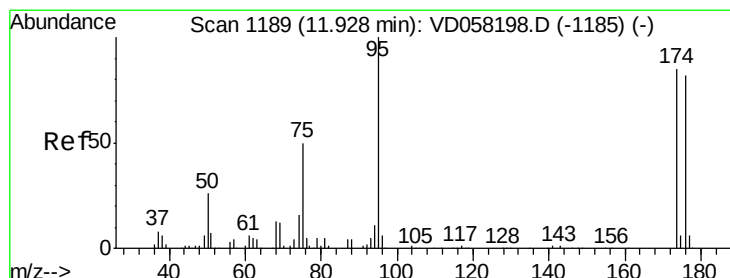
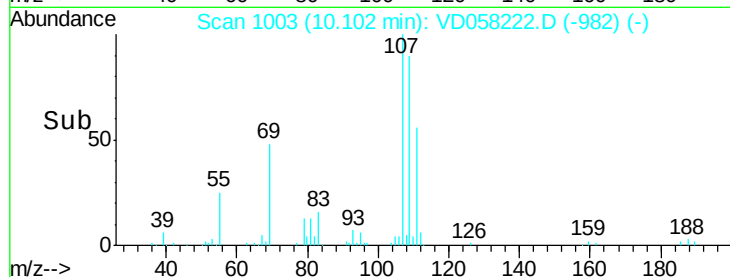
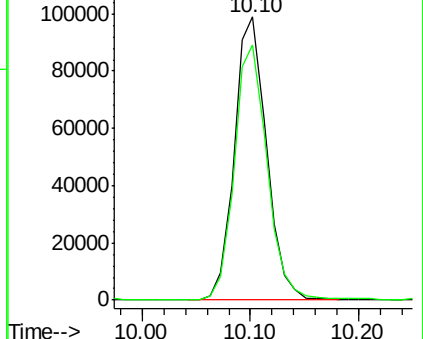
107 100

109 90.1 74.8 112.2



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.90 (108.60 to 109.60): V



#62

4-Bromofluorobenzene

Concen: 41.479 ug/l

RT: 11.93 min Scan# 1189

Delta R.T. 0.01 min

Lab File: VD058222.D

Acq: 20 Jun 2018 21:01

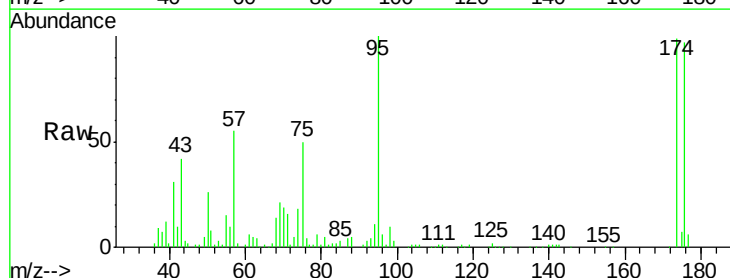
Tgt Ion: 95 Resp: 218187

Ion Ratio Lower Upper

95 100

174 99.2 0.0 170.2

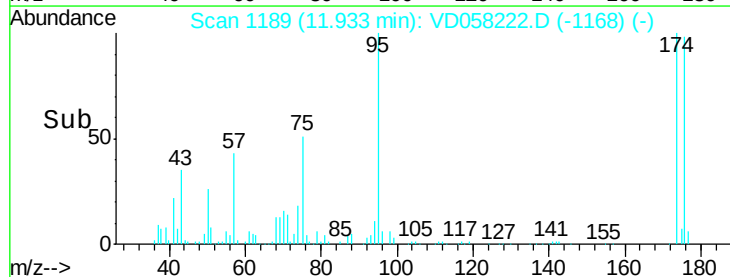
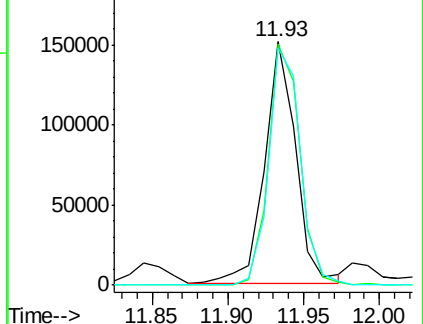
176 97.3 0.0 164.6

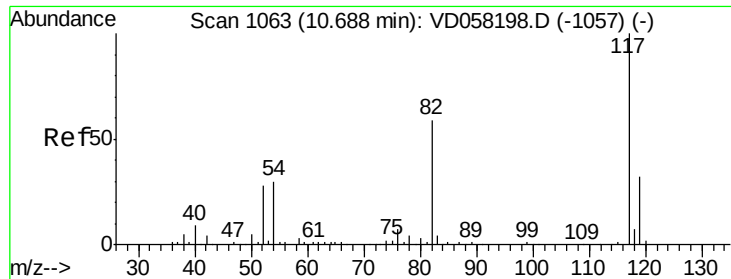


Abundance Ion 95.00 (94.70 to 95.70): V

Ion 173.90 (173.60 to 174.60): V

Ion 175.90 (175.60 to 176.60): V





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.69 min Scan# 1063

Delta R.T. 0.01 min

Lab File: VD058222.D

Acq: 20 Jun 2018 21:01

Instrument :

MSVOA_D

ClientSampleId :

AREA1(S)MS

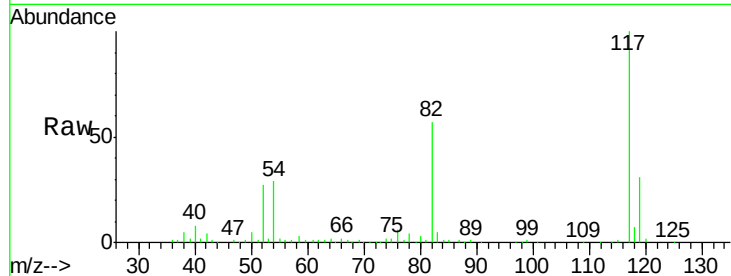
Tot Ion:117 Resp: 604565

Ion Ratio Lower Upper

117 100

82 57.3 47.0 70.6

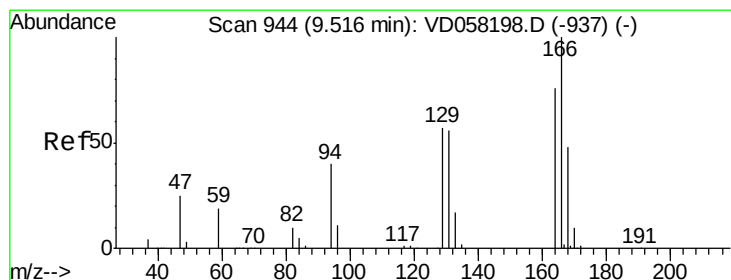
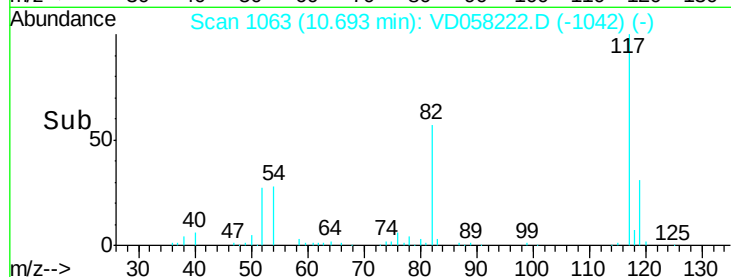
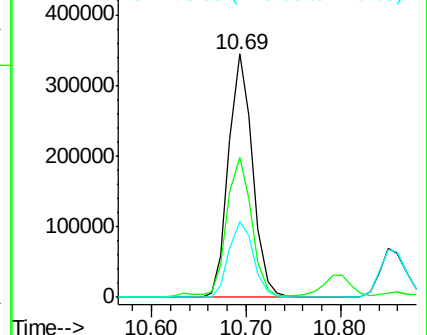
119 31.2 25.3 37.9



Abundance Ion 116.95 (116.65 to 117.65): V

Ion 82.05 (81.75 to 82.75): V

Ion 118.95 (118.65 to 119.65): V



#64

Tetrachloroethene

Concen: 87.790 ug/l

RT: 9.52 min Scan# 944

Delta R.T. 0.01 min

Lab File: VD058222.D

Acq: 20 Jun 2018 21:01

Tgt Ion:164 Resp: 446579

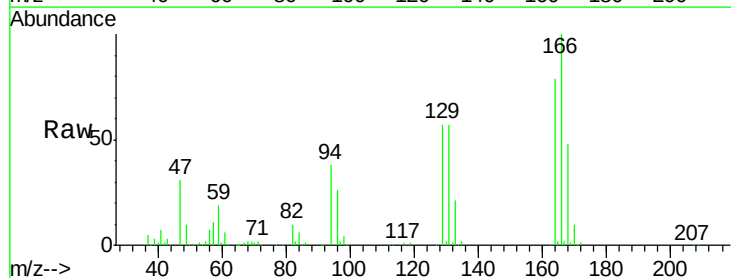
Ion Ratio Lower Upper

164 100

166 126.9 105.4 158.0

129 72.0 59.6 89.4

131 72.8 59.4 89.2

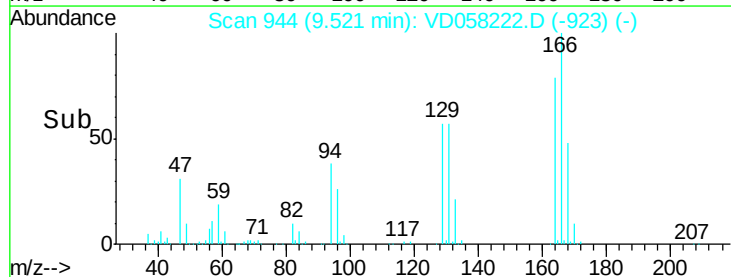
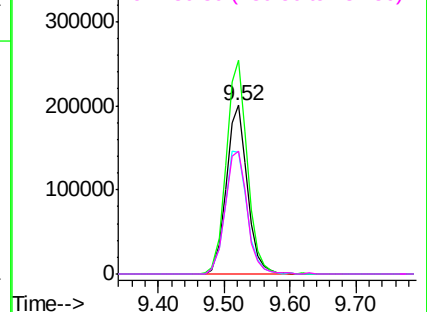


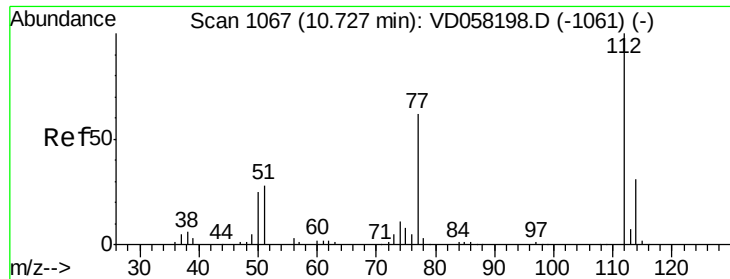
Abundance Ion 163.85 (163.55 to 164.55): V

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

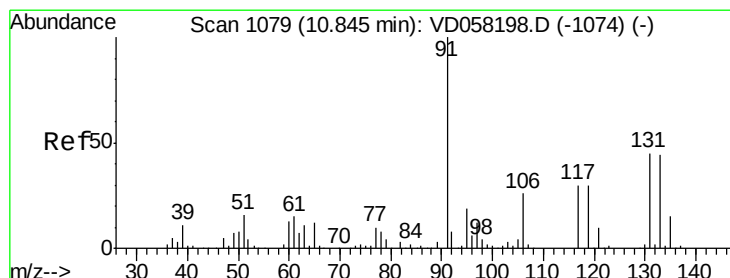
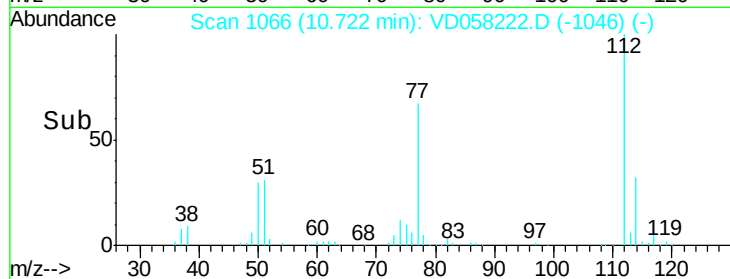
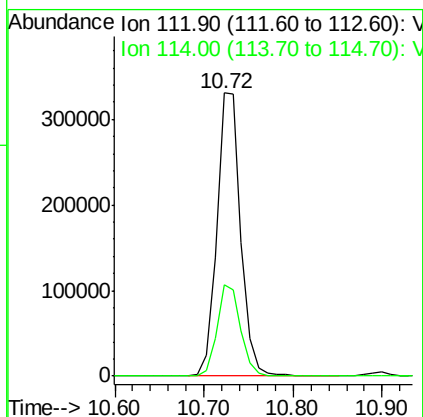
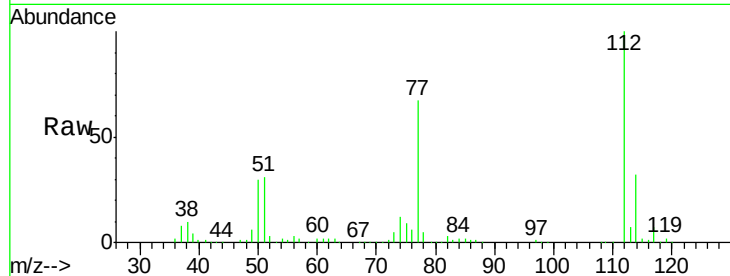




#65
Chlorobenzene
Concen: 54.605 ug/l
RT: 10.72 min Scan# 1066
Delta R.T. -0.00 min
Lab File: VD058222.D
Acq: 20 Jun 2018 21:01

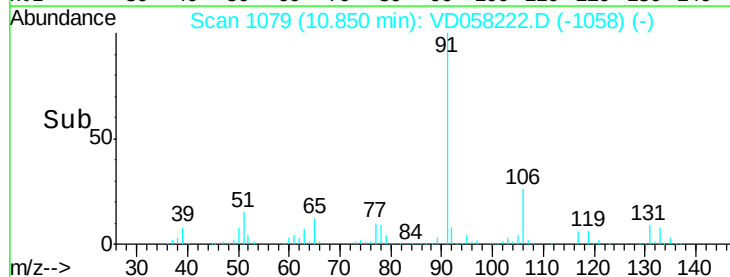
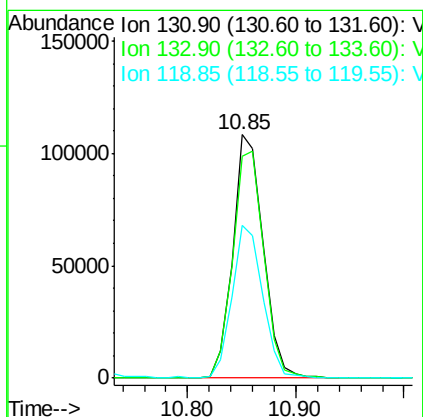
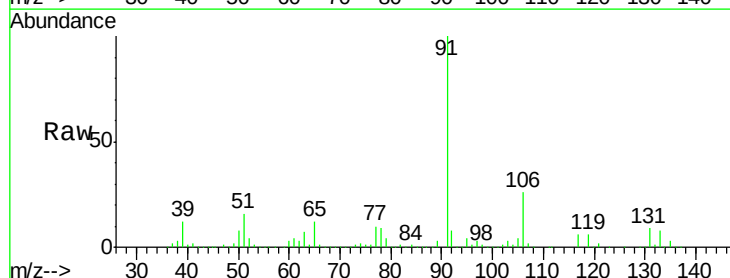
Instrument :
MSVOA_D
ClientSampleId :
AREA1(S)MS

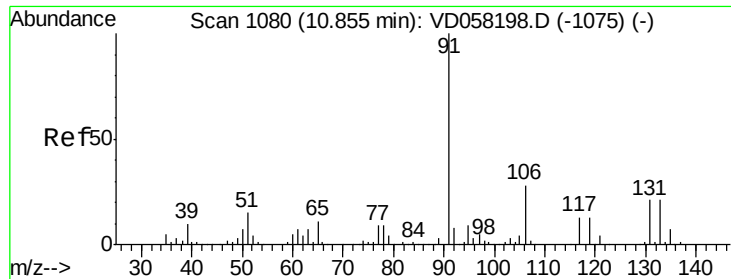
Tot Ion:112 Resp: 617511
Ion Ratio Lower Upper
112 100
114 32.3 25.0 37.4



#66
1,1,1,2-Tetrachloroethane
Concen: 48.316 ug/l
RT: 10.85 min Scan# 1079
Delta R.T. 0.01 min
Lab File: VD058222.D
Acq: 20 Jun 2018 21:01

Tgt Ion:131 Resp: 210857
Ion Ratio Lower Upper
131 100
133 91.0 48.6 145.9
119 62.9 33.0 99.0

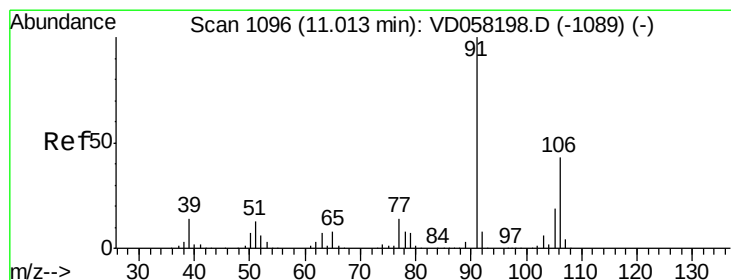
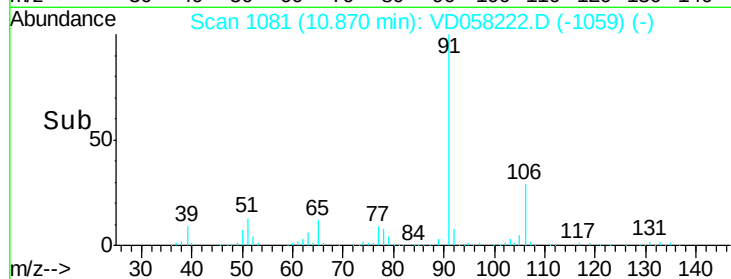
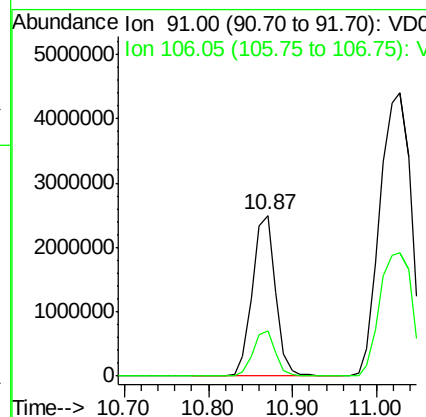
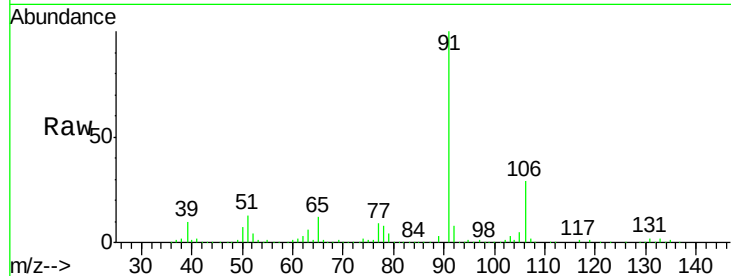




#67
Ethyl Benzene
Concen: 241.239 ug/l
RT: 10.87 min Scan# 1081
Delta R.T. 0.01 min
Lab File: VD058222.D
Acq: 20 Jun 2018 21:01

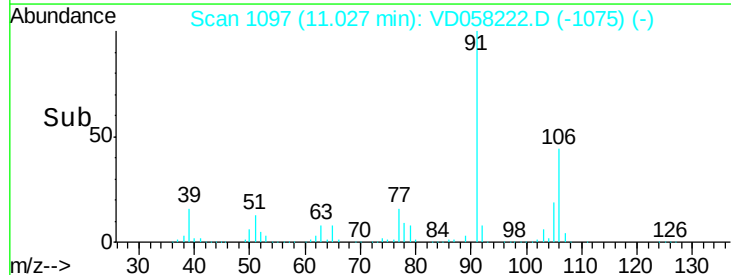
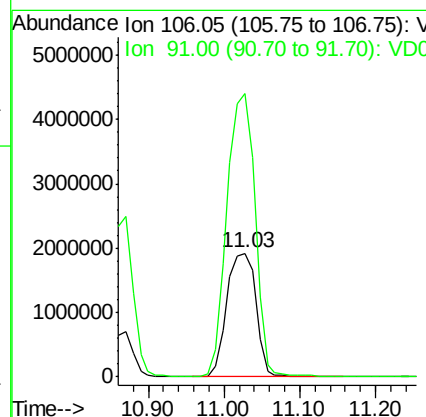
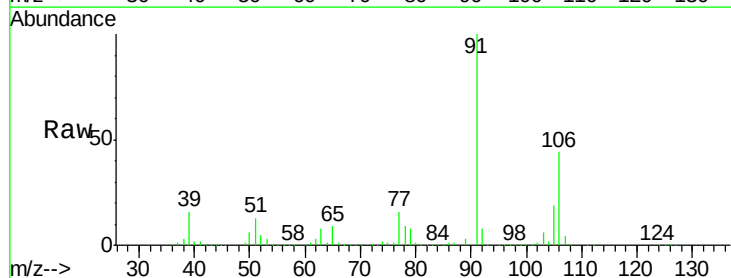
Instrument :
MSVOA_D
ClientSampleId :
AREA1(S)MS

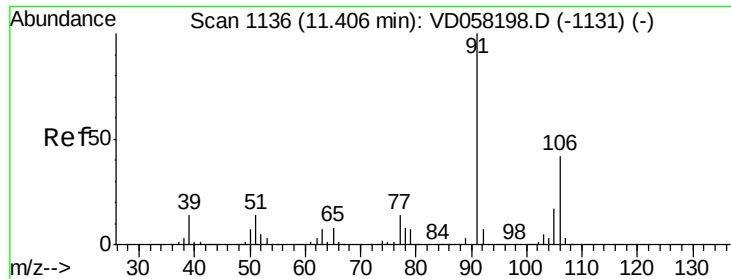
Tot Ion: 91 Resp: 4816291
Ion Ratio Lower Upper
91 100
106 28.6 22.0 33.0



#68
m/p-Xylenes
Concen: 768.203 ug/l
RT: 11.03 min Scan# 1097
Delta R.T. 0.01 min
Lab File: VD058222.D
Acq: 20 Jun 2018 21:01

Tgt Ion: 106 Resp: 5114580
Ion Ratio Lower Upper
106 100
91 229.3 185.0 277.6

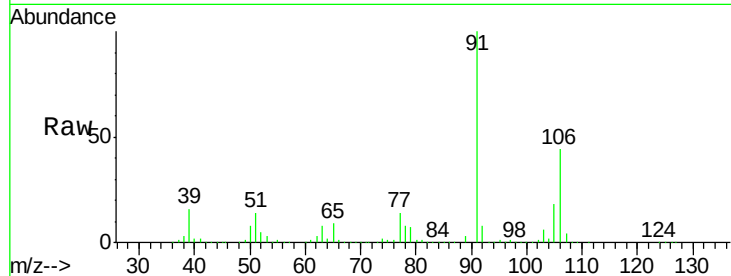




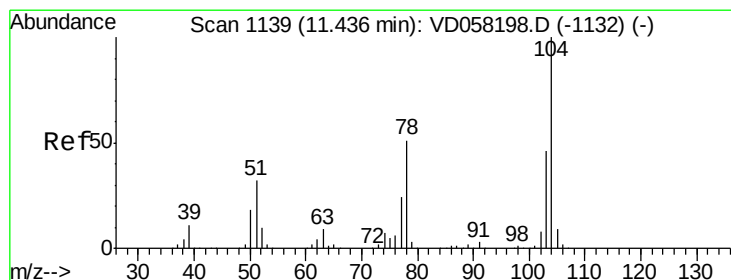
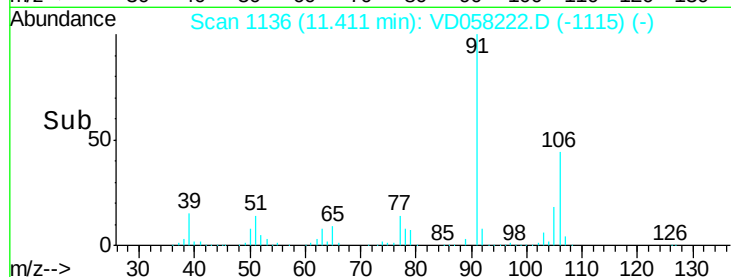
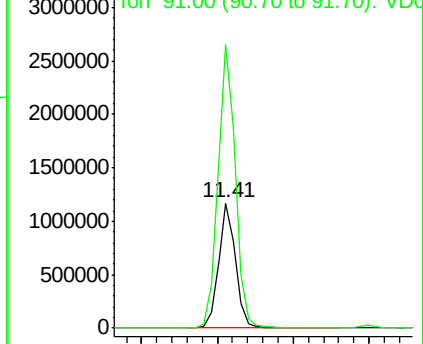
#69
o-Xylene
Concen: 285.813 ug/l
RT: 11.41 min Scan# 1136
Delta R.T. 0.01 min
Lab File: VD058222.D
Acq: 20 Jun 2018 21:01

Instrument :
MSVOA_D
ClientSampleId :
AREA1(S)MS

Tot Ion:106 Resp: 1817468
Ion Ratio Lower Upper
106 100
91 226.4 120.2 360.6

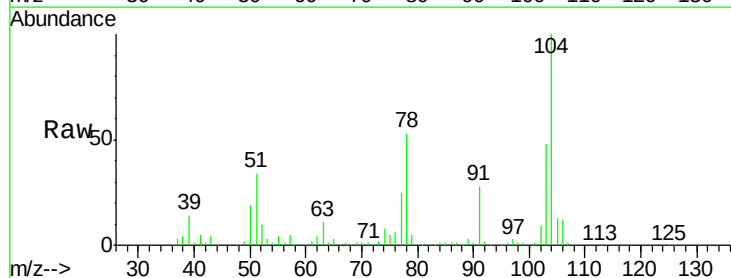


Abundance Ion 106.05 (105.75 to 106.75): V
Ion 91.00 (90.70 to 91.70): VDC

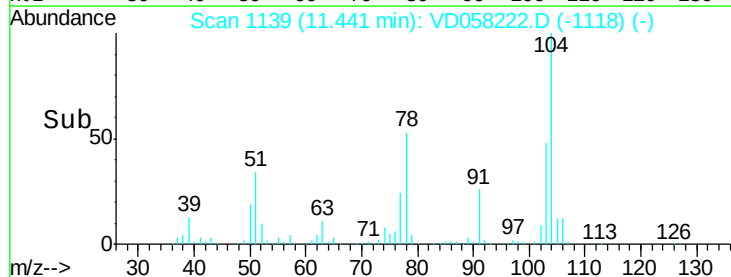
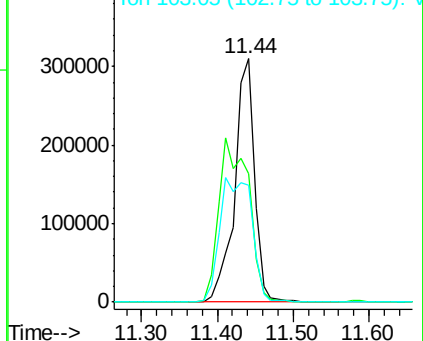


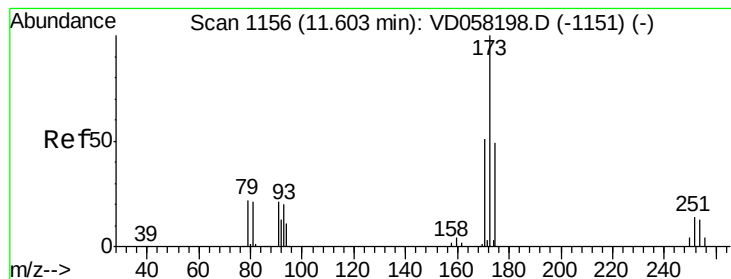
#70
Styrene
Concen: 51.455 ug/l
RT: 11.44 min Scan# 1139
Delta R.T. 0.01 min
Lab File: VD058222.D
Acq: 20 Jun 2018 21:01

Tgt Ion:104 Resp: 558337
Ion Ratio Lower Upper
104 100
78 52.6 40.8 61.2
103 47.8 37.0 55.6



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





#71

Bromoform

Concen: 44.791 ug/l

RT: 11.61 min Scan# 1156

Delta R.T. 0.01 min

Lab File: VD058222.D

Acq: 20 Jun 2018 21:01

Instrument :

MSVOA_D

ClientSampleId :

AREA1(S)MS

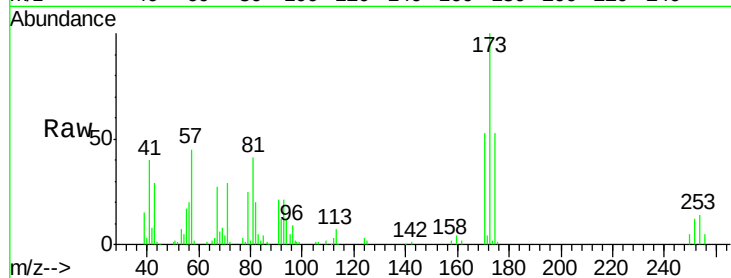
Tot Ion:173 Resp: 155932

Ion Ratio Lower Upper

173 100

175 52.6 24.6 74.0

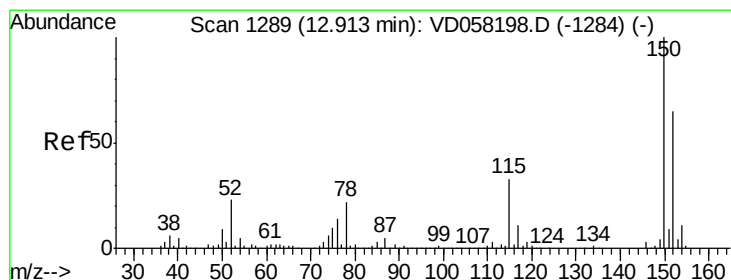
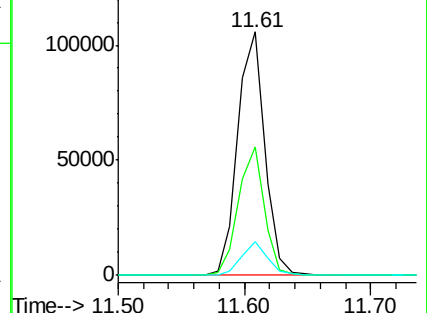
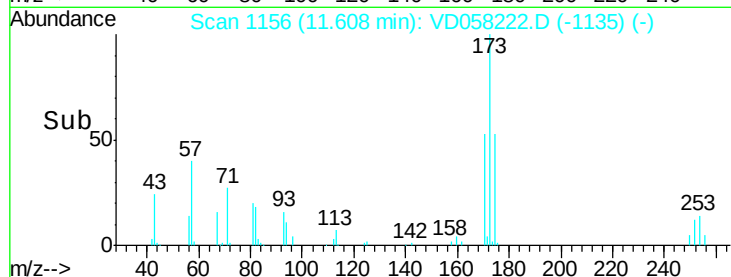
254 13.8 10.3 15.5



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: 50.000 ug/l

RT: 12.91 min Scan# 1288

Delta R.T. -0.00 min

Lab File: VD058222.D

Acq: 20 Jun 2018 21:01

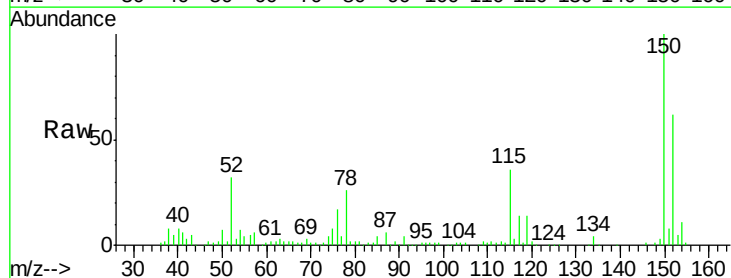
Tgt Ion:152 Resp: 174947

Ion Ratio Lower Upper

152 100

115 57.7 25.1 75.3

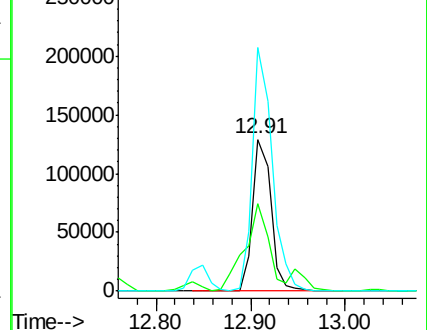
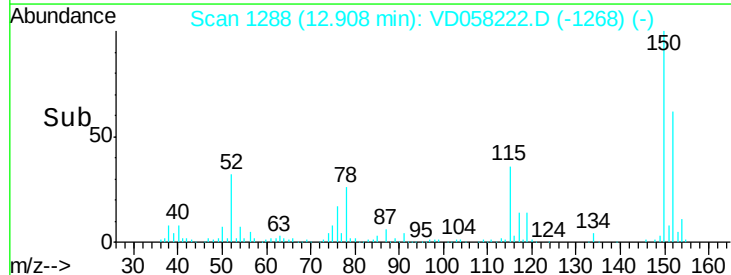
150 160.4 0.0 308.8

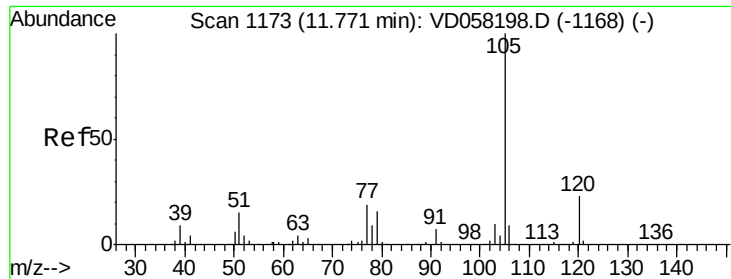


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 115.00 (114.70 to 115.70): V

Ion 149.90 (149.60 to 150.60): V

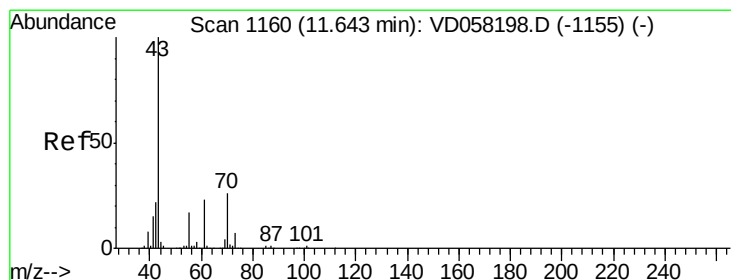
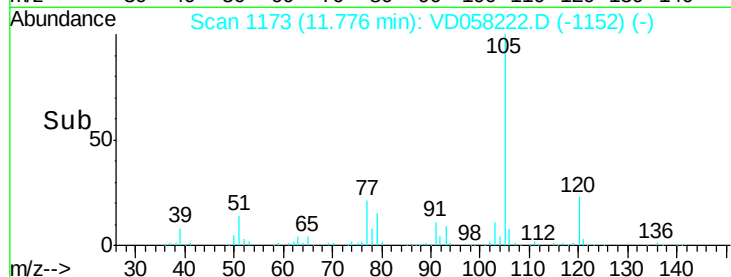
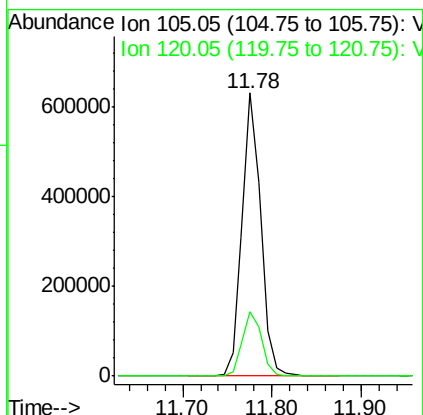
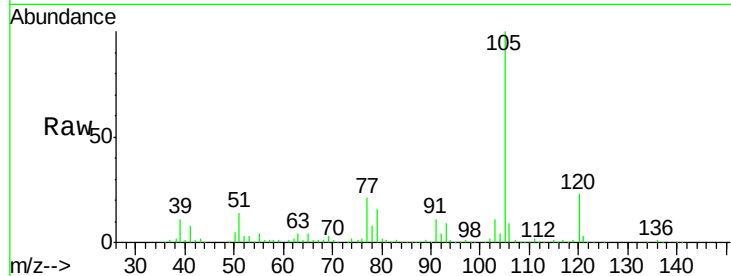




#73
Isopropylbenzene
Concen: 88.176 ug/l
RT: 11.78 min Scan# 1173
Delta R.T. 0.01 min
Lab File: VD058222.D
Acq: 20 Jun 2018 21:01

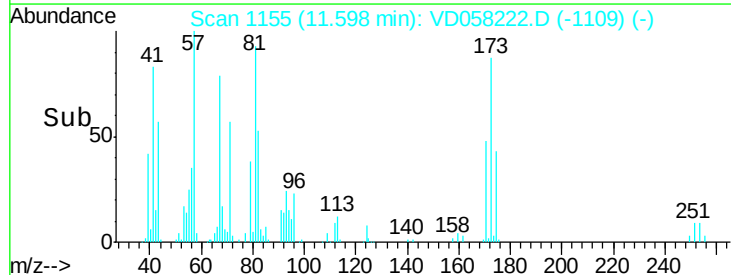
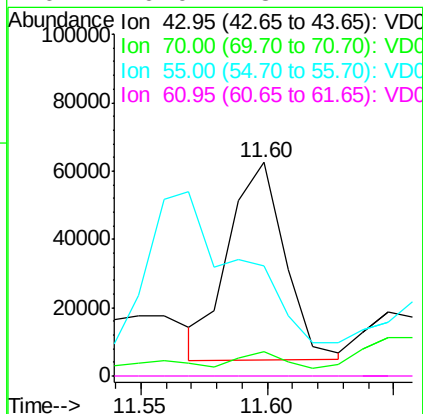
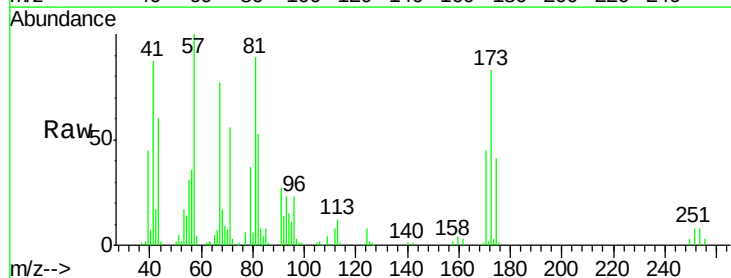
Instrument :
MSVOA_D
ClientSampleId :
AREA1(S)MS

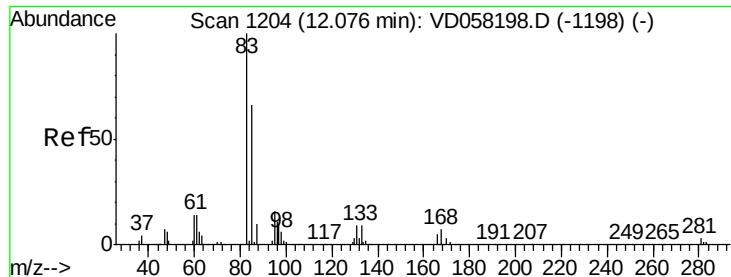
Tot Ion:105 Resp: 922705
Ion Ratio Lower Upper
105 100
120 22.6 11.6 34.8



#74
N-ethyl acetate
Concen: 22.126 ug/l
RT: 11.60 min Scan# 1155
Delta R.T. -0.04 min
Lab File: VD058222.D
Acq: 20 Jun 2018 21:01

Tgt Ion: 43 Resp: 89524
Ion Ratio Lower Upper
43 100
70 11.2 20.9 31.3#
55 51.5 13.5 20.3#
61 0.0 18.2 27.2#





#75

1,1,2,2-Tetrachloroethane

Concen: 12.031 ug/l

RT: 12.09 min Scan# 1205

Delta R.T. 0.01 min

Lab File: VD058222.D

Acq: 20 Jun 2018 21:01

Instrument :

MSVOA_D

ClientSampleId :

AREA1(S)MS

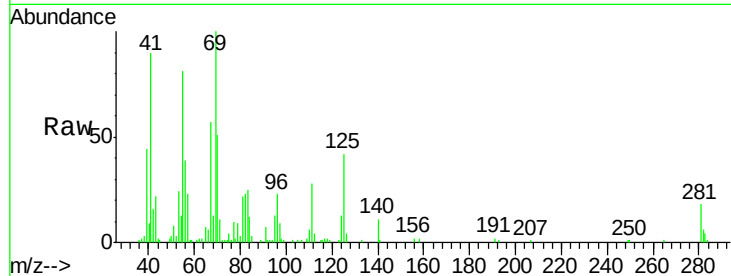
Tot Ion: 83 Resp: 29299

Ion Ratio Lower Upper

83 100

131 0.0 4.8 14.3#

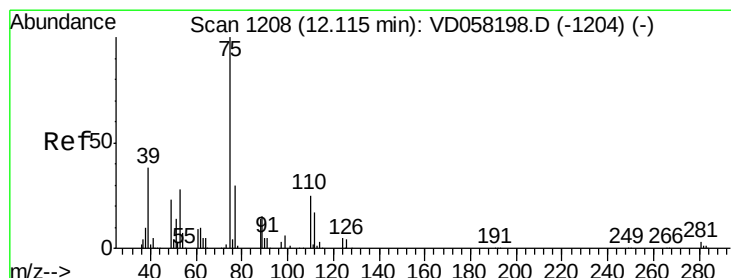
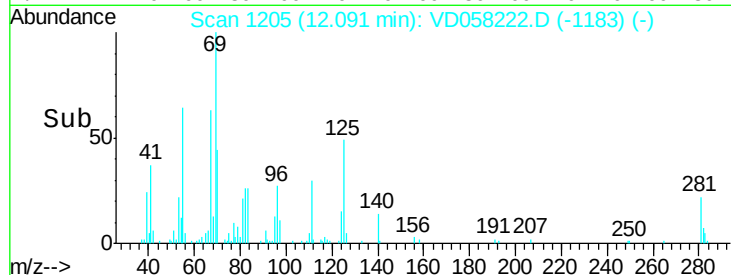
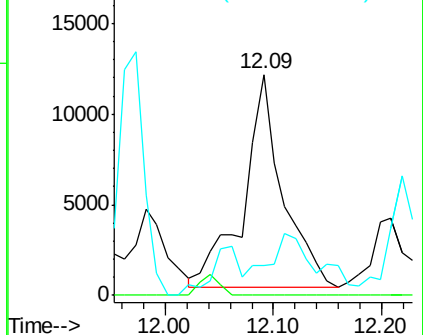
85 13.5 33.1 99.5#



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: 69.111 ug/l

RT: 12.12 min Scan# 1208

Delta R.T. 0.01 min

Lab File: VD058222.D

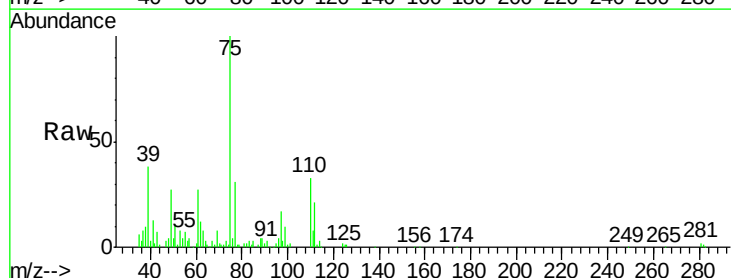
Acq: 20 Jun 2018 21:01

Tgt Ion: 75 Resp: 176529

Ion Ratio Lower Upper

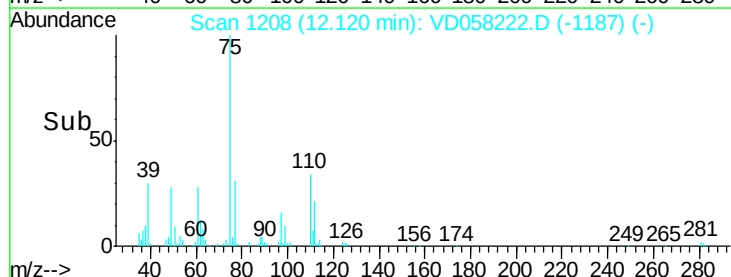
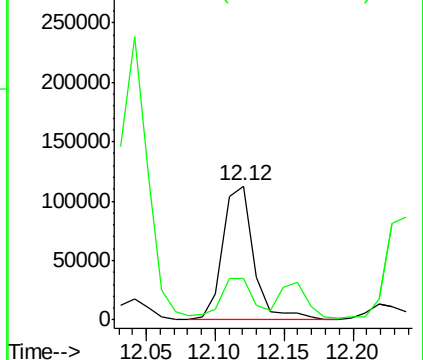
75 100

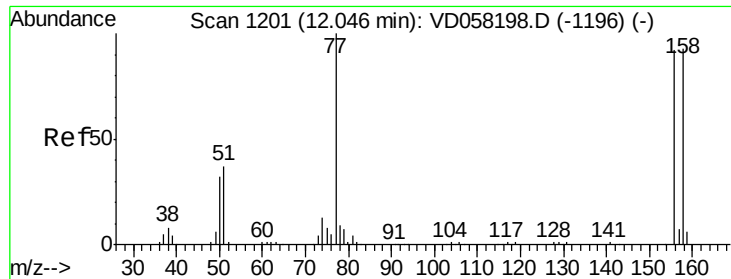
77 30.7 16.0 47.9



Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 76.95 (76.65 to 77.65): VDC

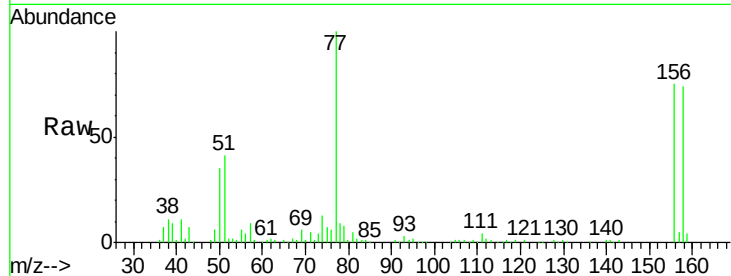




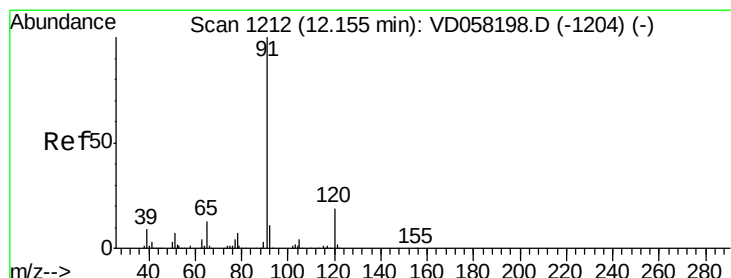
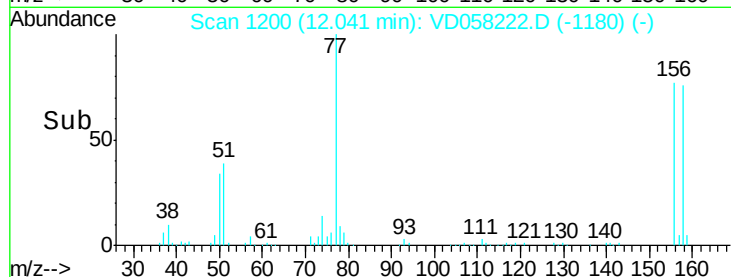
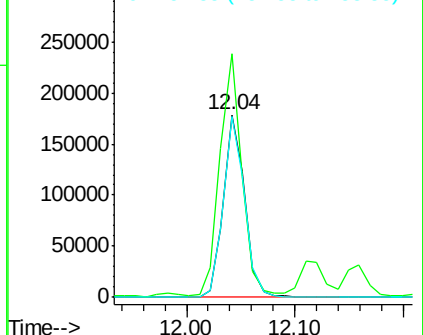
#77
Bromobenzene
Concen: 77.946 ug/l
RT: 12.04 min Scan# 1200
Delta R.T. -0.00 min
Lab File: VD058222.D
Acq: 20 Jun 2018 21:01

Instrument :
MSVOA_D
ClientSampleId :
AREA1(S)MS

Tot Ion:156 Resp: 244247
Ion Ratio Lower Upper
156 100
77 133.6 54.5 163.6
158 99.5 50.8 152.5

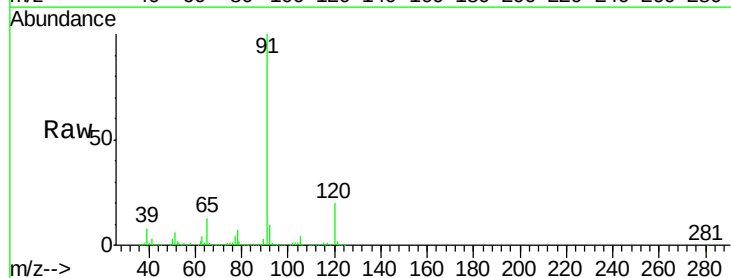


Abundance Ion 155.90 (155.60 to 156.60): V
Ion 76.95 (76.65 to 77.65): VDC
Ion 157.85 (157.55 to 158.55): V

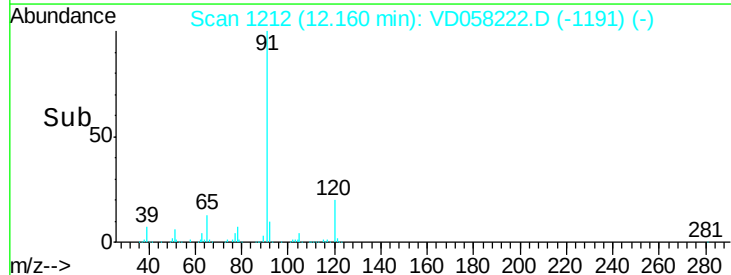
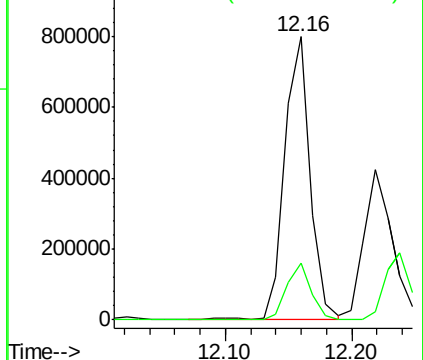


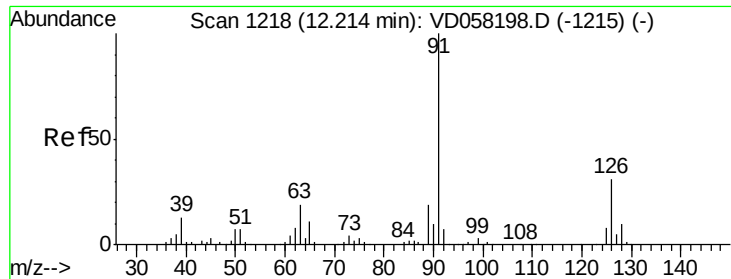
#78
n-propylbenzene
Concen: 82.737 ug/l
RT: 12.16 min Scan# 1212
Delta R.T. 0.01 min
Lab File: VD058222.D
Acq: 20 Jun 2018 21:01

Tgt Ion: 91 Resp: 1118075
Ion Ratio Lower Upper
91 100
120 20.1 9.7 29.1



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

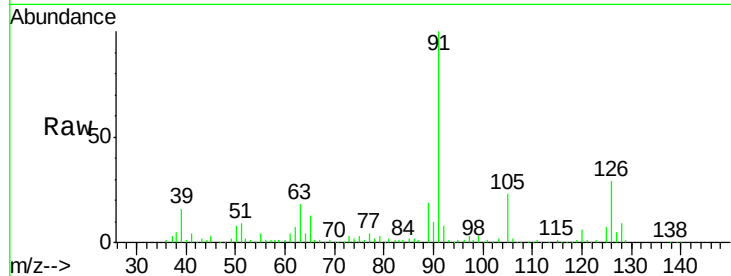




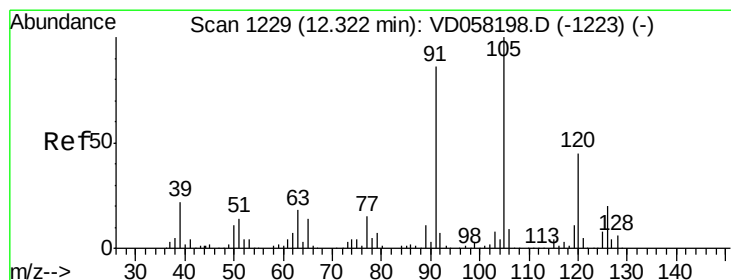
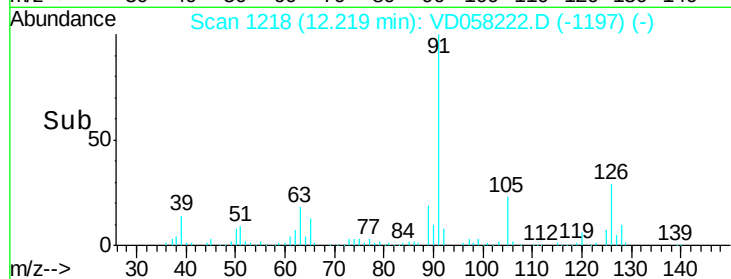
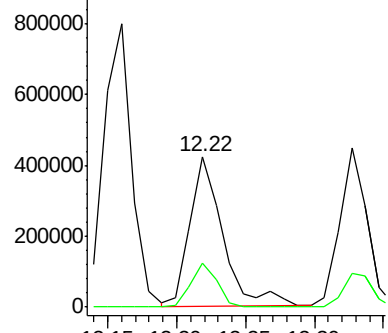
#79
 2-Chlorotoluene
 Concen: 90.380 ug/l
 RT: 12.22 min Scan# 1218
 Delta R.T. 0.01 min
 Lab File: VD058222.D
 Acq: 20 Jun 2018 21:01

Instrument :
 MSVOA_D
 ClientSampleId :
 AREA1(S)MS

Tot Ion: 91 Resp: 698911
 Ion Ratio Lower Upper
 91 100
 126 28.9 14.9 44.5

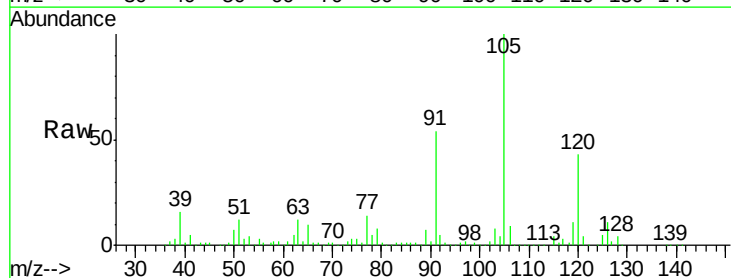


Abundance Ion 91.00 (90.70 to 91.70): VD058198.D (-1215) (-)
 Ion 125.95 (125.65 to 126.65): VD058198.D (-1215) (-)

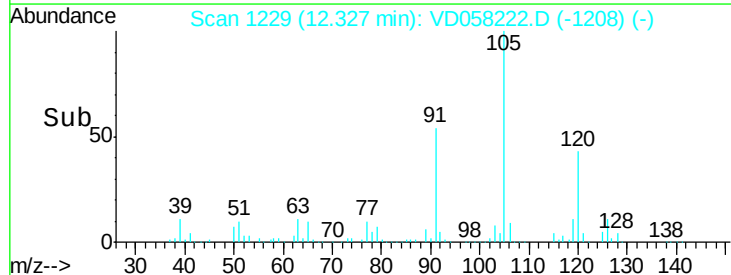
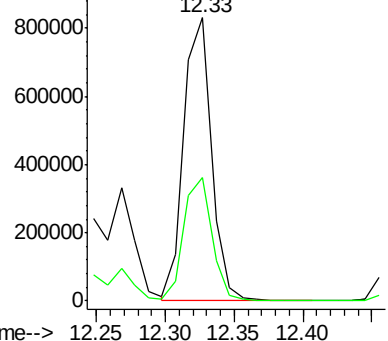


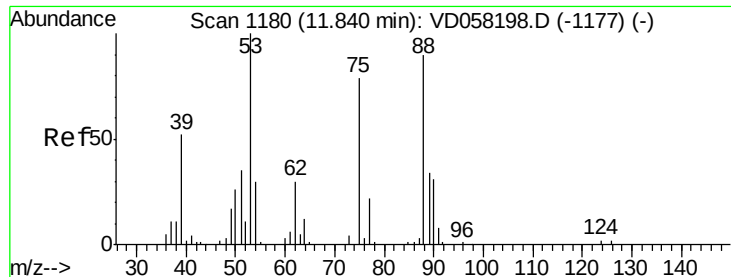
#80
 1,3,5-Trimethylbenzene
 Concen: 141.808 ug/l
 RT: 12.33 min Scan# 1229
 Delta R.T. 0.01 min
 Lab File: VD058222.D
 Acq: 20 Jun 2018 21:01

Tgt Ion: 105 Resp: 1157433
 Ion Ratio Lower Upper
 105 100
 120 43.4 22.5 67.5



Abundance Ion 105.05 (104.75 to 105.75): VD058198.D (-1223) (-)
 Ion 120.05 (119.75 to 120.75): VD058198.D (-1223) (-)

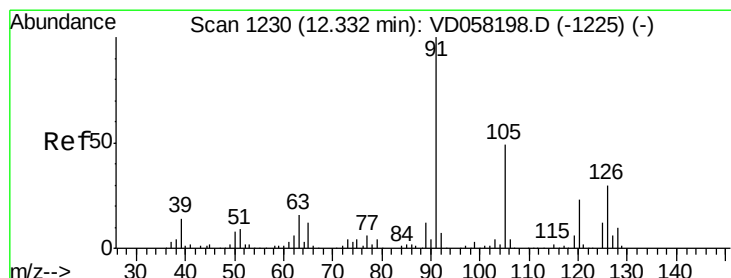
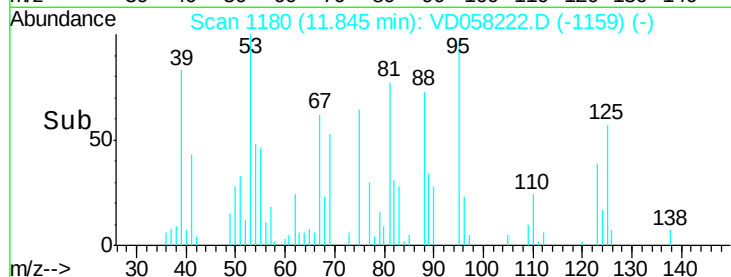
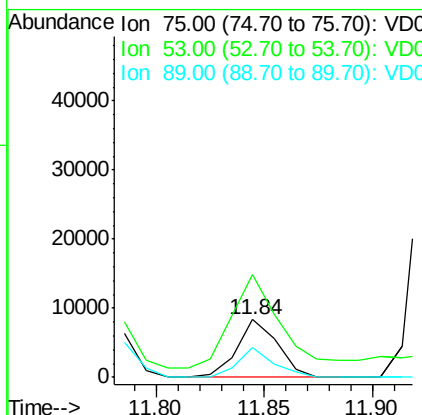
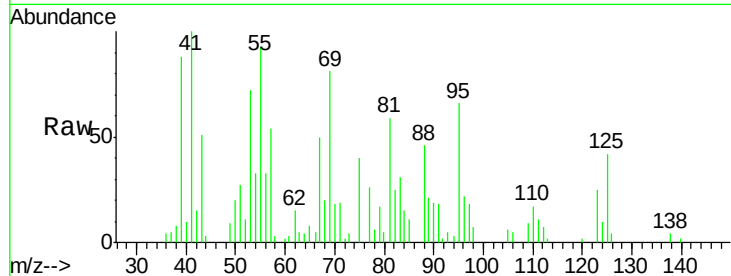




#81
trans-1,4-Dichloro-2-butene
Concen: 17.375 ug/l
RT: 11.84 min Scan# 1180
Delta R.T. 0.01 min
Lab File: VD058222.D
Acq: 20 Jun 2018 21:01

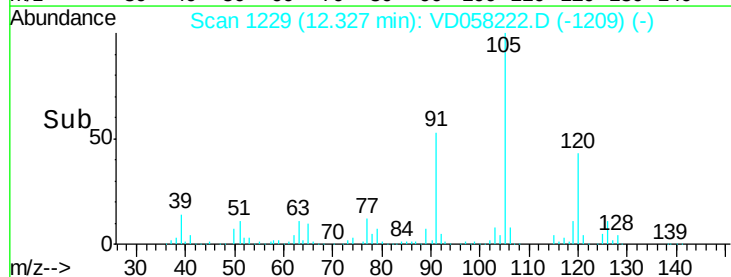
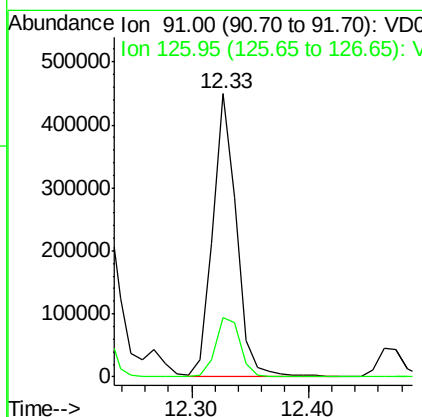
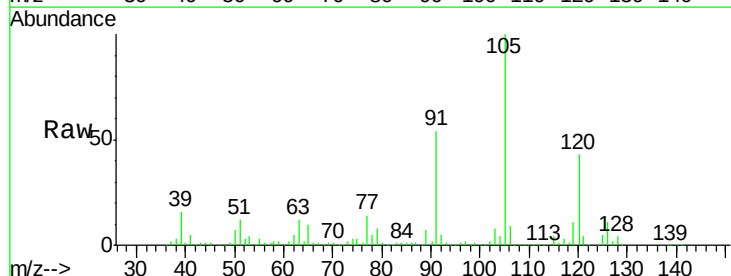
Instrument :
MSVOA_D
ClientSampleId :
AREA1(S)MS

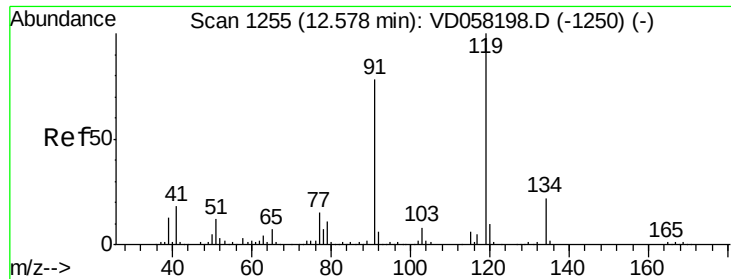
Tot Ion: 75 Resp: 10824
Ion Ratio Lower Upper
75 100
53 178.9 100.8 151.2#
89 52.7 34.6 52.0#



#82
4-Chlorotoluene
Concen: 86.568 ug/l
RT: 12.33 min Scan# 1229
Delta R.T. -0.00 min
Lab File: VD058222.D
Acq: 20 Jun 2018 21:01

Tgt Ion: 91 Resp: 622428
Ion Ratio Lower Upper
91 100
126 21.2 14.9 44.9

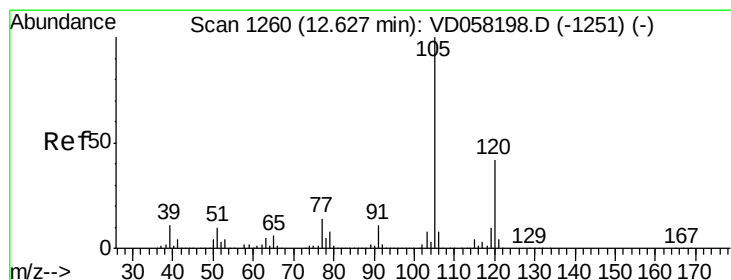
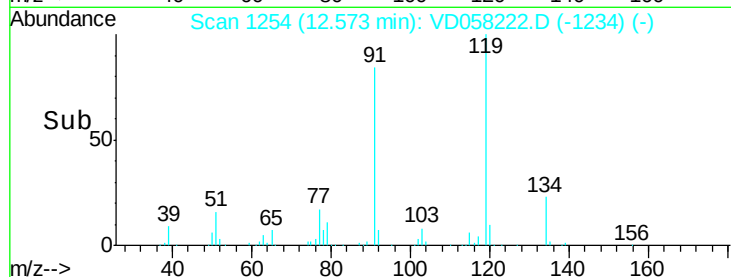
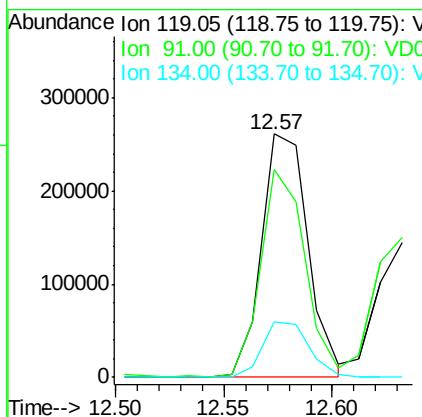
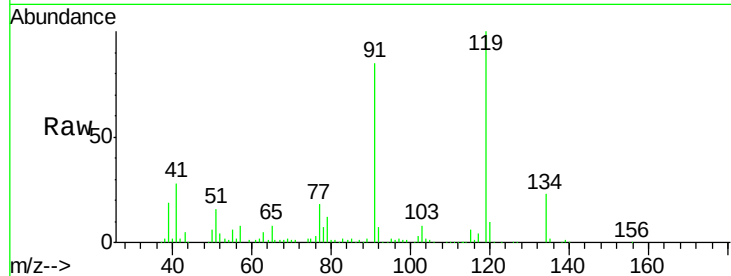




#83
 tert-Butylbenzene
 Concen: 41.534 ug/l
 RT: 12.57 min Scan# 1254
 Delta R.T. -0.00 min
 Lab File: VD058222.D
 Acq: 20 Jun 2018 21:01

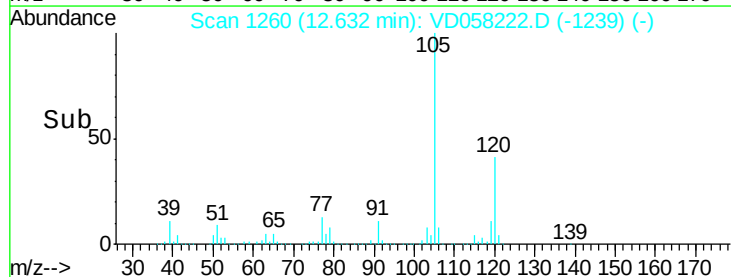
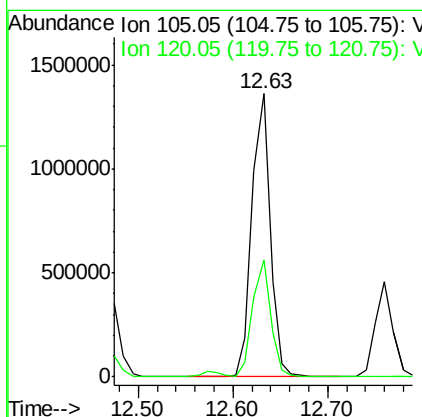
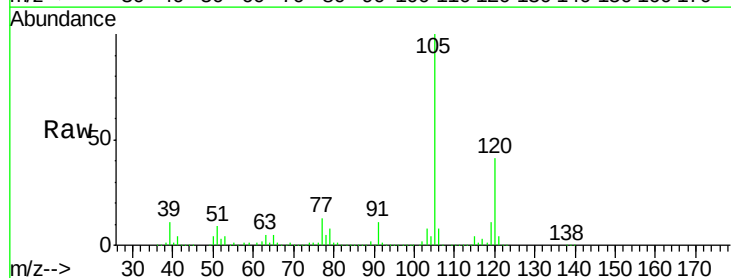
Instrument :
 MSVOA_D
 ClientSampleId :
 AREA1(S)MS

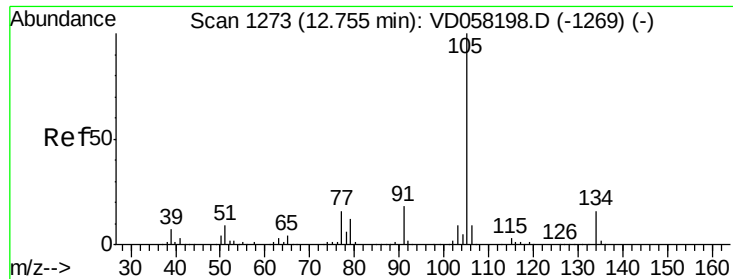
Tot Ion:119 Resp: 389741
 Ion Ratio Lower Upper
 119 100
 91 85.4 38.9 116.6
 134 22.6 11.2 33.5



#84
 1,2,4-Trimethylbenzene
 Concen: 206.577 ug/l
 RT: 12.63 min Scan# 1260
 Delta R.T. 0.01 min
 Lab File: VD058222.D
 Acq: 20 Jun 2018 21:01

Tgt Ion:105 Resp: 1832769
 Ion Ratio Lower Upper
 105 100
 120 41.2 20.8 62.4

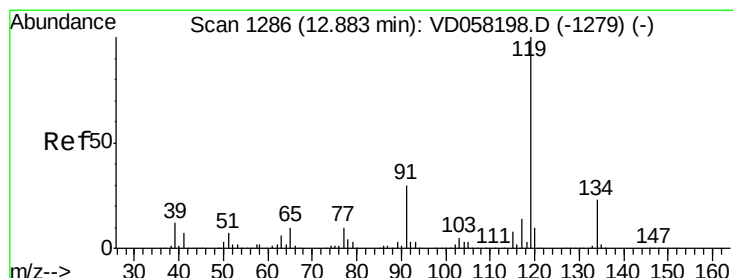
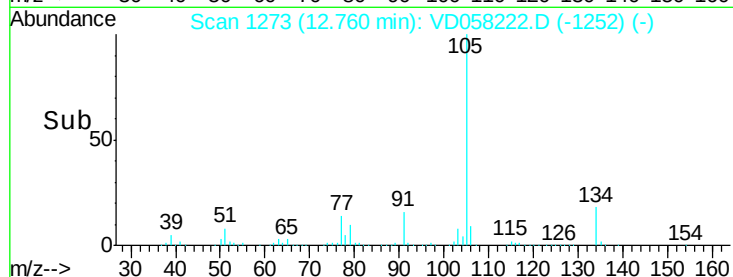
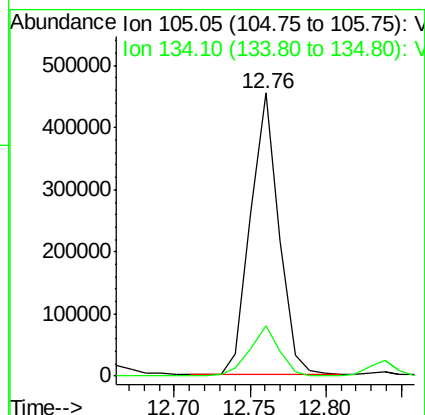
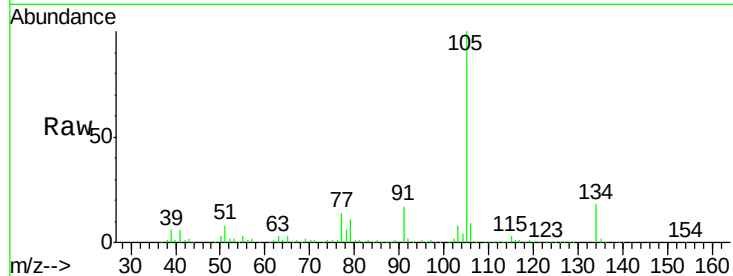




#85
 sec-Butylbenzene
 Concen: 54.067 ug/l
 RT: 12.76 min Scan# 1273
 Delta R.T. 0.01 min
 Lab File: VD058222.D
 Acq: 20 Jun 2018 21:01

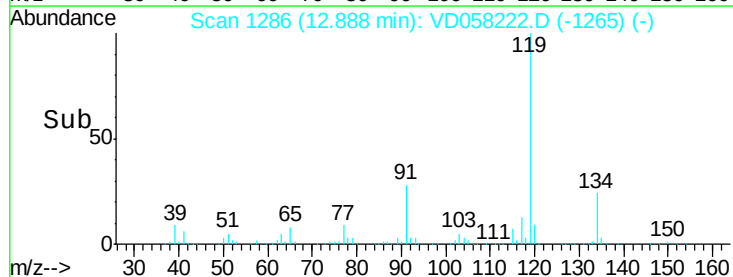
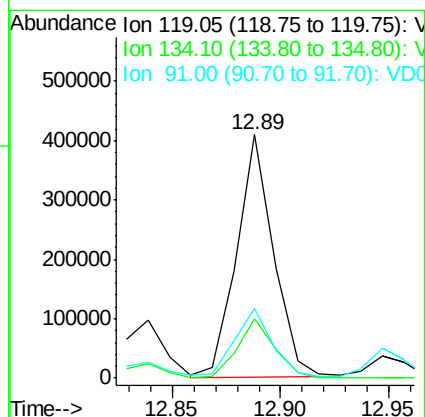
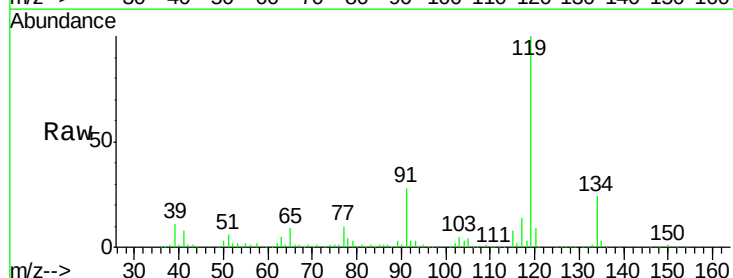
Instrument :
 MSVOA_D
 ClientSampleId :
 AREA1(S)MS

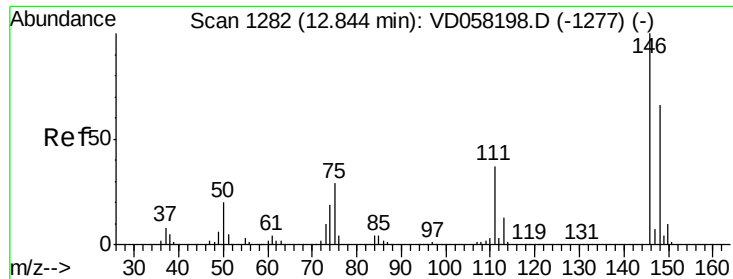
Tot Ion:105 Resp: 594684
 Ion Ratio Lower Upper
 105 100
 134 17.6 8.1 24.3



#86
 p-Isopropyltoluene
 Concen: 54.411 ug/l
 RT: 12.89 min Scan# 1286
 Delta R.T. 0.01 min
 Lab File: VD058222.D
 Acq: 20 Jun 2018 21:01

Tgt Ion:119 Resp: 484985
 Ion Ratio Lower Upper
 119 100
 134 24.1 11.6 34.8
 91 28.4 15.0 45.1

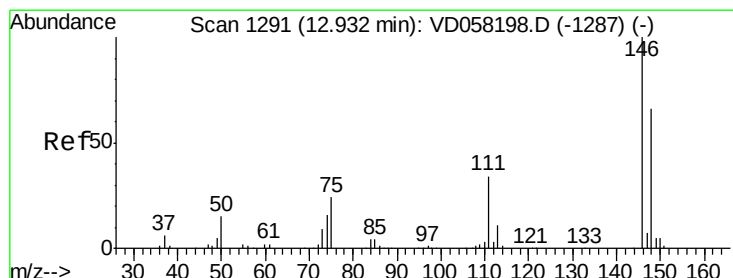
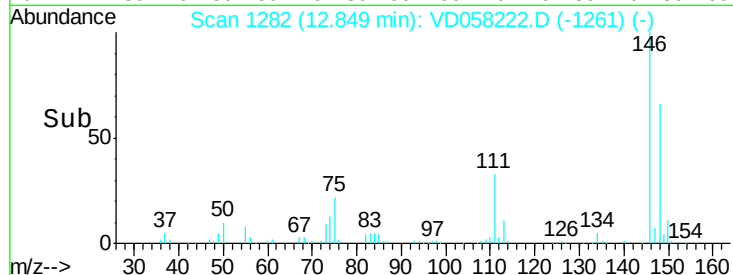
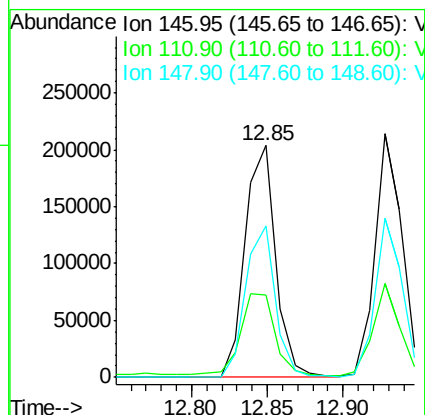
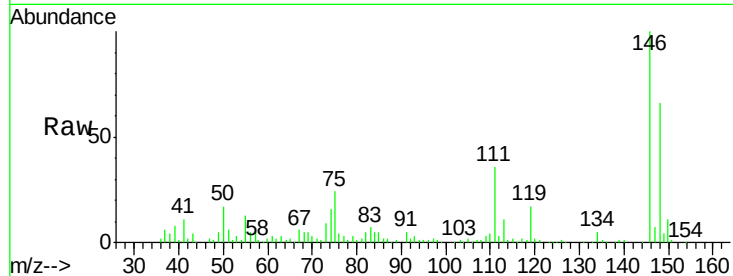




#87
 1,3-Dichlorobenzene
 Concen: 52.761 ug/l
 RT: 12.85 min Scan# 1282
 Delta R.T. 0.01 min
 Lab File: VD058222.D
 Acq: 20 Jun 2018 21:01

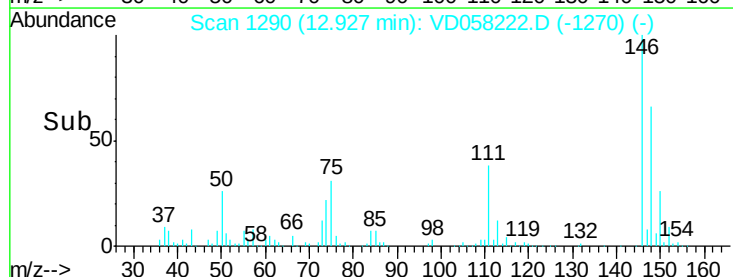
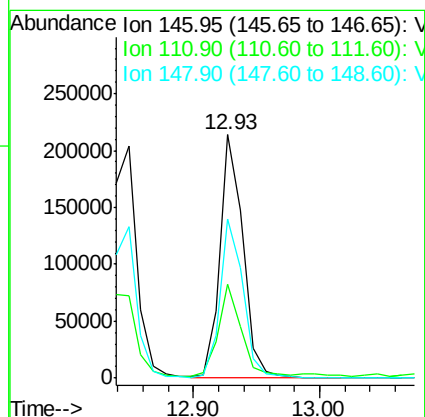
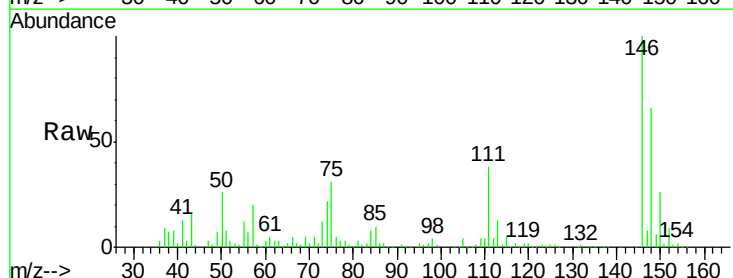
Instrument :
 MSVOA_D
 ClientSampleId :
 AREA1(S)MS

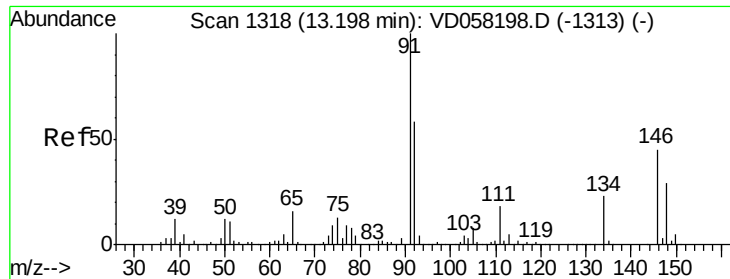
Tot Ion:146 Resp: 287359
 Ion Ratio Lower Upper
 146 100
 111 35.7 18.4 55.0
 148 65.6 32.8 98.4



#88
 1,4-Dichlorobenzene
 Concen: 50.962 ug/l
 RT: 12.93 min Scan# 1290
 Delta R.T. -0.00 min
 Lab File: VD058222.D
 Acq: 20 Jun 2018 21:01

Tgt Ion:146 Resp: 271040
 Ion Ratio Lower Upper
 146 100
 111 38.5 17.2 51.5
 148 65.6 33.1 99.3

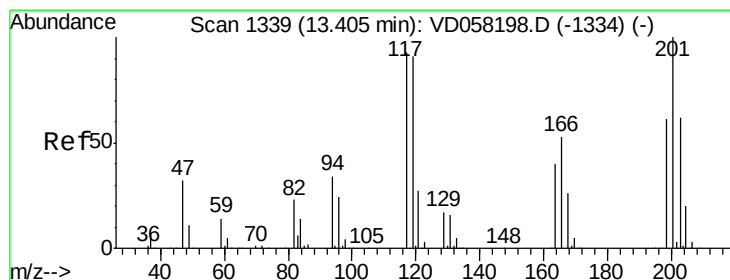
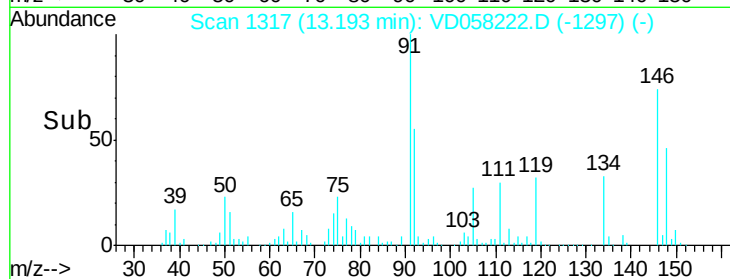
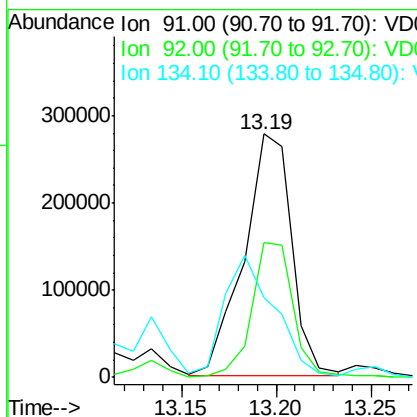
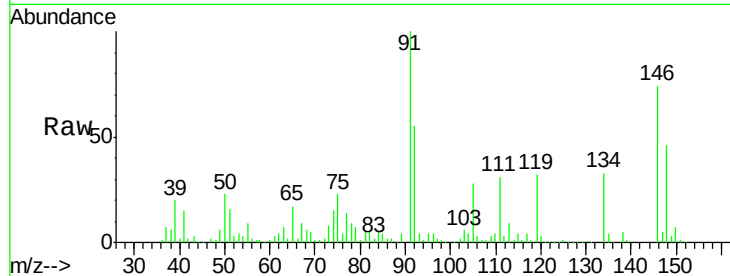




#89
n-Butylbenzene
Concen: 52.176 ug/l
RT: 13.19 min Scan# 1317
Delta R.T. -0.00 min
Lab File: VD058222.D
Acq: 20 Jun 2018 21:01

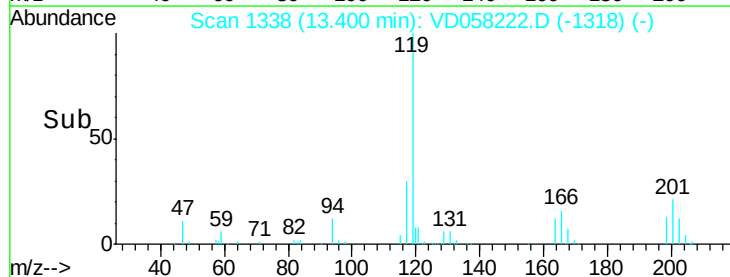
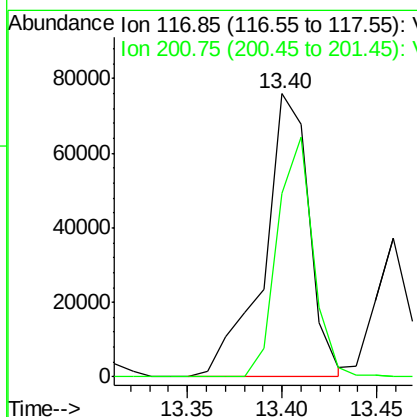
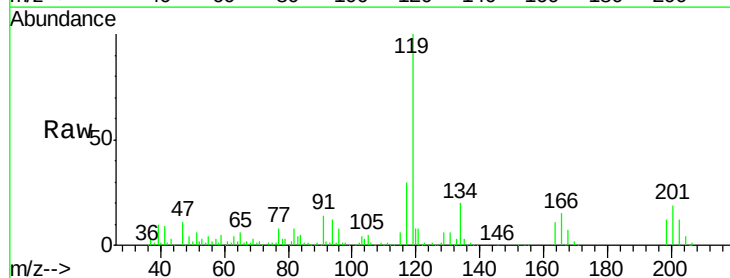
Instrument :
MSVOA_D
ClientSampleId :
AREA1(S)MS

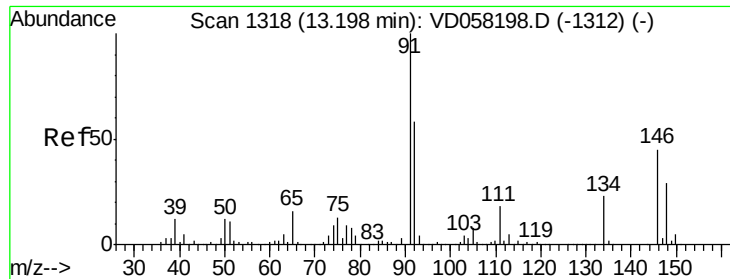
Tot Ion: 91 Resp: 488768
Ion Ratio Lower Upper
91 100
92 55.3 29.2 87.6
134 33.0 11.3 33.8



#90
Hexachloroethane
Concen: 54.700 ug/l
RT: 13.40 min Scan# 1338
Delta R.T. -0.00 min
Lab File: VD058222.D
Acq: 20 Jun 2018 21:01

Tgt Ion: 117 Resp: 126547
Ion Ratio Lower Upper
117 100
201 65.1 53.8 161.4

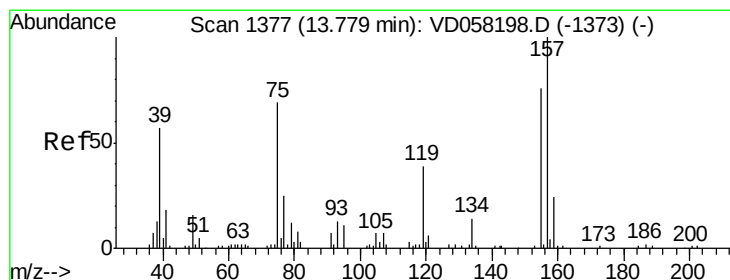
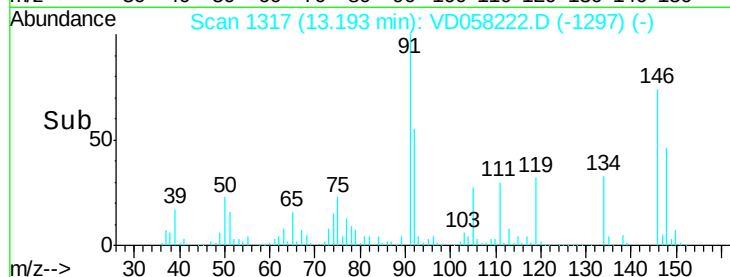
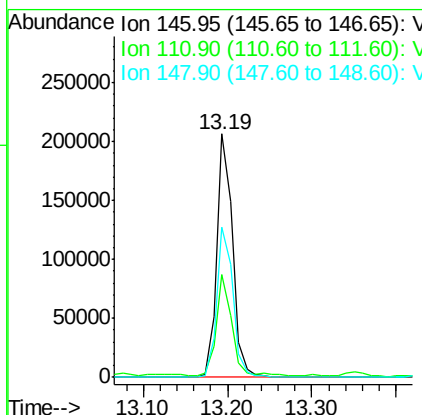
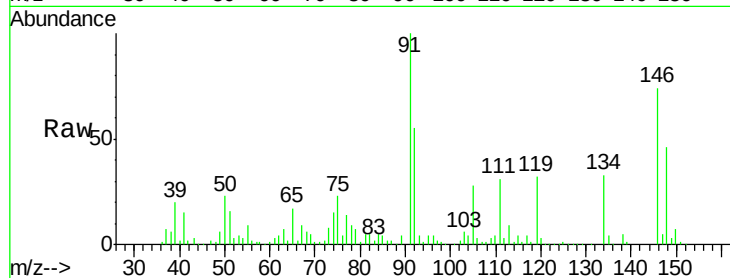




#91
 1,2-Dichlorobenzene
 Concen: 57.702 ug/l
 RT: 13.19 min Scan# 1317
 Delta R.T. -0.00 min
 Lab File: VD058222.D
 Acq: 20 Jun 2018 21:01

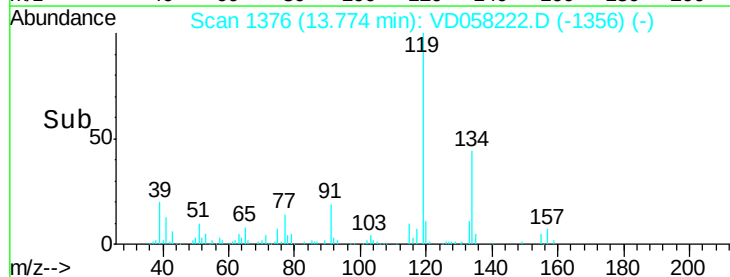
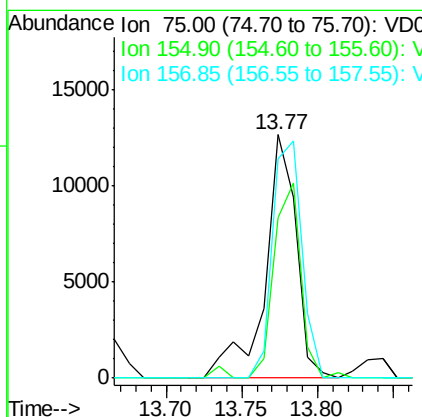
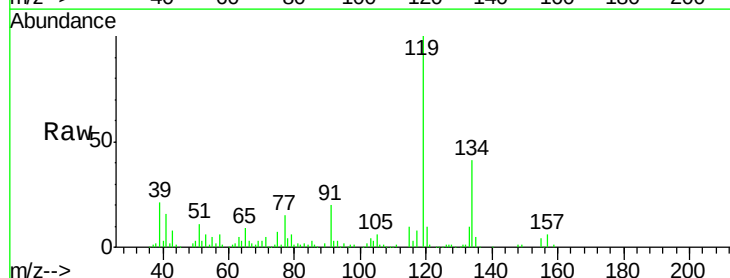
Instrument :
 MSVOA_D
 ClientSampleId :
 AREA1(S)MS

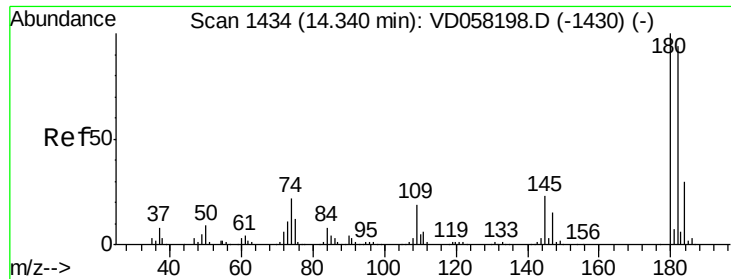
Tot Ion:146 Resp: 267440
 Ion Ratio Lower Upper
 146 100
 111 42.0 19.6 58.7
 148 61.8 32.0 96.2



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 47.650 ug/l
 RT: 13.77 min Scan# 1376
 Delta R.T. -0.00 min
 Lab File: VD058222.D
 Acq: 20 Jun 2018 21:01

Tgt Ion: 75 Resp: 18467
 Ion Ratio Lower Upper
 75 100
 155 65.7 54.5 163.5
 157 90.2 72.0 215.9

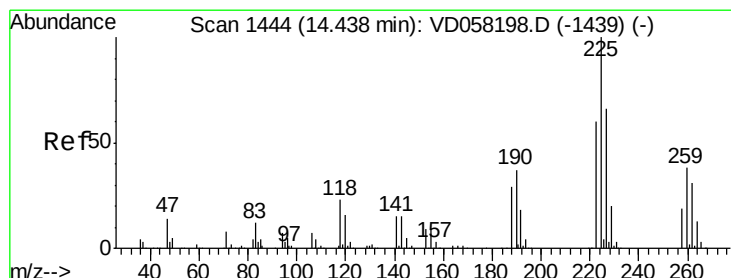
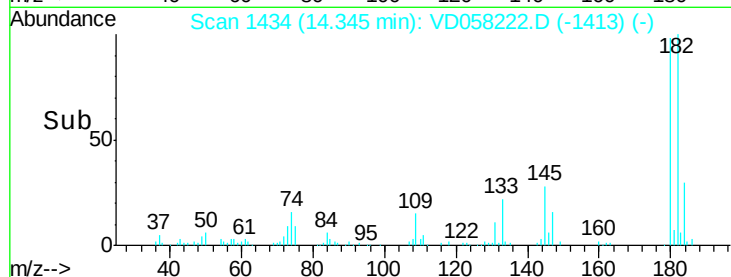
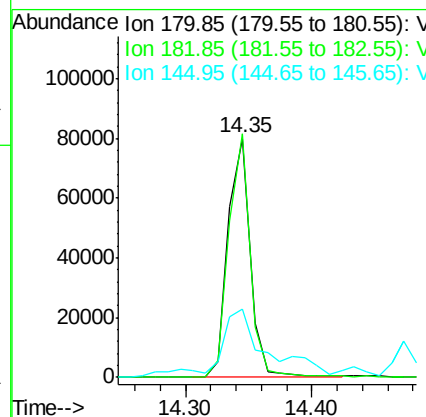
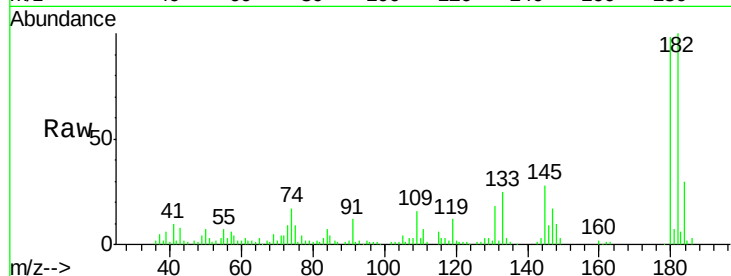




#93
 1,2,4-Trichlorobenzene
 Concen: 22.238 ug/l
 RT: 14.35 min Scan# 1434
 Delta R.T. 0.01 min
 Lab File: VD058222.D
 Acq: 20 Jun 2018 21:01

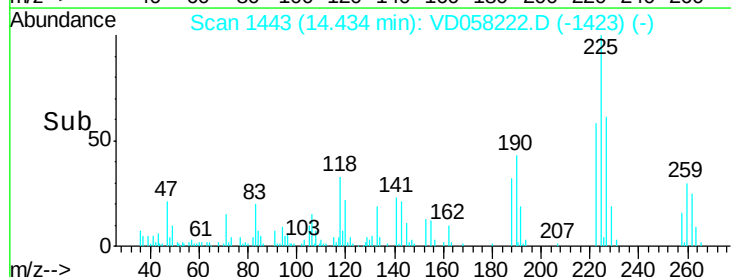
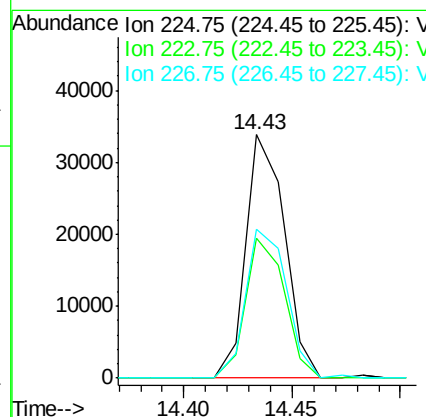
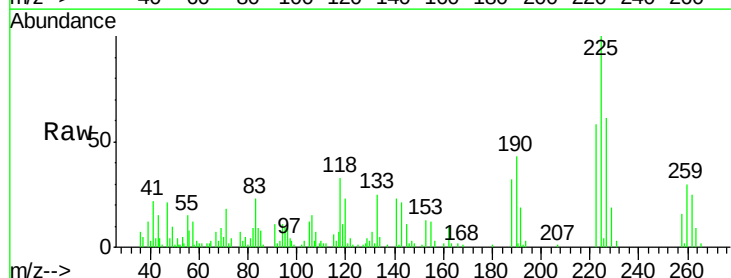
Instrument :
 MSVOA_D
 ClientSampleId :
 AREA1(S)MS

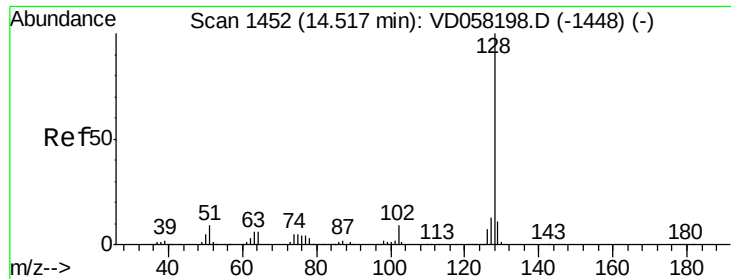
Tot Ion:180 Resp: 98580
 Ion Ratio Lower Upper
 180 100
 182 102.1 47.1 141.3
 145 28.6 11.7 35.0



#94
 Hexachlorobutadiene
 Concen: 12.118 ug/l
 RT: 14.43 min Scan# 1443
 Delta R.T. -0.00 min
 Lab File: VD058222.D
 Acq: 20 Jun 2018 21:01

Tgt Ion:225 Resp: 42017
 Ion Ratio Lower Upper
 225 100
 223 55.3 30.1 90.3
 227 58.4 33.0 98.9

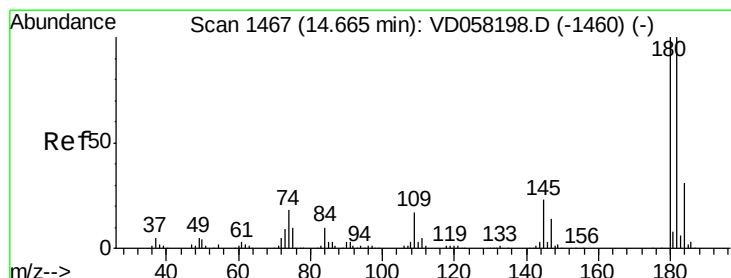
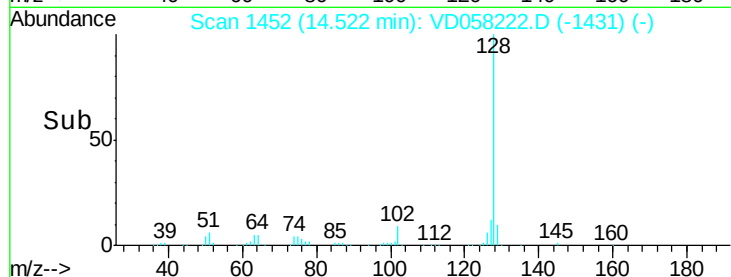
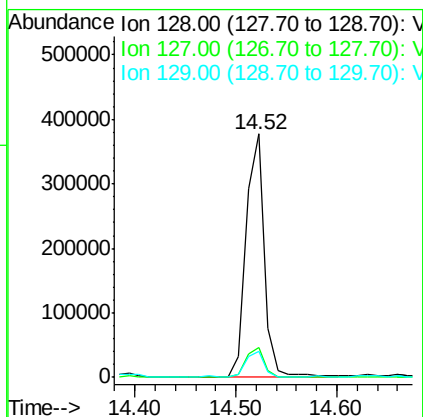
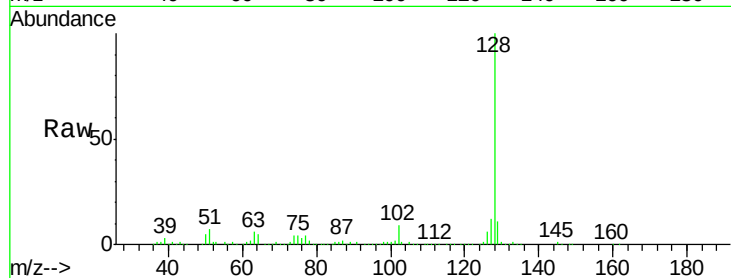




#95
Naphthalene
Concen: 82.667 ug/l
RT: 14.52 min Scan# 1452
Delta R.T. 0.01 min
Lab File: VD058222.D
Acq: 20 Jun 2018 21:01

Instrument :
MSVOA_D
ClientSampleId :
AREA1(S)MS

Tot Ion:128 Resp: 482708
Ion Ratio Lower Upper
128 100
127 12.2 10.0 15.0
129 10.8 8.7 13.1



#96
1,2,3-Trichlorobenzene
Concen: 21.963 ug/l
RT: 14.66 min Scan# 1466
Delta R.T. -0.00 min
Lab File: VD058222.D
Acq: 20 Jun 2018 21:01

Tgt Ion:180 Resp: 85232
Ion Ratio Lower Upper
180 100
182 94.5 49.9 149.6
145 39.1 11.7 35.1#

