

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD091018\
 Data File : VD059987.D
 Acq On : 10 Sep 2018 12:30
 Operator : JC/SY
 Sample : VD0910SBS01
 Misc : 5.00g/5ml/MSVOA D/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Sep 10 13:40:54 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D082218S.M
 Quant Title : SW846 8260
 QLast Update : Thu Aug 23 03:03:08 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	6.39	168	1401755	50.00	ug/l	-0.02
34) 1,4-Difluorobenzene	7.44	114	1929697	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.28	117	1573065	50.00	ug/l	-0.02
72) 1,4-Dichlorobenzene-d4	13.37	152	844158	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.78	65	549796	46.53	ug/l	-0.02
Spiked Amount	50.000		Recovery	=	93.06%	
35) Dibromofluoromethane	6.32	113	737914	48.77	ug/l	-0.02
Spiked Amount	50.000		Recovery	=	97.54%	
50) Toluene-d8	9.44	98	2048032	48.78	ug/l	-0.02
Spiked Amount	50.000		Recovery	=	97.56%	
62) 4-Bromofluorobenzene	12.43	95	797380	46.76	ug/l	0.00
Spiked Amount	50.000		Recovery	=	93.52%	

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.58	85	198841	15.869	ug/l 99
3) Chloromethane	1.75	50	196245	17.288	ug/l 99
4) Vinyl Chloride	1.85	62	171793	19.301	ug/l 94
5) Bromomethane	2.13	94	17313	11.266	ug/l 91
6) Chloroethane	2.24	64	43669	13.439	ug/l 94
7) Trichlorofluoromethane	2.50	101	206269	20.032	ug/l 99
8) Diethyl Ether	2.82	74	47058	20.371	ug/l 81
9) 1,1,2-Trichlorotrifluoroet	3.08	101	151729	24.061	ug/l 94
10) Methyl Iodide	3.24	142	110694	18.802	ug/l 94
11) Tert butyl alcohol	3.96	59	71614	79.440	ug/l 99
12) 1,1-Dichloroethene	3.06	96	113102	23.039	ug/l 90
13) Acrolein	2.97	56	21301	54.479	ug/l 98
14) Allyl chloride	3.52	41	243073	21.887	ug/l 99
15) Acrylonitrile	4.07	53	327034	96.875	ug/l 98
16) Acetone	3.15	43	216223	100.452	ug/l 97
17) Carbon Disulfide	3.30	76	249128	16.349	ug/l 99
18) Methyl Acetate	3.54	43	77176	17.175	ug/l 95
19) Methyl tert-butyl Ether	4.11	73	531464	19.137	ug/l 100
20) Methylene Chloride	3.71	84	324408	20.376	ug/l 97
21) trans-1,2-Dichloroethene	4.08	96	254201	18.794	ug/l 95
22) Diisopropyl ether	4.84	45	1138034	20.093	ug/l 96
23) Vinyl Acetate	4.79	43	3126664	98.750	ug/l 100
24) 1,1-Dichloroethane	4.74	63	486985	19.902	ug/l 99
25) 2-Butanone	5.61	43	507242	79.567	ug/l 96
26) 2,2-Dichloropropane	5.58	77	406425	19.869	ug/l 99
27) cis-1,2-Dichloroethene	5.58	96	301825	20.381	ug/l 98
28) Bromochloromethane	5.91	49	231621	19.751	ug/l 93
29) Tetrahydrofuran	5.94	42	263205	86.723	ug/l 97
30) Chloroform	6.09	83	515304	20.722	ug/l 99
31) Cyclohexane	6.35	56	383471	17.047	ug/l 98
32) 1,1,1-Trichloroethane	6.29	97	413509	19.593	ug/l 97
36) 1,1-Dichloropropene	6.51	75	342689	19.590	ug/l 98
37) Ethyl Acetate	5.69	43	242683	17.828	ug/l 99
38) Carbon Tetrachloride	6.49	117	346527	19.630	ug/l 99

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 Quant Title : SW846 8260
 QLast Update : Thu Aug 23 03:03:08 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	8.03	83	343182	18.158	ug/l	98
40) Benzene	6.79	78	915997	20.138	ug/l	98
41) Methacrylonitrile	5.93	41	279111	40.705	ug/l #	84
42) 1,2-Dichloroethane	6.89	62	280073	19.181	ug/l	99
43) Isopropyl Acetate	8.34	43	323046	18.242	ug/l #	99
44) Trichloroethene	7.73	130	266014	19.863	ug/l	99
45) 1,2-Dichloropropane	8.10	63	250980	19.741	ug/l	96
46) Dibromomethane	8.20	93	154142	18.856	ug/l	99
47) Bromodichloromethane	8.48	83	361019	19.508	ug/l	100
48) Methyl methacrylate	8.23	41	182639	17.692	ug/l	98
49) 1,4-Dioxane	8.22	88	34052	369.473	ug/l	90
51) 4-Methyl-2-Pentanone	9.34	43	1060996	80.364	ug/l	96
52) Toluene	9.54	92	596082	20.437	ug/l	99
53) t-1,3-Dichloropropene	9.92	75	329516	19.251	ug/l	100
54) cis-1,3-Dichloropropene	9.09	75	391627	19.733	ug/l	100
55) 1,1,2-Trichloroethane	10.17	97	208749	19.580	ug/l	97
56) Ethyl methacrylate	10.03	69	224249	18.225	ug/l	97
57) 1,3-Dichloropropane	10.38	76	322650	20.909	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.91	63	622265	105.423	ug/l	99
59) 2-Hexanone	10.49	43	804532	82.619	ug/l	99
60) Dibromochloromethane	10.64	129	255707	19.082	ug/l	98
61) 1,2-Dibromoethane	10.75	107	206184	19.127	ug/l	95
64) Tetrachloroethene	10.24	164	240815	19.798	ug/l	99
65) Chlorobenzene	11.30	112	677025	21.658	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.41	131	248158	21.729	ug/l	98
67) Ethyl Benzene	11.42	91	1156785	21.996	ug/l	99
68) m/p-Xylenes	11.56	106	856506	44.732	ug/l	97
69) o-Xylene	11.93	106	403738	21.559	ug/l	99
70) Styrene	11.95	104	703193	21.686	ug/l	99
71) Bromoform	12.11	173	180816	18.299	ug/l	99
73) Isopropylbenzene	12.27	105	1151250	21.364	ug/l	99
74) N-amyl acetate	12.13	43	429114	18.187	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.55	83	239954	19.251	ug/l	99
76) 1,2,3-Trichloropropane	12.59	75	247145	18.837	ug/l	99
77) Bromobenzene	12.53	156	318177	21.297	ug/l	95
78) n-propylbenzene	12.63	91	1473354	21.593	ug/l	100
79) 2-Chlorotoluene	12.70	91	804373	20.845	ug/l	100
80) 1,3,5-Trimethylbenzene	12.79	105	927512	21.650	ug/l	98
81) trans-1,4-Dichloro-2-buten	12.34	75	69731	17.086	ug/l	97
82) 4-Chlorotoluene	12.81	91	954983	21.697	ug/l	98
83) tert-Butylbenzene	13.05	119	1055272	21.623	ug/l	98
84) 1,2,4-Trimethylbenzene	13.09	105	941684	21.088	ug/l	99
85) sec-Butylbenzene	13.21	105	1258957	21.936	ug/l	99
86) p-Isopropyltoluene	13.34	119	1003932	21.509	ug/l	99
87) 1,3-Dichlorobenzene	13.31	146	569230	21.341	ug/l	98
88) 1,4-Dichlorobenzene	13.39	146	578502	21.738	ug/l	97
89) n-Butylbenzene	13.65	91	1063406	21.176	ug/l	98
90) Hexachloroethane	13.85	117	244808	19.533	ug/l	99
91) 1,2-Dichlorobenzene	13.66	146	491208	21.658	ug/l	97
92) 1,2-Dibromo-3-Chloropropan	14.23	75	30936	16.143	ug/l	84

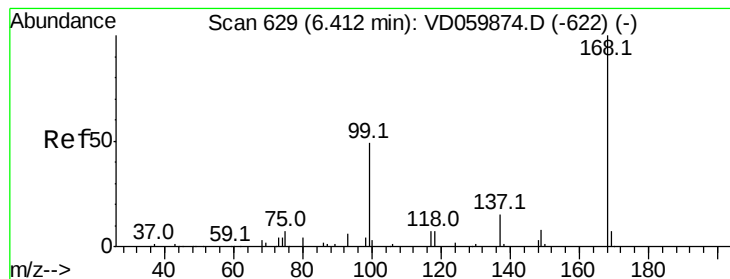
Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD091018\
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.79	180	401207	20.661	ug/l	97
94) Hexachlorobutadiene	14.88	225	267716	21.032	ug/l	99
95) Naphthalene	14.97	128	560412	18.885	ug/l	99
96) 1,2,3-Trichlorobenzene	15.11	180	332452	20.018	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 6.39 min Scan# 495

Delta R.T. -0.02 min

Lab File: VD059987.D

Acq: 10 Sep 2018 12:30

Instrument :

MSVOA_D

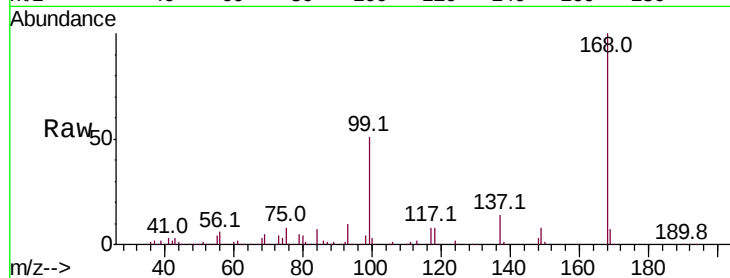
ClientSampleId :

Tot Ion:168 Resp: 1401755

Ion Ratio Lower Upper

168 100

99 51.5 42.2 63.2



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC

6.39

500000

400000

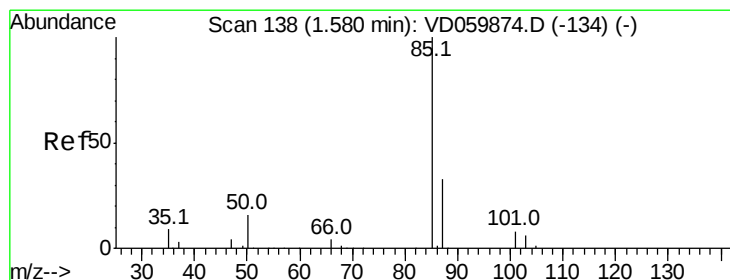
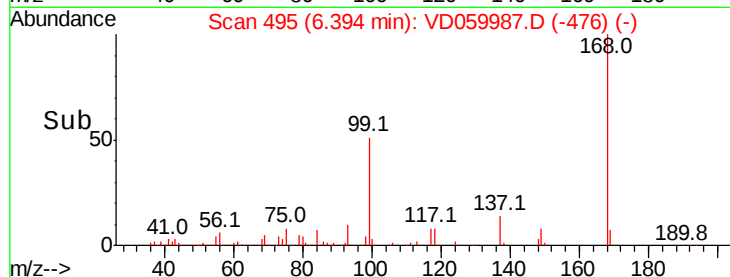
300000

200000

100000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 15.869 ug/l

RT: 1.58 min Scan# 6

Delta R.T. 0.00 min

Lab File: VD059987.D

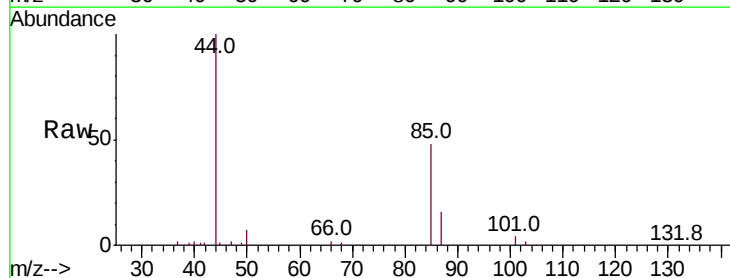
Acq: 10 Sep 2018 12:30

Tgt Ion: 85 Resp: 198841

Ion Ratio Lower Upper

85 100

87 32.7 16.8 50.3



Abundance Ion 84.95 (84.65 to 85.65): VDC

Ion 86.90 (86.60 to 87.60): VDC

1.58

80000

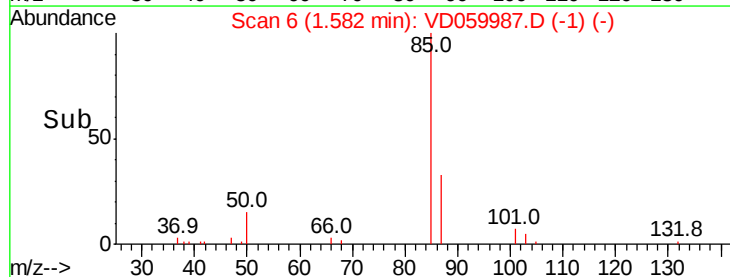
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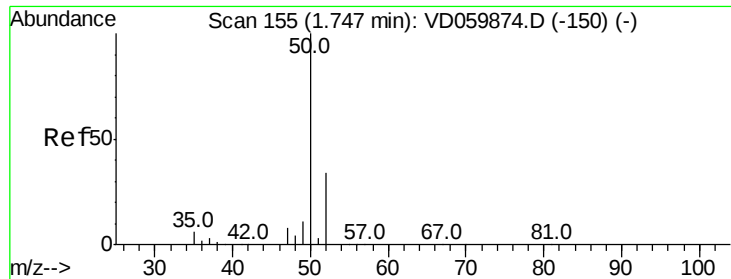
40000

20000

0

Time-->





#3

Chloromethane

Concen: 17.288 ug/l

RT: 1.75 min Scan# 23

Delta R.T. 0.00 min

Lab File: VD059987.D

Acq: 10 Sep 2018 12:30

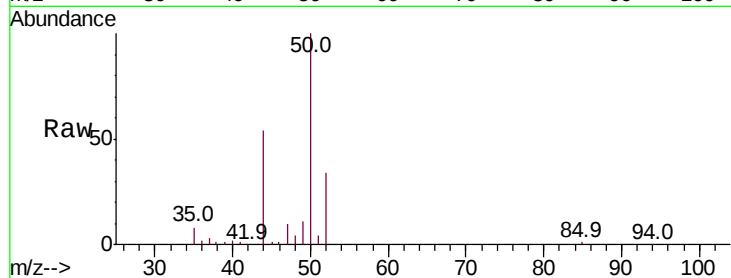
Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 50 Resp: 196245

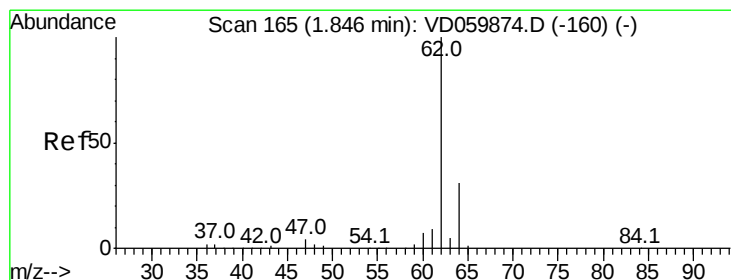
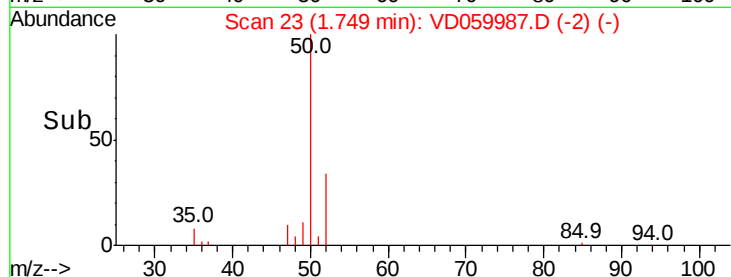
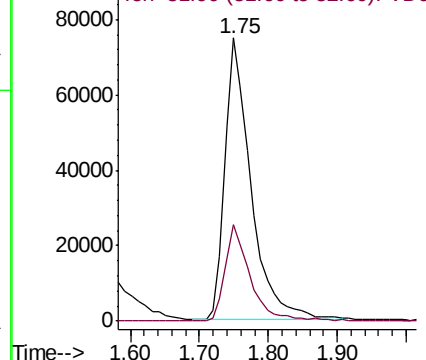
Ion Ratio Lower Upper

50 100

52 34.2 27.0 40.6



Abundance Ion 49.90 (49.60 to 50.60): VDC
Ion 51.90 (51.60 to 52.60): VDC



#4

Vinyl Chloride

Concen: 19.301 ug/l

RT: 1.85 min Scan# 33

Delta R.T. 0.00 min

Lab File: VD059987.D

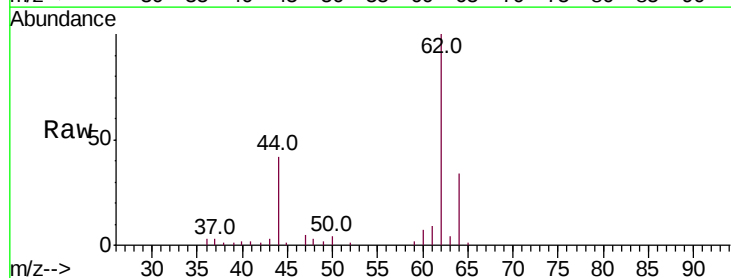
Acq: 10 Sep 2018 12:30

Tgt Ion: 62 Resp: 171793

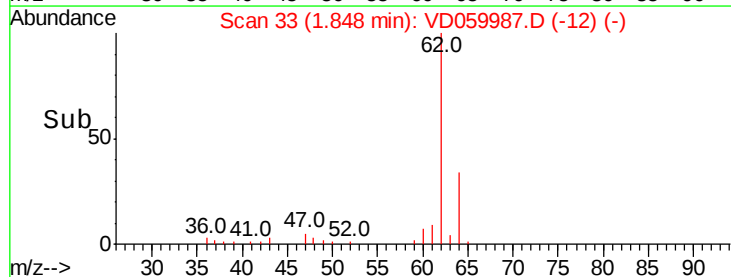
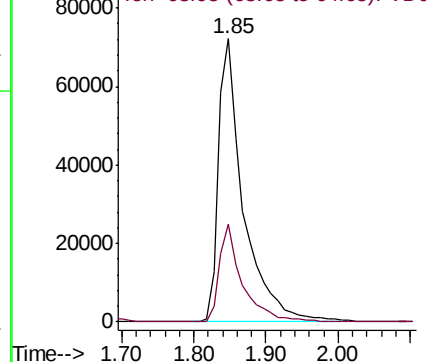
Ion Ratio Lower Upper

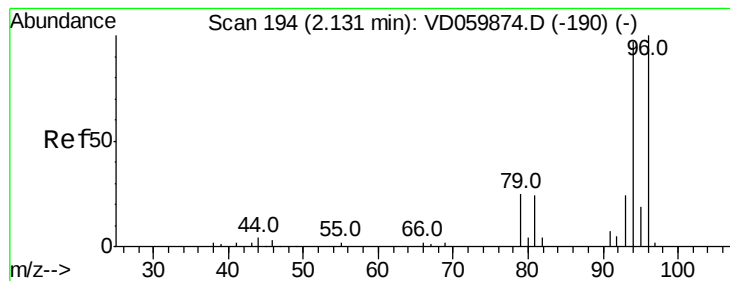
62 100

64 34.3 25.0 37.6



Abundance Ion 61.95 (61.65 to 62.65): VDC
Ion 63.95 (63.65 to 64.65): VDC





#5

Bromomethane

Concen: 11.266 ug/l

RT: 2.13 min Scan# 62

Delta R.T. 0.00 min

Lab File: VD059987.D

Acq: 10 Sep 2018 12:30

Instrument :

MSVOA_D

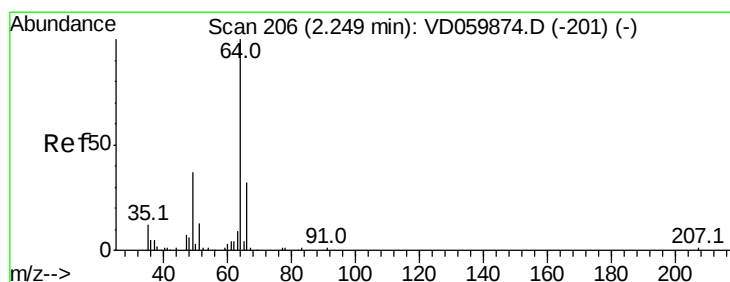
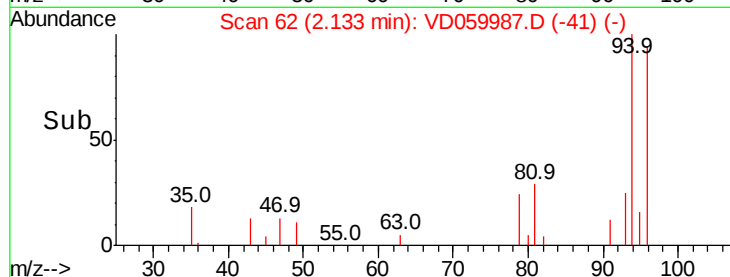
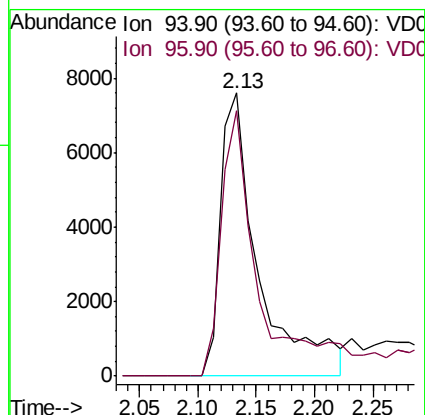
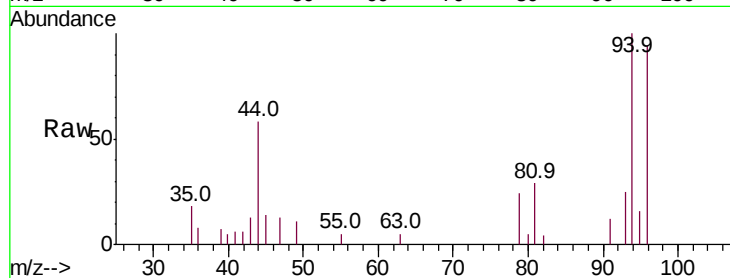
ClientSampled :

Tot Ion: 94 Resp: 17313

Ion Ratio Lower Upper

94 100

96 93.7 82.4 123.6



#6

Chloroethane

Concen: 13.439 ug/l

RT: 2.24 min Scan# 73

Delta R.T. -0.01 min

Lab File: VD059987.D

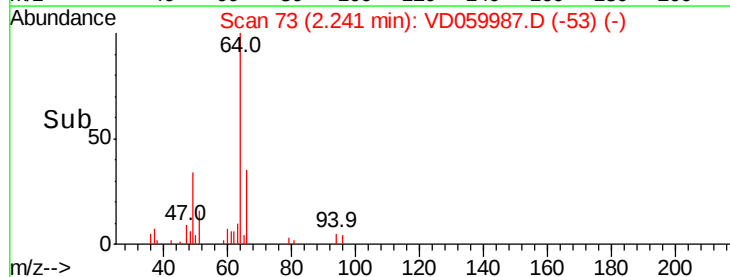
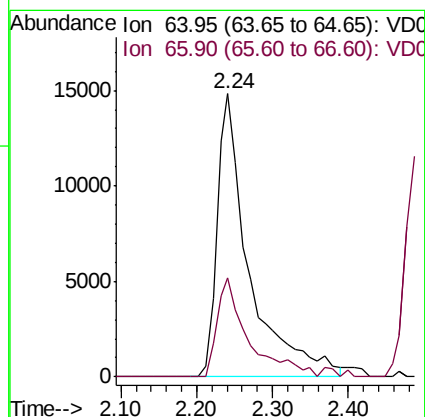
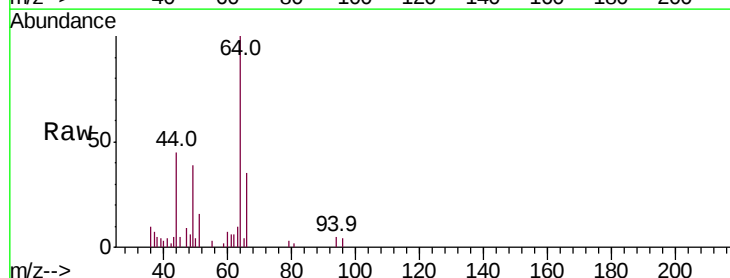
Acq: 10 Sep 2018 12:30

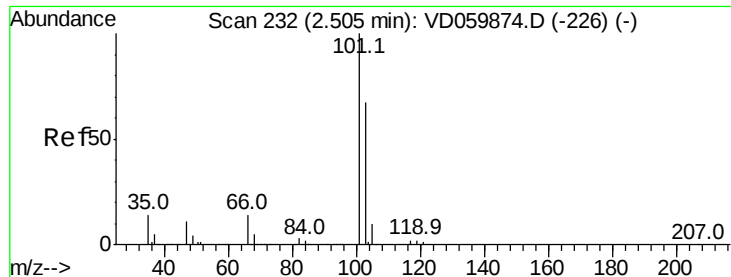
Tgt Ion: 64 Resp: 43669

Ion Ratio Lower Upper

64 100

66 34.8 25.3 37.9



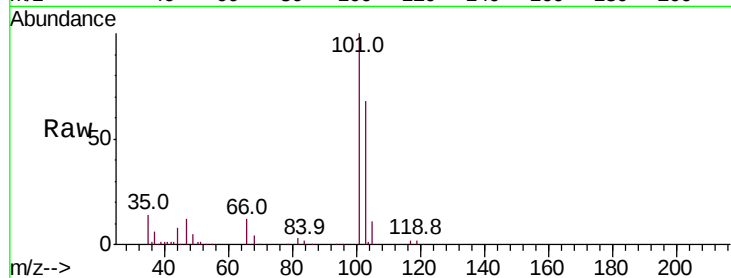


#7

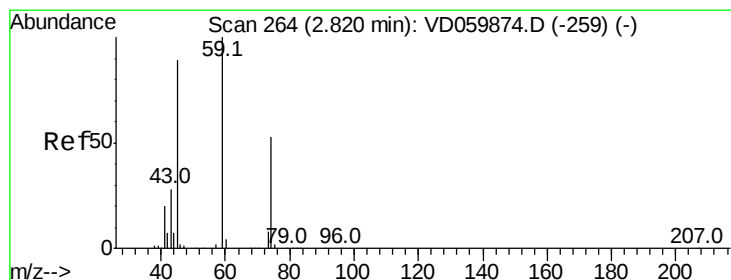
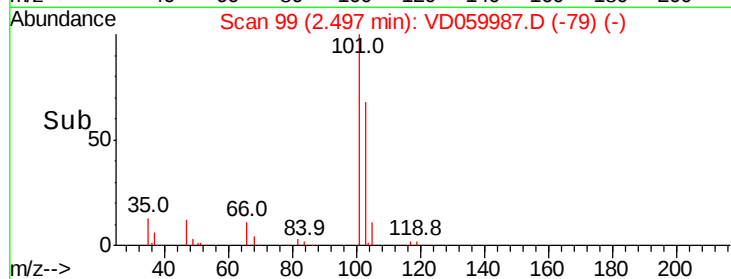
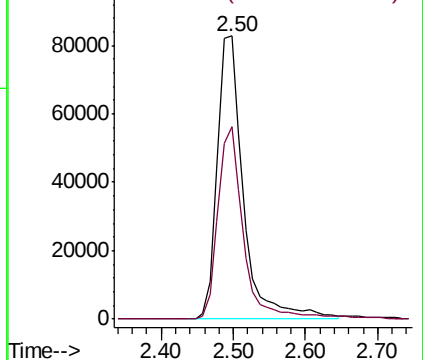
Trichlorofluoromethane
 Concen: 20.032 ug/l
 RT: 2.50 min Scan# 99
 Delta R.T. -0.01 min
 Lab File: VD059987.D
 Acq: 10 Sep 2018 12:30

Instrument :
 MSVOA_D
 ClientSampleId :

Tot Ion:101 Resp: 206269
 Ion Ratio Lower Upper
 101 100
 103 68.2 53.7 80.5



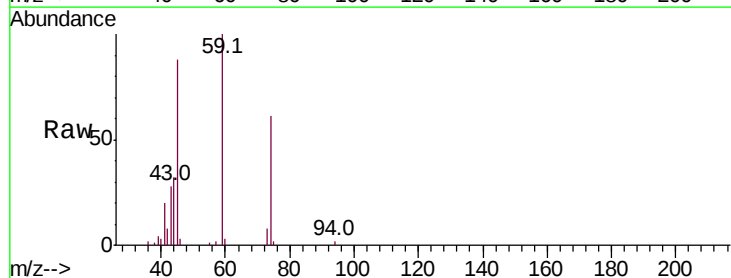
Abundance Ion 100.85 (100.55 to 101.55): V
 Ion 102.85 (102.55 to 103.55): V



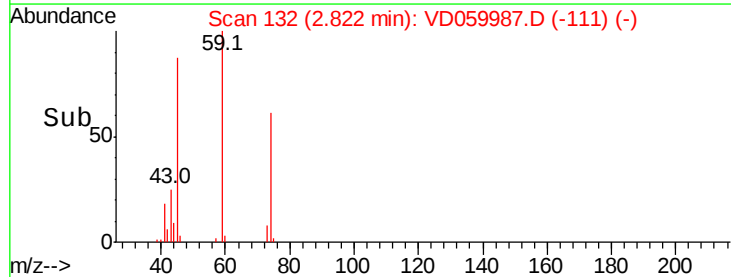
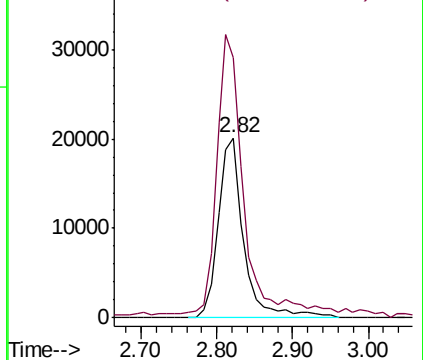
#8

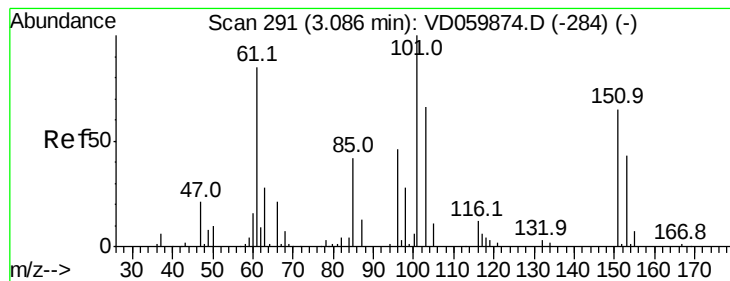
Diethyl Ether
 Concen: 20.371 ug/l
 RT: 2.82 min Scan# 132
 Delta R.T. 0.00 min
 Lab File: VD059987.D
 Acq: 10 Sep 2018 12:30

Tgt Ion: 74 Resp: 47058
 Ion Ratio Lower Upper
 74 100
 45 144.7 85.7 257.1



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: 24.061 ug/l

RT: 3.08 min Scan# 158

Delta R.T. -0.01 min

Lab File: VD059987.D

Acq: 10 Sep 2018 12:30

Instrument :

MSVOA_D

ClientSampleId :

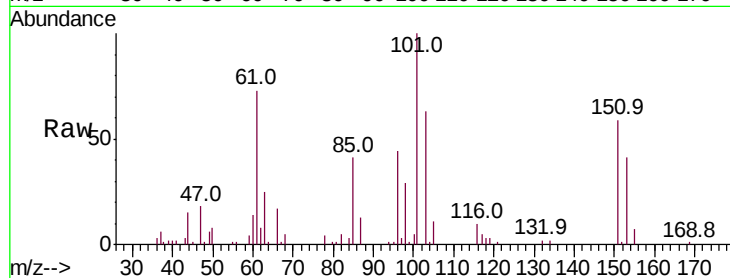
Tot Ion:101 Resp: 151729

Ion Ratio Lower Upper

101 100

85 40.5 33.6 50.4

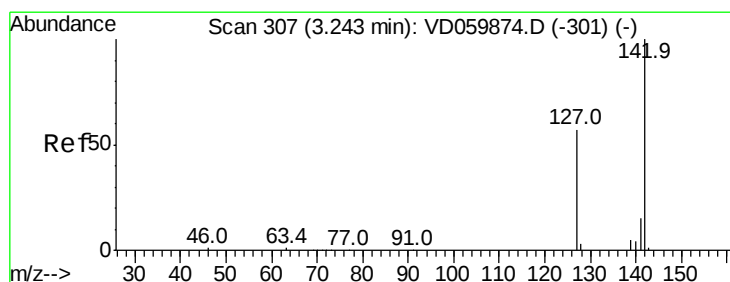
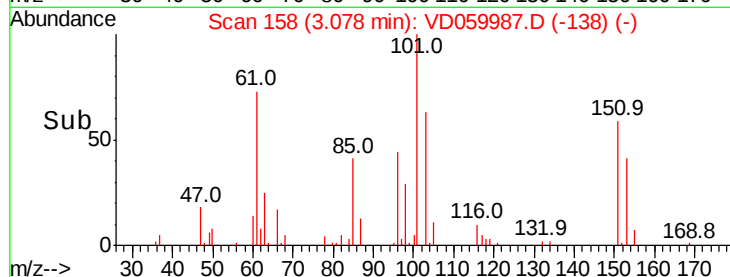
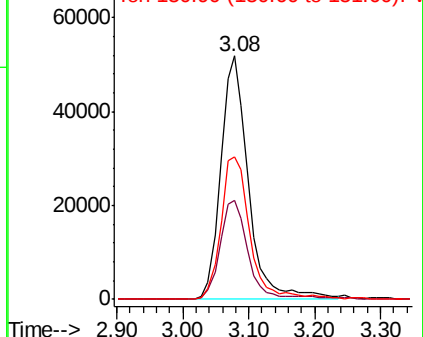
151 58.7 52.0 78.0



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: 18.802 ug/l

RT: 3.24 min Scan# 174

Delta R.T. -0.01 min

Lab File: VD059987.D

Acq: 10 Sep 2018 12:30

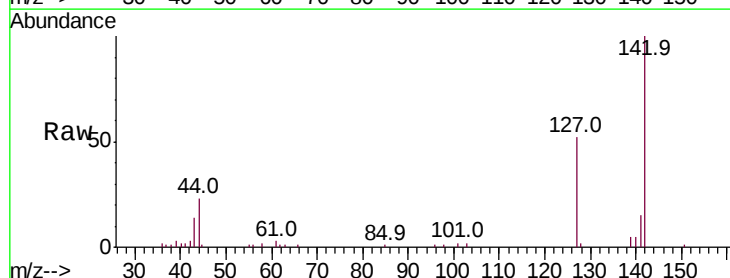
Tgt Ion:142 Resp: 110694

Ion Ratio Lower Upper

142 100

127 51.5 45.8 68.6

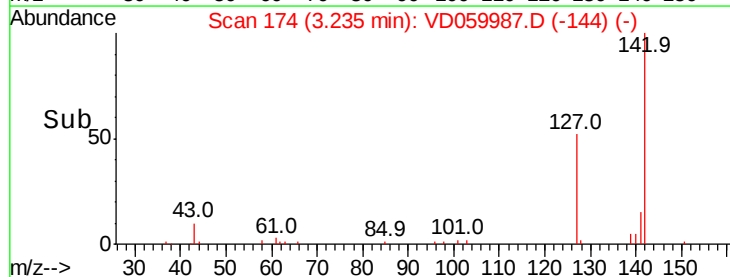
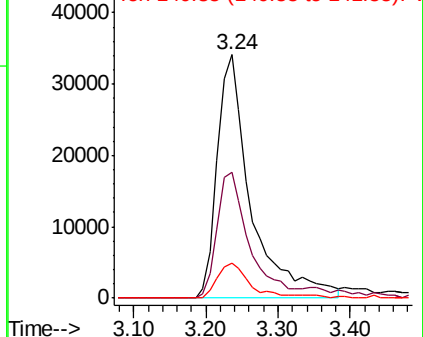
141 14.6 11.6 17.4

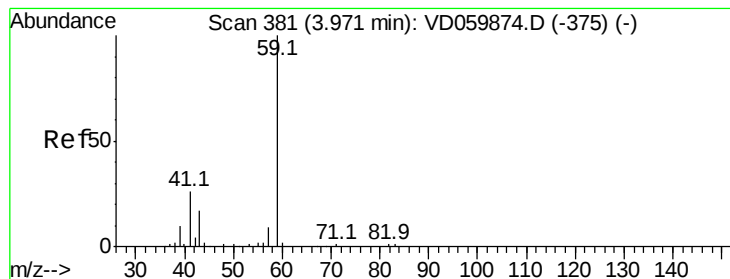


Abundance Ion 141.85 (141.55 to 142.55): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.85 (140.55 to 141.55): V



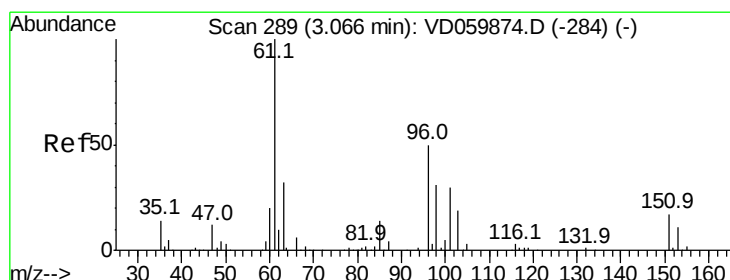
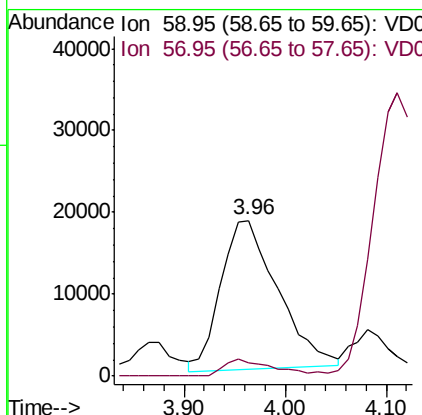
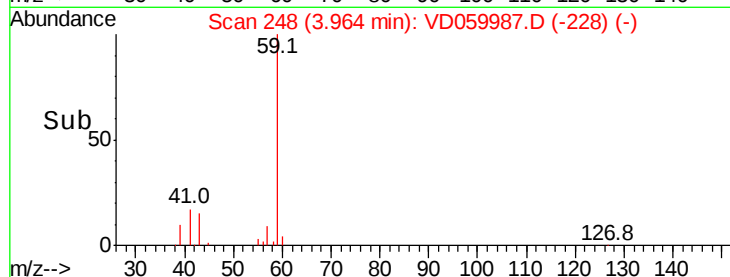
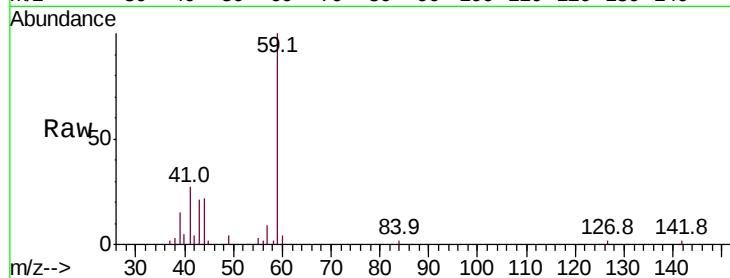


#11

Tert butyl alcohol
Concen: 79.440 ug/l
RT: 3.96 min Scan# 248
Delta R.T. -0.01 min
Lab File: VD059987.D
Acq: 10 Sep 2018 12:30

Instrument :
MSVOA_D
ClientSampleId :

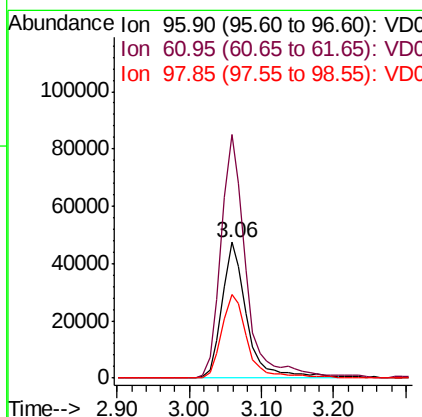
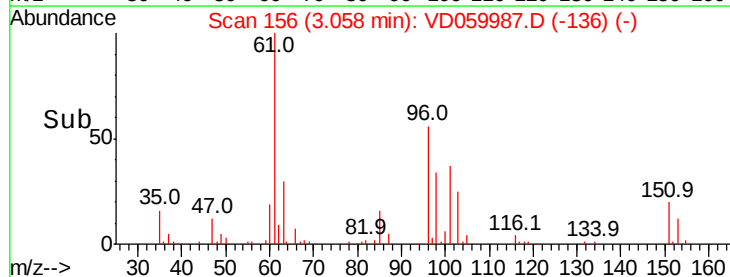
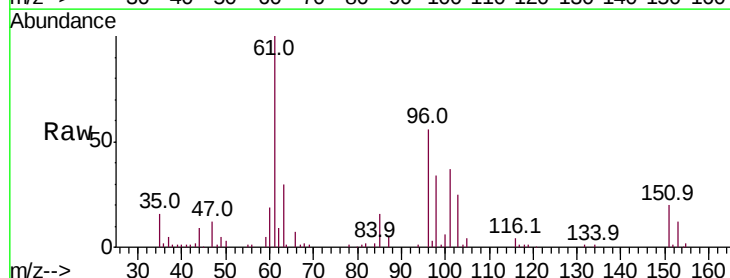
Tot Ion: 59 Resp: 71614
Ion Ratio Lower Upper
59 100
57 8.9 7.4 11.0

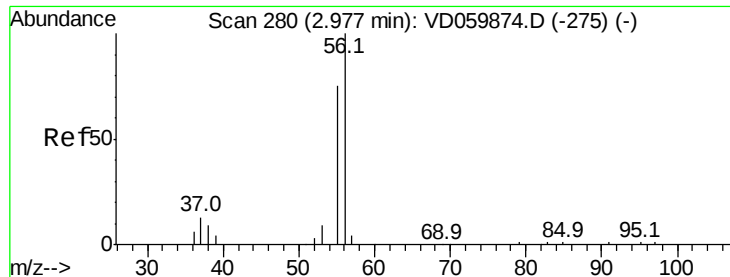


#12

1,1-Dichloroethene
Concen: 23.039 ug/l
RT: 3.06 min Scan# 156
Delta R.T. -0.01 min
Lab File: VD059987.D
Acq: 10 Sep 2018 12:30

Tgt Ion: 96 Resp: 113102
Ion Ratio Lower Upper
96 100
61 179.1 158.8 238.2
98 61.4 48.7 73.1





#13

Acrolein

Concen: 54.479 ug/l

RT: 2.97 min Scan# 147

Delta R.T. -0.01 min

Lab File: VD059987.D

Acq: 10 Sep 2018 12:30

Instrument :

MSVOA_D

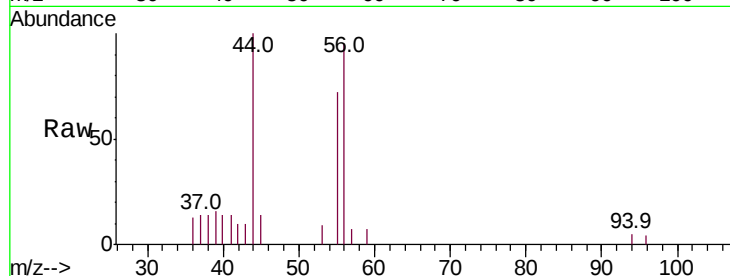
ClientSampleId :

Tot Ion: 56 Resp: 21301

Ion Ratio Lower Upper

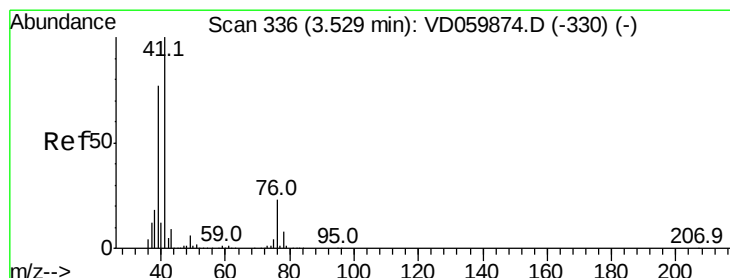
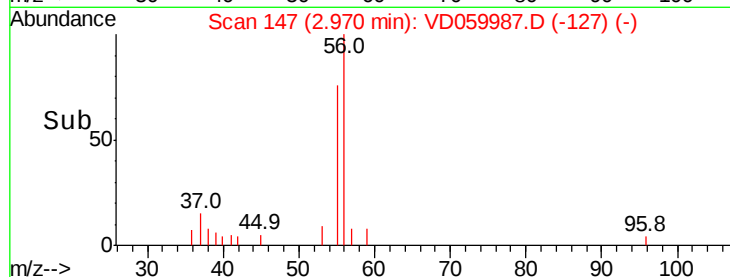
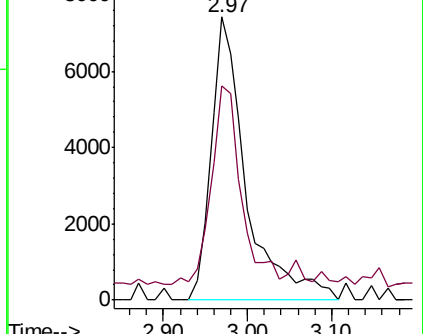
56 100

55 75.6 61.9 92.9



Abundance Ion 55.95 (55.65 to 56.65): VDC

Ion 55.00 (54.70 to 55.70): VDC



#14

Allyl chloride

Concen: 21.887 ug/l

RT: 3.52 min Scan# 203

Delta R.T. -0.01 min

Lab File: VD059987.D

Acq: 10 Sep 2018 12:30

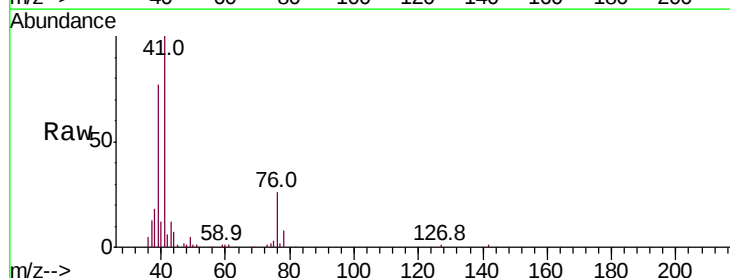
Tgt Ion: 41 Resp: 243073

Ion Ratio Lower Upper

41 100

39 77.4 61.8 92.6

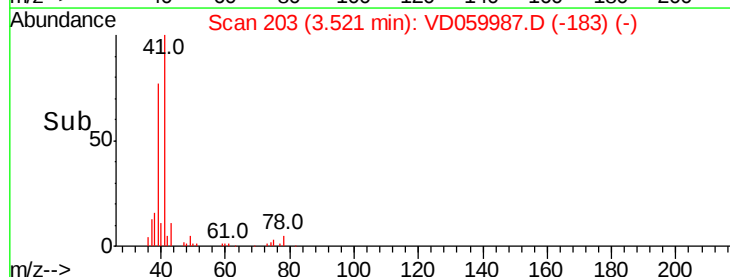
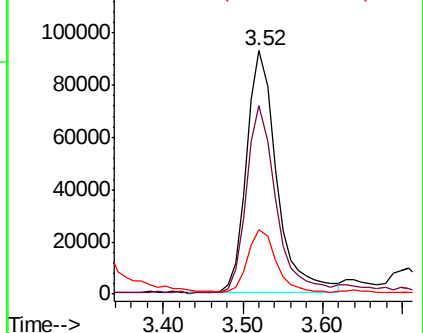
76 26.5 19.4 29.2

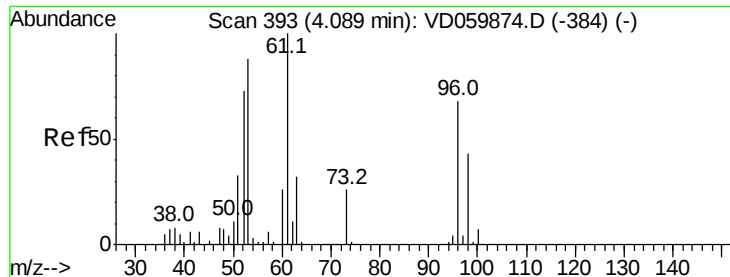


Abundance Ion 41.05 (40.75 to 41.75): VDC

Ion 38.95 (38.65 to 39.65): VDC

Ion 75.95 (75.65 to 76.65): VDC





#15

Acrylonitrile

Concen: 96.875 ug/l

RT: 4.07 min Scan# 259

Delta R.T. -0.02 min

Lab File: VD059987.D

Acq: 10 Sep 2018 12:30

Instrument :
MSVOA_D
ClientSampled :

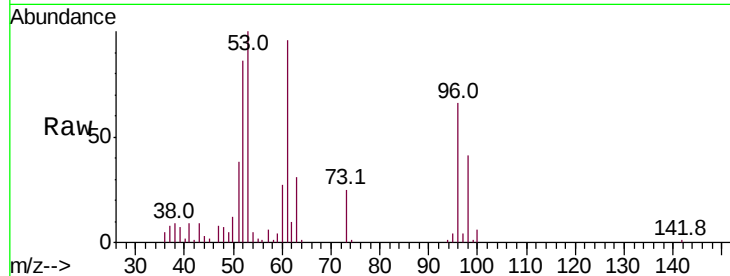
Tot Ion: 53 Resp: 327034

Ion Ratio Lower Upper

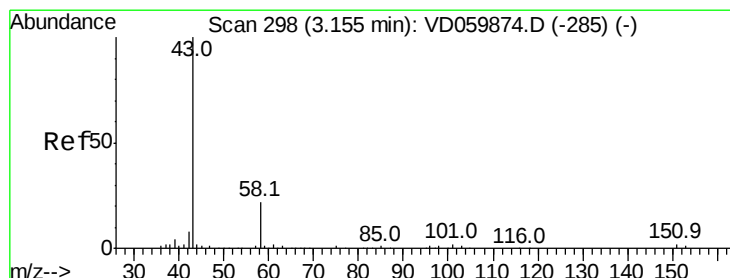
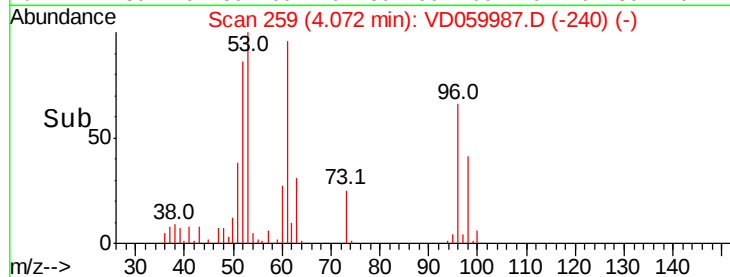
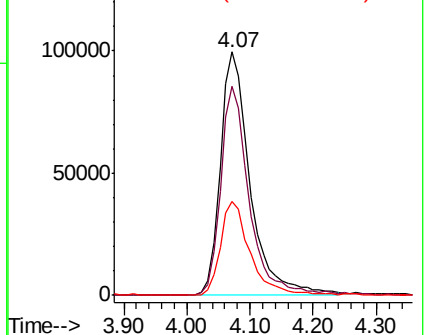
53 100

52 86.0 66.9 100.3

51 38.5 30.3 45.5



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



#16

Acetone

Concen: 100.452 ug/l

RT: 3.15 min Scan# 165

Delta R.T. -0.01 min

Lab File: VD059987.D

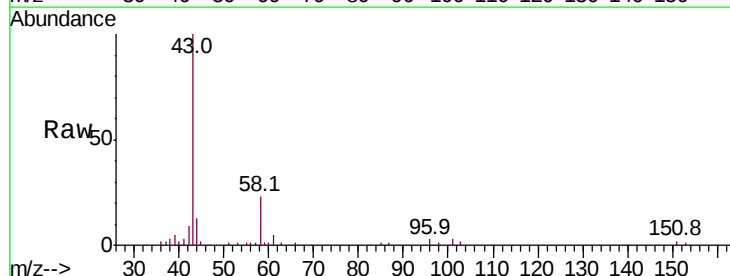
Acq: 10 Sep 2018 12:30

Tgt Ion: 43 Resp: 216223

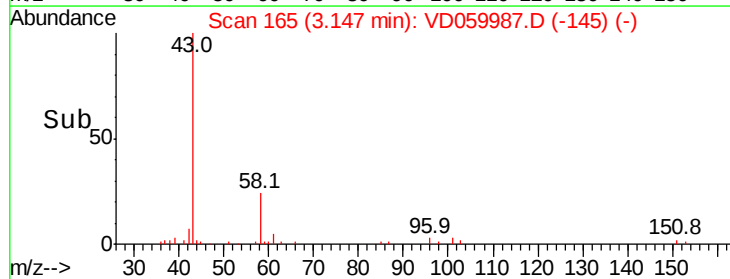
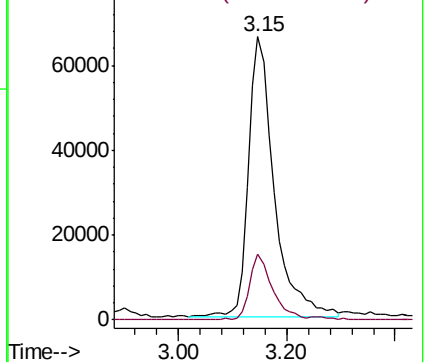
Ion Ratio Lower Upper

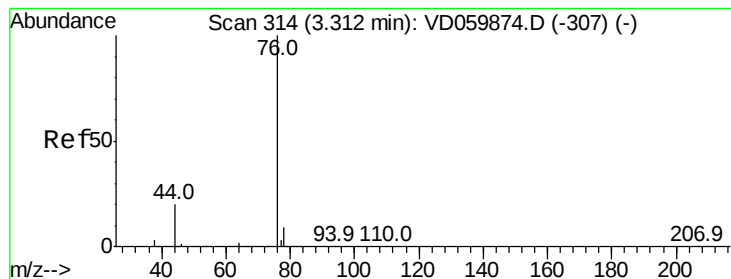
43 100

58 23.4 17.6 26.4



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





#17

Carbon Disulfide

Concen: 16.349 ug/l

RT: 3.30 min Scan# 181

Delta R.T. -0.01 min

Lab File: VD059987.D

Acq: 10 Sep 2018 12:30

Instrument :

MSVOA_D

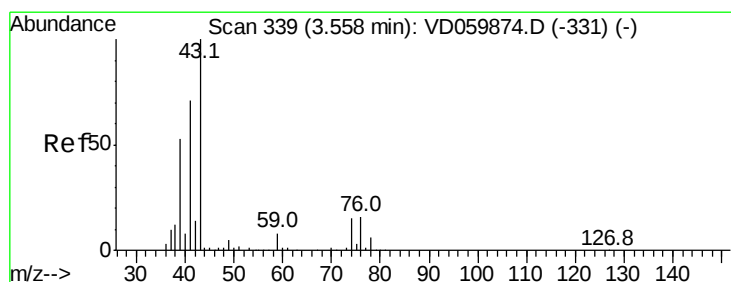
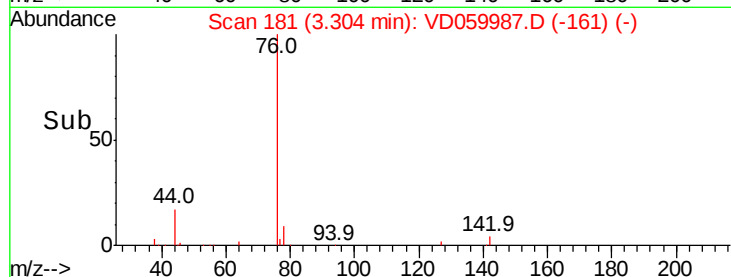
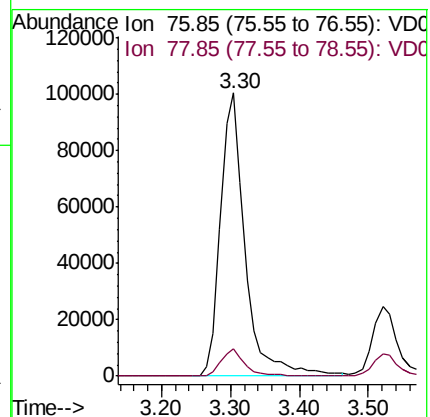
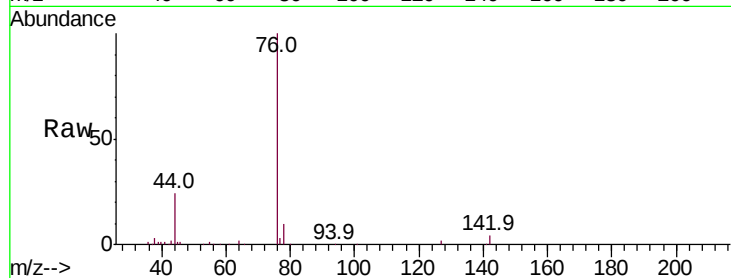
ClientSampled :

Tot Ion: 76 Resp: 249128

Ion Ratio Lower Upper

76 100

78 9.6 7.4 11.2



#18

Methyl Acetate

Concen: 17.175 ug/l

RT: 3.54 min Scan# 205

Delta R.T. -0.02 min

Lab File: VD059987.D

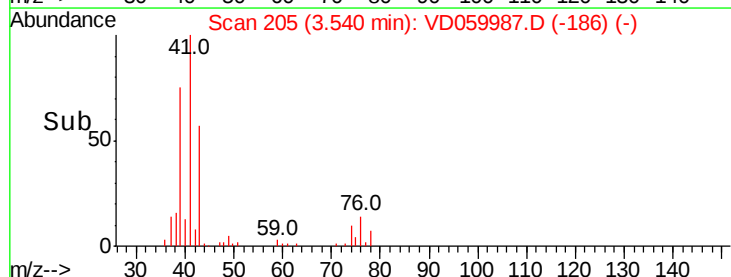
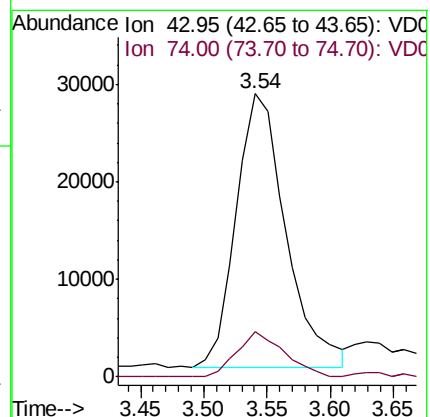
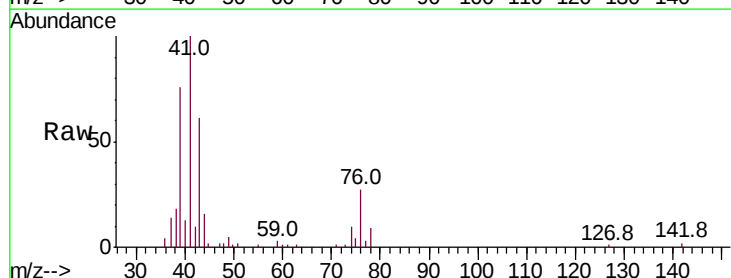
Acq: 10 Sep 2018 12:30

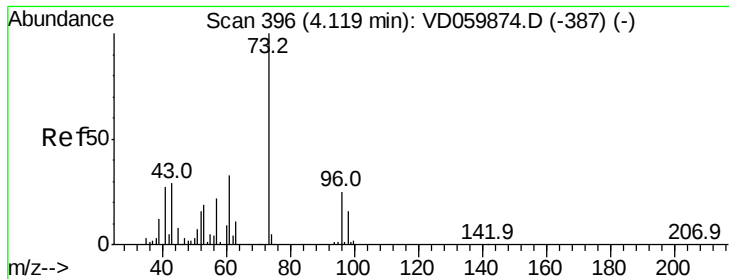
Tgt Ion: 43 Resp: 77176

Ion Ratio Lower Upper

43 100

74 16.1 11.2 16.8



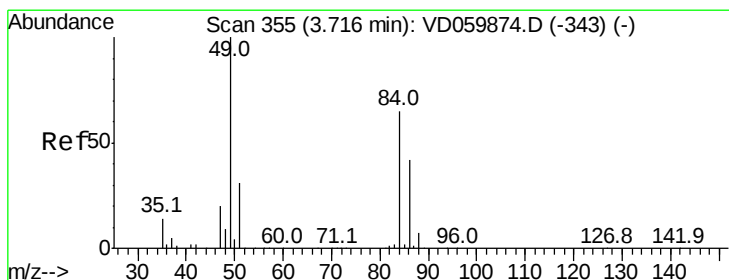
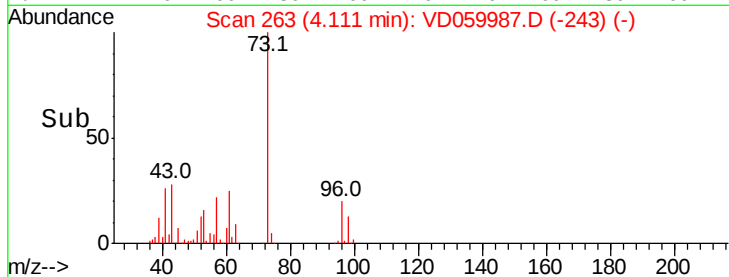
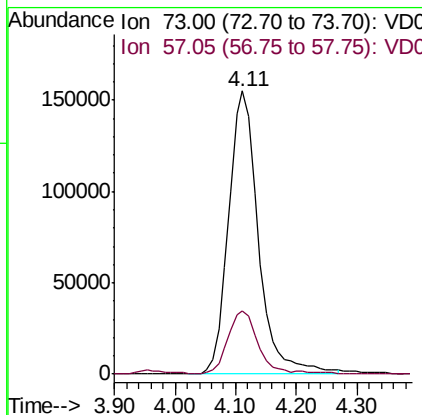
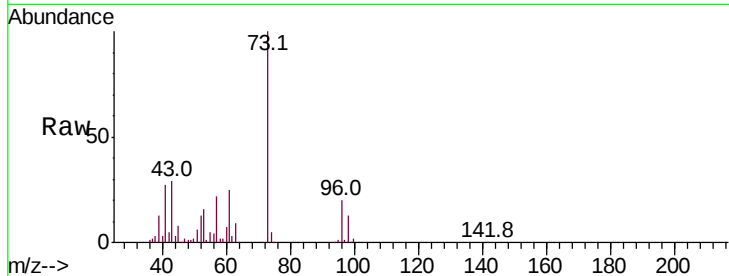


#19

Methyl tert-butyl Ether
 Concen: 19.137 ug/l
 RT: 4.11 min Scan# 263
 Delta R.T. -0.01 min
 Lab File: VD059987.D
 Acq: 10 Sep 2018 12:30

Instrument :
 MSVOA_D
 ClientSampleId :

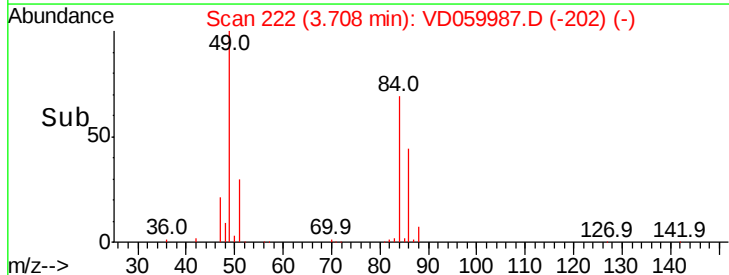
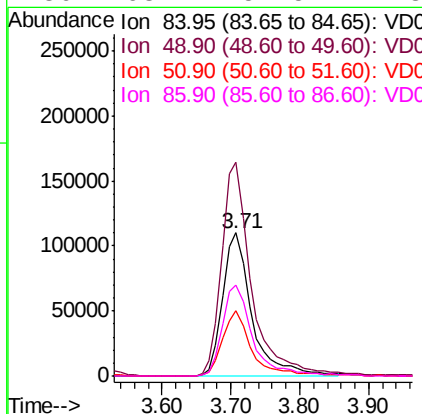
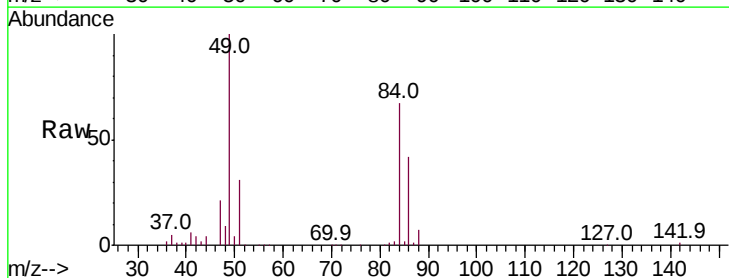
Tot Ion: 73 Resp: 531464
 Ion Ratio Lower Upper
 73 100
 57 22.3 17.9 26.9

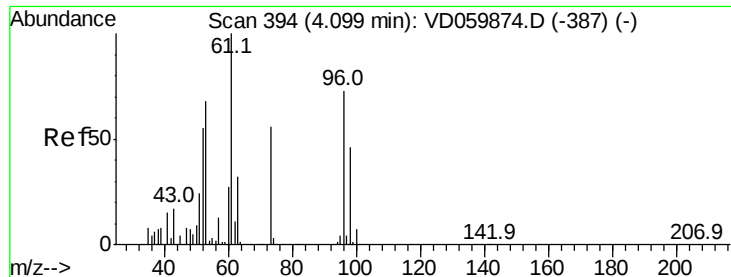


#20

Methylene Chloride
 Concen: 20.376 ug/l
 RT: 3.71 min Scan# 222
 Delta R.T. -0.01 min
 Lab File: VD059987.D
 Acq: 10 Sep 2018 12:30

Tgt Ion: 84 Resp: 324408
 Ion Ratio Lower Upper
 84 100
 49 149.4 122.6 183.8
 51 45.6 38.4 57.6
 86 63.4 51.5 77.3





#21

trans-1,2-Dichloroethene

Concen: 18.794 ug/l

RT: 4.08 min Scan# 260

Delta R.T. -0.02 min

Lab File: VD059987.D

Acq: 10 Sep 2018 12:30

Instrument :
MSVOA_D
ClientSampled :

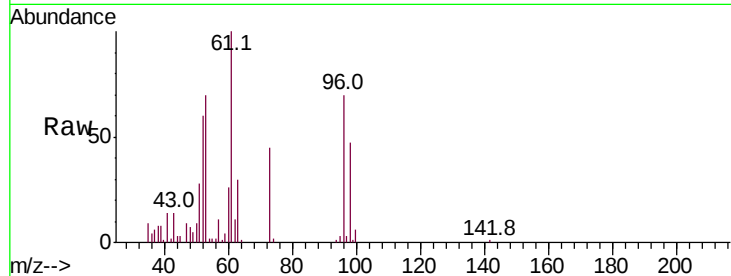
Tot Ion: 96 Resp: 254201

Ion Ratio Lower Upper

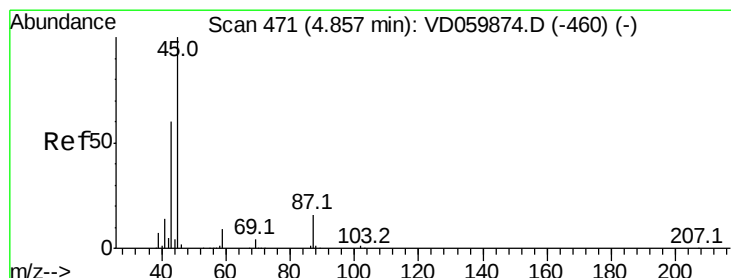
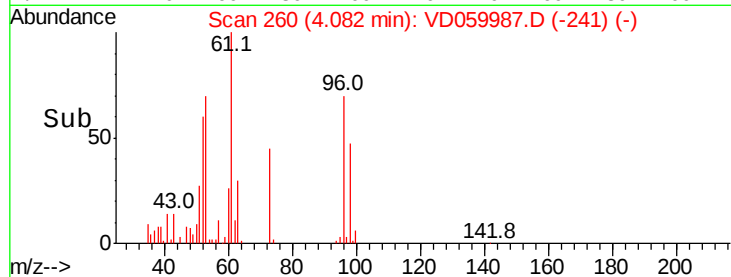
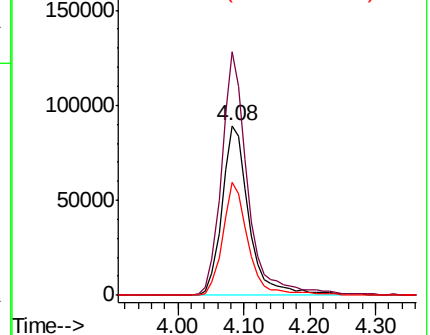
96 100

61 143.5 110.2 165.4

98 66.8 50.9 76.3



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



#22

Diisopropyl ether

Concen: 20.093 ug/l

RT: 4.84 min Scan# 337

Delta R.T. -0.02 min

Lab File: VD059987.D

Acq: 10 Sep 2018 12:30

Tgt Ion: 45 Resp: 1138034

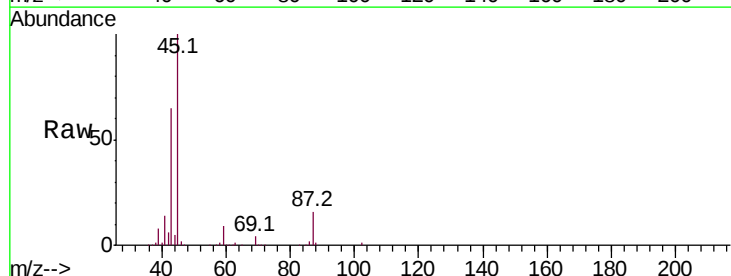
Ion Ratio Lower Upper

45 100

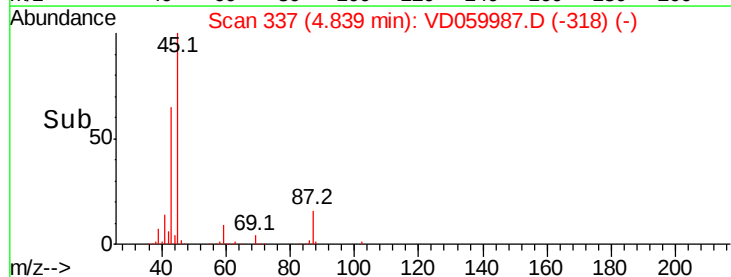
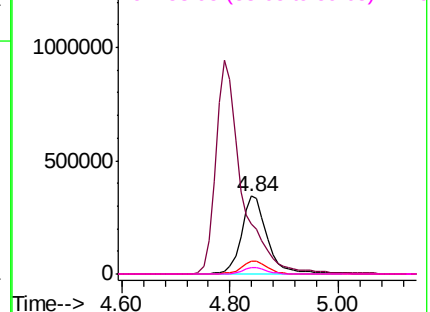
43 64.7 48.6 72.8

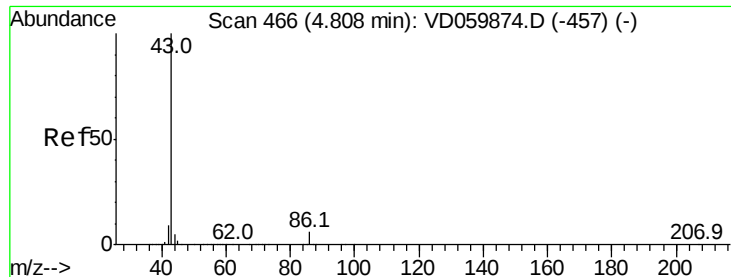
87 16.3 13.3 19.9

59 8.6 7.1 10.7



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

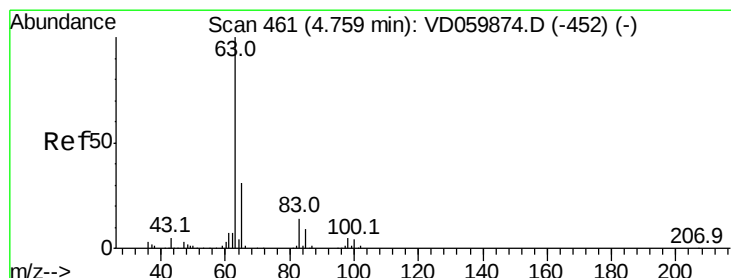
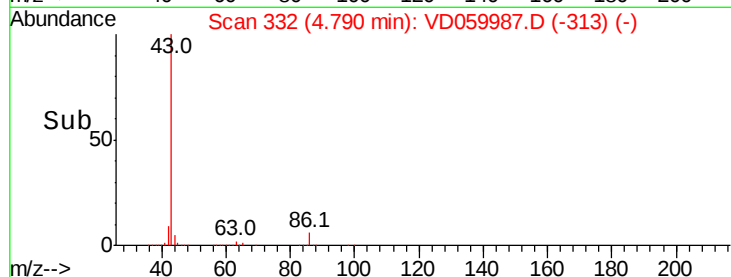
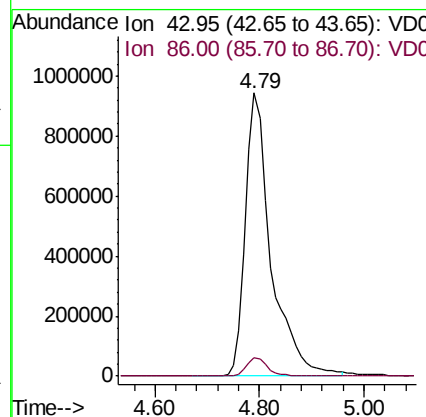
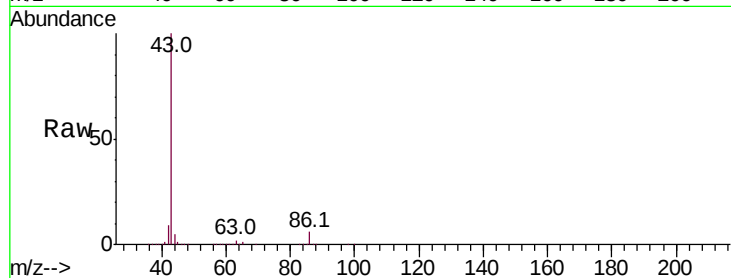




#23
 Vinyl Acetate
 Concen: 98.750 ug/l
 RT: 4.79 min Scan# 332
 Delta R.T. -0.02 min
 Lab File: VD059987.D
 Acq: 10 Sep 2018 12:30

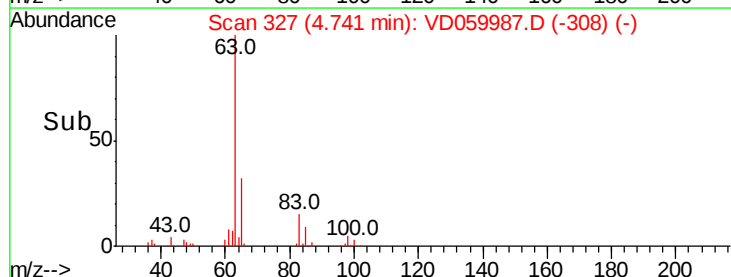
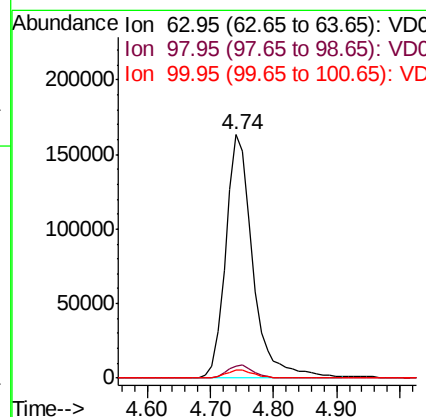
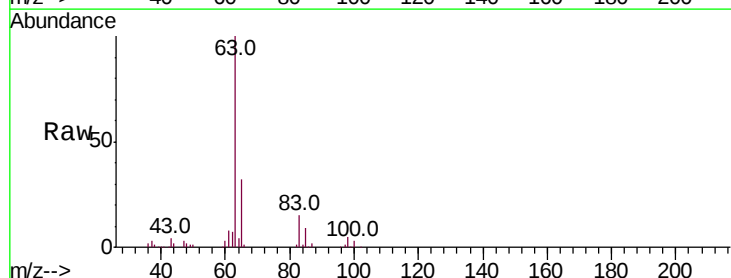
Instrument :
 MSVOA_D
 ClientSampleId :

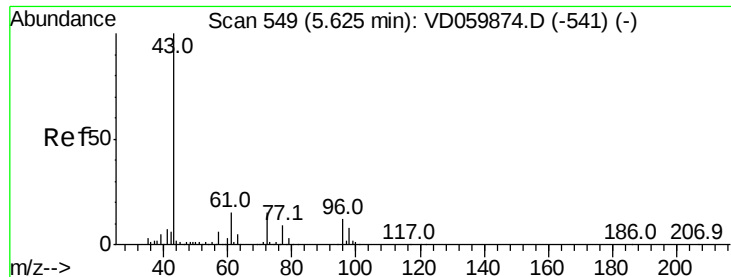
Tot Ion: 43 Resp: 3126664
 Ion Ratio Lower Upper
 43 100
 86 6.3 5.0 7.6



#24
 1,1-Dichloroethane
 Concen: 19.902 ug/l
 RT: 4.74 min Scan# 327
 Delta R.T. -0.02 min
 Lab File: VD059987.D
 Acq: 10 Sep 2018 12:30

Tgt Ion: 63 Resp: 486985
 Ion Ratio Lower Upper
 63 100
 98 5.1 2.7 8.1
 100 3.2 1.8 5.3





#25

2-Butanone

Concen: 79.567 ug/l

RT: 5.61 min Scan# 415

Delta R.T. -0.02 min

Lab File: VD059987.D

Acq: 10 Sep 2018 12:30

Instrument :

MSVOA_D

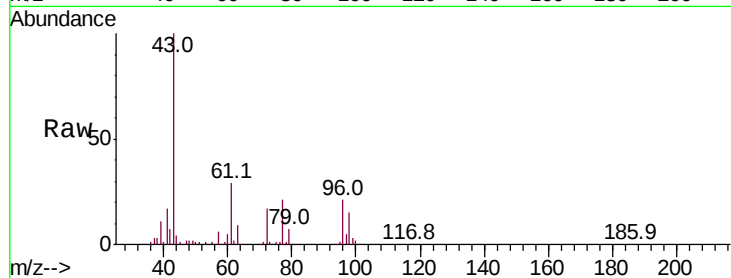
ClientSampled :

Tot Ion: 43 Resp: 507242

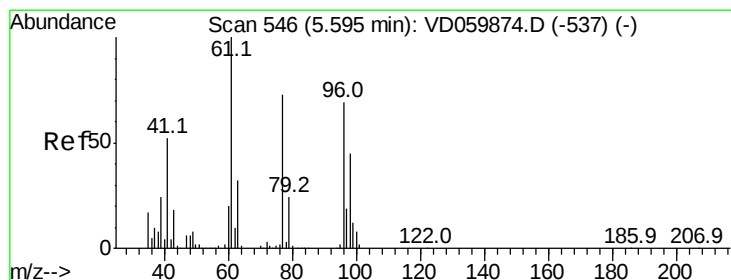
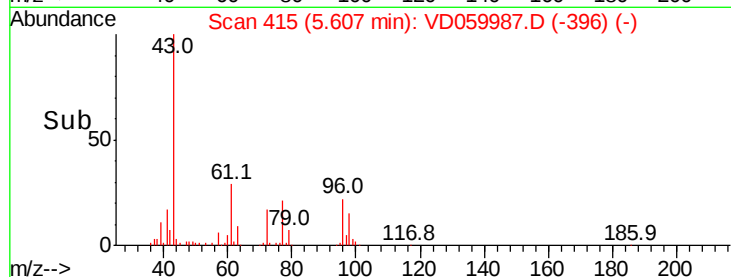
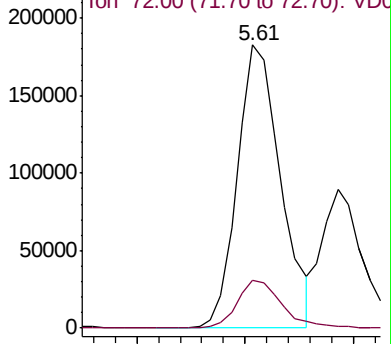
Ion Ratio Lower Upper

43 100

72 17.0 12.3 18.5



Abundance Ion 42.95 (42.65 to 43.65): VDC



#26

2,2-Dichloropropane

Concen: 19.869 ug/l

RT: 5.58 min Scan# 412

Delta R.T. -0.02 min

Lab File: VD059987.D

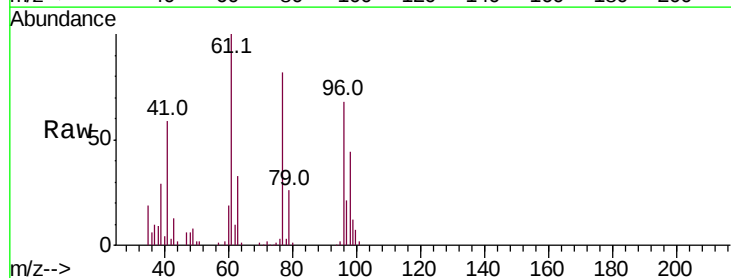
Acq: 10 Sep 2018 12:30

Tgt Ion: 77 Resp: 406425

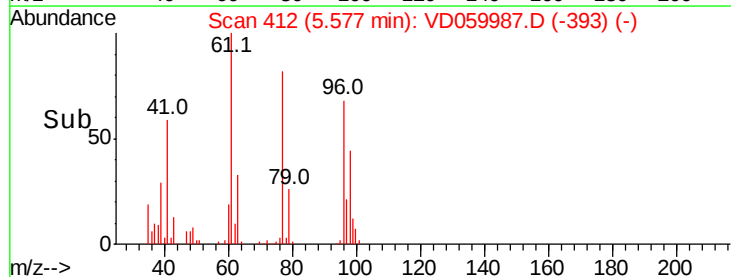
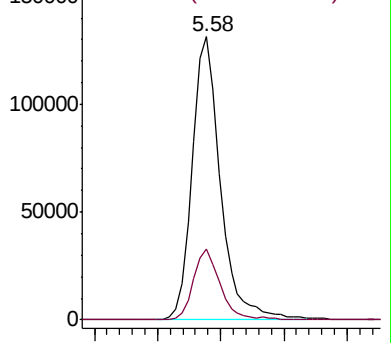
Ion Ratio Lower Upper

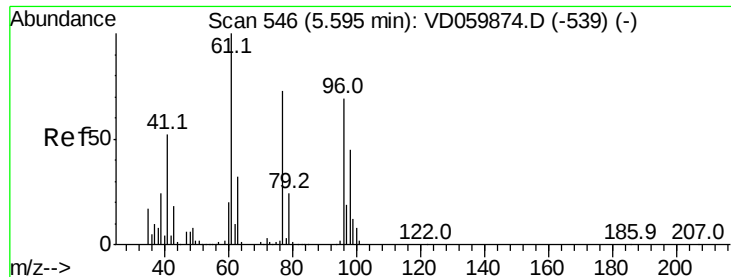
77 100

97 25.3 13.0 38.9



Abundance Ion 76.95 (76.65 to 77.65): VDC



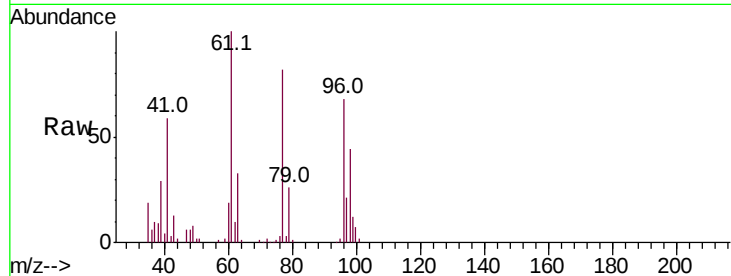


#27

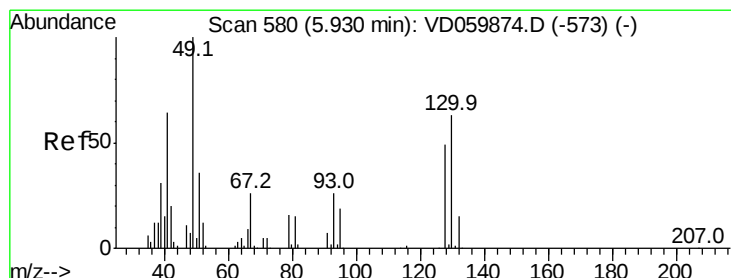
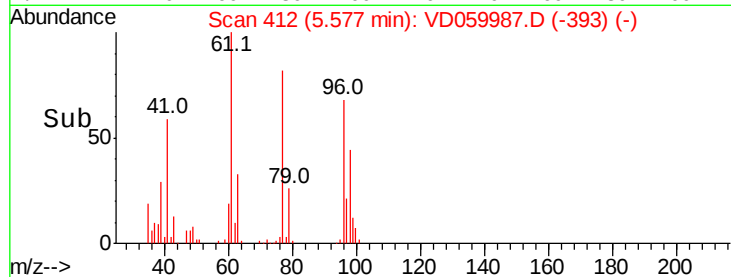
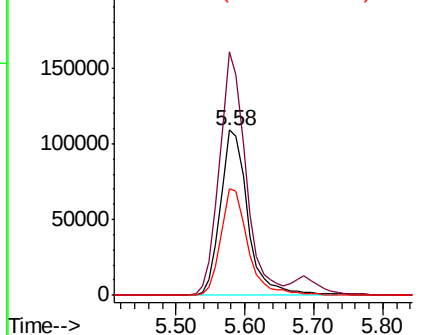
cis-1,2-Dichloroethene
 Concen: 20.381 ug/l
 RT: 5.58 min Scan# 412
 Delta R.T. -0.02 min
 Lab File: VD059987.D
 Acq: 10 Sep 2018 12:30

Instrument :
 MSVOA_D
 ClientSampleId :

Tot Ion	96	Resp	301825
Ion	Ratio	Lower	Upper
96	100		
61	147.4	0.0	290.2
98	64.4	0.0	130.4



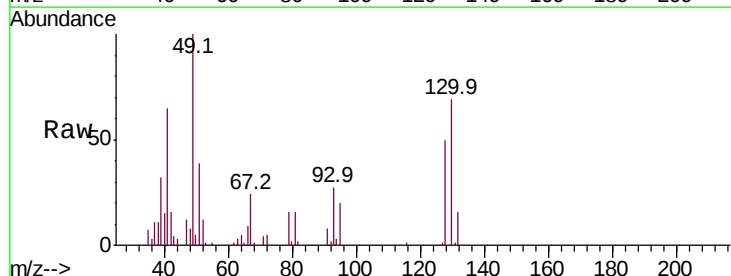
Abundance Ion 95.90 (95.60 to 96.60): VDC
 Ion 60.95 (60.65 to 61.65): VDC
 Ion 97.85 (97.55 to 98.55): VDC



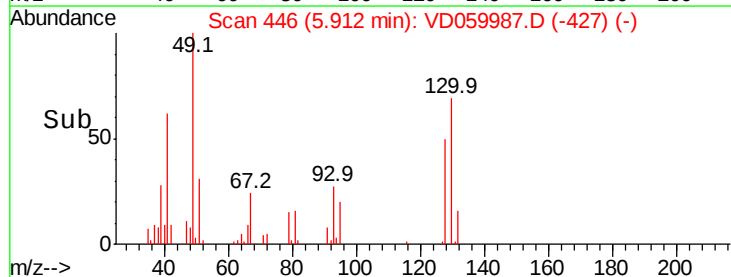
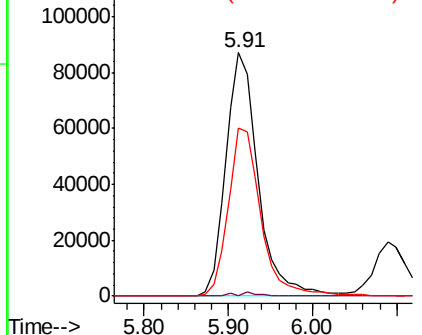
#28

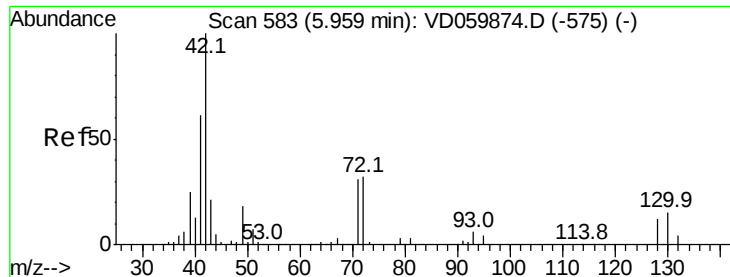
Bromochloromethane
 Concen: 19.751 ug/l
 RT: 5.91 min Scan# 446
 Delta R.T. -0.02 min
 Lab File: VD059987.D
 Acq: 10 Sep 2018 12:30

Tgt Ion	49	Resp	231621
Ion	Ratio	Lower	Upper
49	100		
129	0.0	0.0	3.2
130	69.1	50.6	75.8



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





#29

Tetrahydrofuran

Concen: 86.723 ug/l

RT: 5.94 min Scan# 449

Delta R.T. -0.02 min

Lab File: VD059987.D

Acq: 10 Sep 2018 12:30

Instrument :

MSVOA_D

ClientSampleId :

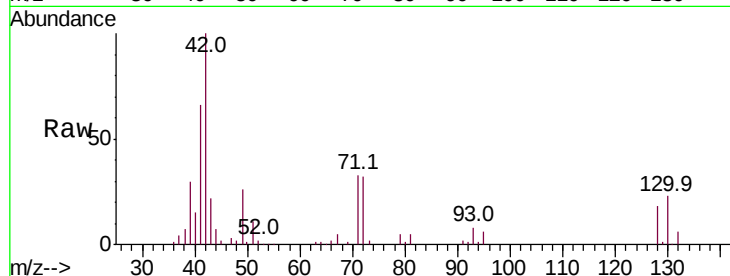
Tot Ion: 42 Resp: 263205

Ion Ratio Lower Upper

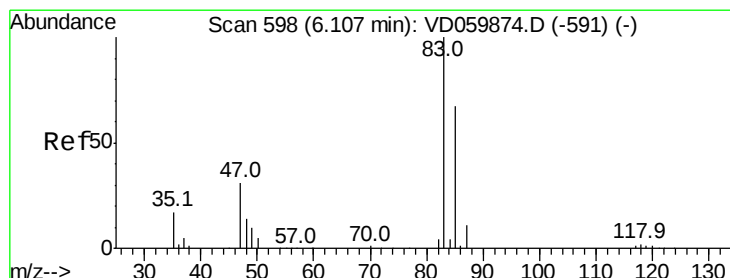
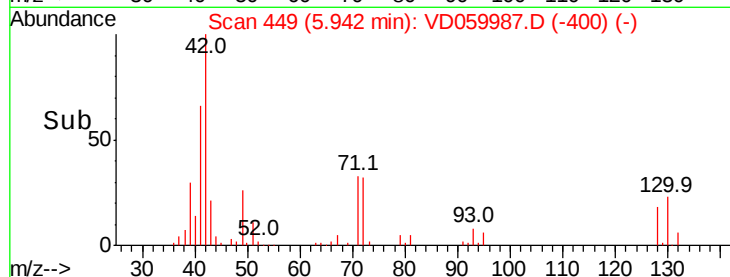
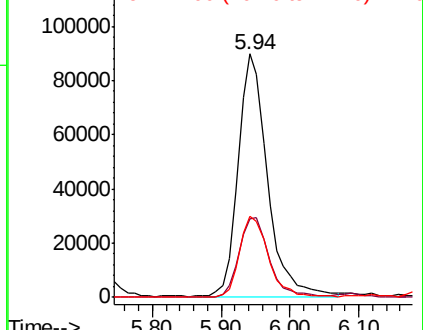
42 100

72 34.0 25.7 38.5

71 33.2 25.3 37.9



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



#30

Chloroform

Concen: 20.722 ug/l

RT: 6.09 min Scan# 464

Delta R.T. -0.02 min

Lab File: VD059987.D

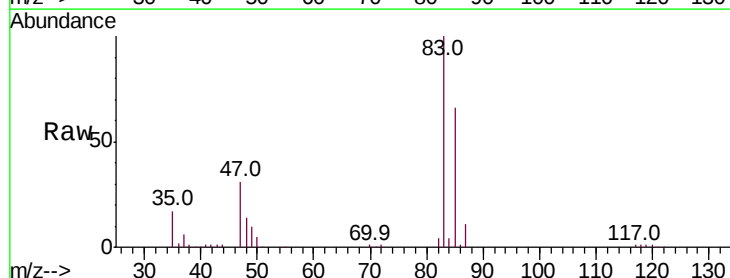
Acq: 10 Sep 2018 12:30

Tgt Ion: 83 Resp: 515304

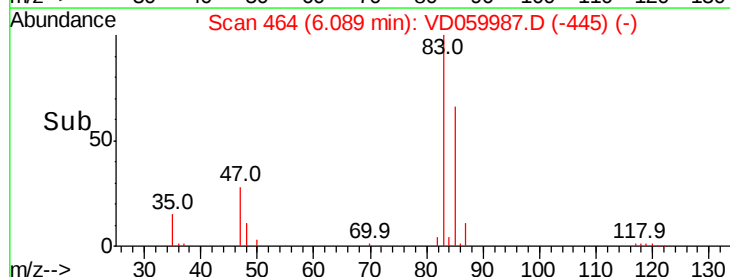
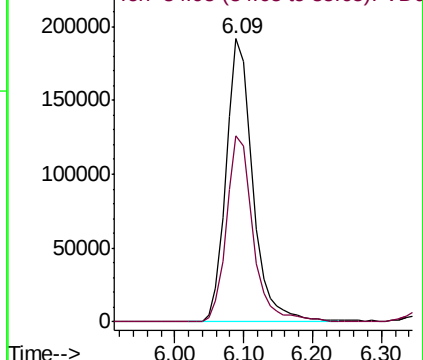
Ion Ratio Lower Upper

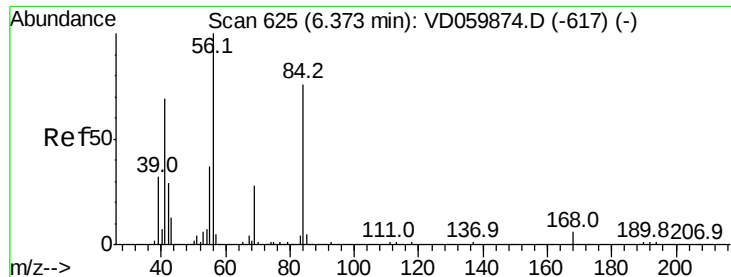
83 100

85 66.0 53.5 80.3



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

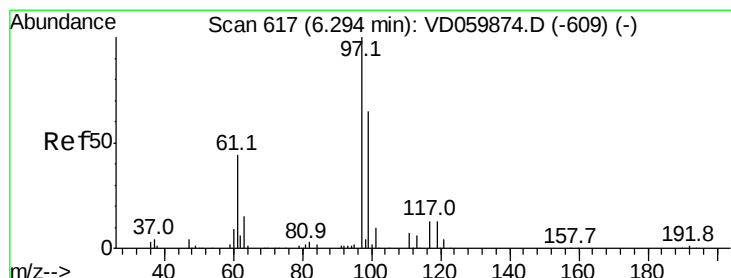
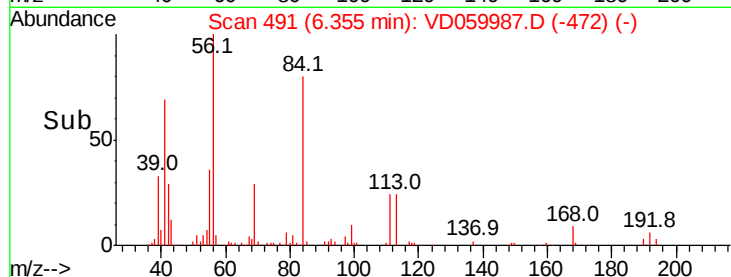
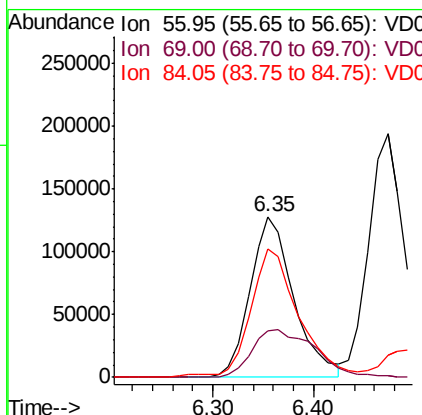
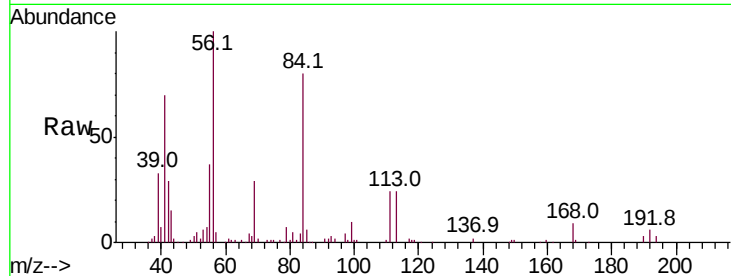




#31
Cyclohexane
Concen: 17.047 ug/l
RT: 6.35 min Scan# 491
Delta R.T. -0.02 min
Lab File: VD059987.D
Acq: 10 Sep 2018 12:30

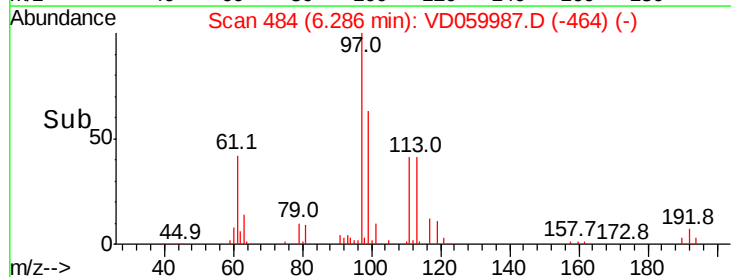
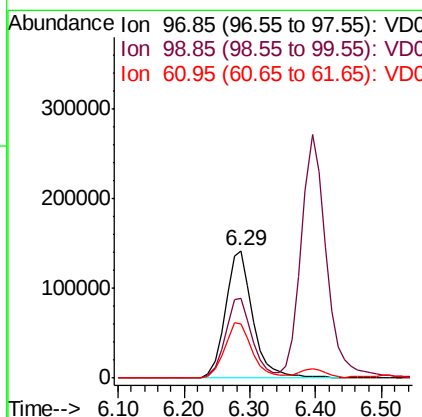
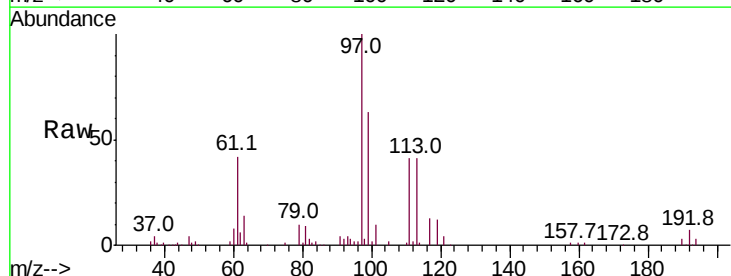
Instrument :
MSVOA_D
ClientSampleId :

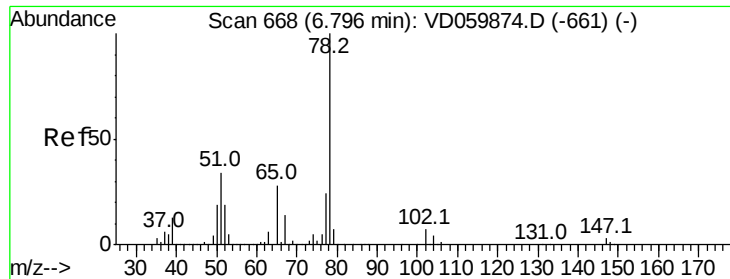
Tot Ion: 56 Resp: 383471
Ion Ratio Lower Upper
56 100
69 28.6 22.4 33.6
84 79.7 62.1 93.1



#32
1,1,1-Trichloroethane
Concen: 19.593 ug/l
RT: 6.29 min Scan# 484
Delta R.T. -0.01 min
Lab File: VD059987.D
Acq: 10 Sep 2018 12:30

Tgt Ion: 97 Resp: 413509
Ion Ratio Lower Upper
97 100
99 62.8 51.7 77.5
61 42.0 35.4 53.2





#33

1,2-Dichloroethane-d4

Concen: 19.593 ug/l

RT: 6.78 min Scan# 534

Delta R.T. -0.02 min

Lab File: VD059987.D

Acq: 10 Sep 2018 12:30

Instrument :

MSVOA_D

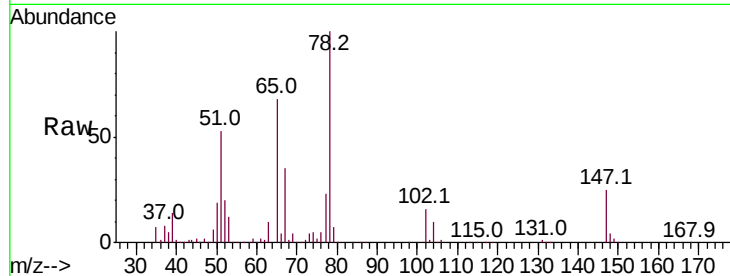
ClientSampleId :

Tot Ion: 65 Resp: 549796

Ion Ratio Lower Upper

65 100

67 51.6 0.0 103.8



Abundance Ion 64.95 (64.65 to 65.65): VDC

Ion 66.90 (66.60 to 67.60): VDC

6.78

250000

200000

150000

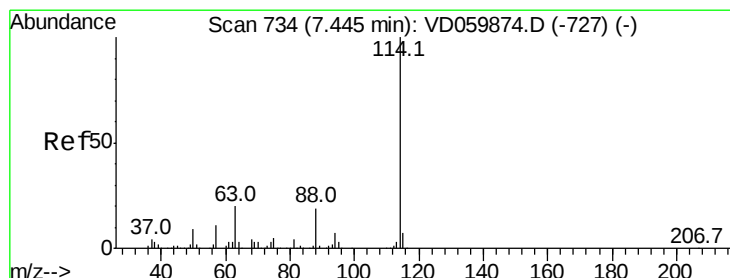
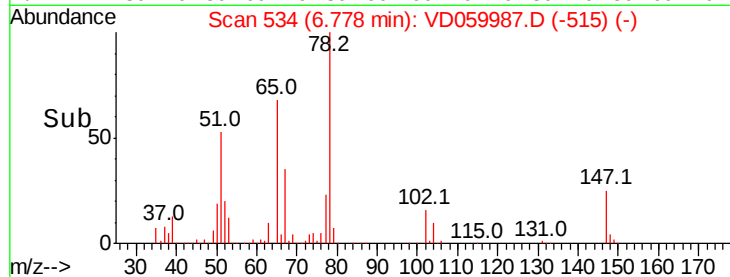
100000

50000

0

6.70 6.80 6.90

Time-->



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 7.44 min Scan# 601

Delta R.T. -0.01 min

Lab File: VD059987.D

Acq: 10 Sep 2018 12:30

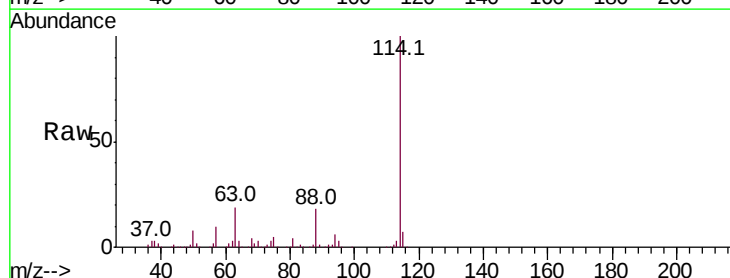
Tgt Ion:114 Resp: 1929697

Ion Ratio Lower Upper

114 100

63 18.7 0.0 39.4

88 17.9 0.0 37.6



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

1000000

800000

600000

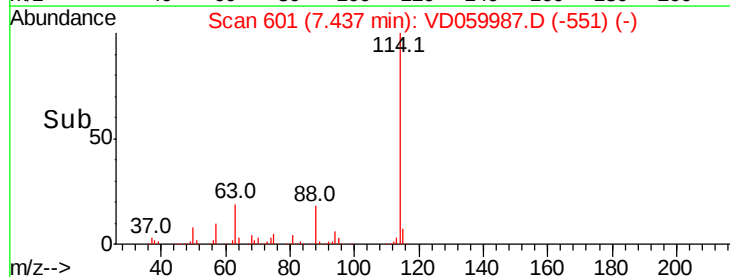
400000

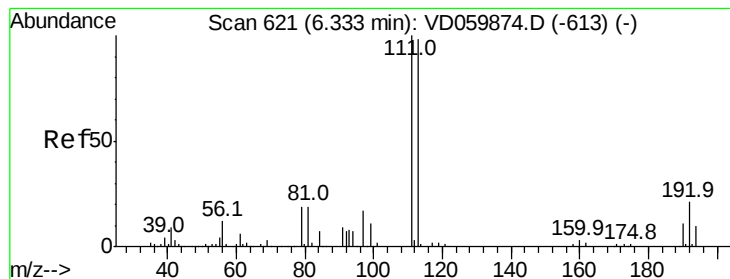
200000

0

7.20 7.40 7.60 7.80

Time-->





#35

Dibromofluoromethane

Concen: 50.000 ug/l

RT: 6.32 min Scan# 487

Delta R.T. -0.02 min

Lab File: VD059987.D

Acq: 10 Sep 2018 12:30

Instrument :

MSVOA_D

ClientSampleId :

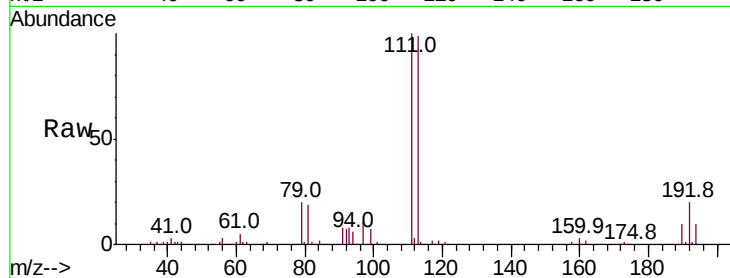
Tot Ion:113 Resp: 737914

Ion Ratio Lower Upper

113 100

111 101.5 81.4 122.2

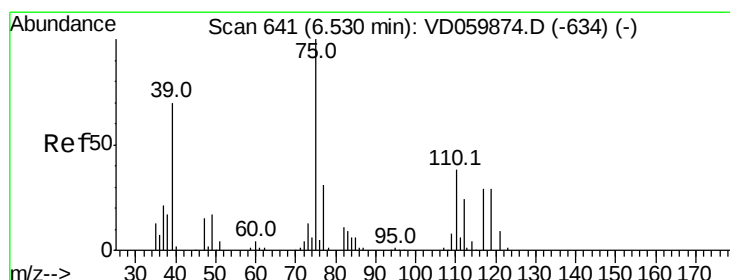
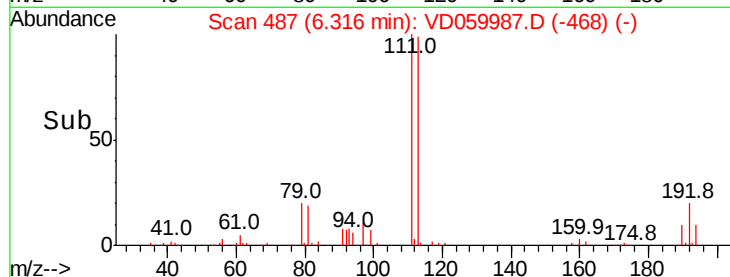
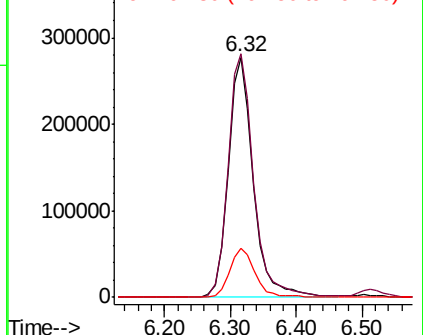
192 20.3 17.0 25.6



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: 19.590 ug/l

RT: 6.51 min Scan# 507

Delta R.T. -0.02 min

Lab File: VD059987.D

Acq: 10 Sep 2018 12:30

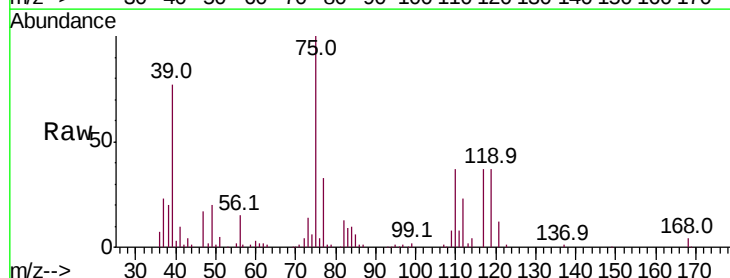
Tgt Ion: 75 Resp: 342689

Ion Ratio Lower Upper

75 100

110 36.8 18.6 56.0

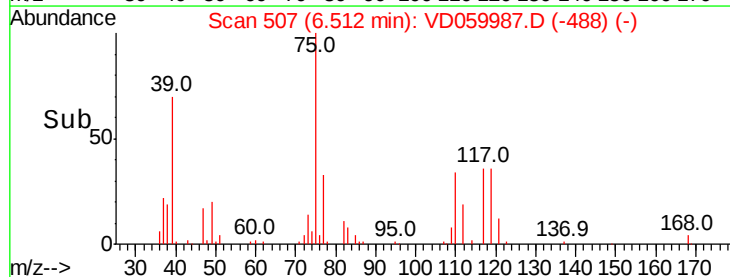
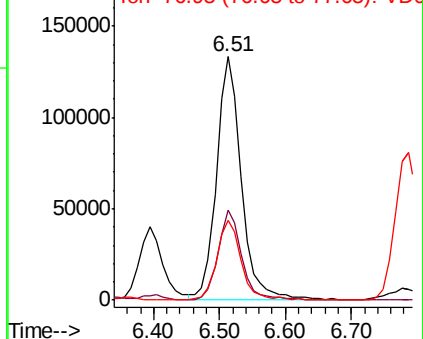
77 32.9 25.1 37.7

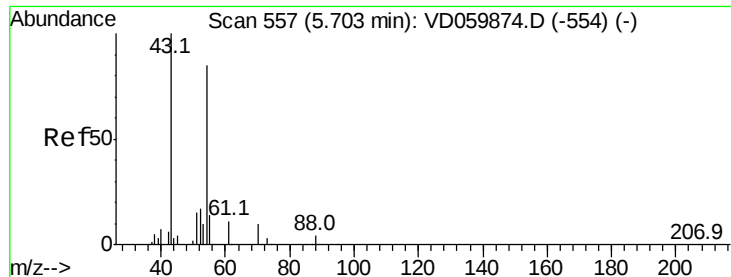


Abundance Ion 75.00 (74.70 to 75.70): V

Ion 109.90 (109.60 to 110.60): V

Ion 76.95 (76.65 to 77.65): V

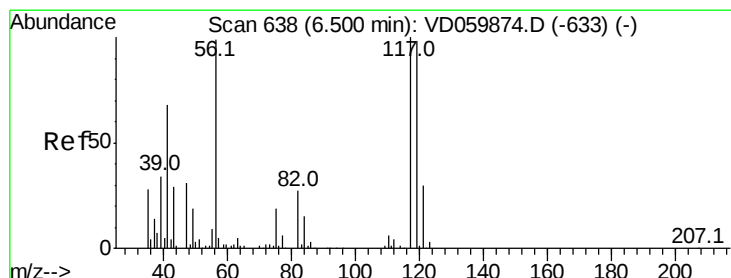
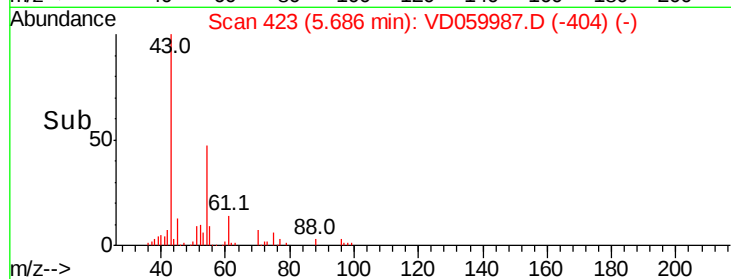
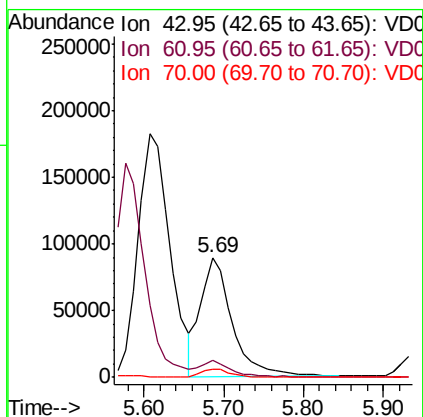
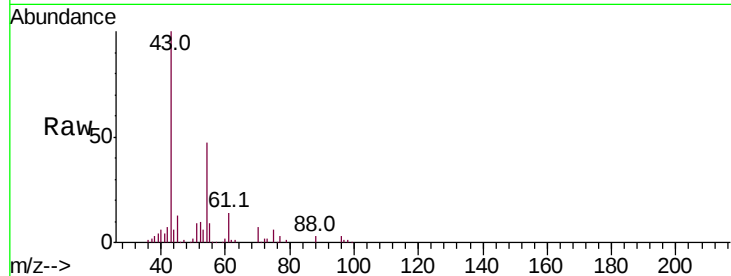




#37
Ethyl Acetate
Concen: 17.828 ug/l
RT: 5.69 min Scan# 423
Delta R.T. -0.02 min
Lab File: VD059987.D
Acq: 10 Sep 2018 12:30

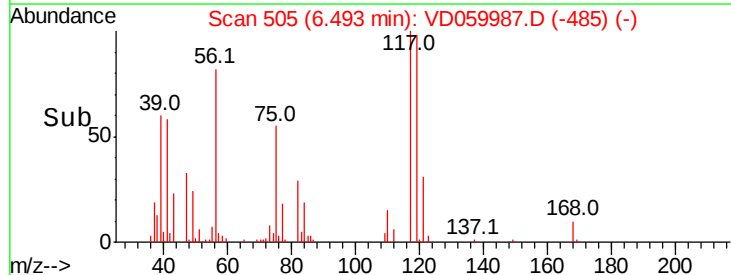
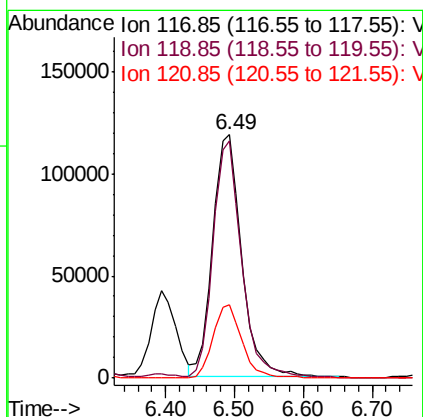
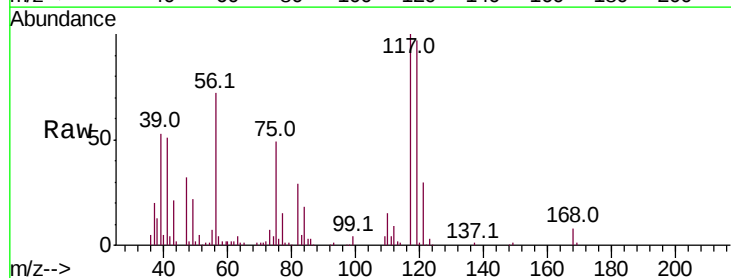
Instrument :
MSVOA_D
ClientSampled :

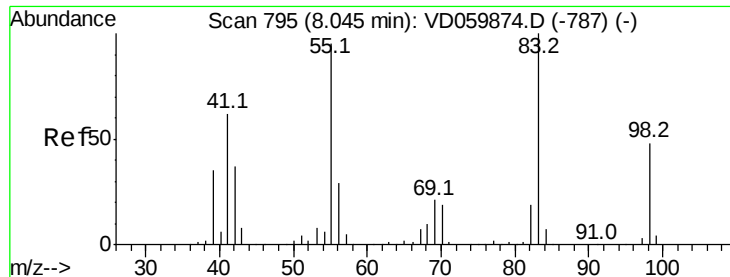
Tot Ion: 43 Resp: 242683
Ion Ratio Lower Upper
43 100
61 14.2 11.0 16.6
70 6.9 5.7 8.5



#38
Carbon Tetrachloride
Concen: 19.630 ug/l
RT: 6.49 min Scan# 505
Delta R.T. -0.01 min
Lab File: VD059987.D
Acq: 10 Sep 2018 12:30

Tgt Ion: 117 Resp: 346527
Ion Ratio Lower Upper
117 100
119 97.4 77.2 115.8
121 30.2 24.0 36.0

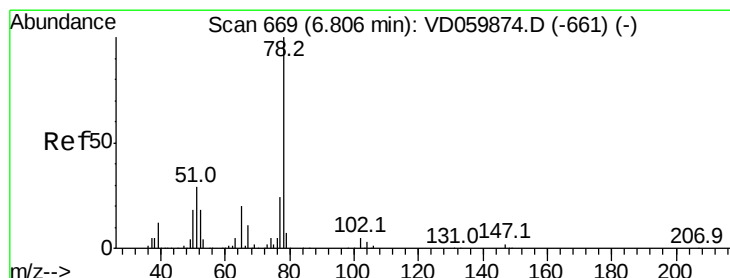
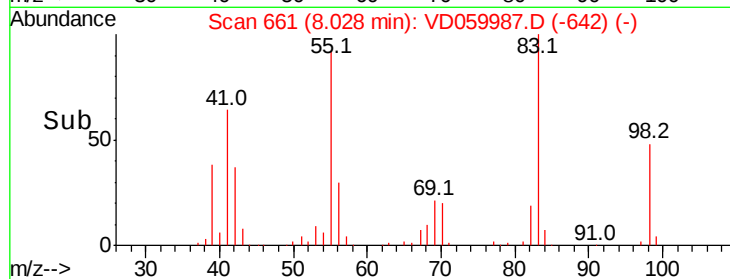
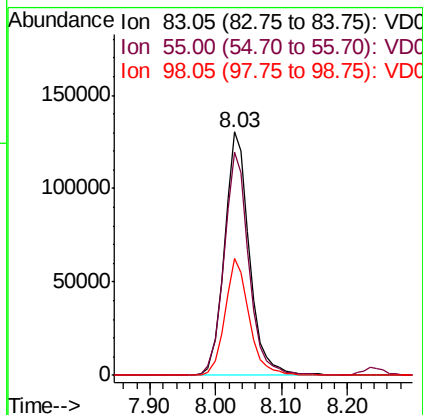
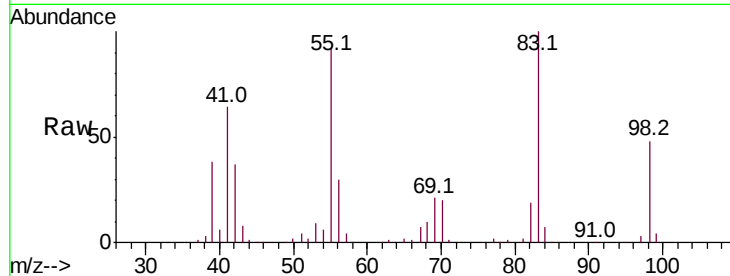




#39
Methvlcvclohexane
Concen: 18.158 ug/l
RT: 8.03 min Scan# 661
Delta R.T. -0.02 min
Lab File: VD059987.D
Acq: 10 Sep 2018 12:30

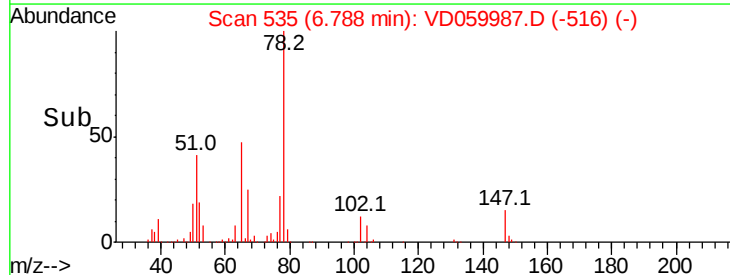
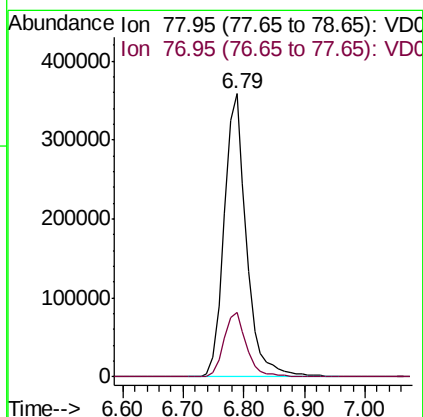
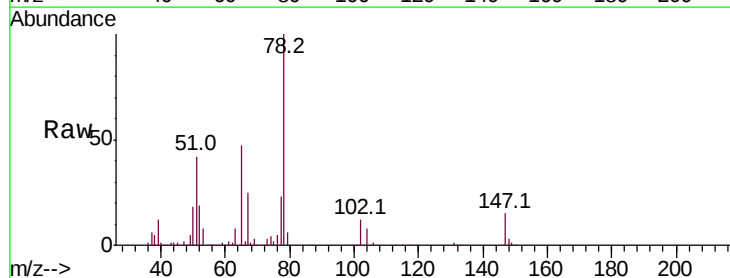
Instrument :
MSVOA_D
ClientSampleId :

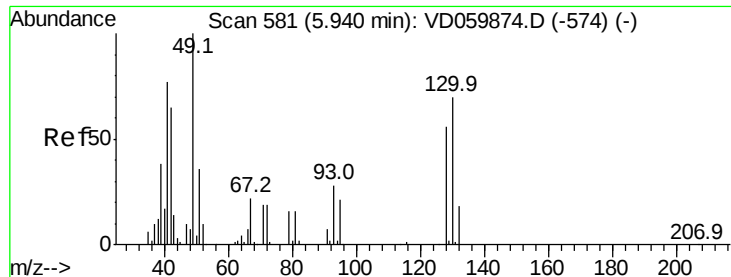
Tot Ion: 83 Resp: 343182
Ion Ratio Lower Upper
83 100
55 91.9 75.8 113.6
98 48.1 38.3 57.5



#40
Benzene
Concen: 20.138 ug/l
RT: 6.79 min Scan# 535
Delta R.T. -0.02 min
Lab File: VD059987.D
Acq: 10 Sep 2018 12:30

Tgt Ion: 78 Resp: 915997
Ion Ratio Lower Upper
78 100
77 22.6 19.0 28.4

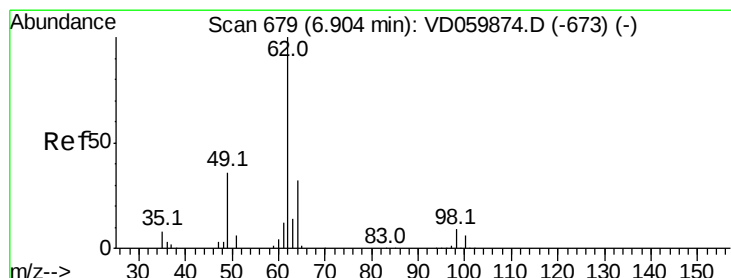
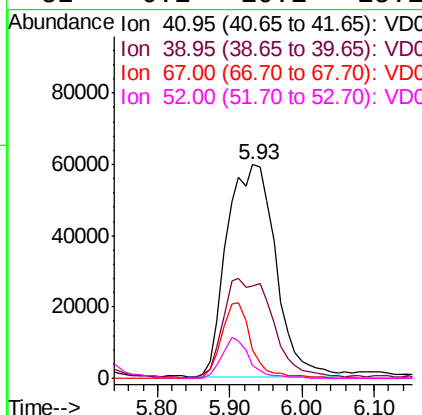
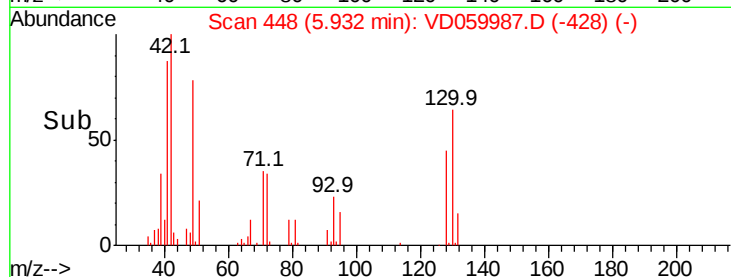
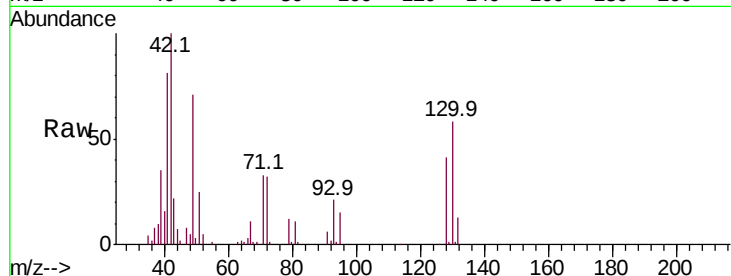




#41
Methacrylonitrile
Concen: 40.705 ug/l
RT: 5.93 min Scan# 448
Delta R.T. -0.01 min
Lab File: VD059987.D
Acq: 10 Sep 2018 12:30

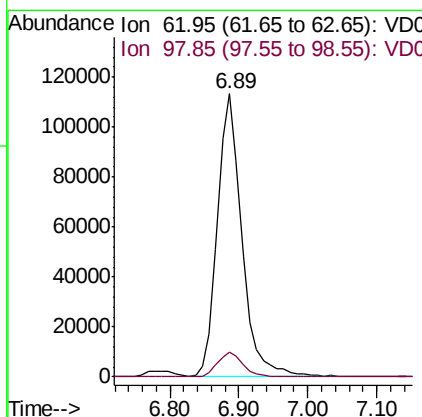
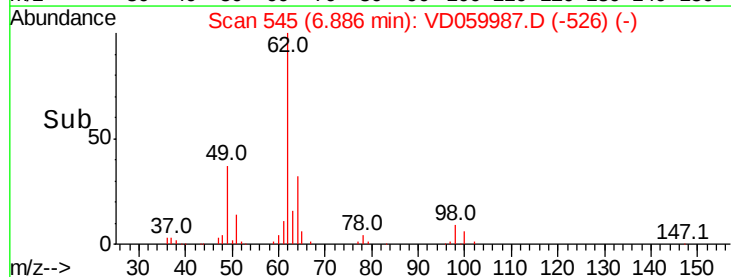
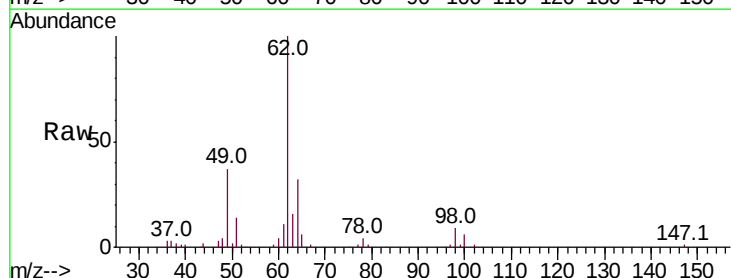
Instrument :
MSVOA_D
ClientSampleId :

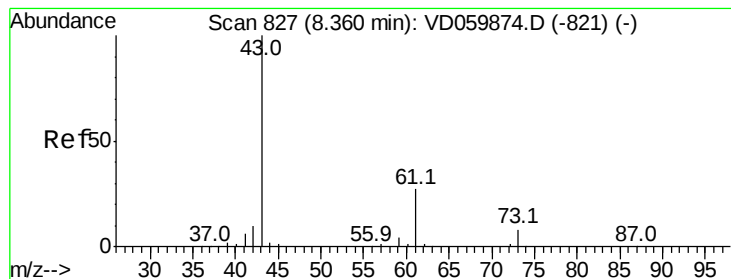
Tot Ion: 41 Resp: 279111
Ion Ratio Lower Upper
41 100
39 43.1 39.4 59.2
67 13.2 22.2 33.2#
52 6.1 10.1 15.1#



#42
1,2-Dichloroethane
Concen: 19.181 ug/l
RT: 6.89 min Scan# 545
Delta R.T. -0.02 min
Lab File: VD059987.D
Acq: 10 Sep 2018 12:30

Tgt Ion: 62 Resp: 280073
Ion Ratio Lower Upper
62 100
98 9.0 0.0 18.4





#43

Isopropyl Acetate

Concen: 18.242 ug/l

RT: 8.34 min Scan# 693

Delta R.T. -0.02 min

Lab File: VD059987.D

Acq: 10 Sep 2018 12:30

Instrument :

MSVOA_D

ClientSampleId :

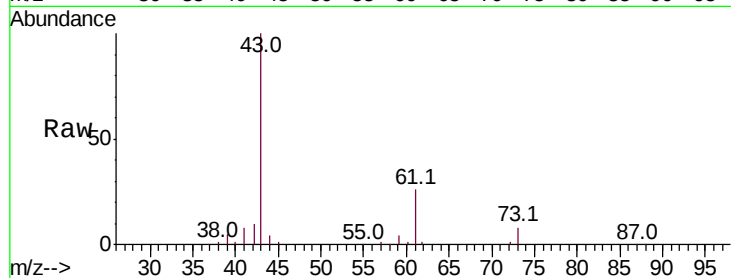
Tot Ion: 43 Resp: 323046

Ion Ratio Lower Upper

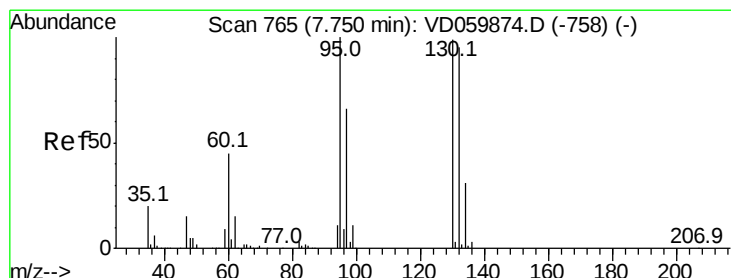
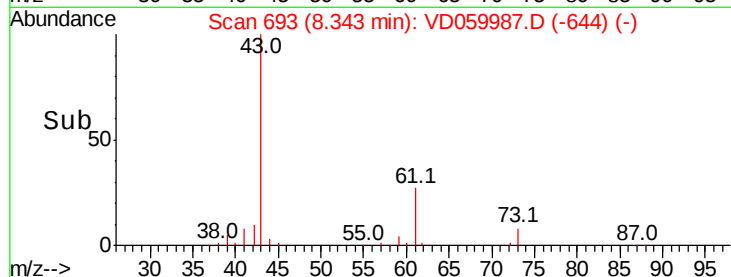
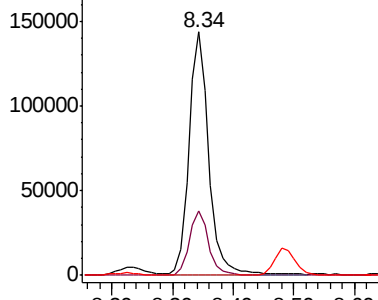
43 100

61 26.5 21.4 32.2

87 0.2 0.2 0.4#



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: 19.863 ug/l

RT: 7.73 min Scan# 631

Delta R.T. -0.02 min

Lab File: VD059987.D

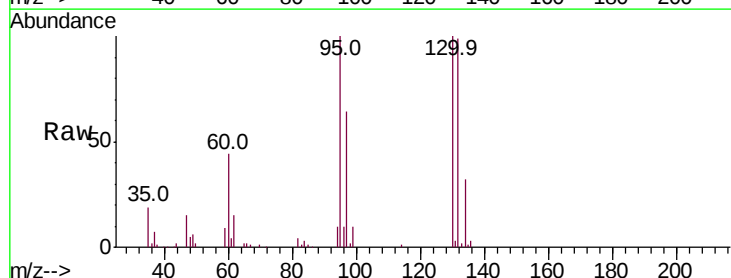
Acq: 10 Sep 2018 12:30

Tgt Ion:130 Resp: 266014

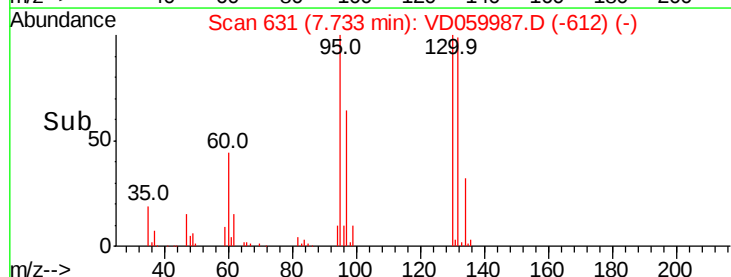
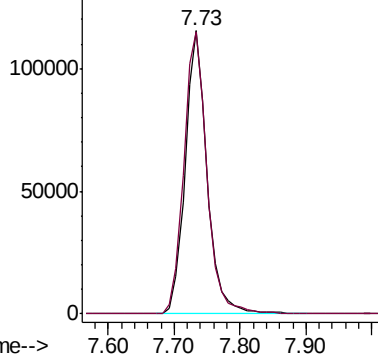
Ion Ratio Lower Upper

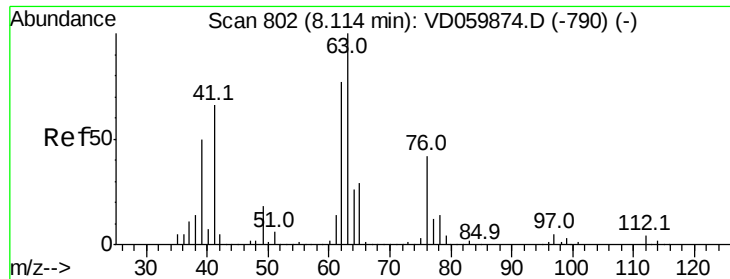
130 100

95 99.9 0.0 202.0



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





#45

1,2-Dichloropropane

Concen: 19.741 ug/l

RT: 8.10 min Scan# 668

Delta R.T. -0.02 min

Lab File: VD059987.D

Acq: 10 Sep 2018 12:30

Instrument :

MSVOA_D

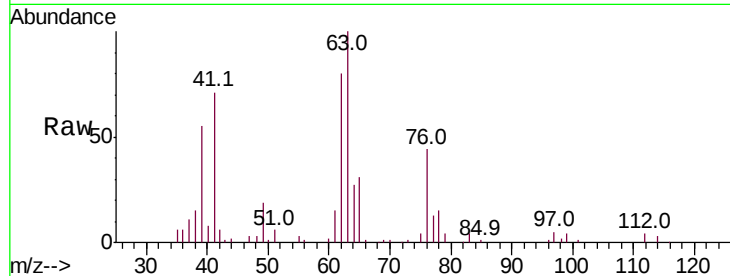
ClientSampled :

Tot Ion: 63 Resp: 250980

Ion Ratio Lower Upper

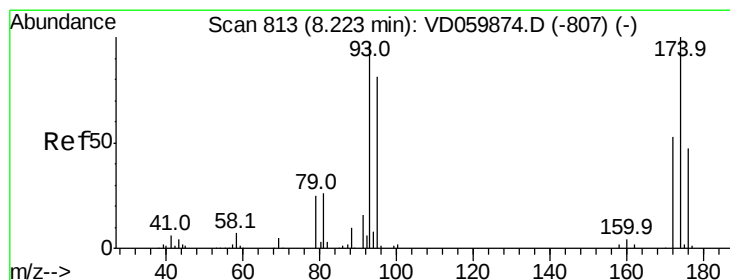
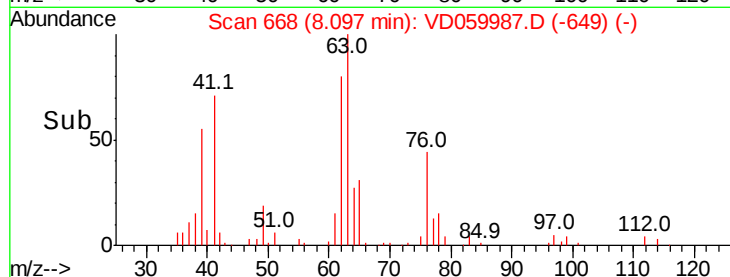
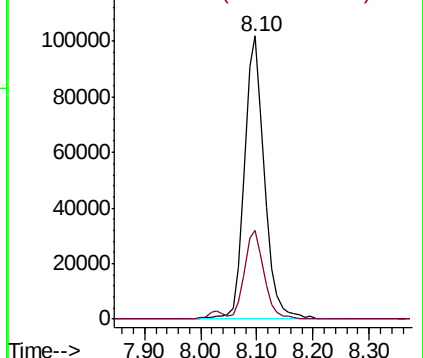
63 100

65 31.4 23.5 35.3



Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 64.95 (64.65 to 65.65): VDC



#46

Dibromomethane

Concen: 18.856 ug/l

RT: 8.20 min Scan# 679

Delta R.T. -0.02 min

Lab File: VD059987.D

Acq: 10 Sep 2018 12:30

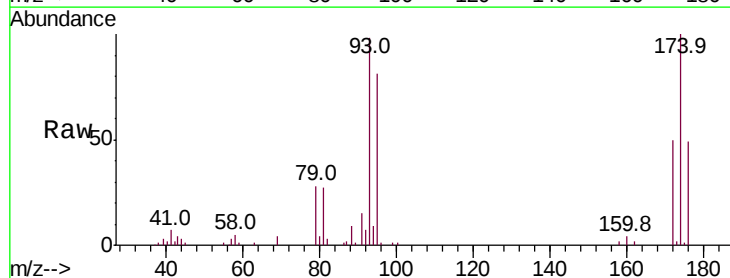
Tgt Ion: 93 Resp: 154142

Ion Ratio Lower Upper

93 100

95 82.6 66.6 100.0

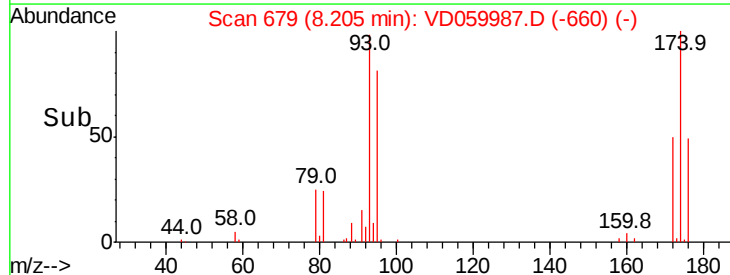
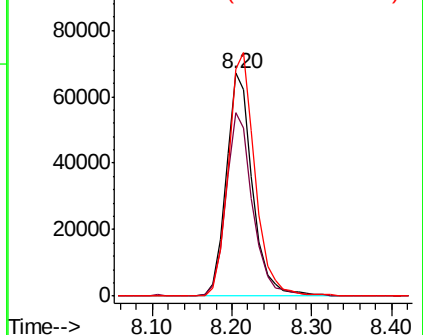
174 101.8 82.4 123.6

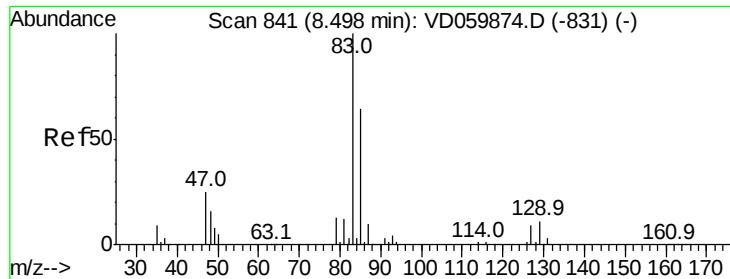


Abundance Ion 92.90 (92.60 to 93.60): VDC

Ion 94.90 (94.60 to 95.60): VDC

Ion 173.80 (173.50 to 174.50): V





#47

Bromodichloromethane

Concen: 19.508 ug/l

RT: 8.48 min Scan# 707

Delta R.T. -0.02 min

Lab File: VD059987.D

Acq: 10 Sep 2018 12:30

Instrument :

MSVOA_D

ClientSampleId :

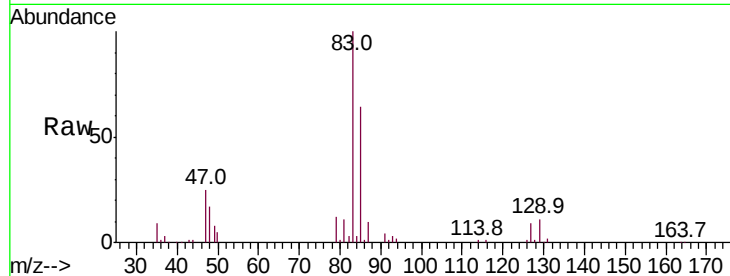
Tot Ion: 83 Resp: 361019

Ion Ratio Lower Upper

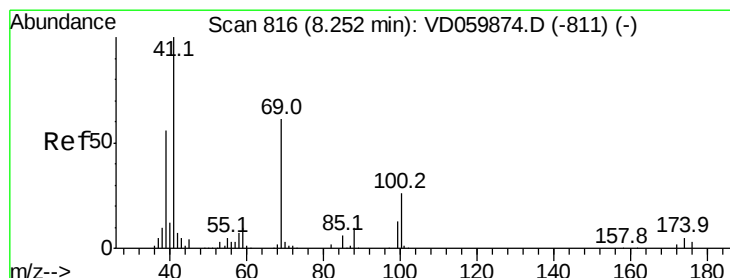
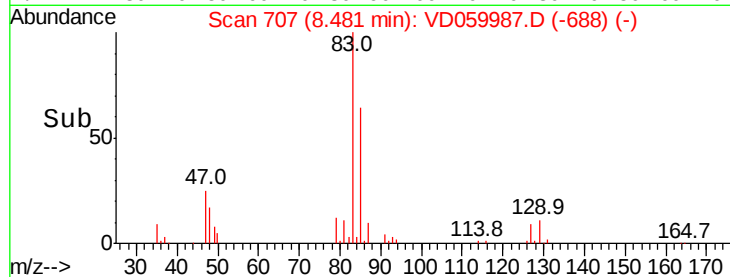
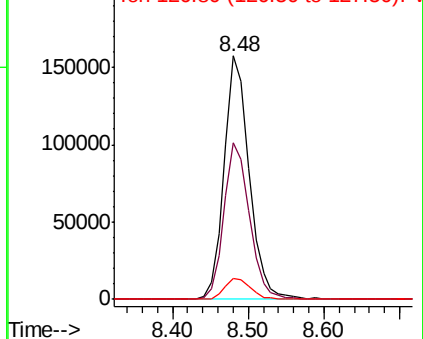
83 100

85 64.3 51.3 76.9

127 8.5 7.0 10.4



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): VDC



#48

Methyl methacrylate

Concen: 17.692 ug/l

RT: 8.23 min Scan# 682

Delta R.T. -0.02 min

Lab File: VD059987.D

Acq: 10 Sep 2018 12:30

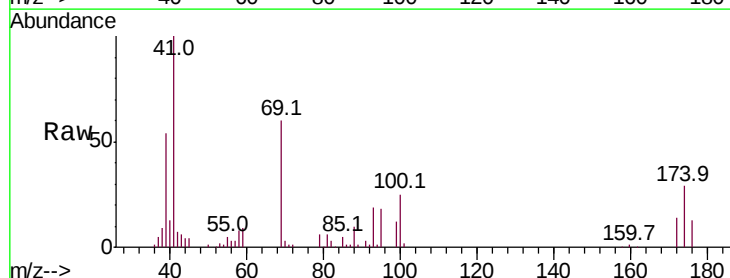
Tgt Ion: 41 Resp: 182639

Ion Ratio Lower Upper

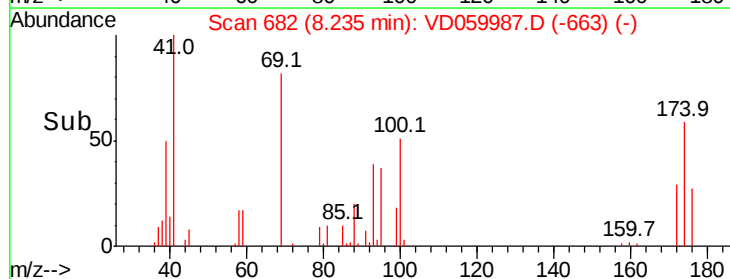
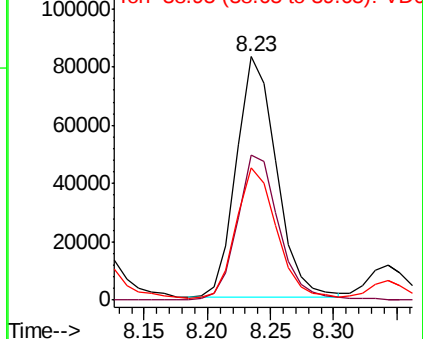
41 100

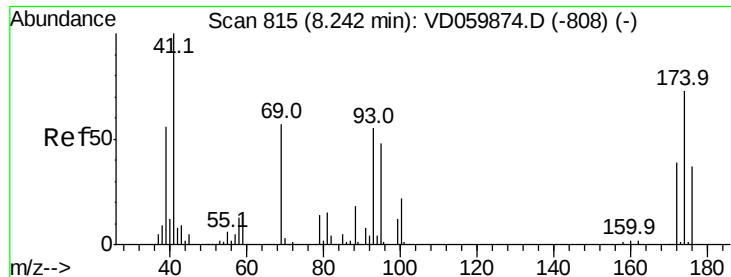
69 59.7 48.0 72.0

39 54.4 45.4 68.0



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: 369.473 ug/l

RT: 8.22 min Scan# 681

Delta R.T. -0.02 min

Lab File: VD059987.D

Acq: 10 Sep 2018 12:30

Instrument :

MSVOA_D

ClientSampleId :

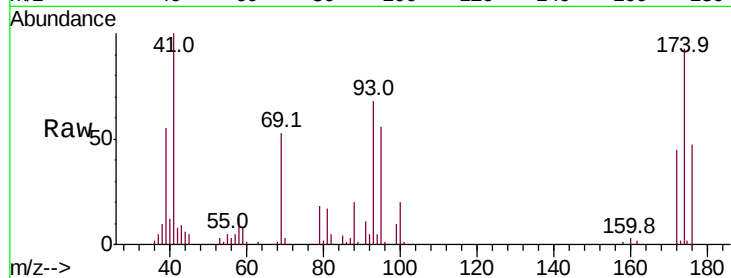
Tot Ion: 88 Resp: 34052

Ion Ratio Lower Upper

88 100

43 45.8 45.0 67.6

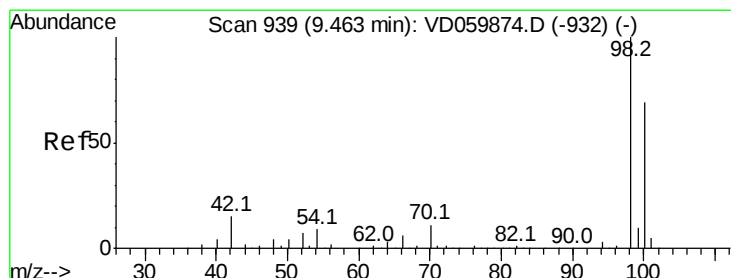
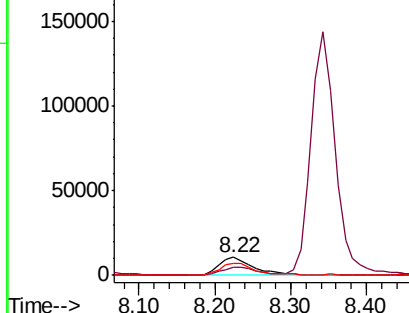
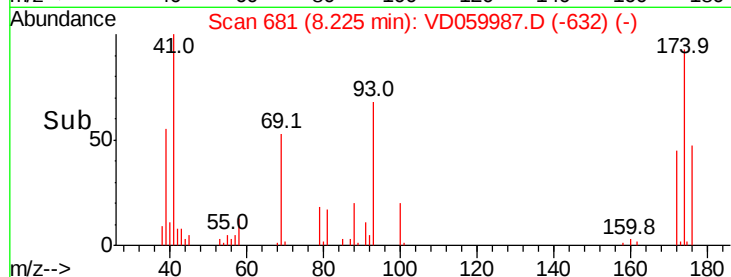
58 64.0 55.8 83.8



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: 369.473 ug/l

RT: 9.44 min Scan# 805

Delta R.T. -0.02 min

Lab File: VD059987.D

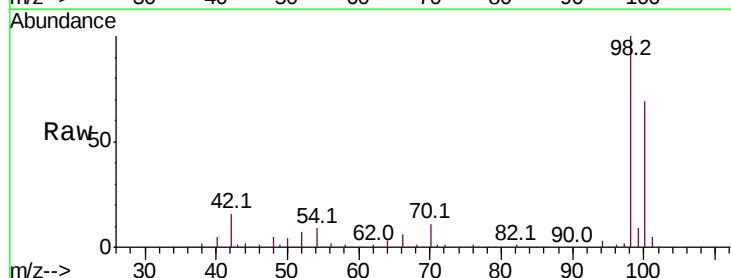
Acq: 10 Sep 2018 12:30

Tgt Ion: 98 Resp: 2048032

Ion Ratio Lower Upper

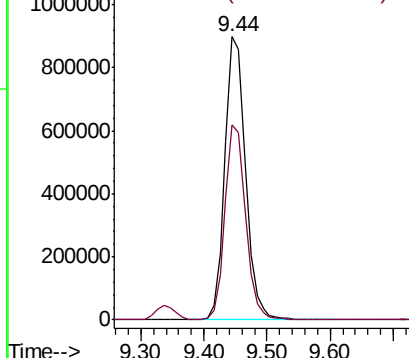
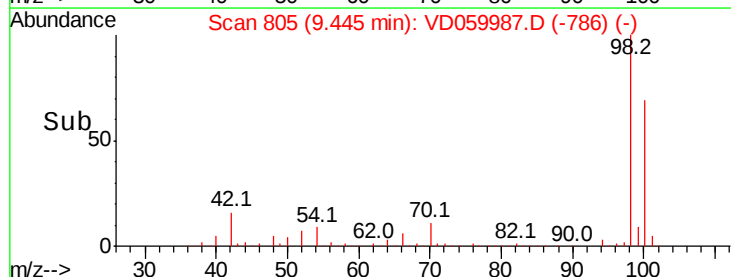
98 100

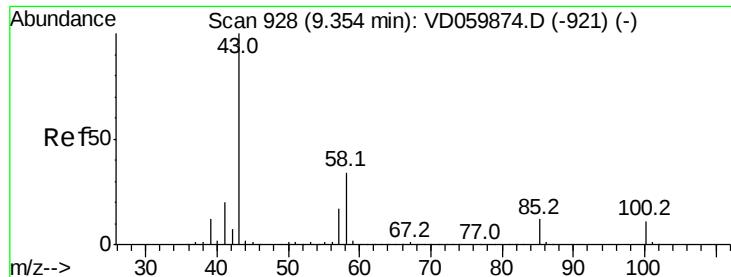
100 69.1 55.8 83.6



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: 80.364 ug/l

RT: 9.34 min Scan# 794

Delta R.T. -0.02 min

Lab File: VD059987.D

Acq: 10 Sep 2018 12:30

Instrument :

MSVOA_D

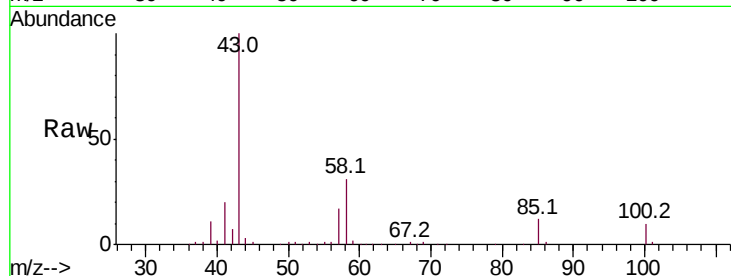
ClientSampleId :

Tot Ion: 43 Resp: 1060996

Ion Ratio Lower Upper

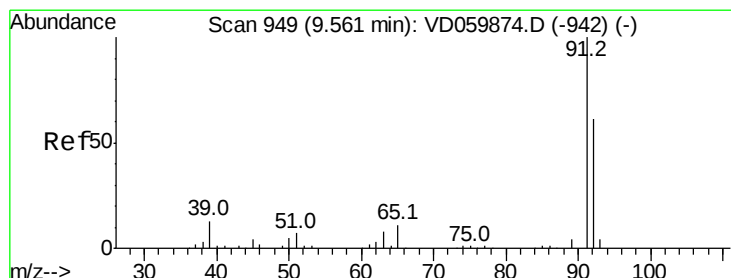
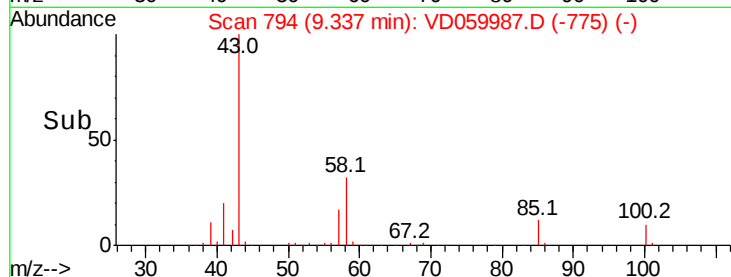
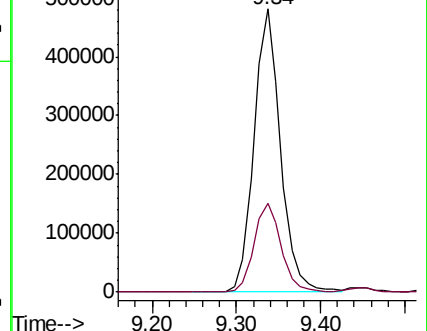
43 100

58 31.4 27.0 40.4



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC



#52

Toluene

Concen: 20.437 ug/l

RT: 9.54 min Scan# 815

Delta R.T. -0.02 min

Lab File: VD059987.D

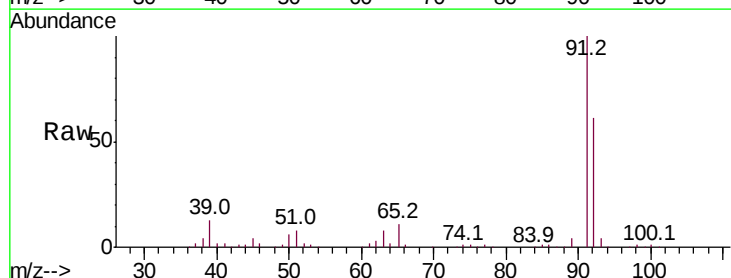
Acq: 10 Sep 2018 12:30

Tgt Ion: 92 Resp: 596082

Ion Ratio Lower Upper

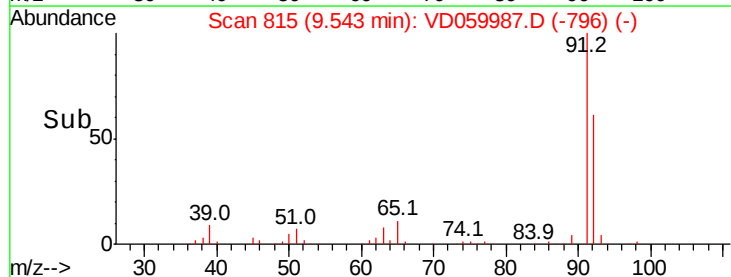
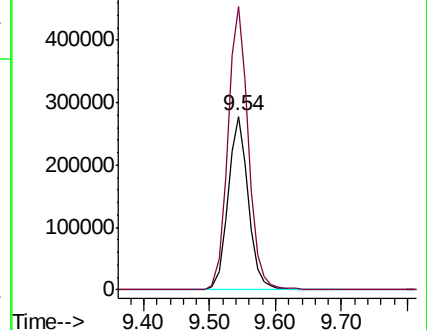
92 100

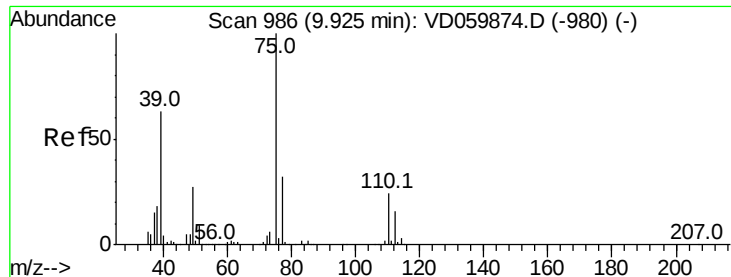
91 163.3 131.4 197.2



Abundance Ion 92.00 (91.70 to 92.70): VDC

Ion 91.00 (90.70 to 91.70): VDC

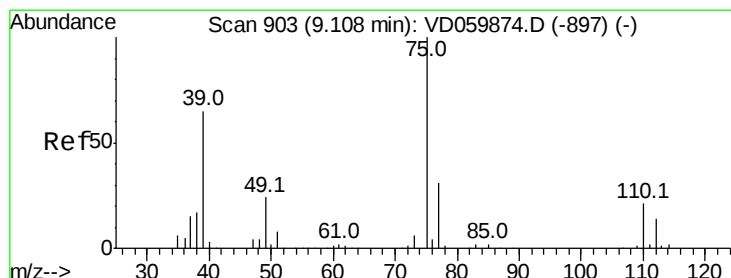
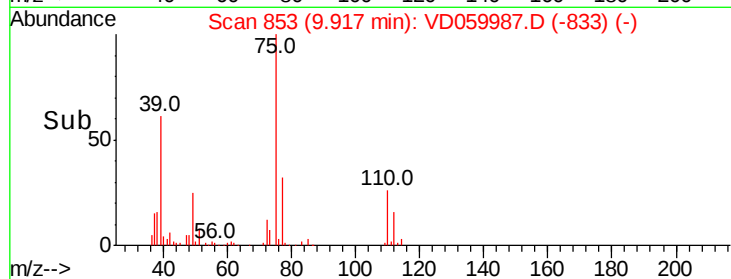
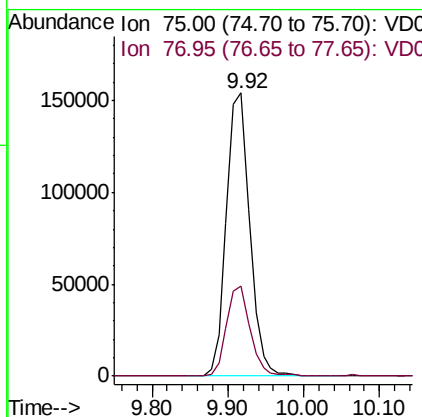
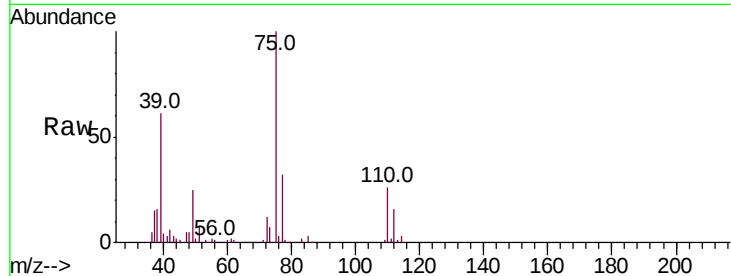




#53
t-1,3-Dichloropropene
Concen: 19.251 ug/l
RT: 9.92 min Scan# 853
Delta R.T. -0.01 min
Lab File: VD059987.D
Acq: 10 Sep 2018 12:30

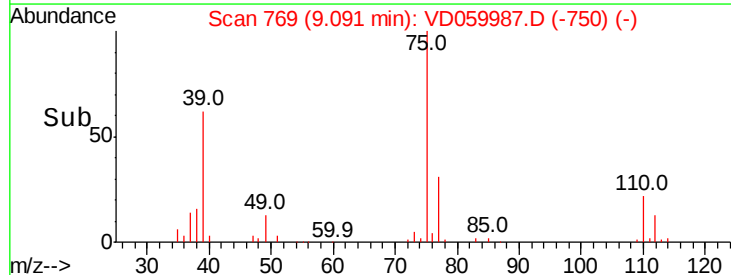
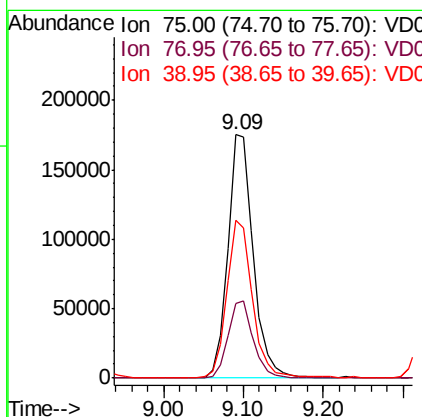
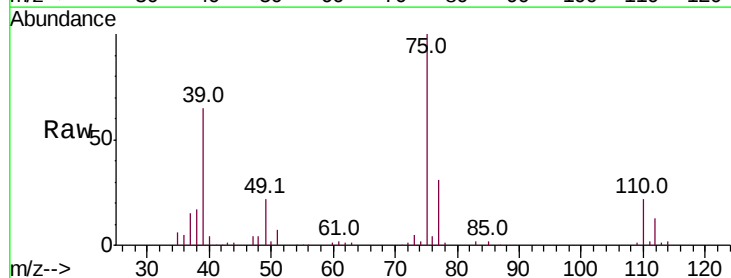
Instrument :
MSVOA_D
ClientSampleId :

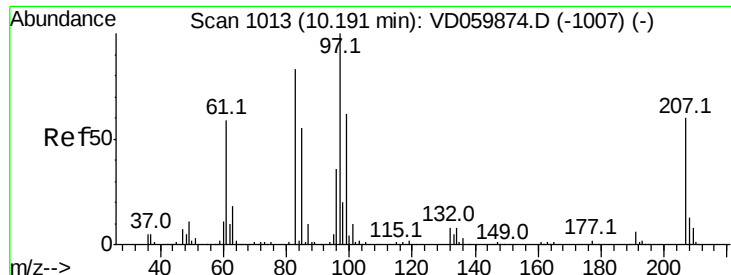
Tot Ion: 75 Resp: 329516
Ion Ratio Lower Upper
75 100
77 32.0 25.4 38.2



#54
cis-1,3-Dichloropropene
Concen: 19.733 ug/l
RT: 9.09 min Scan# 769
Delta R.T. -0.02 min
Lab File: VD059987.D
Acq: 10 Sep 2018 12:30

Tgt Ion: 75 Resp: 391627
Ion Ratio Lower Upper
75 100
77 30.8 24.8 37.2
39 64.7 52.1 78.1

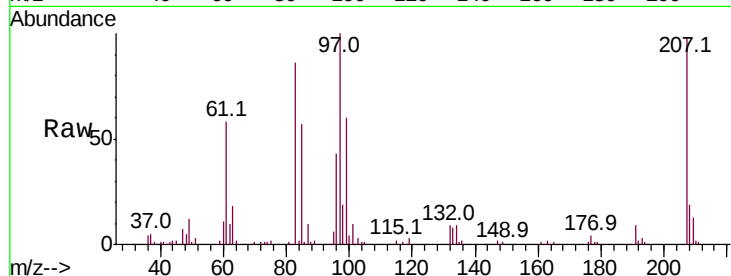




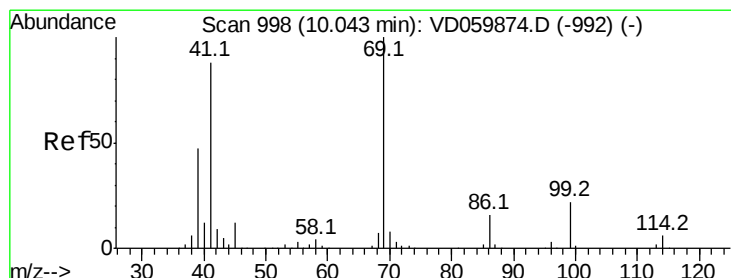
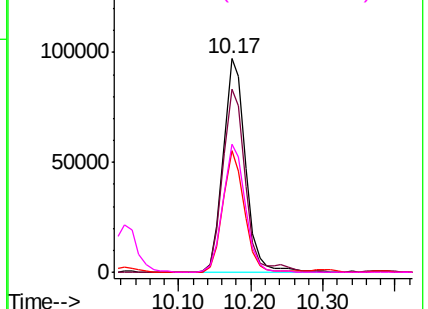
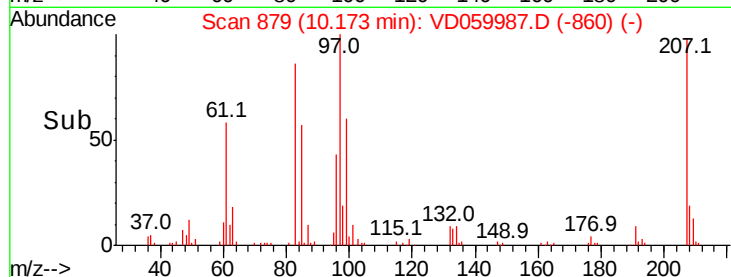
#55
 1,1,2-Trichloroethane
 Concen: 19.580 ug/l
 RT: 10.17 min Scan# 879
 Delta R.T. -0.02 min
 Lab File: VD059987.D
 Acq: 10 Sep 2018 12:30

Instrument :
 MSVOA_D
 ClientSampled :

Tot Ion: 97 Resp: 208749
 Ion Ratio Lower Upper
 97 100
 83 85.7 66.7 100.1
 85 57.2 43.8 65.6
 99 60.2 49.8 74.6

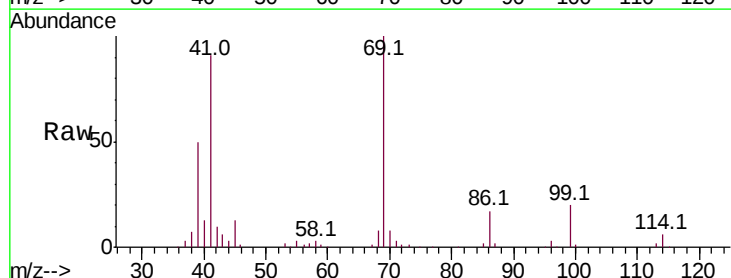


Abundance Ion 96.85 (96.55 to 97.55): VDC
 150000 Ion 82.95 (82.65 to 83.65): VDC
 Ion 84.95 (84.65 to 85.65): VDC
 Ion 98.85 (98.55 to 99.55): VDC

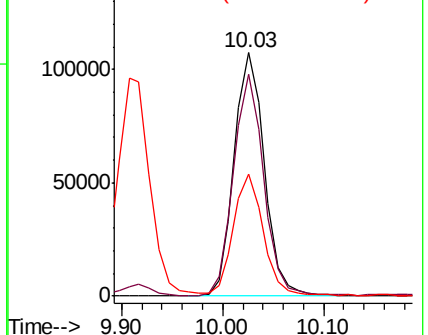
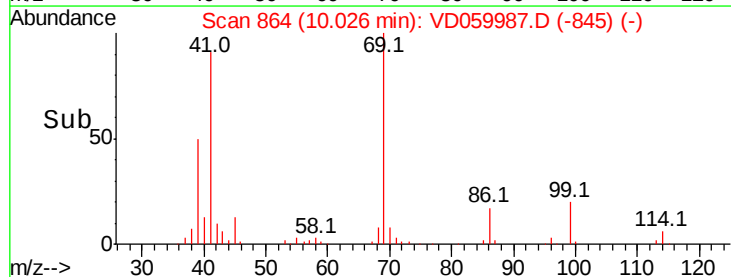


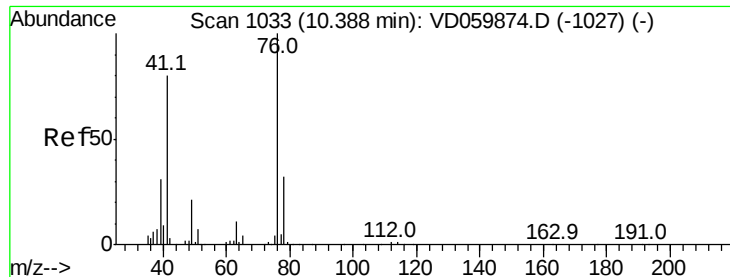
#56
 Ethyl methacrylate
 Concen: 18.225 ug/l
 RT: 10.03 min Scan# 864
 Delta R.T. -0.02 min
 Lab File: VD059987.D
 Acq: 10 Sep 2018 12:30

Tgt Ion: 69 Resp: 224249
 Ion Ratio Lower Upper
 69 100
 41 91.0 71.0 106.4
 39 50.4 38.5 57.7



Abundance Ion 69.00 (68.70 to 69.70): VDC
 150000 Ion 41.05 (40.75 to 41.75): VDC
 Ion 38.95 (38.65 to 39.65): VDC





#57

1,3-Dichloropropane

Concen: 20.909 ug/l

RT: 10.38 min Scan# 900

Delta R.T. -0.01 min

Lab File: VD059987.D

Acq: 10 Sep 2018 12:30

Instrument :

MSVOA_D

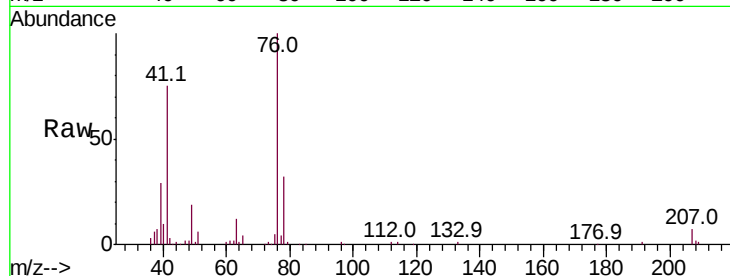
ClientSampleId :

Tot Ion: 76 Resp: 322650

Ion Ratio Lower Upper

76 100

78 32.1 25.8 38.6



Abundance Ion 75.95 (75.65 to 76.65): VDC

Ion 77.95 (77.65 to 78.65): VDC

10.38

150000

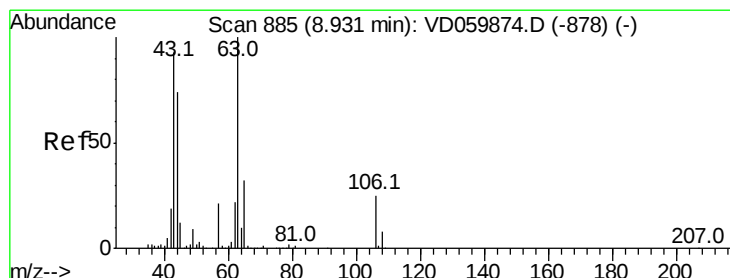
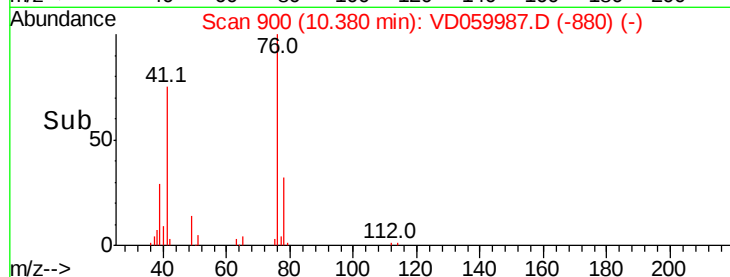
100000

50000

0

Time-->

10.30 10.40 10.50



#58

2-Chloroethyl Vinyl ether

Concen: 105.423 ug/l

RT: 8.91 min Scan# 751

Delta R.T. -0.02 min

Lab File: VD059987.D

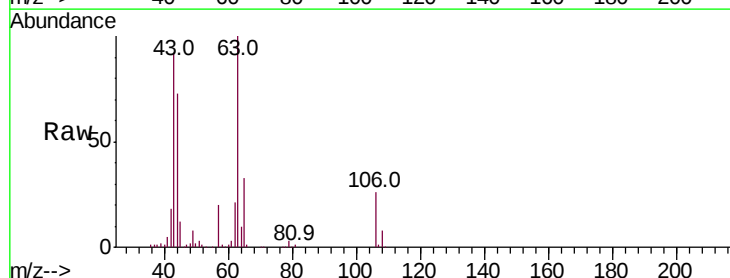
Acq: 10 Sep 2018 12:30

Tgt Ion: 63 Resp: 622265

Ion Ratio Lower Upper

63 100

106 25.7 20.1 30.1



Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 105.95 (105.65 to 106.65): V

8.91

300000

250000

200000

150000

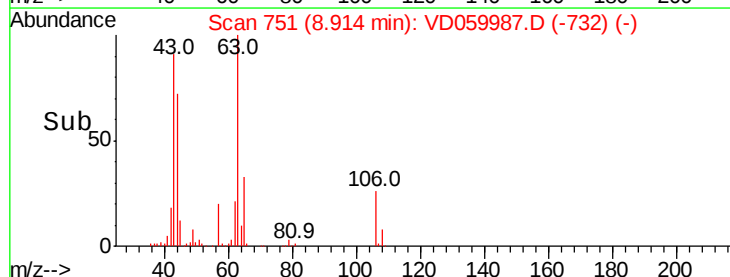
100000

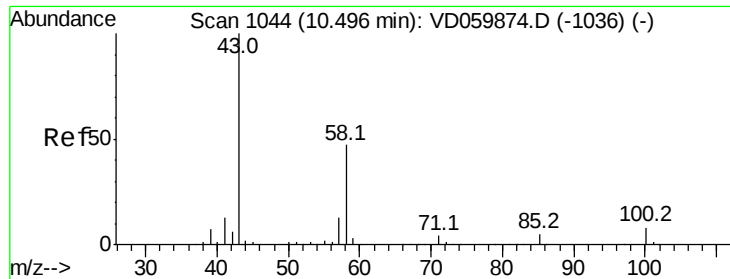
50000

0

Time-->

8.80 8.90 9.00 9.10





#59

2-Hexanone

Concen: 82.619 ug/l

RT: 10.49 min Scan# 911

Delta R.T. -0.01 min

Lab File: VD059987.D

Acq: 10 Sep 2018 12:30

Instrument :

MSVOA_D

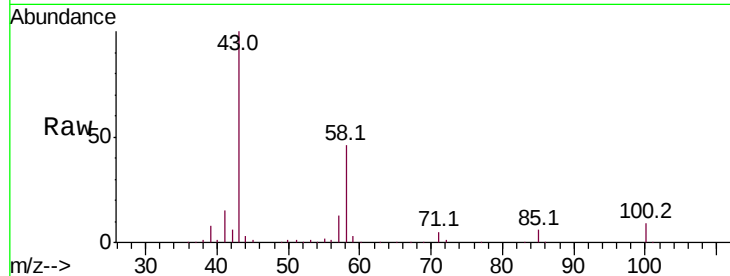
ClientSampled :

Tot Ion: 43 Resp: 804532

Ion Ratio Lower Upper

43 100

58 45.9 23.3 69.8



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC

10.49

400000

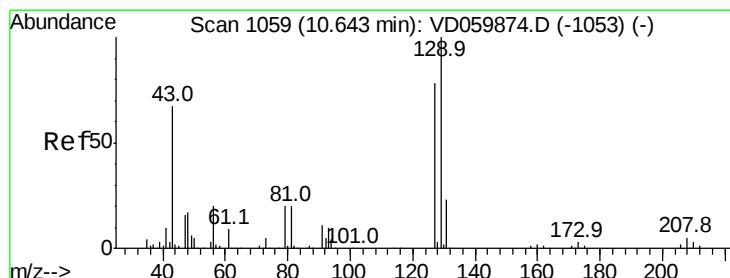
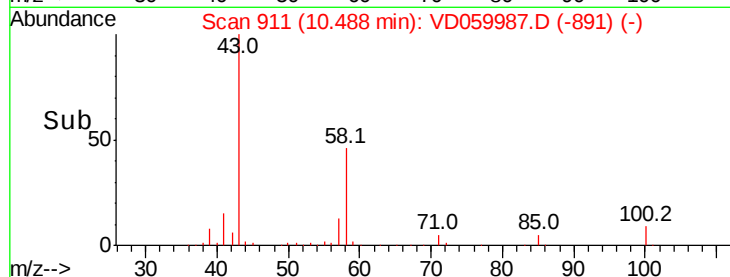
300000

200000

100000

0

Time-->



#60

Dibromochloromethane

Concen: 19.082 ug/l

RT: 10.64 min Scan# 926

Delta R.T. -0.01 min

Lab File: VD059987.D

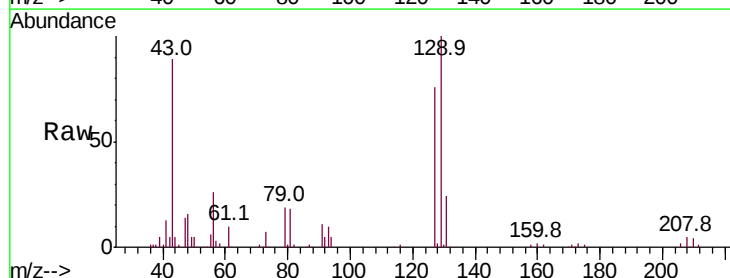
Acq: 10 Sep 2018 12:30

Tgt Ion: 129 Resp: 255707

Ion Ratio Lower Upper

129 100

127 76.0 39.1 117.2



Abundance Ion 128.80 (128.50 to 129.50): V

Ion 126.80 (126.50 to 127.50): V

10.64

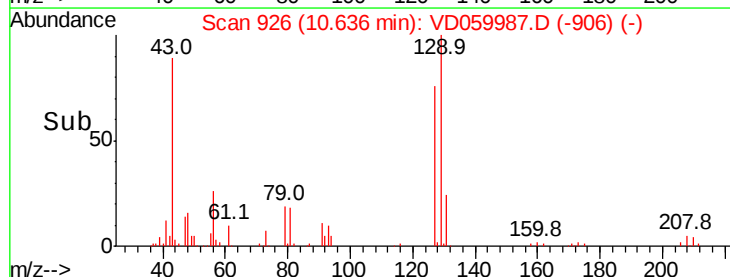
150000

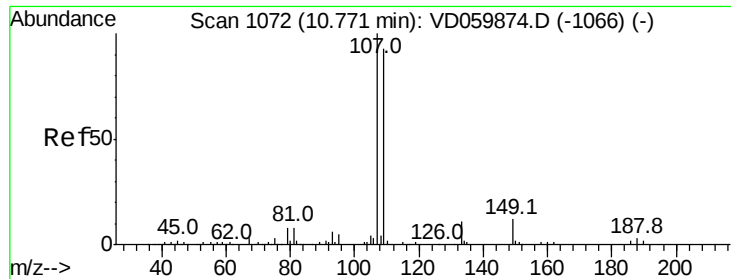
100000

50000

0

Time-->





#61

1,2-Dibromoethane

Concen: 19.127 ug/l

RT: 10.75 min Scan# 938

Delta R.T. -0.02 min

Lab File: VD059987.D

Acq: 10 Sep 2018 12:30

Instrument :

MSVOA_D

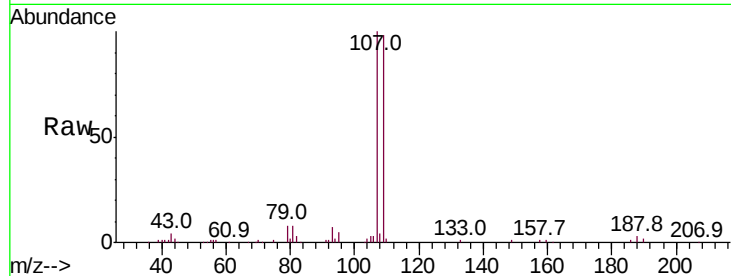
ClientSampled :

Tot Ion:107 Resp: 206184

Ion Ratio Lower Upper

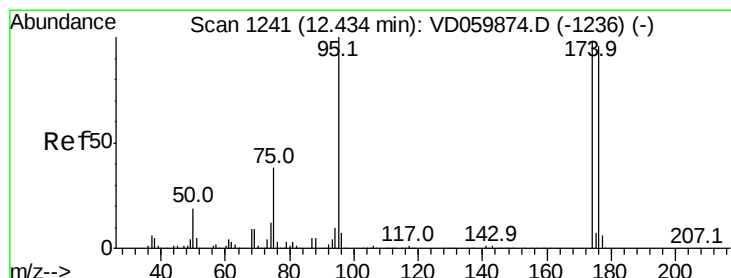
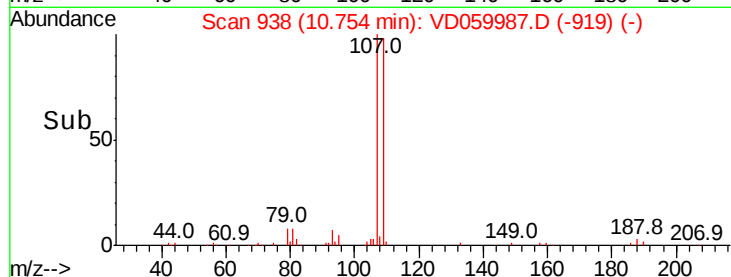
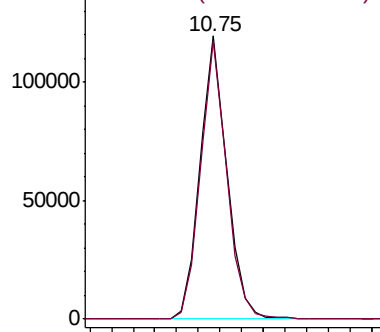
107 100

109 98.5 74.6 112.0



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.90 (108.60 to 109.60): V



#62

4-Bromofluorobenzene

Concen: 19.127 ug/l

RT: 12.43 min Scan# 1108

Delta R.T. -0.01 min

Lab File: VD059987.D

Acq: 10 Sep 2018 12:30

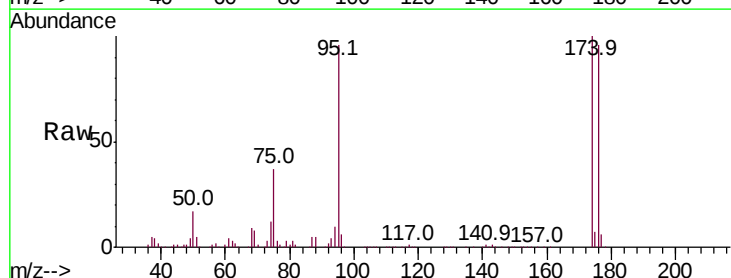
Tgt Ion: 95 Resp: 797380

Ion Ratio Lower Upper

95 100

174 104.0 0.0 195.6

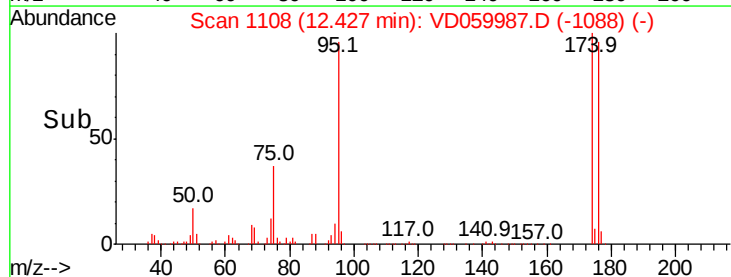
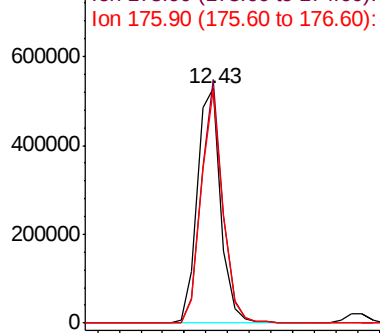
176 99.9 0.0 191.2

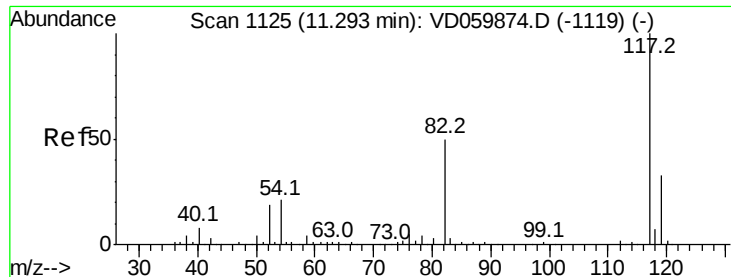


Abundance Ion 95.00 (94.70 to 95.70): V

Ion 173.90 (173.60 to 174.60): V

Ion 175.90 (175.60 to 176.60): V

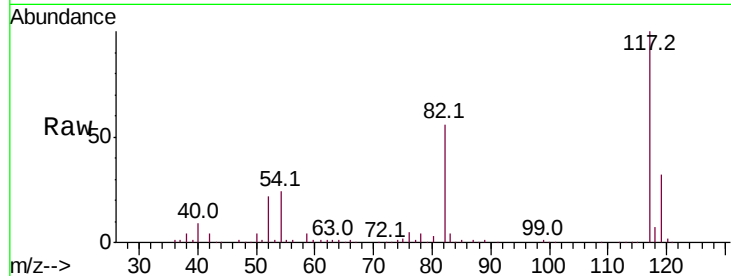




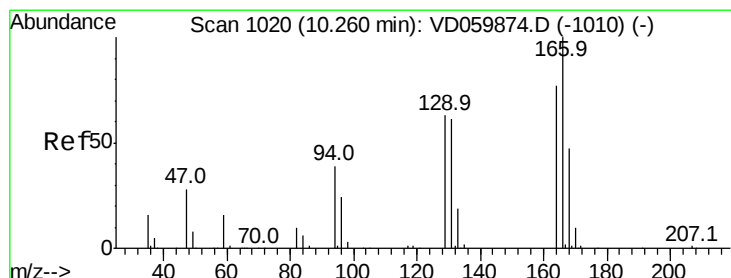
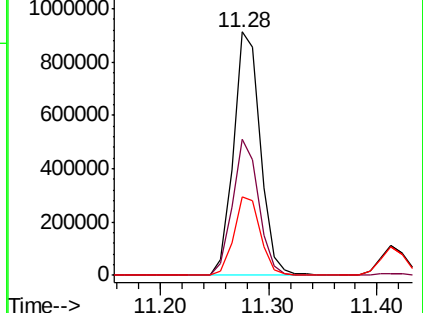
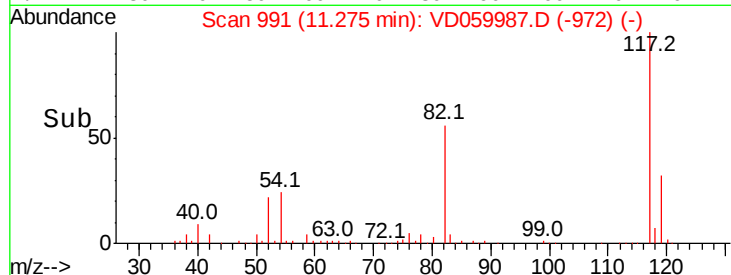
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.28 min Scan# 991
Delta R.T. -0.02 min
Lab File: VD059987.D
Acq: 10 Sep 2018 12:30

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion:117 Resp: 1573065
Ion Ratio Lower Upper
117 100
82 55.9 40.1 60.1
119 32.4 26.7 40.1

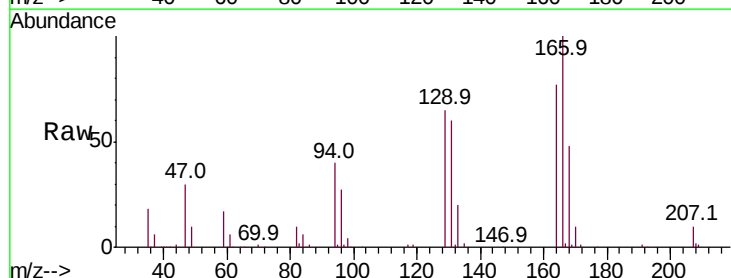


Abundance Ion 116.95 (116.65 to 117.65): V
Ion 82.05 (81.75 to 82.75): V
Ion 118.95 (118.65 to 119.65): V

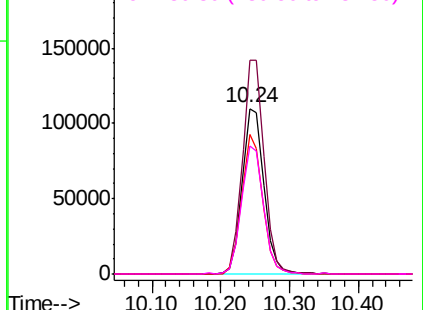
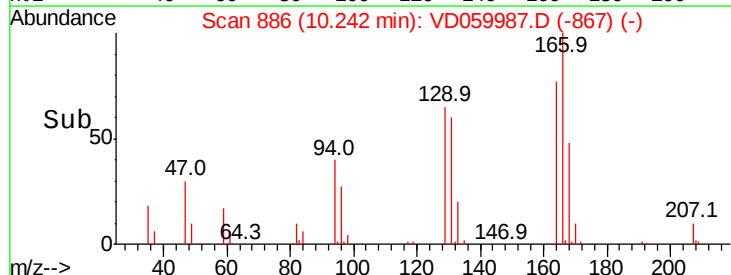


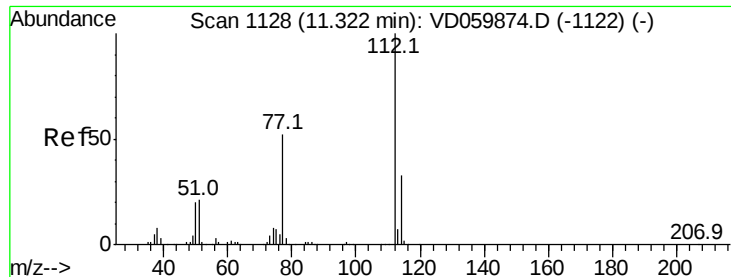
#64
Tetrachloroethene
Concen: 19.798 ug/l
RT: 10.24 min Scan# 886
Delta R.T. -0.02 min
Lab File: VD059987.D
Acq: 10 Sep 2018 12:30

Tgt Ion:164 Resp: 240815
Ion Ratio Lower Upper
164 100
166 129.3 103.4 155.2
129 84.3 65.2 97.8
131 77.7 63.1 94.7



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

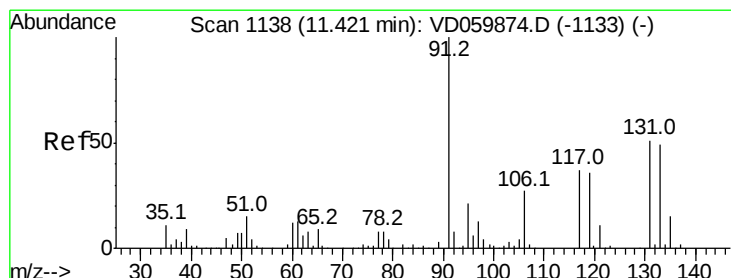
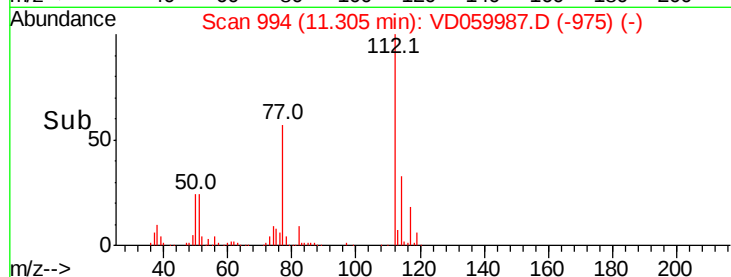
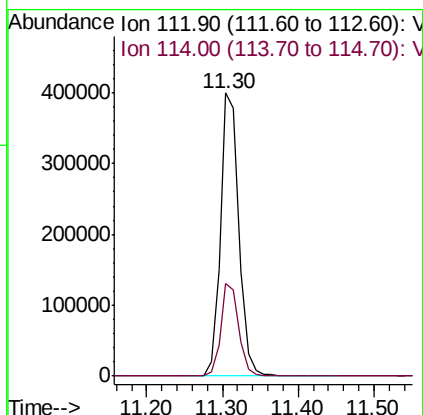
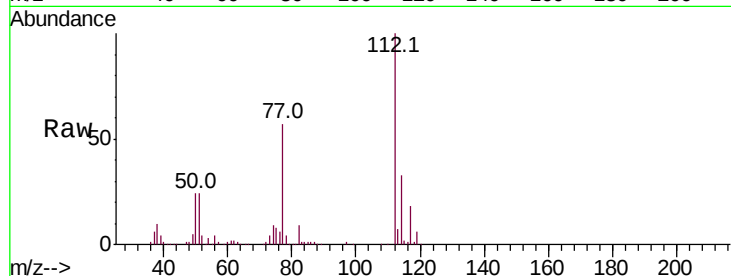




#65
Chlorobenzene
Concen: 21.658 ug/l
RT: 11.30 min Scan# 994
Delta R.T. -0.02 min
Lab File: VD059987.D
Acq: 10 Sep 2018 12:30

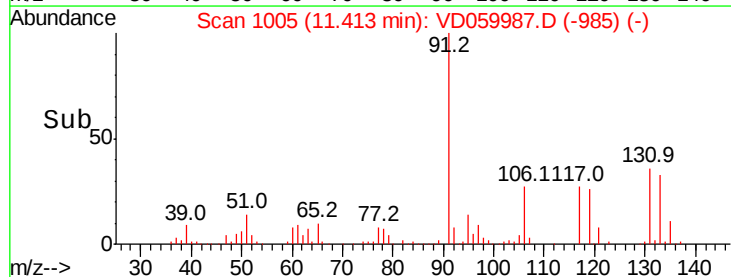
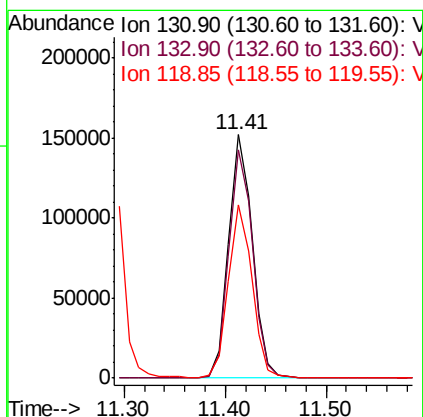
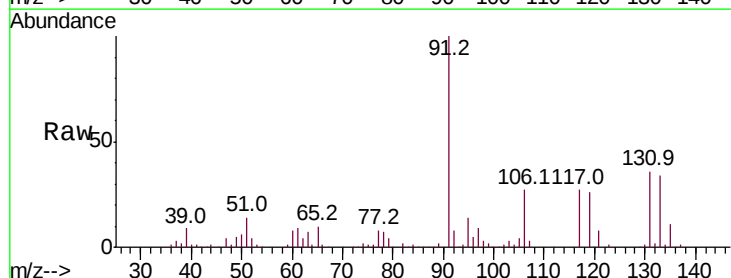
Instrument :
MSVOA_D
ClientSampled :

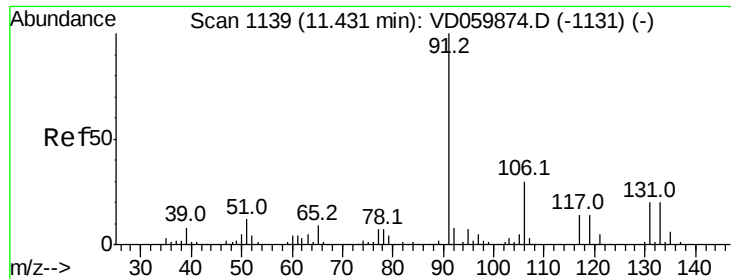
Tot Ion:112 Resp: 677025
Ion Ratio Lower Upper
112 100
114 32.7 26.4 39.6



#66
1,1,1,2-Tetrachloroethane
Concen: 21.729 ug/l
RT: 11.41 min Scan# 1005
Delta R.T. -0.01 min
Lab File: VD059987.D
Acq: 10 Sep 2018 12:30

Tgt Ion:131 Resp: 248158
Ion Ratio Lower Upper
131 100
133 93.8 48.3 144.8
119 71.0 35.4 106.3

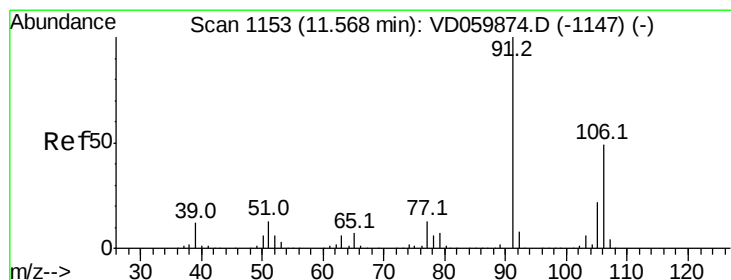
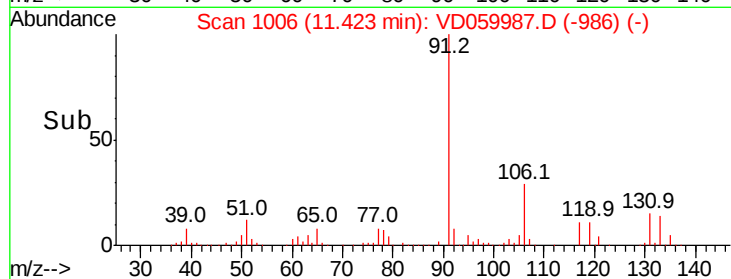
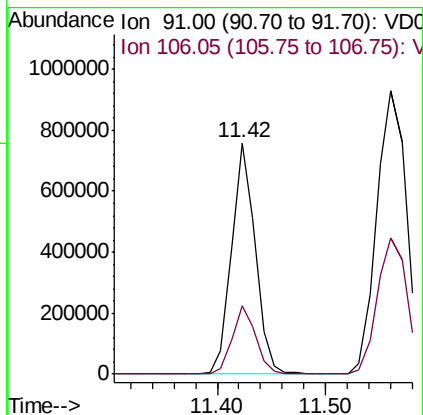
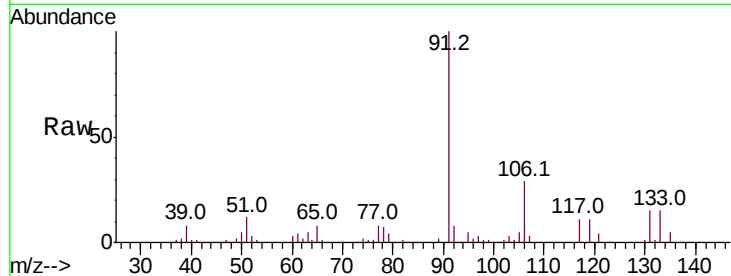




#67
Ethyl Benzene
Concen: 21.996 ug/l
RT: 11.42 min Scan# 1006
Delta R.T. -0.01 min
Lab File: VD059987.D
Acq: 10 Sep 2018 12:30

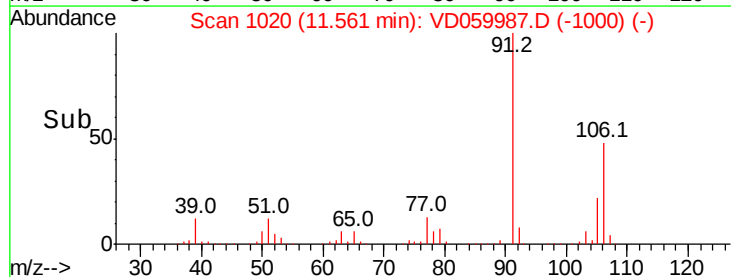
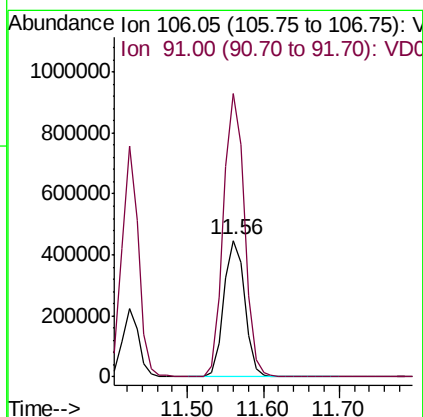
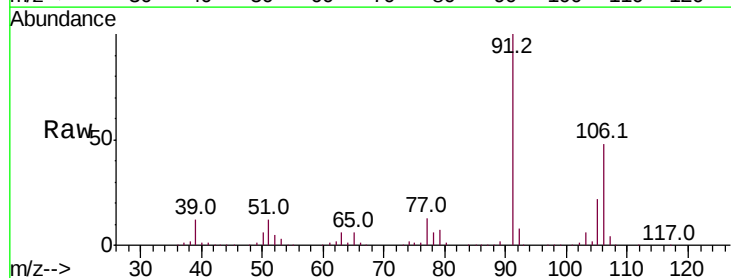
Instrument :
MSVOA_D
ClientSampled :

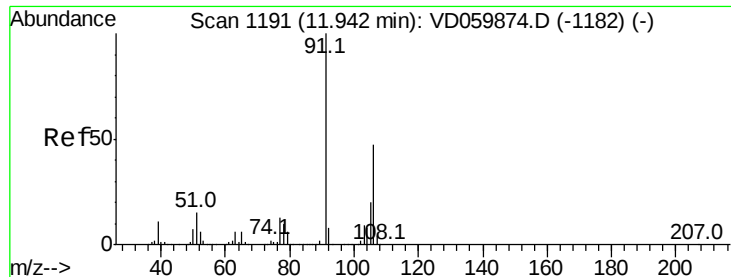
Tot Ion: 91 Resp: 1156785
Ion Ratio Lower Upper
91 100
106 29.4 23.8 35.8



#68
m/p-Xylenes
Concen: 44.732 ug/l
RT: 11.56 min Scan# 1020
Delta R.T. -0.01 min
Lab File: VD059987.D
Acq: 10 Sep 2018 12:30

Tgt Ion: 106 Resp: 856506
Ion Ratio Lower Upper
106 100
91 207.4 162.0 243.0

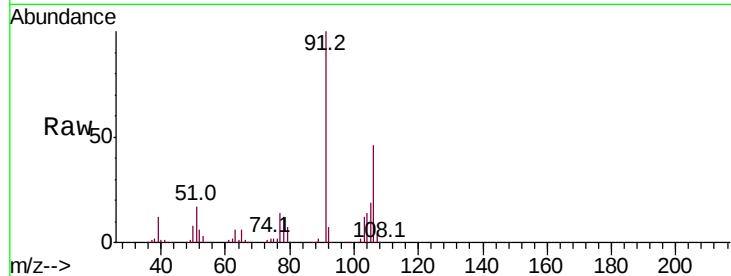




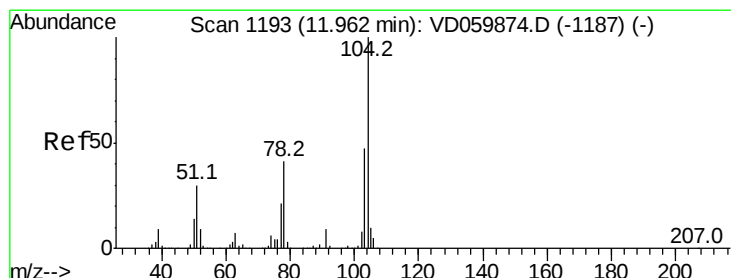
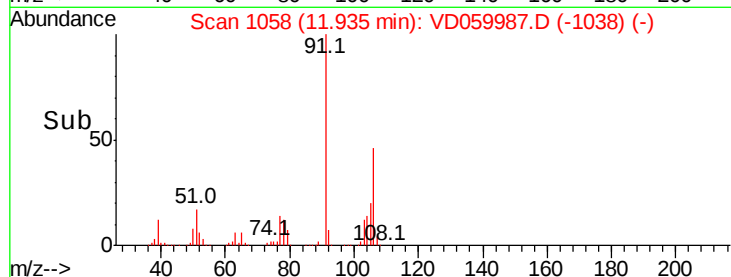
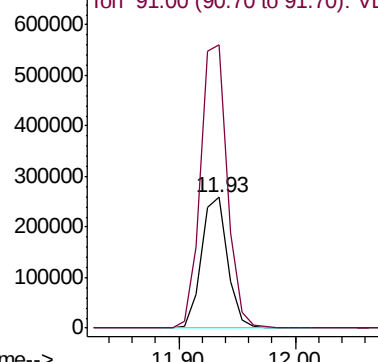
#69
o-Xylene
Concen: 21.559 ug/l
RT: 11.93 min Scan# 1058
Delta R.T. -0.01 min
Lab File: VD059987.D
Acq: 10 Sep 2018 12:30

Instrument :
MSVOA_D
ClientSampled :

Tot Ion:106 Resp: 403738
Ion Ratio Lower Upper
106 100
91 216.9 107.3 322.0

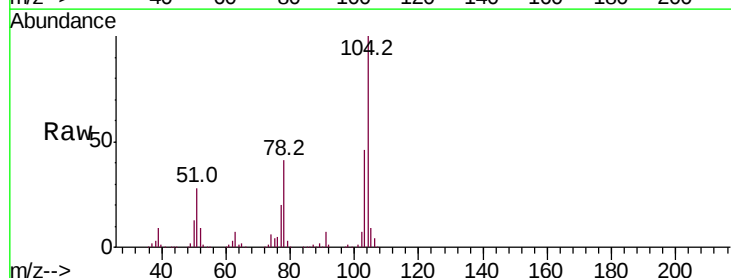


Abundance Ion 106.05 (105.75 to 106.75): V
Ion 91.00 (90.70 to 91.70): VDC

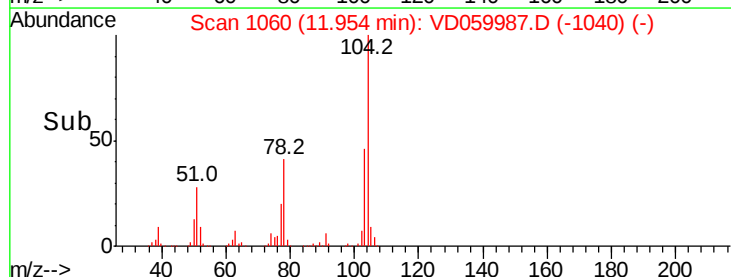
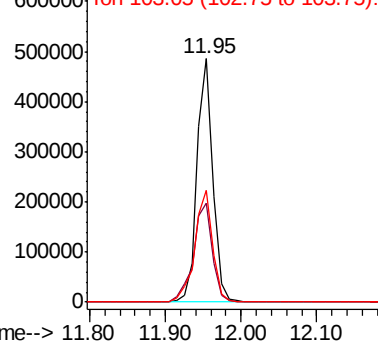


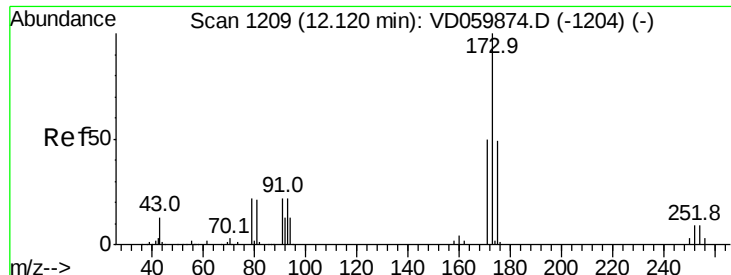
#70
Styrene
Concen: 21.686 ug/l
RT: 11.95 min Scan# 1060
Delta R.T. -0.01 min
Lab File: VD059987.D
Acq: 10 Sep 2018 12:30

Tgt Ion:104 Resp: 703193
Ion Ratio Lower Upper
104 100
78 40.8 32.6 49.0
103 45.7 37.7 56.5



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: 18.299 ug/l

RT: 12.11 min Scan# 1076

Delta R.T. -0.01 min

Lab File: VD059987.D

Acq: 10 Sep 2018 12:30

Instrument :

MSVOA_D

ClientSampleId :

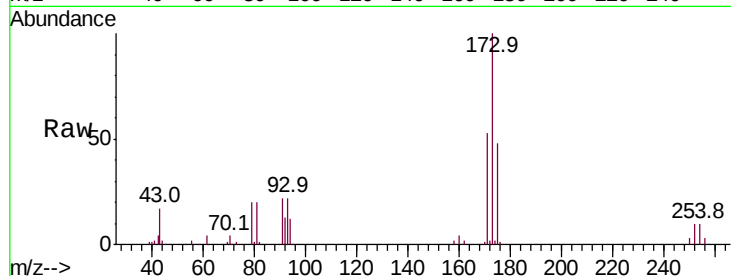
Tot Ion:173 Resp: 180816

Ion Ratio Lower Upper

173 100

175 48.4 24.3 73.0

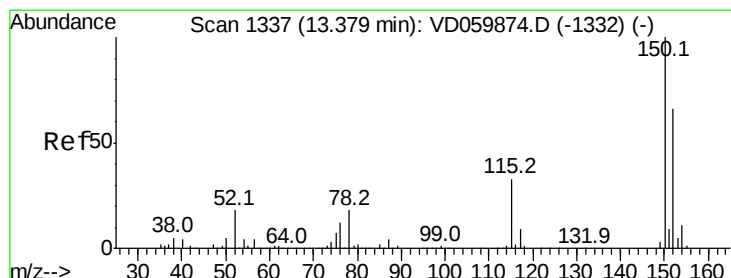
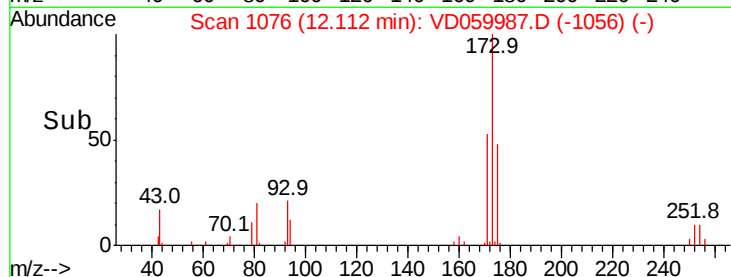
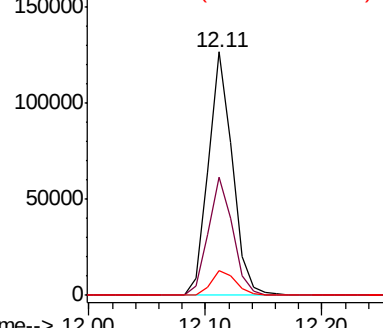
254 10.1 7.0 10.6



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: 13.37 min Scan# 1204

Delta R.T. -0.01 min

Lab File: VD059987.D

Acq: 10 Sep 2018 12:30

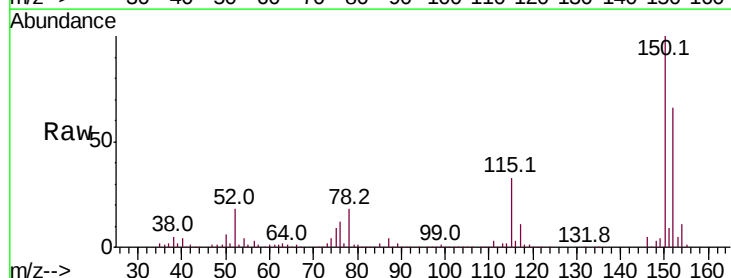
Tgt Ion:152 Resp: 844158

Ion Ratio Lower Upper

152 100

115 50.7 25.7 77.0

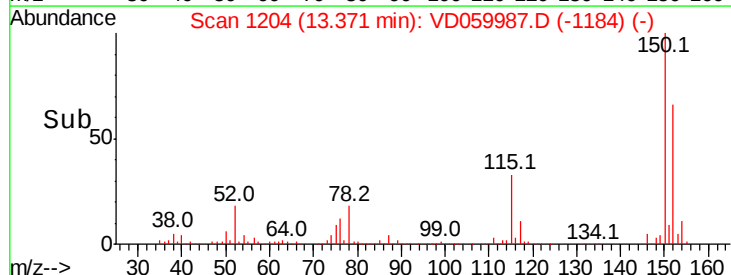
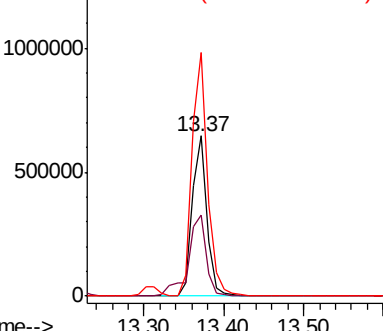
150 152.0 0.0 310.2

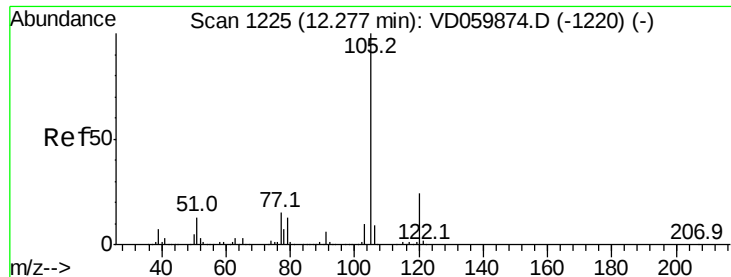


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 115.00 (114.70 to 115.70): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 21.364 ug/l

RT: 12.27 min Scan# 1092

Delta R.T. -0.01 min

Lab File: VD059987.D

Acq: 10 Sep 2018 12:30

Instrument :

MSVOA_D

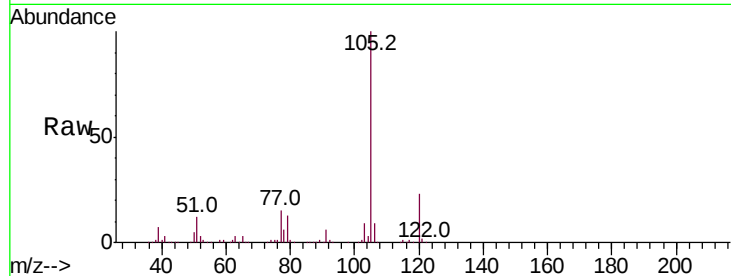
ClientSampled :

Tot Ion:105 Resp: 1151250

Ion Ratio Lower Upper

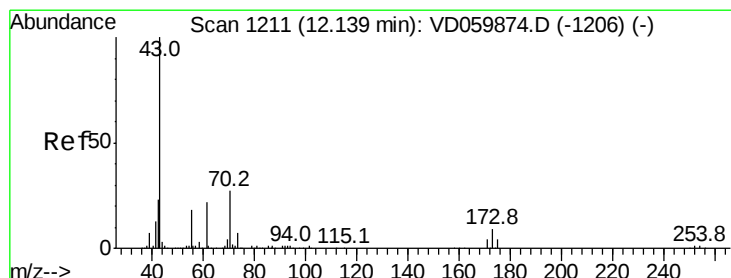
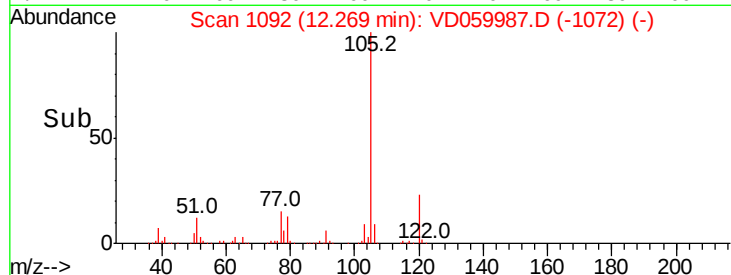
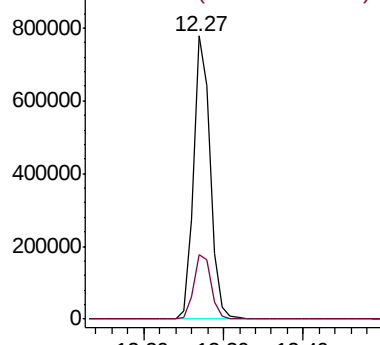
105 100

120 23.0 11.8 35.4



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.05 (119.75 to 120.75): V



#74

N-ethyl acetate

Concen: 18.187 ug/l

RT: 12.13 min Scan# 1078

Delta R.T. -0.01 min

Lab File: VD059987.D

Acq: 10 Sep 2018 12:30

Tgt Ion: 43 Resp: 429114

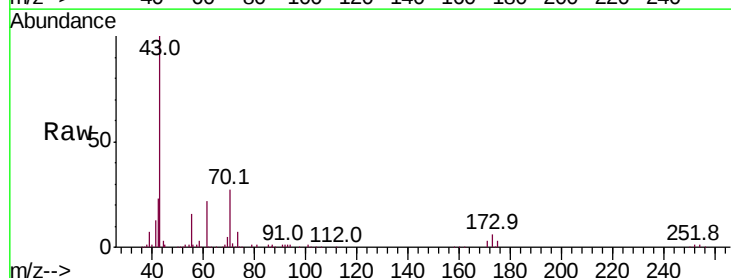
Ion Ratio Lower Upper

43 100

70 26.7 21.4 32.2

55 16.4 14.1 21.1

61 21.8 17.8 26.8

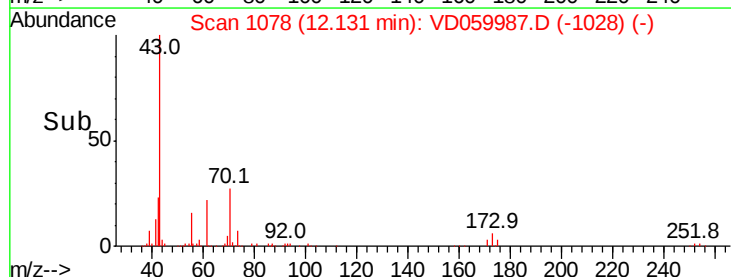
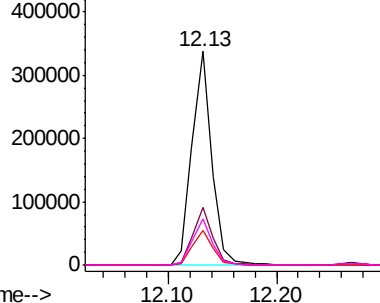


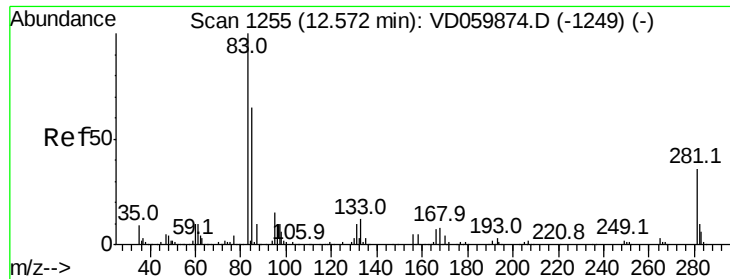
Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 70.00 (69.70 to 70.70): VDC

Ion 55.00 (54.70 to 55.70): VDC

Ion 60.95 (60.65 to 61.65): VDC





#75

1,1,2,2-Tetrachloroethane

Concen: 19.251 ug/l

RT: 12.55 min Scan# 1121

Delta R.T. -0.02 min

Lab File: VD059987.D

Acq: 10 Sep 2018 12:30

Instrument :

MSVOA_D

ClientSampleId :

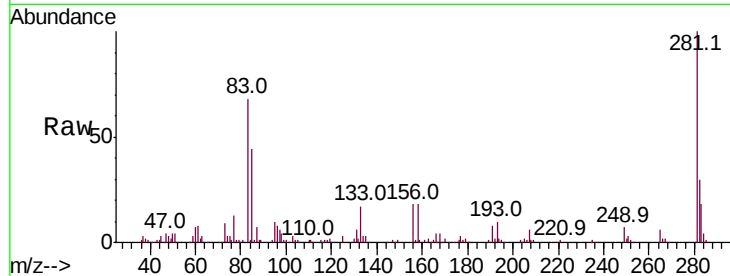
Tot Ion: 83 Resp: 239954

Ion Ratio Lower Upper

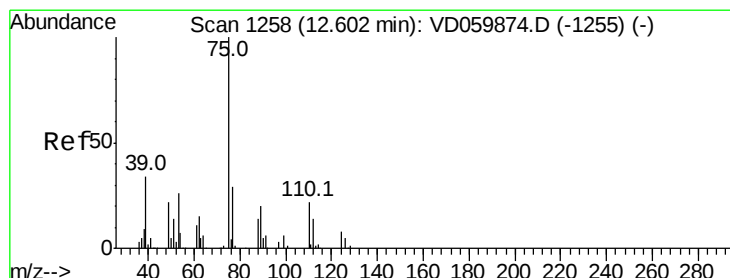
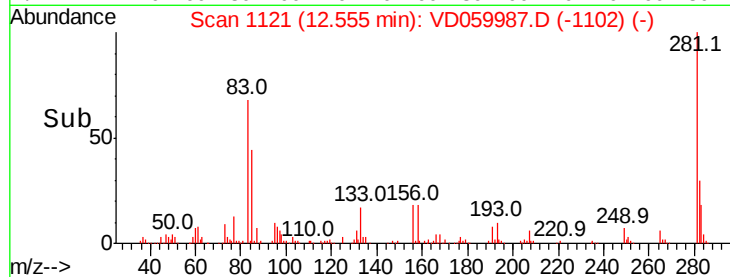
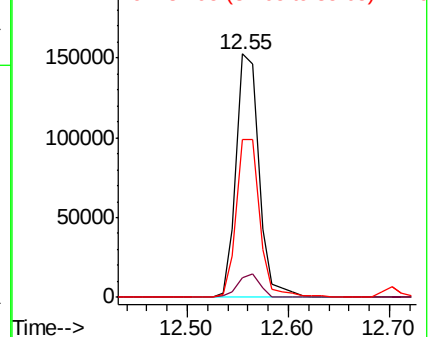
83 100

131 8.2 4.8 14.4

85 65.1 32.6 97.8



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: 18.837 ug/l

RT: 12.59 min Scan# 1125

Delta R.T. -0.01 min

Lab File: VD059987.D

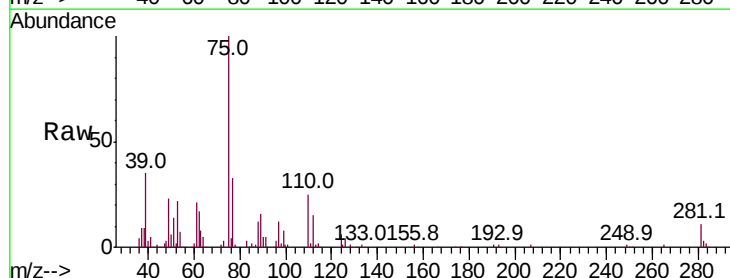
Acq: 10 Sep 2018 12:30

Tgt Ion: 75 Resp: 247145

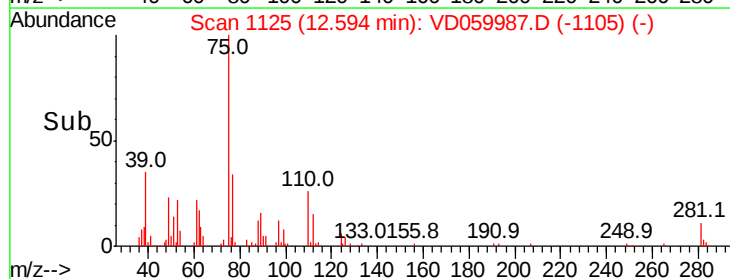
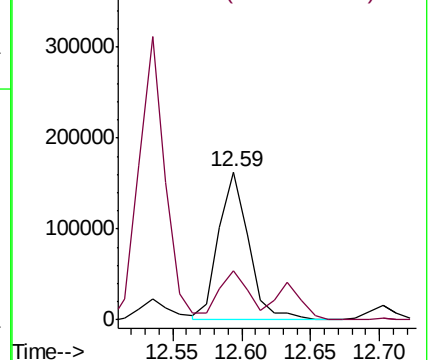
Ion Ratio Lower Upper

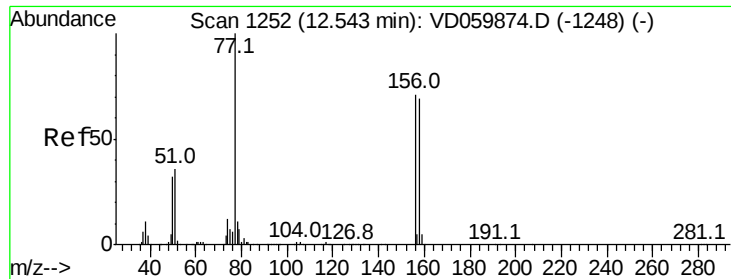
75 100

77 33.1 16.4 49.2



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





#77

Bromobenzene

Concen: 21.297 ug/l

RT: 12.53 min Scan# 1119

Delta R.T. -0.01 min

Lab File: VD059987.D

Acq: 10 Sep 2018 12:30

Instrument :

MSVOA_D

ClientSampleId :

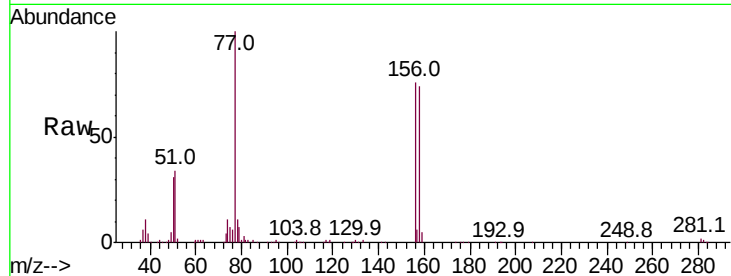
Tot Ion:156 Resp: 318177

Ion Ratio Lower Upper

156 100

77 130.9 70.2 210.4

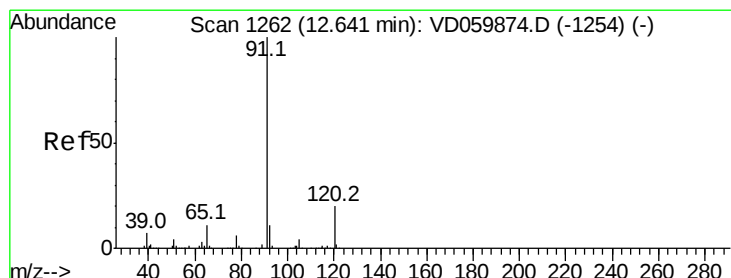
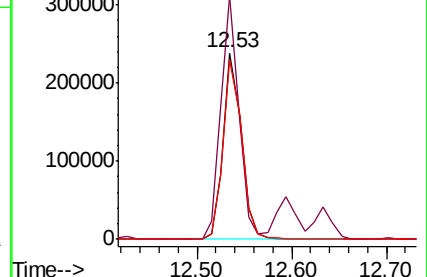
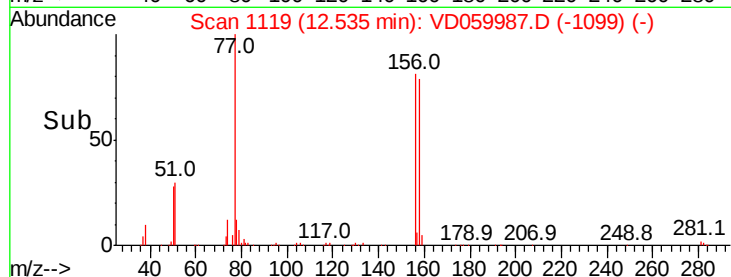
158 96.9 48.4 145.2



Abundance Ion 155.90 (155.60 to 156.60): V

Ion 76.95 (76.65 to 77.65): V

Ion 157.85 (157.55 to 158.55): V



#78

n-propylbenzene

Concen: 21.593 ug/l

RT: 12.63 min Scan# 1129

Delta R.T. -0.01 min

Lab File: VD059987.D

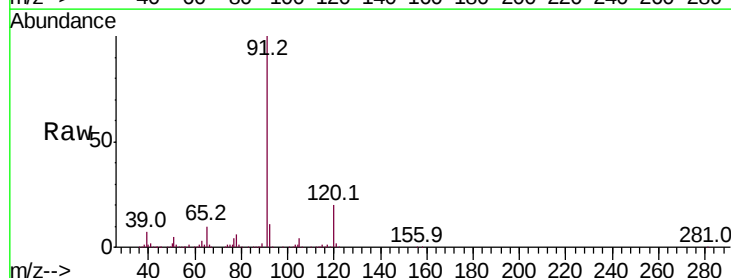
Acq: 10 Sep 2018 12:30

Tgt Ion: 91 Resp: 1473354

Ion Ratio Lower Upper

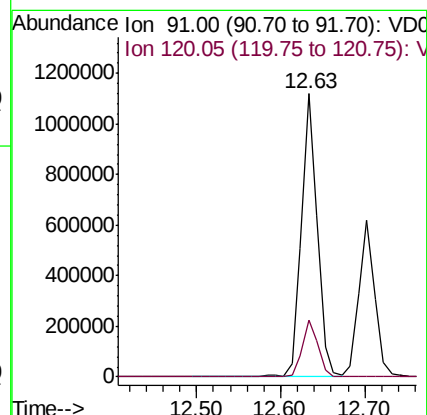
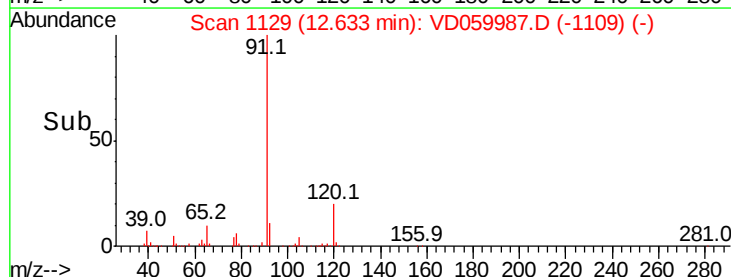
91 100

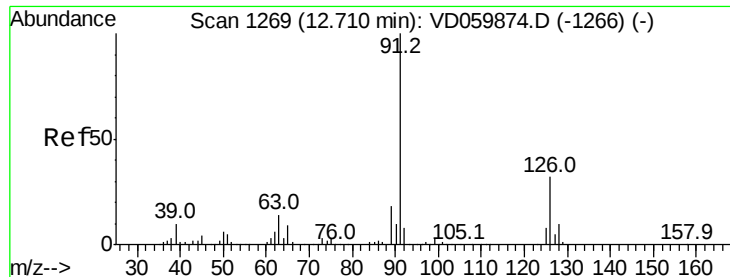
120 20.0 10.1 30.3



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 120.05 (119.75 to 120.75): V

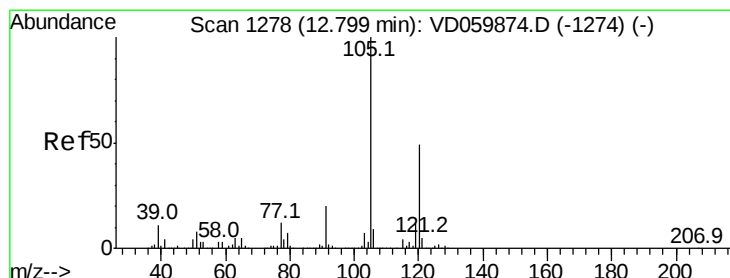
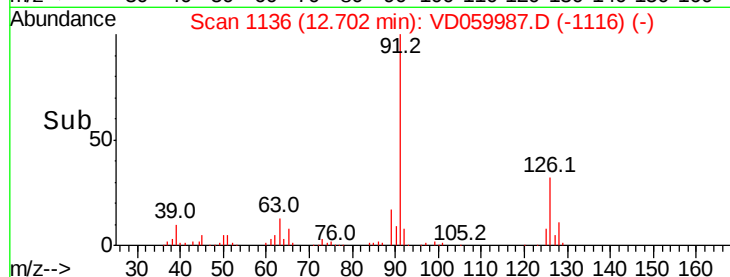
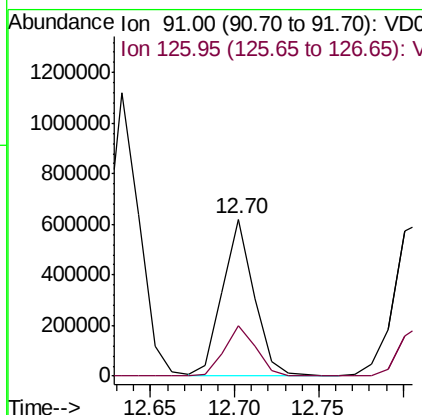
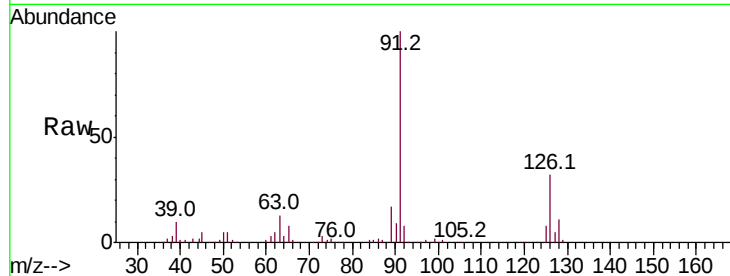




#79
 2-Chlorotoluene
 Concen: 20.845 ug/l
 RT: 12.70 min Scan# 1136
 Delta R.T. -0.01 min
 Lab File: VD059987.D
 Acq: 10 Sep 2018 12:30

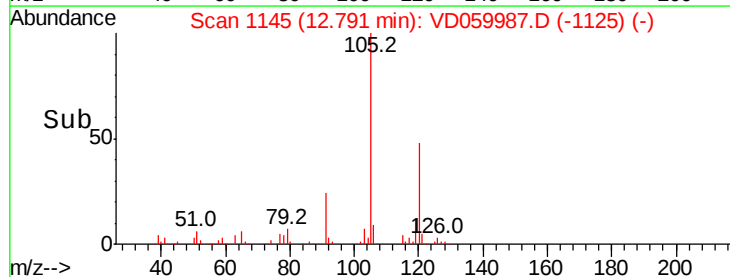
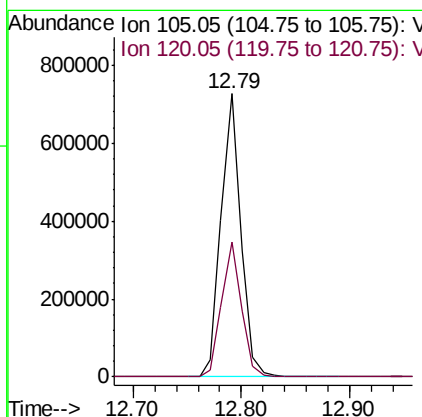
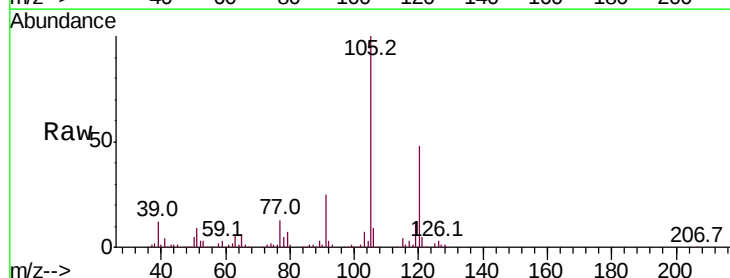
Instrument :
 MSVOA_D
 ClientSampleID :

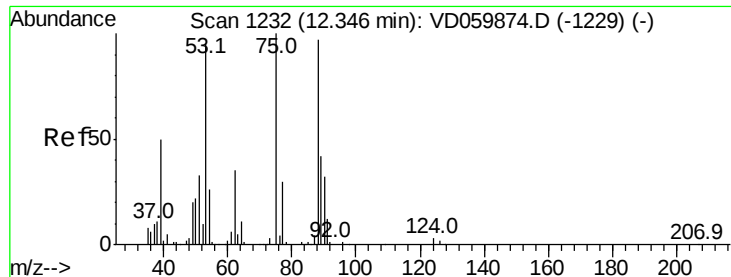
Tot Ion: 91 Resp: 804373
 Ion Ratio Lower Upper
 91 100
 126 32.0 16.1 48.2



#80
 1,3,5-Trimethylbenzene
 Concen: 21.650 ug/l
 RT: 12.79 min Scan# 1145
 Delta R.T. -0.01 min
 Lab File: VD059987.D
 Acq: 10 Sep 2018 12:30

Tgt Ion:105 Resp: 927512
 Ion Ratio Lower Upper
 105 100
 120 47.8 24.5 73.5





#81

trans-1,4-Dichloro-2-butene

Concen: 17.086 ug/l

RT: 12.34 min Scan# 1099

Delta R.T. -0.01 min

Lab File: VD059987.D

Acq: 10 Sep 2018 12:30

Instrument :

MSVOA_D

ClientSampleId :

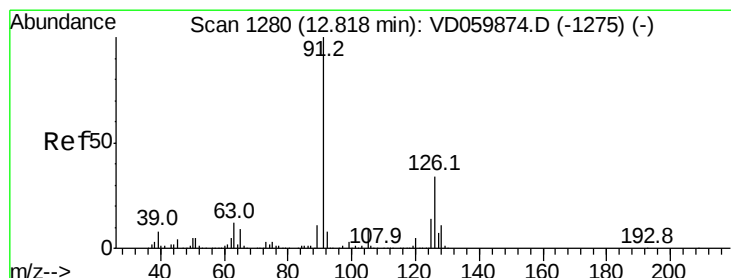
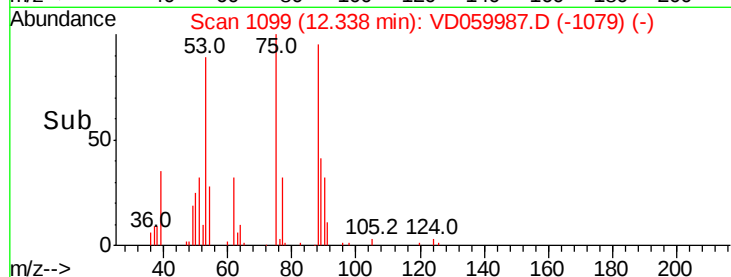
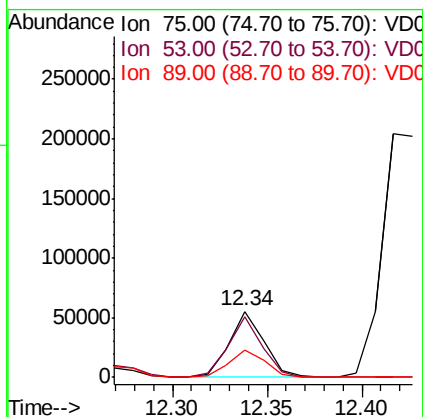
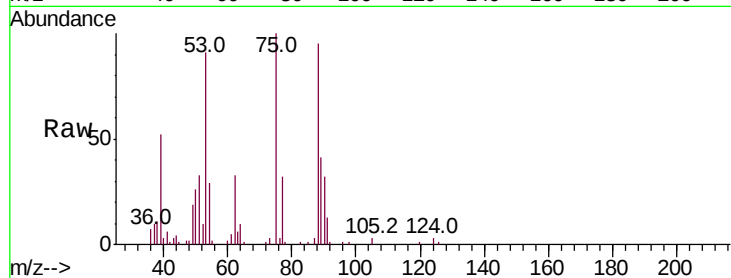
Tot Ion: 75 Resp: 69731

Ion Ratio Lower Upper

75 100

53 91.0 75.8 113.6

89 41.2 33.6 50.4



#82

4-Chlorotoluene

Concen: 21.697 ug/l

RT: 12.81 min Scan# 1147

Delta R.T. -0.01 min

Lab File: VD059987.D

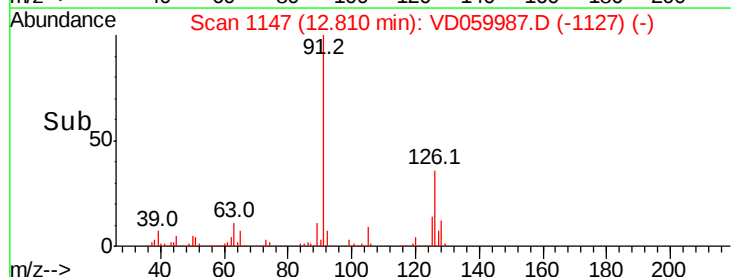
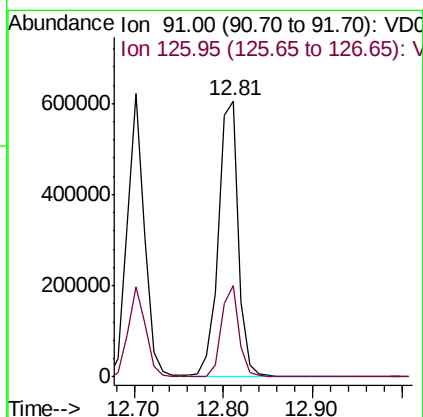
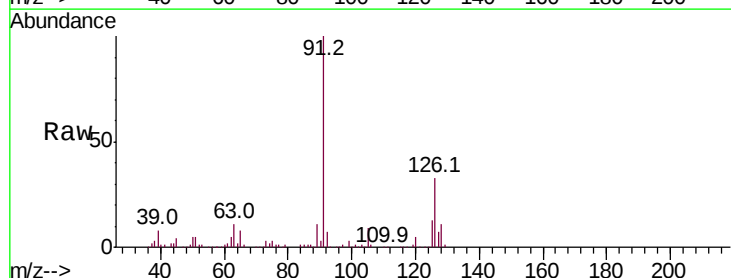
Acq: 10 Sep 2018 12:30

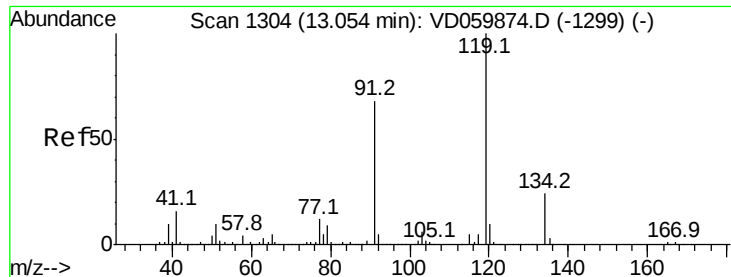
Tgt Ion: 91 Resp: 954983

Ion Ratio Lower Upper

91 100

126 33.2 17.1 51.2

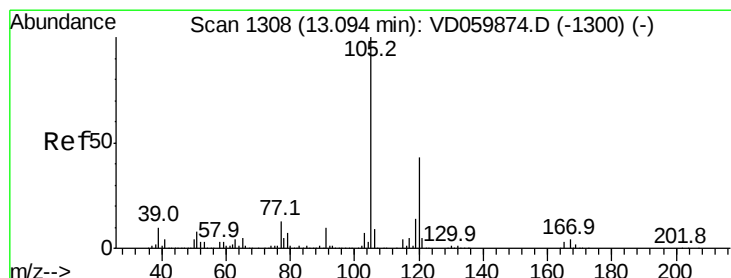
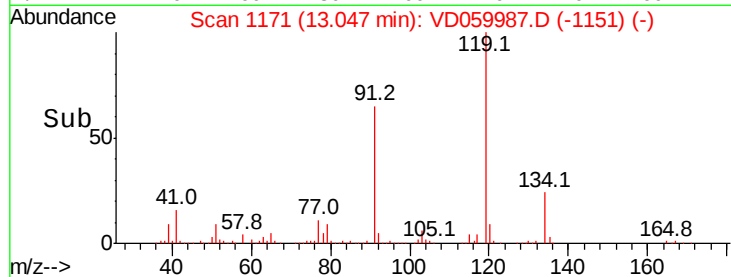
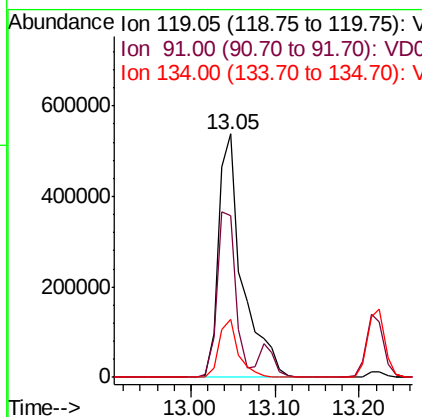
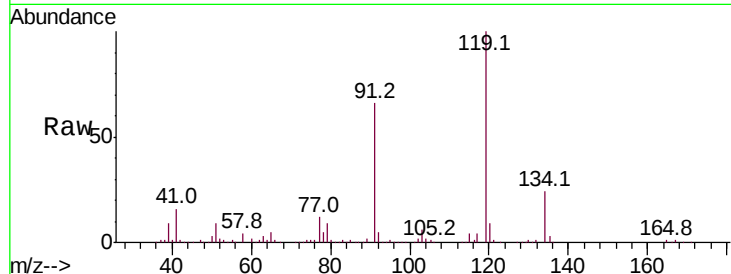




#83
 tert-Butylbenzene
 Concen: 21.623 ug/l
 RT: 13.05 min Scan# 1171
 Delta R.T. -0.01 min
 Lab File: VD059987.D
 Acq: 10 Sep 2018 12:30

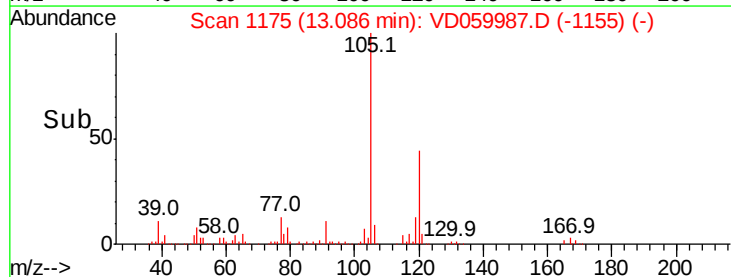
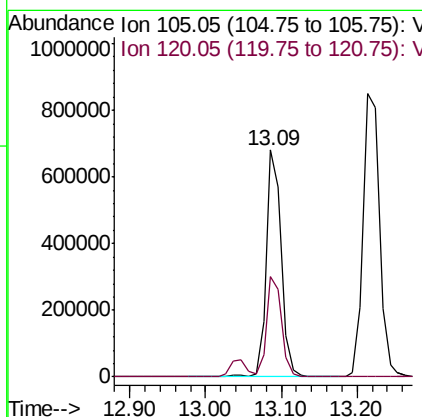
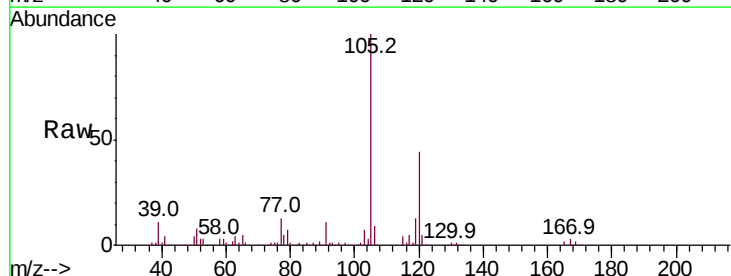
Instrument :
 MSVOA_D
 ClientSampled :

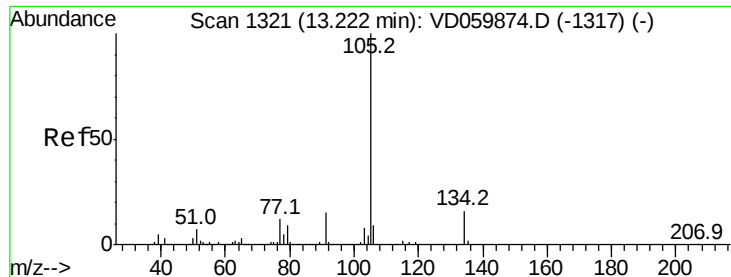
Tot Ion:119 Resp: 1055272
 Ion Ratio Lower Upper
 119 100
 91 66.3 34.3 102.9
 134 24.1 11.9 35.9



#84
 1,2,4-Trimethylbenzene
 Concen: 21.088 ug/l
 RT: 13.09 min Scan# 1175
 Delta R.T. -0.01 min
 Lab File: VD059987.D
 Acq: 10 Sep 2018 12:30

Tgt Ion:105 Resp: 941684
 Ion Ratio Lower Upper
 105 100
 120 44.4 21.8 65.3





#85

sec-Butylbenzene

Concen: 21.936 ug/l

RT: 13.21 min Scan# 1188

Delta R.T. -0.01 min

Lab File: VD059987.D

Acq: 10 Sep 2018 12:30

Instrument :

MSVOA_D

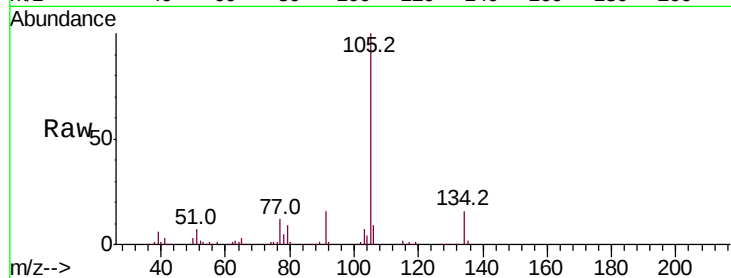
ClientSampled :

Tot Ion:105 Resp: 1258957

Ion Ratio Lower Upper

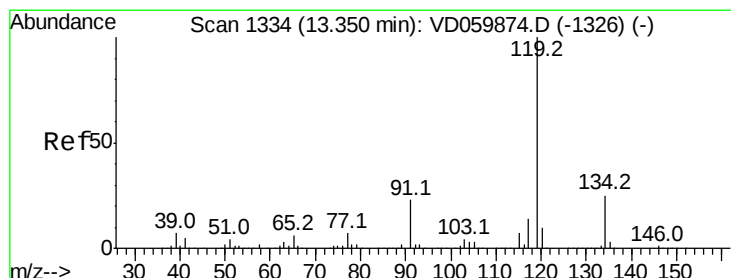
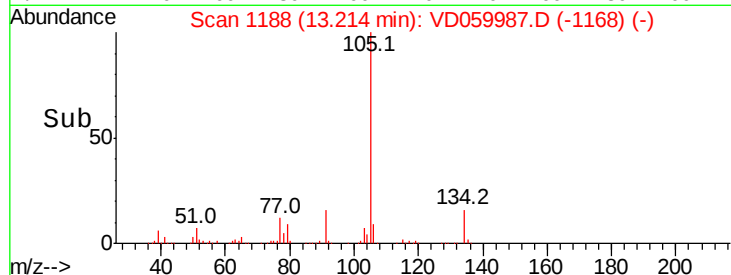
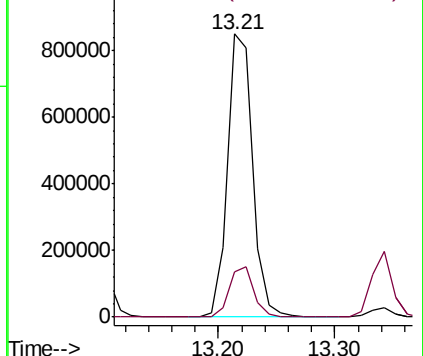
105 100

134 15.9 8.2 24.4



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 134.10 (133.80 to 134.80): V



#86

p-Isopropyltoluene

Concen: 21.509 ug/l

RT: 13.34 min Scan# 1201

Delta R.T. -0.01 min

Lab File: VD059987.D

Acq: 10 Sep 2018 12:30

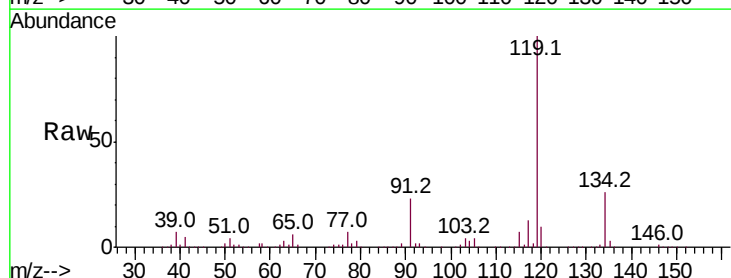
Tgt Ion:119 Resp: 1003932

Ion Ratio Lower Upper

119 100

134 25.6 12.7 38.1

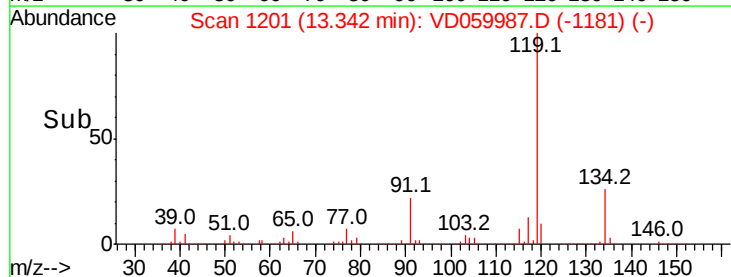
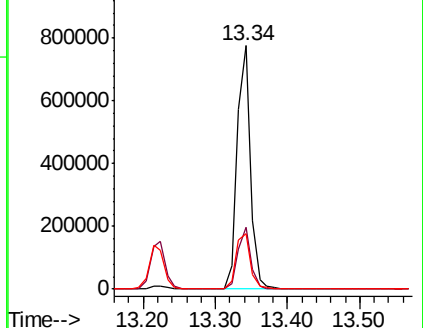
91 22.6 11.7 35.0

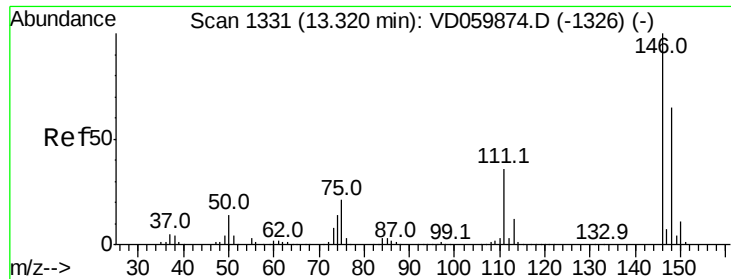


Abundance Ion 119.05 (118.75 to 119.75): V

Ion 134.10 (133.80 to 134.80): V

Ion 91.00 (90.70 to 91.70): V

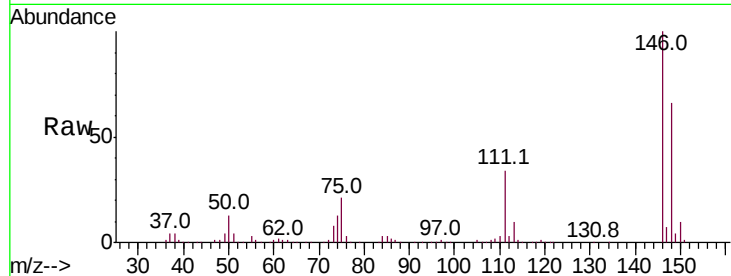




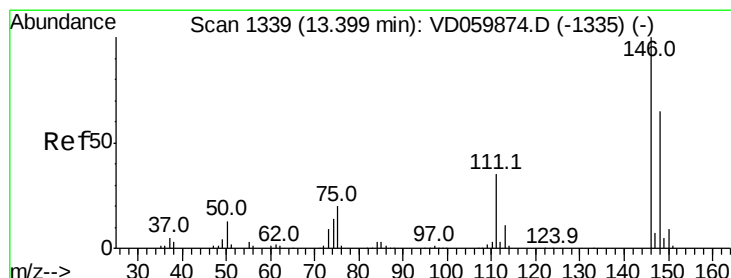
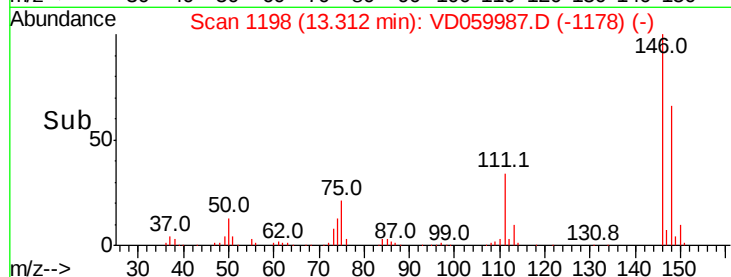
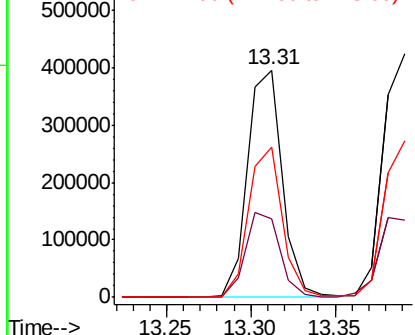
#87
 1,3-Dichlorobenzene
 Concen: 21.341 ug/l
 RT: 13.31 min Scan# 1198
 Delta R.T. -0.01 min
 Lab File: VD059987.D
 Acq: 10 Sep 2018 12:30

Instrument :
 MSVOA_D
 ClientSampleId :

Tot Ion:146 Resp: 569230
 Ion Ratio Lower Upper
 146 100
 111 34.4 17.9 53.7
 148 66.3 32.4 97.0

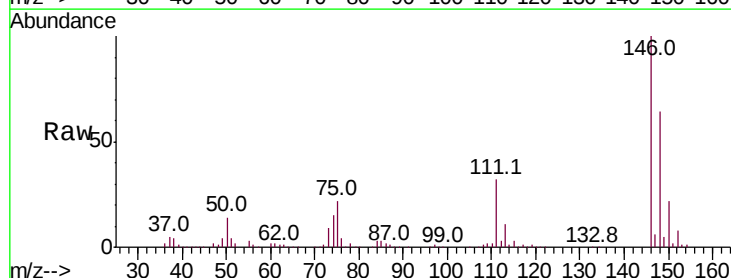


Abundance Ion 145.95 (145.65 to 146.65): V
 Ion 110.90 (110.60 to 111.60): V
 Ion 147.90 (147.60 to 148.60): V

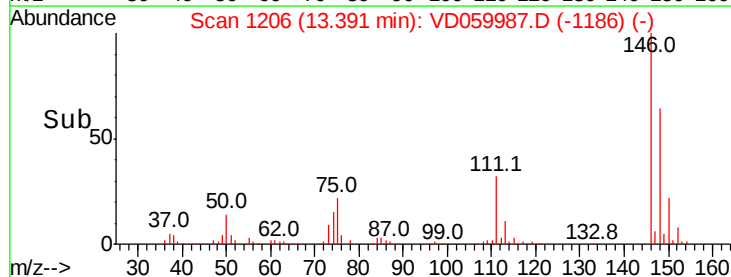
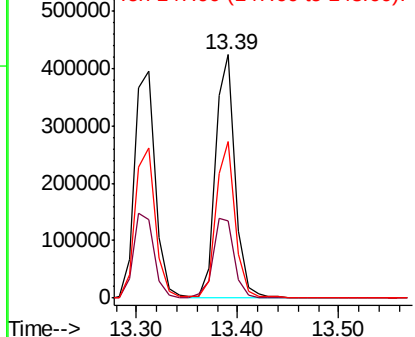


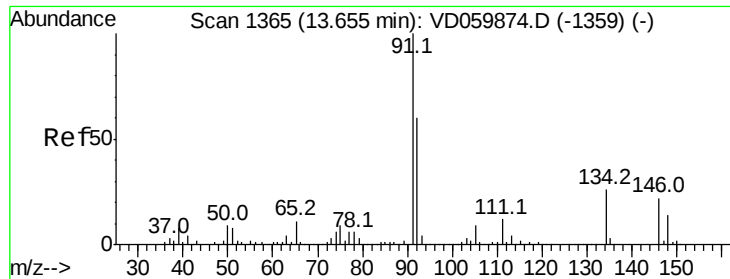
#88
 1,4-Dichlorobenzene
 Concen: 21.738 ug/l
 RT: 13.39 min Scan# 1206
 Delta R.T. -0.01 min
 Lab File: VD059987.D
 Acq: 10 Sep 2018 12:30

Tgt Ion:146 Resp: 578502
 Ion Ratio Lower Upper
 146 100
 111 31.8 17.5 52.6
 148 64.2 32.5 97.5



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

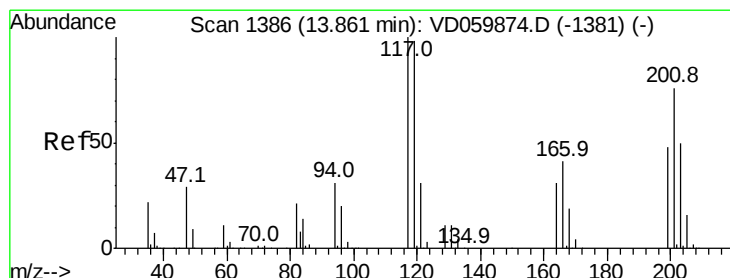
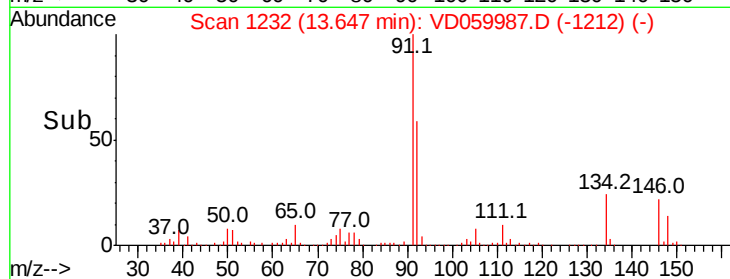
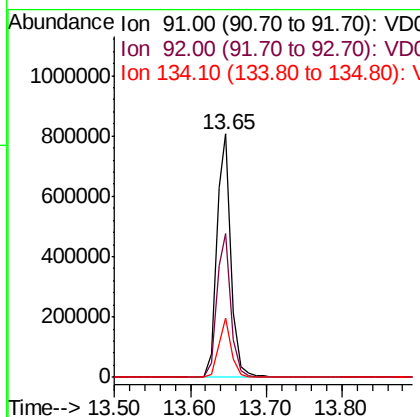
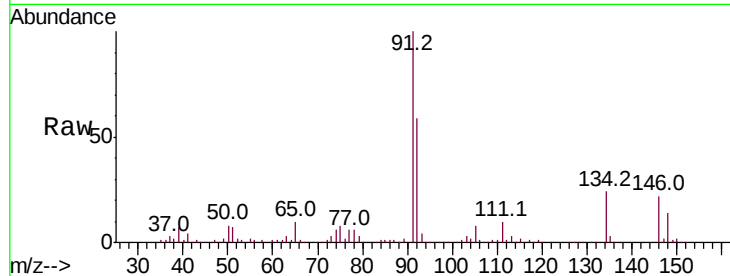




#89
n-Butylbenzene
Concen: 21.176 ug/l
RT: 13.65 min Scan# 1232
Delta R.T. -0.01 min
Lab File: VD059987.D
Acq: 10 Sep 2018 12:30

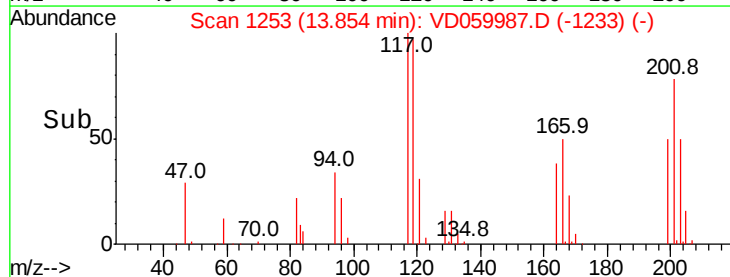
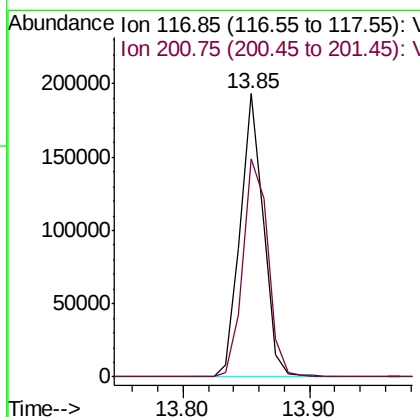
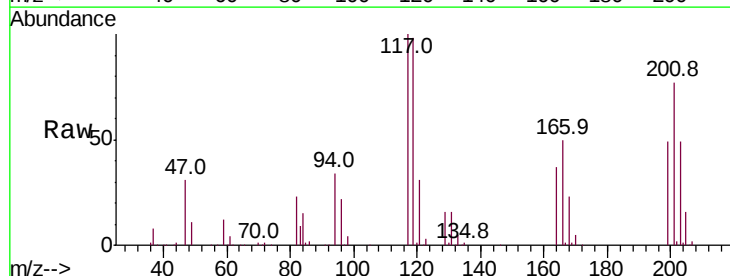
Instrument :
MSVOA_D
ClientSampleId :

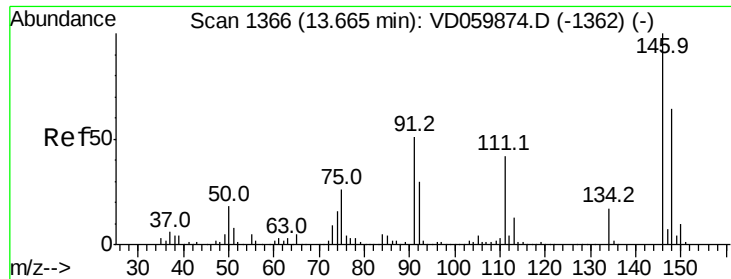
Tot Ion: 91 Resp: 1063406
Ion Ratio Lower Upper
91 100
92 59.1 30.0 90.1
134 24.3 12.8 38.4



#90
Hexachloroethane
Concen: 19.533 ug/l
RT: 13.85 min Scan# 1253
Delta R.T. -0.01 min
Lab File: VD059987.D
Acq: 10 Sep 2018 12:30

Tgt Ion: 117 Resp: 244808
Ion Ratio Lower Upper
117 100
201 77.0 38.1 114.5





#91

1,2-Dichlorobenzene

Concen: 21.658 ug/l

RT: 13.66 min Scan# 1233

Delta R.T. -0.01 min

Lab File: VD059987.D

Acq: 10 Sep 2018 12:30

Instrument :

MSVOA_D

ClientSampleId :

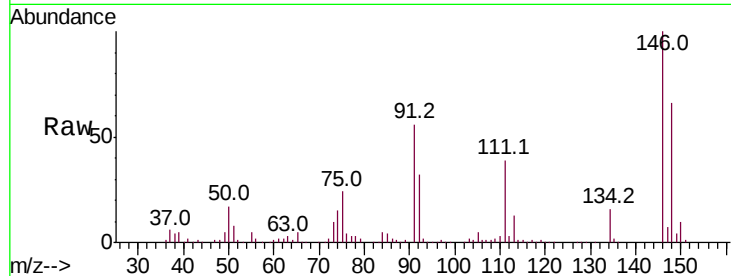
Tot Ion:146 Resp: 491208

Ion Ratio Lower Upper

146 100

111 38.8 21.1 63.1

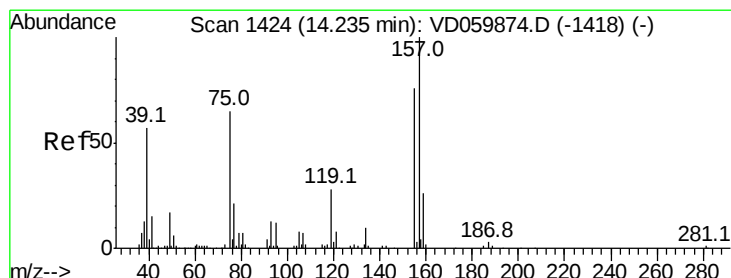
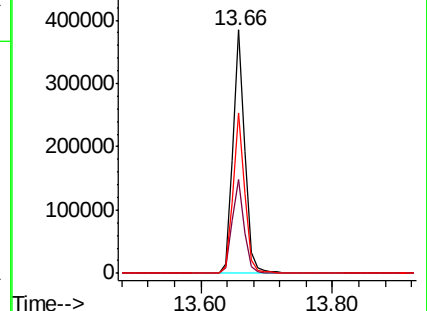
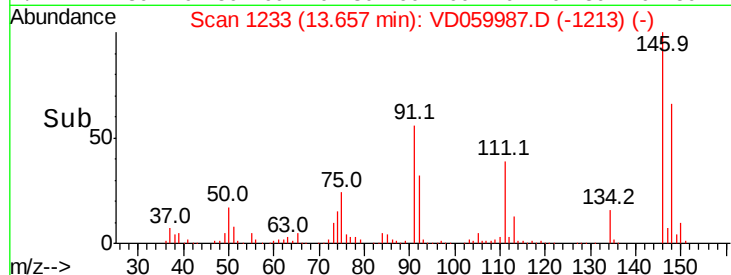
148 65.7 32.2 96.6



Abundance Ion 145.95 (145.65 to 146.65): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#92

1,2-Dibromo-3-Chloropropane

Concen: 16.143 ug/l

RT: 14.23 min Scan# 1291

Delta R.T. -0.01 min

Lab File: VD059987.D

Acq: 10 Sep 2018 12:30

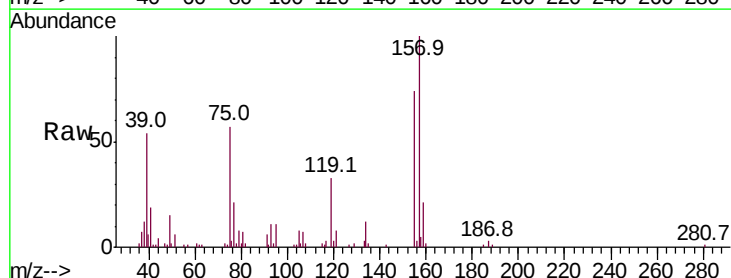
Tgt Ion: 75 Resp: 30936

Ion Ratio Lower Upper

75 100

155 131.4 58.2 174.6

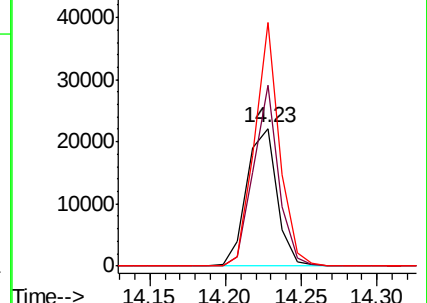
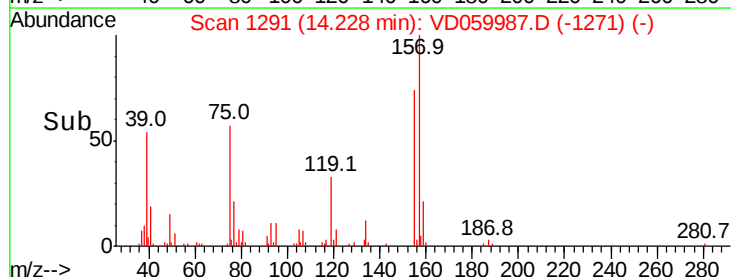
157 176.8 76.8 230.4

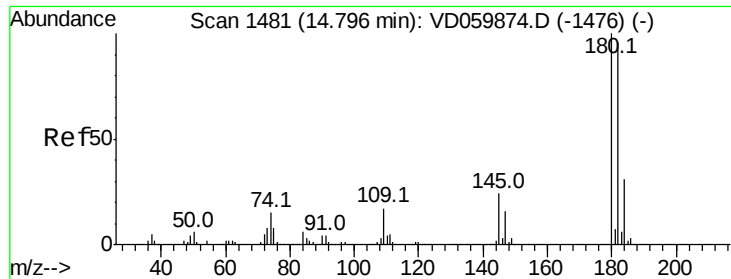


Abundance Ion 75.00 (74.70 to 75.70): V

Ion 154.90 (154.60 to 155.60): V

Ion 156.85 (156.55 to 157.55): V

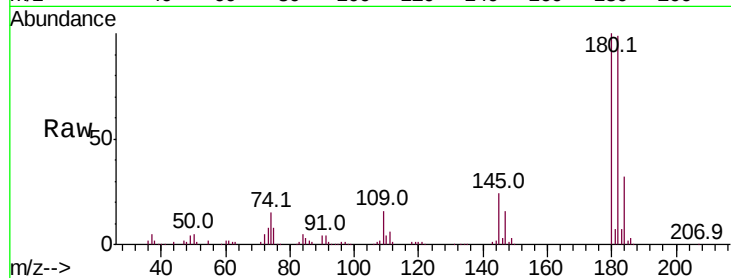




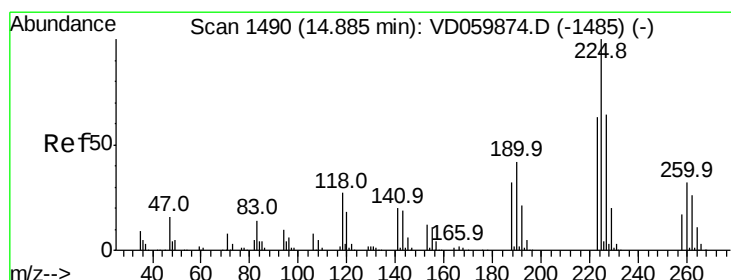
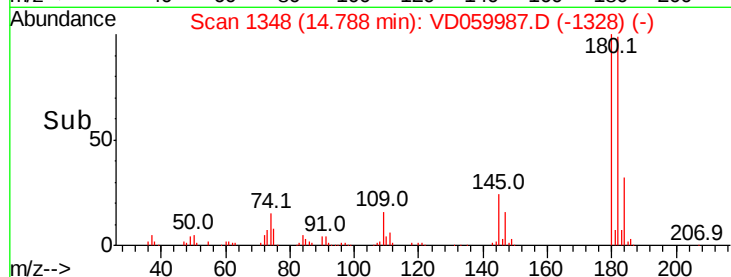
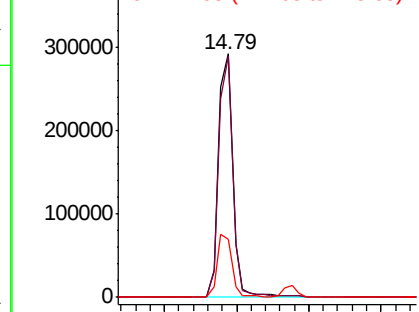
#93
 1,2,4-Trichlorobenzene
 Concen: 20.661 ug/l
 RT: 14.79 min Scan# 1348
 Delta R.T. -0.01 min
 Lab File: VD059987.D
 Acq: 10 Sep 2018 12:30

Instrument :
 MSVOA_D
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
180	100		
182	99.2	47.9	143.7
145	23.9	12.2	36.4

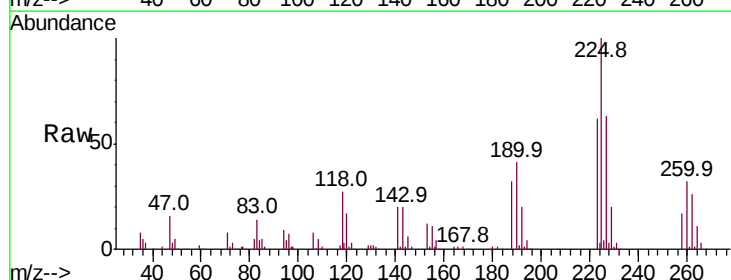


Abundance Ion 179.85 (179.55 to 180.55): V
 Ion 181.85 (181.55 to 182.55): V
 Ion 144.95 (144.65 to 145.65): V

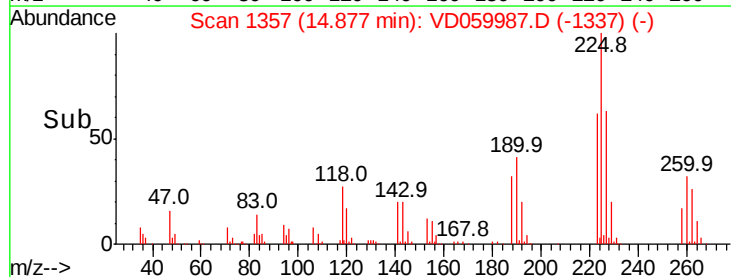
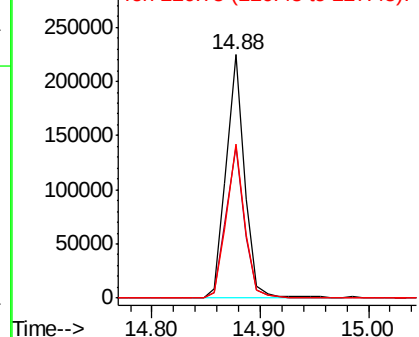


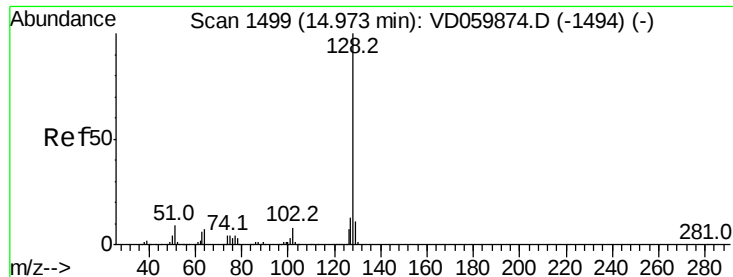
#94
 Hexachlorobutadiene
 Concen: 21.032 ug/l
 RT: 14.88 min Scan# 1357
 Delta R.T. -0.01 min
 Lab File: VD059987.D
 Acq: 10 Sep 2018 12:30

Tgt Ion	Ratio	Lower	Upper
225	100		
223	62.4	31.6	94.8
227	63.4	32.0	96.0



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

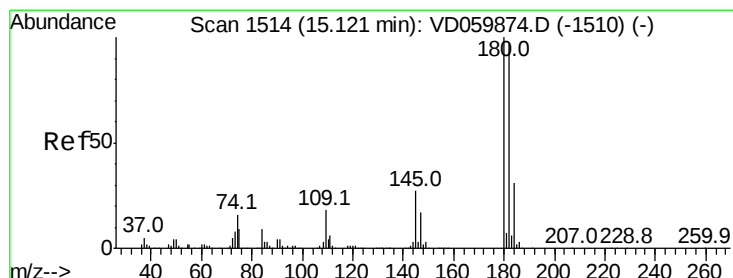
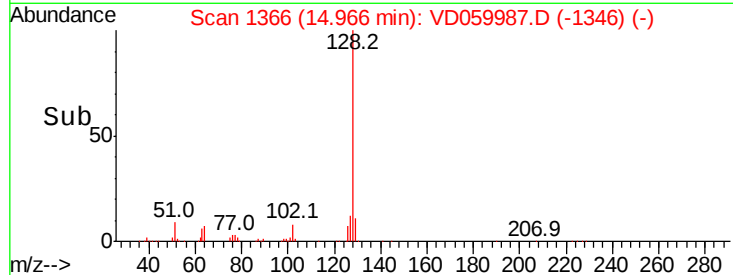
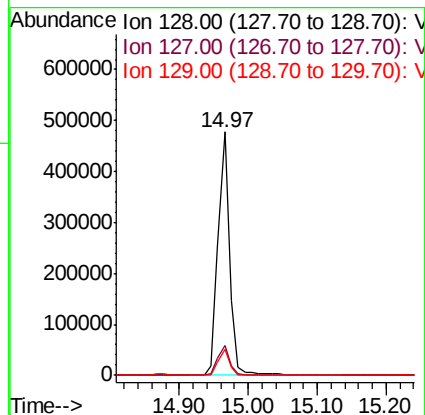
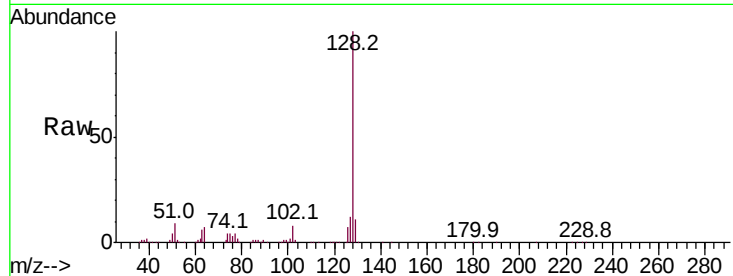




#95
Naphthalene
Concen: 18.885 ug/l
RT: 14.97 min Scan# 1366
Delta R.T. -0.01 min
Lab File: VD059987.D
Acq: 10 Sep 2018 12:30

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion:128 Resp: 560412
Ion Ratio Lower Upper
128 100
127 12.2 10.0 15.0
129 10.7 8.6 13.0



#96
1,2,3-Trichlorobenzene
Concen: 20.018 ug/l
RT: 15.11 min Scan# 1381
Delta R.T. -0.01 min
Lab File: VD059987.D
Acq: 10 Sep 2018 12:30

Tgt Ion:180 Resp: 332452
Ion Ratio Lower Upper
180 100
182 96.4 48.6 145.8
145 26.3 13.6 40.8

