

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD091318\
 Data File : VD059996.D
 Acq On : 13 Sep 2018 13:42
 Operator : JC/SY
 Sample : VSTDICCC050
 Misc : 5.00g/5ml/MSVOA D/SOIL
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Sep 13 15:38:01 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D091318S.M
 Quant Title : SW846 8260
 QLast Update : Thu Sep 13 15:36:09 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	6.38	168	1537988	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	7.42	114	2102786	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.27	117	1707002	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.37	152	925295	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.76	65	599152	47.07	ug/l	0.00
Spiked Amount						
			Recovery	=	94.14%	
35) Dibromofluoromethane	6.30	113	824016	50.21	ug/l	0.00
Spiked Amount						
			Recovery	=	100.42%	
50) Toluene-d8	9.44	98	2236601	49.40	ug/l	0.00
Spiked Amount						
			Recovery	=	98.80%	
62) 4-Bromofluorobenzene	12.41	95	877558	47.86	ug/l	0.00
Spiked Amount						
			Recovery	=	95.72%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.57	85	684758	47.540	ug/l	100
3) Chloromethane	1.73	50	665324	52.188	ug/l	100
4) Vinyl Chloride	1.83	62	566565	56.385	ug/l	100
5) Bromomethane	2.12	94	94398	53.710	ug/l	100
6) Chloroethane	2.23	64	175345	56.777	ug/l	100
7) Trichlorofluoromethane	2.48	101	695875	59.303	ug/l	100
8) Diethyl Ether	2.80	74	143806	55.641	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	3.05	101	421550	58.467	ug/l	100
10) Methyl Iodide	3.21	142	487050	73.063	ug/l	100
11) Tert butyl alcohol	3.94	59	248975	255.245	ug/l	100
12) 1,1-Dichloroethene	3.04	96	331653	59.120	ug/l	100
13) Acrolein	2.95	56	139217	314.869	ug/l	100
14) Allyl chloride	3.51	41	714843	57.245	ug/l	100
15) Acrylonitrile	4.06	53	959062	260.073	ug/l	100
16) Acetone	3.13	43	588183	252.454	ug/l	100
17) Carbon Disulfide	3.28	76	1161131	65.425	ug/l	100
18) Methyl Acetate	3.53	43	241858	49.459	ug/l	100
19) Methyl tert-butyl Ether	4.10	73	1545479	51.096	ug/l	100
20) Methylene Chloride	3.68	84	931802	49.020	ug/l	100
21) trans-1,2-Dichloroethene	4.07	96	895474	58.468	ug/l	100
22) Diisopropyl ether	4.82	45	3295009	52.807	ug/l	100
23) Vinyl Acetate	4.78	43	9352208	268.413	ug/l	100
24) 1,1-Dichloroethane	4.73	63	1470046	54.084	ug/l	100
25) 2-Butanone	5.59	43	1557961	231.556	ug/l	100
26) 2,2-Dichloropropane	5.55	77	1117455	49.501	ug/l	100
27) cis-1,2-Dichloroethene	5.56	96	934339	56.362	ug/l	100
28) Bromochloromethane	5.90	49	645214	50.504	ug/l	100
29) Tetrahydrofuran	5.93	42	879642	264.543	ug/l	100
30) Chloroform	6.07	83	1498215	54.144	ug/l	100
31) Cyclohexane	6.34	56	1392666	54.867	ug/l	100
32) 1,1,1-Trichloroethane	6.26	97	1247853	53.265	ug/l	100
36) 1,1-Dichloropropene	6.50	75	1095875	56.175	ug/l	100
37) Ethyl Acetate	5.67	43	727549	49.292	ug/l	100
38) Carbon Tetrachloride	6.47	117	1044036	53.344	ug/l	100

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	8.01	83	1262839	59.370	ug/l	100
40) Benzene	6.77	78	2882004	56.714	ug/l	100
41) Methacrylonitrile	5.92	41	867289	115.721	ug/l #	85
42) 1,2-Dichloroethane	6.87	62	847395	53.080	ug/l	100
43) Isopropyl Acetate	8.33	43	1046290	54.125	ug/l	100
44) Trichloroethene	7.72	130	885227	58.771	ug/l	100
45) 1,2-Dichloropropane	8.08	63	772723	55.049	ug/l	100
46) Dibromomethane	8.19	93	505380	55.935	ug/l	100
47) Bromodichloromethane	8.47	83	1064870	52.525	ug/l	100
48) Methyl methacrylate	8.22	41	582725	51.795	ug/l	100
49) 1,4-Dioxane	8.21	88	115804	1136.046	ug/l	100
51) 4-Methyl-2-Pentanone	9.32	43	3117414	226.195	ug/l	100
52) Toluene	9.53	92	1830274	56.289	ug/l	100
53) t-1,3-Dichloropropene	9.90	75	984514	52.644	ug/l	100
54) cis-1,3-Dichloropropene	9.09	75	1199104	54.615	ug/l	100
55) 1,1,2-Trichloroethane	10.17	97	598841	51.091	ug/l	100
56) Ethyl methacrylate	10.01	69	714590	53.226	ug/l	100
57) 1,3-Dichloropropane	10.36	76	936579	55.134	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.91	63	1590438	247.292	ug/l	100
59) 2-Hexanone	10.47	43	2291927	225.501	ug/l	100
60) Dibromochloromethane	10.62	129	795316	54.077	ug/l	100
61) 1,2-Dibromoethane	10.75	107	643921	54.375	ug/l	100
64) Tetrachloroethene	10.24	164	811503	59.252	ug/l	100
65) Chlorobenzene	11.30	112	2004597	57.576	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.41	131	683503	54.474	ug/l	100
67) Ethyl Benzene	11.42	91	3223359	55.419	ug/l	100
68) m/p-Xylenes	11.56	106	2441452	114.175	ug/l	100
69) o-Xylene	11.92	106	1187355	56.929	ug/l	100
70) Styrene	11.95	104	1979939	55.207	ug/l	100
71) Bromoform	12.11	173	596454	55.035	ug/l	100
73) Isopropylbenzene	12.26	105	3281237	54.518	ug/l	100
74) N-amyl acetate	12.13	43	1277527	49.698	ug/l	100
75) 1,1,2,2-Tetrachloroethane	12.55	83	734137	53.070	ug/l	100
76) 1,2,3-Trichloropropane	12.59	75	755234	52.411	ug/l	100
77) Bromobenzene	12.53	156	925812	55.533	ug/l	100
78) n-propylbenzene	12.63	91	4080067	53.776	ug/l	100
79) 2-Chlorotoluene	12.70	91	2301186	53.704	ug/l	100
80) 1,3,5-Trimethylbenzene	12.79	105	2545028	53.433	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.33	75	225358	50.657	ug/l	100
82) 4-Chlorotoluene	12.80	91	2505603	51.576	ug/l	100
83) tert-Butylbenzene	13.04	119	2913192	53.849	ug/l	100
84) 1,2,4-Trimethylbenzene	13.08	105	2612353	52.814	ug/l	100
85) sec-Butylbenzene	13.21	105	3411229	53.742	ug/l	100
86) p-Isopropyltoluene	13.34	119	2868110	55.037	ug/l	100
87) 1,3-Dichlorobenzene	13.30	146	1627168	54.709	ug/l	100
88) 1,4-Dichlorobenzene	13.39	146	1648753	55.360	ug/l	100
89) n-Butylbenzene	13.64	91	2671425	51.317	ug/l	100
90) Hexachloroethane	13.85	117	716794	51.932	ug/l	100
91) 1,2-Dichlorobenzene	13.65	146	1338922	53.413	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.21	75	100042	48.361	ug/l	100

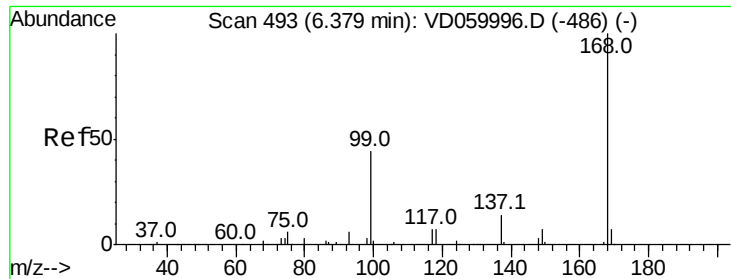
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.78	180	1193447	55.356	ug/l	100
94) Hexachlorobutadiene	14.87	225	783041	55.232	ug/l	100
95) Naphthalene	14.96	128	1794033	54.696	ug/l	100
96) 1,2,3-Trichlorobenzene	15.11	180	1037594	56.125	ug/l	100

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 6.38 min Scan# 493

Delta R.T. 0.00 min

Lab File: VD059996.D

Acq: 13 Sep 2018 13:42

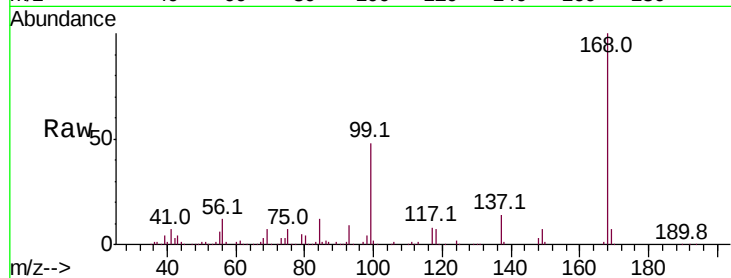
Instrument :
MSVOA_D
ClientSampleId :

Tot Ion:168 Resp: 1537988

Ion Ratio Lower Upper

168 100

99 48.1 38.5 57.7



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC

6.38

600000

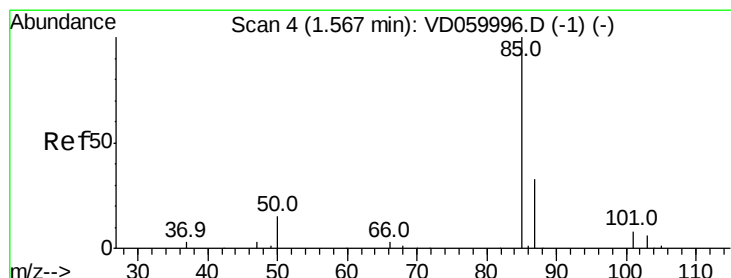
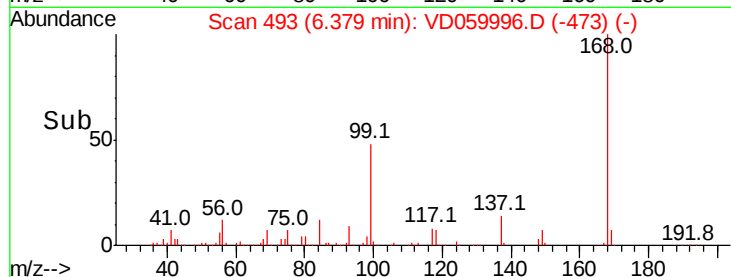
400000

200000

0

6.30 6.40 6.50 6.60

Time-->



#2

Dichlorodifluoromethane

Concen: 47.540 ug/l

RT: 1.57 min Scan# 4

Delta R.T. 0.00 min

Lab File: VD059996.D

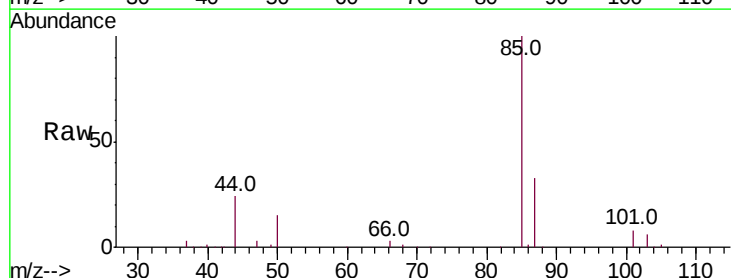
Acq: 13 Sep 2018 13:42

Tgt Ion: 85 Resp: 684758

Ion Ratio Lower Upper

85 100

87 32.7 16.4 49.1



Abundance Ion 84.95 (84.65 to 85.65): VDC

Ion 86.90 (86.60 to 87.60): VDC

1.57

400000

300000

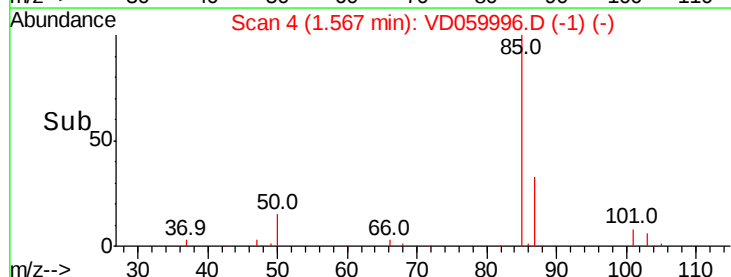
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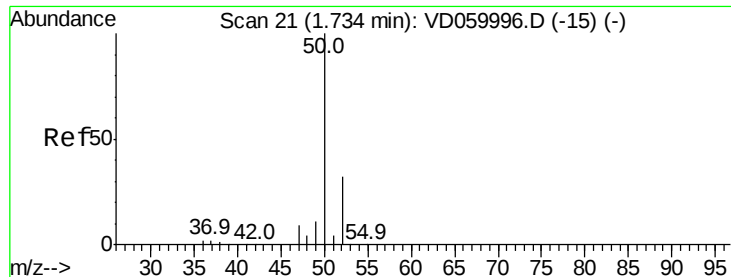
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0

1.50 1.60 1.70

Time-->

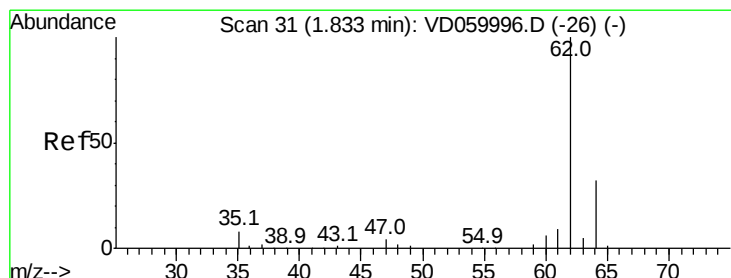
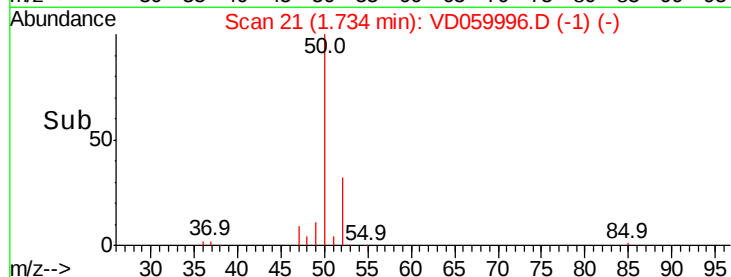
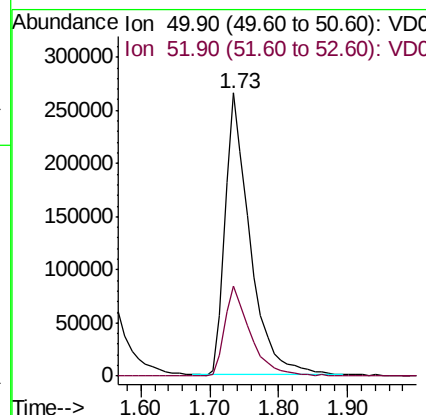
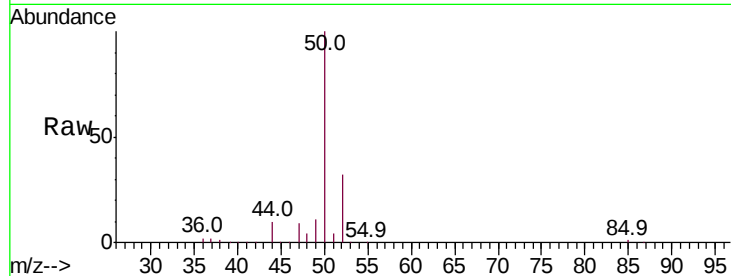




#3
Chloromethane
Concen: 52.188 ug/l
RT: 1.73 min Scan# 21
Delta R.T. 0.00 min
Lab File: VD059996.D
Acq: 13 Sep 2018 13:42

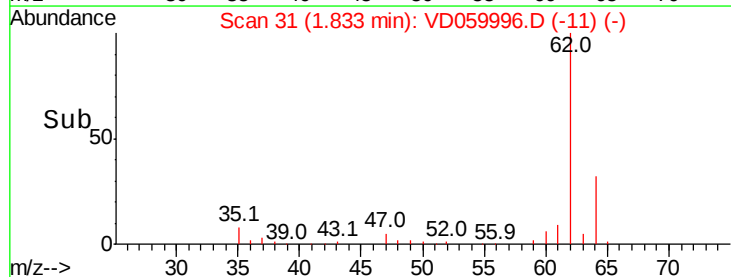
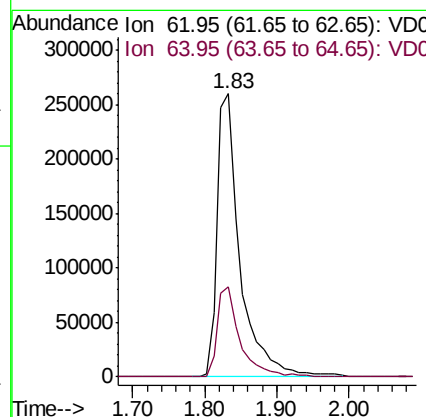
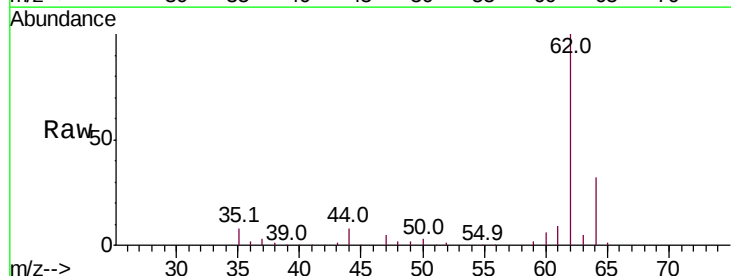
Instrument :
MSVOA_D
ClientSampleId :

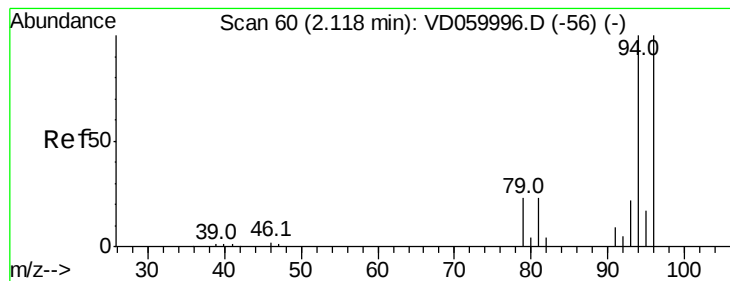
Tot Ion: 50 Resp: 665324
Ion Ratio Lower Upper
50 100
52 31.8 25.4 38.2



#4
Vinyl Chloride
Concen: 56.385 ug/l
RT: 1.83 min Scan# 31
Delta R.T. 0.00 min
Lab File: VD059996.D
Acq: 13 Sep 2018 13:42

Tgt Ion: 62 Resp: 566565
Ion Ratio Lower Upper
62 100
64 31.9 25.5 38.3





#5

Bromomethane

Concen: 53.710 ug/l

RT: 2.12 min Scan# 60

Delta R.T. 0.00 min

Lab File: VD059996.D

Acq: 13 Sep 2018 13:42

Instrument :

MSVOA_D

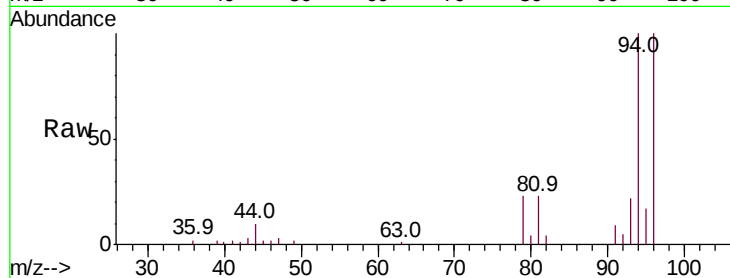
ClientSampled :

Tot Ion: 94 Resp: 94398

Ion Ratio Lower Upper

94 100

96 99.8 79.8 119.8



Abundance Ion 93.90 (93.60 to 94.60): VDC

Ion 95.90 (95.60 to 96.60): VDC

2.12

40000

30000

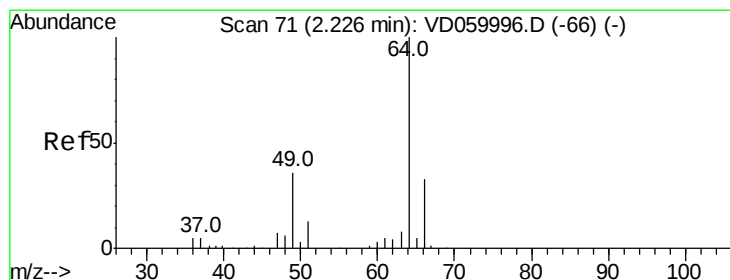
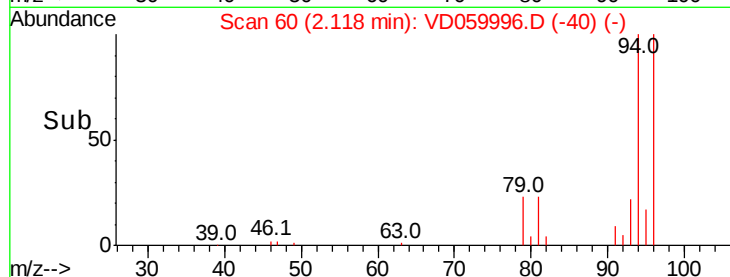
20000

10000

0

Time-->

2.00 2.10 2.20 2.30



#6

Chloroethane

Concen: 56.777 ug/l

RT: 2.23 min Scan# 71

Delta R.T. 0.00 min

Lab File: VD059996.D

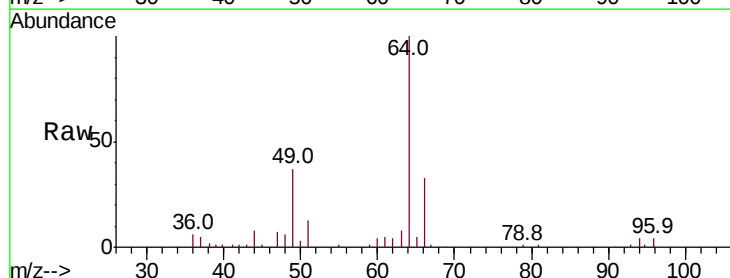
Acq: 13 Sep 2018 13:42

Tgt Ion: 64 Resp: 175345

Ion Ratio Lower Upper

64 100

66 33.1 26.5 39.7



Abundance Ion 63.95 (63.65 to 64.65): VDC

Ion 65.90 (65.60 to 66.60): VDC

2.23

80000

60000

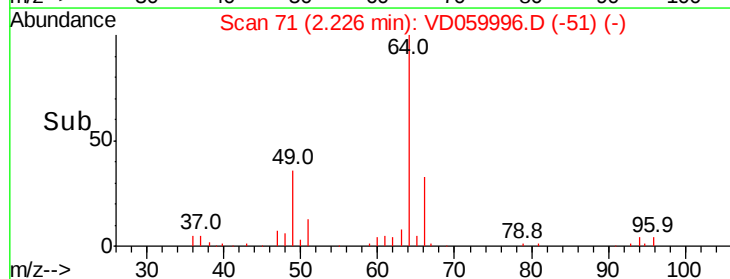
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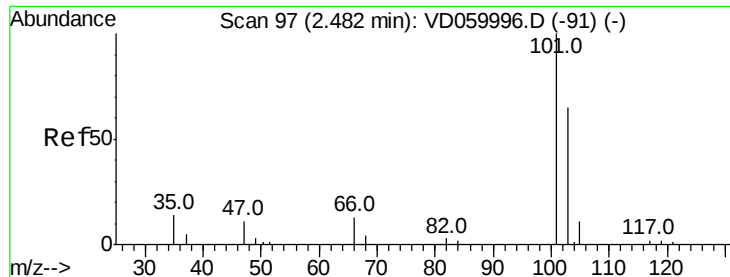
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Time-->

2.10 2.20 2.30 2.40





#7

Trichlorofluoromethane

Concen: 59.303 ug/l

RT: 2.48 min Scan# 97

Delta R.T. 0.00 min

Lab File: VD059996.D

Acq: 13 Sep 2018 13:42

Instrument :

MSVOA_D

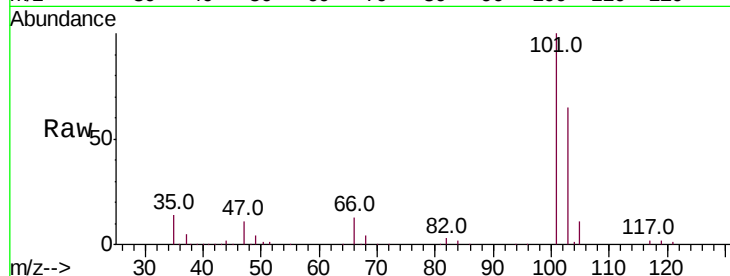
ClientSampleId :

Tot Ion:101 Resp: 695875

Ion Ratio Lower Upper

101 100

103 64.5 51.6 77.4



Abundance Ion 100.85 (100.55 to 101.55): V

Ion 102.85 (102.55 to 103.55): V

2.48

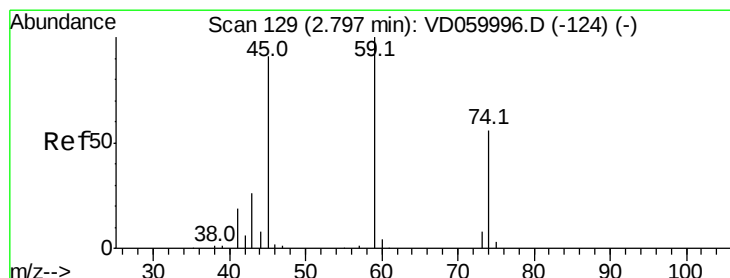
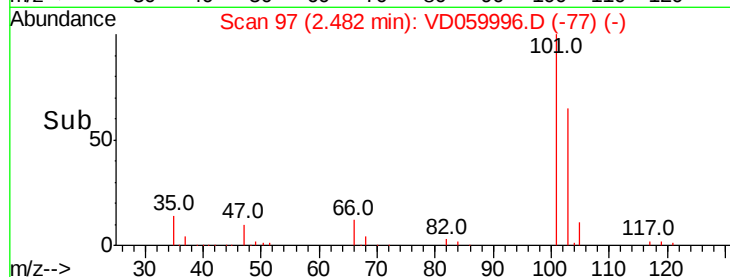
300000

200000

100000

0

Time-->



#8

Diethyl Ether

Concen: 55.641 ug/l

RT: 2.80 min Scan# 129

Delta R.T. 0.00 min

Lab File: VD059996.D

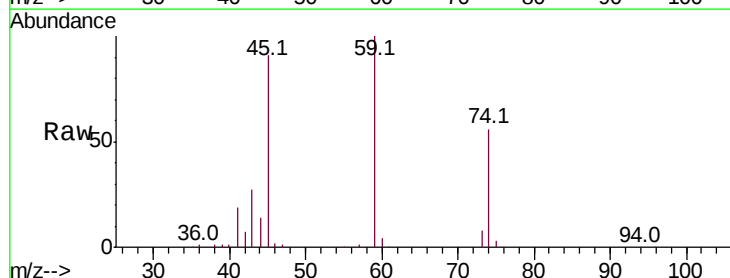
Acq: 13 Sep 2018 13:42

Tgt Ion: 74 Resp: 143806

Ion Ratio Lower Upper

74 100

45 162.3 81.2 243.4



Abundance Ion 74.00 (73.70 to 74.70): VDC

Ion 45.05 (44.75 to 45.75): VDC

120000

100000

80000

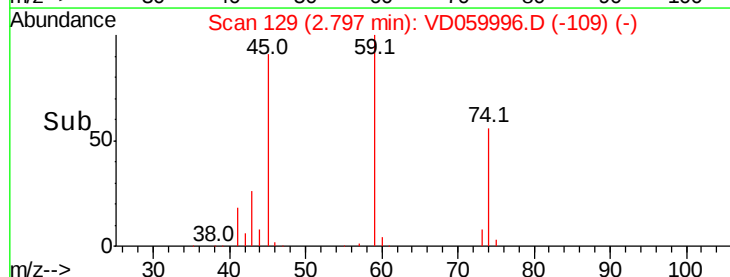
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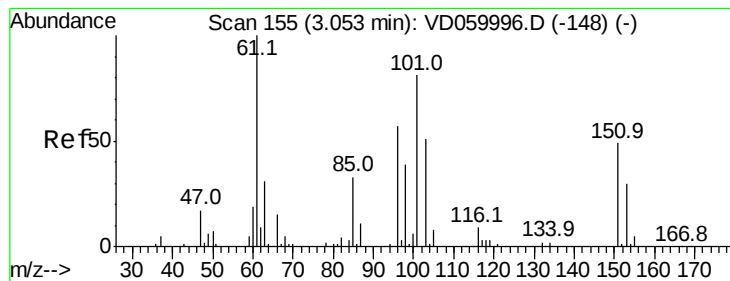
40000

20000

0

Time-->





#9

1,1,2-Trichlorotrifluoroethane

Concen: 58.467 ug/l

RT: 3.05 min Scan# 155

Delta R.T. 0.00 min

Lab File: VD059996.D

Acq: 13 Sep 2018 13:42

Instrument :

MSVOA_D

ClientSampleId :

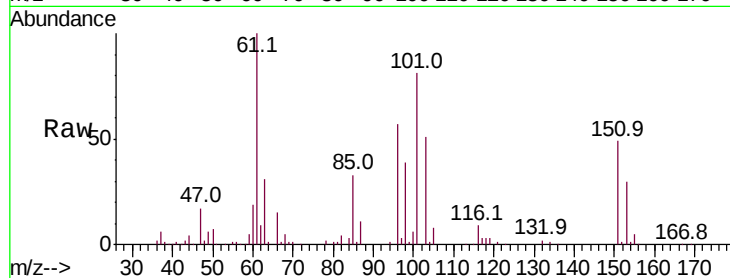
Tot Ion:101 Resp: 421550

Ion Ratio Lower Upper

101 100

85 41.4 33.1 49.7

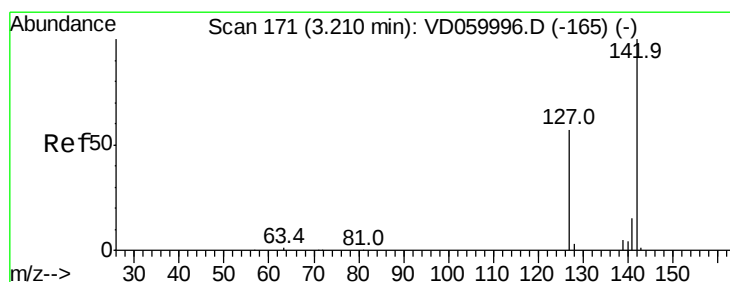
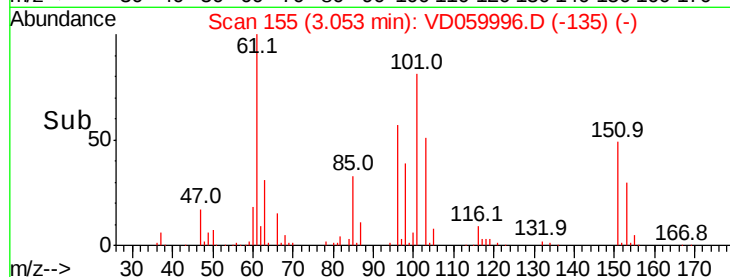
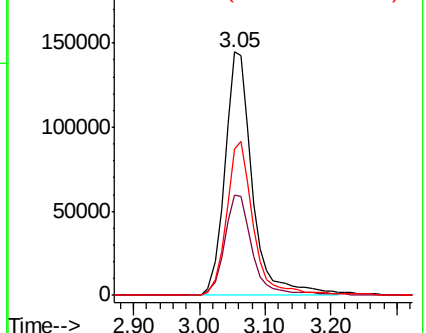
151 60.3 48.2 72.4



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: 73.063 ug/l

RT: 3.21 min Scan# 171

Delta R.T. 0.00 min

Lab File: VD059996.D

Acq: 13 Sep 2018 13:42

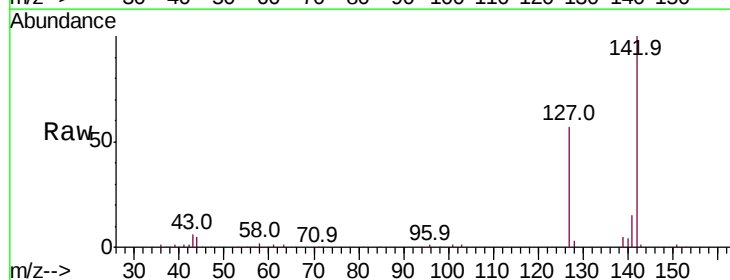
Tgt Ion:142 Resp: 487050

Ion Ratio Lower Upper

142 100

127 57.3 45.8 68.8

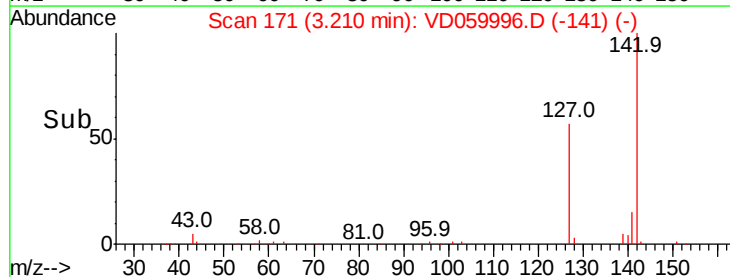
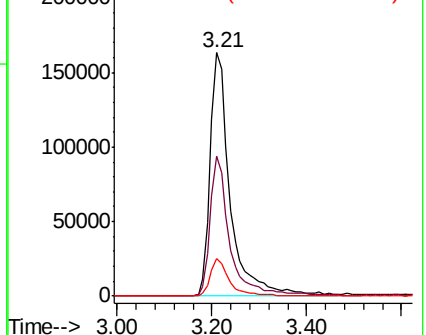
141 15.3 12.2 18.4

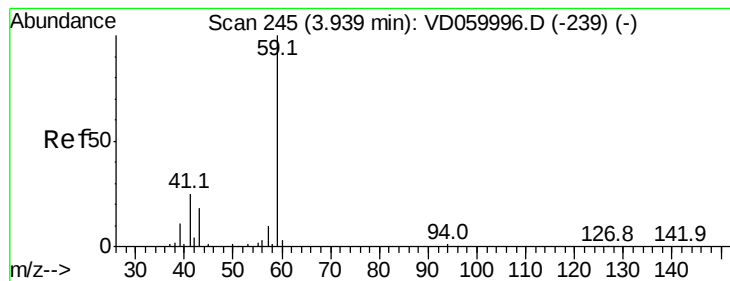


Abundance Ion 141.85 (141.55 to 142.55): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.85 (140.55 to 141.55): V





#11

Tert butyl alcohol

Concen: 255.245 ug/l

RT: 3.94 min Scan# 245

Delta R.T. 0.00 min

Lab File: VD059996.D

Acq: 13 Sep 2018 13:42

Instrument :

MSVOA_D

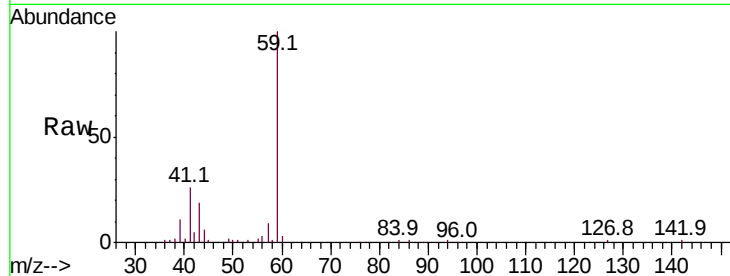
ClientSampleId :

Tot Ion: 59 Resp: 248975

Ion Ratio Lower Upper

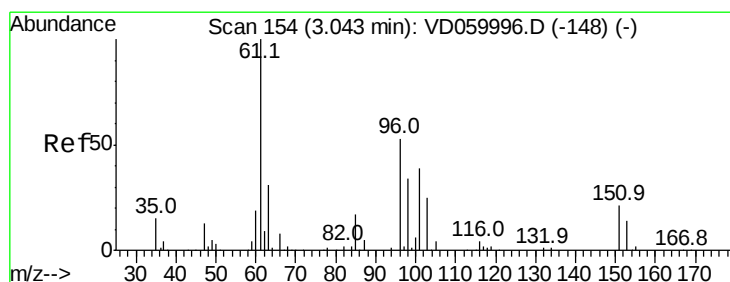
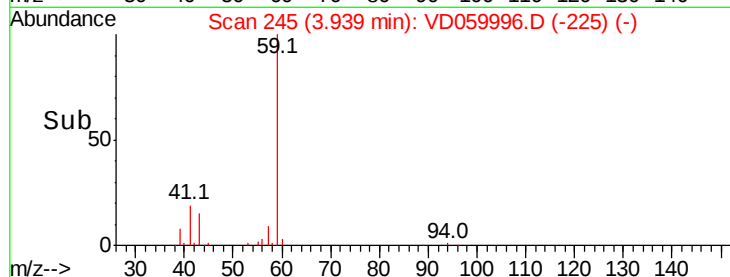
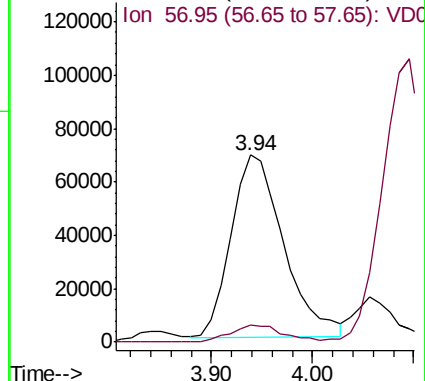
59 100

57 9.3 7.4 11.2



Abundance Ion 58.95 (58.65 to 59.65): VDC

Ion 56.95 (56.65 to 57.65): VDC



#12

1,1-Dichloroethene

Concen: 59.120 ug/l

RT: 3.04 min Scan# 154

Delta R.T. 0.00 min

Lab File: VD059996.D

Acq: 13 Sep 2018 13:42

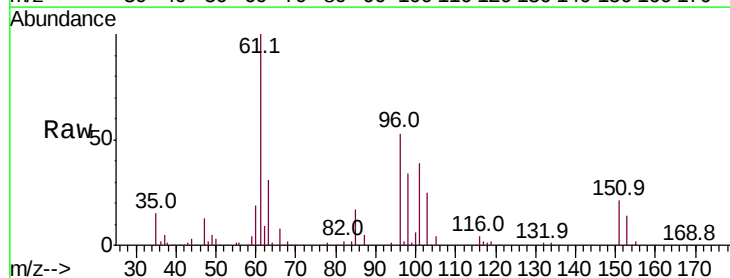
Tgt Ion: 96 Resp: 331653

Ion Ratio Lower Upper

96 100

61 187.2 149.8 224.6

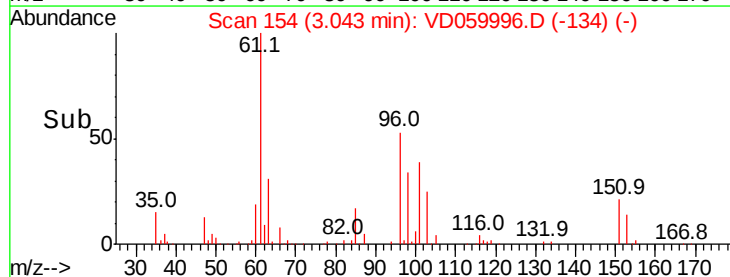
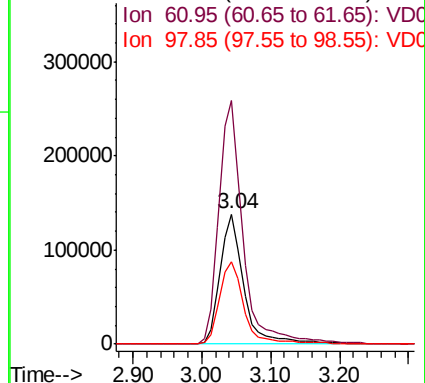
98 62.8 50.2 75.4

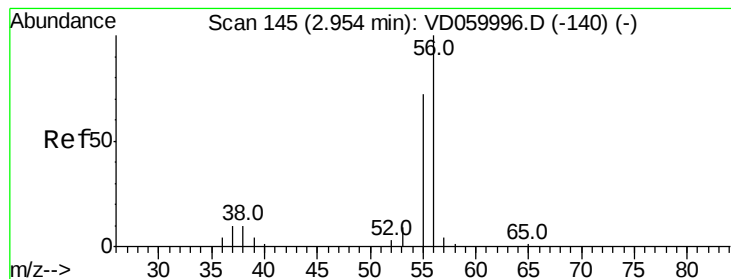


Abundance Ion 95.90 (95.60 to 96.60): VDC

Ion 60.95 (60.65 to 61.65): VDC

Ion 97.85 (97.55 to 98.55): VDC





#13

Acrolein

Concen: 314.869 ug/l

RT: 2.95 min Scan# 145

Delta R.T. 0.00 min

Lab File: VD059996.D

Acq: 13 Sep 2018 13:42

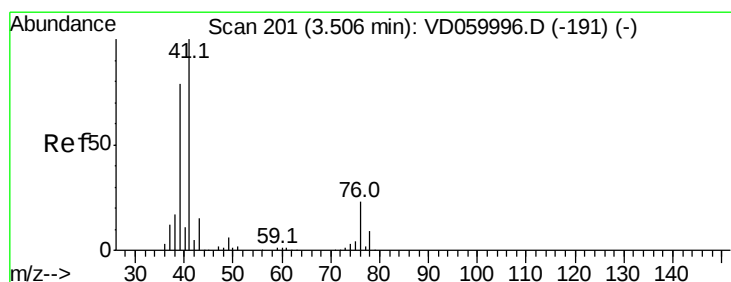
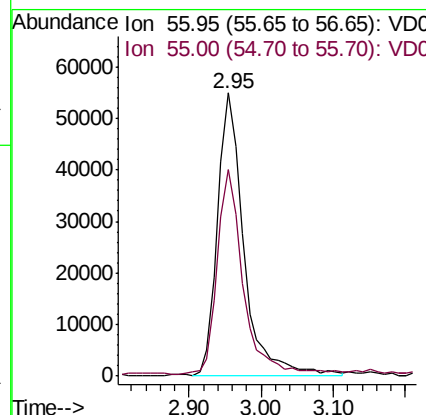
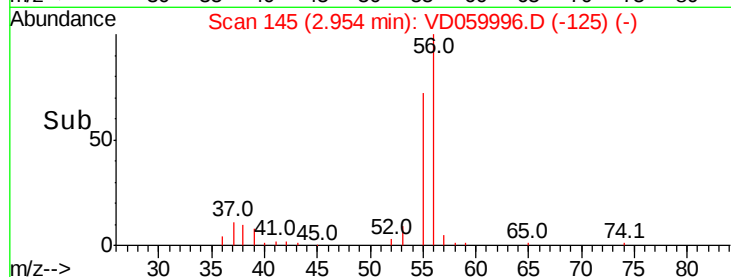
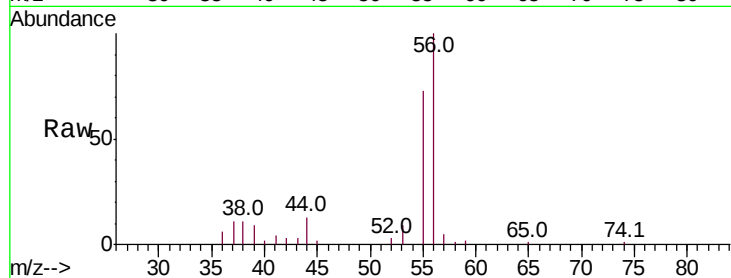
Instrument :
MSVOA_D
ClientSampled :

Tot Ion: 56 Resp: 139217

Ion Ratio Lower Upper

56 100

55 72.9 58.3 87.5



#14

Allyl chloride

Concen: 57.245 ug/l

RT: 3.51 min Scan# 201

Delta R.T. 0.00 min

Lab File: VD059996.D

Acq: 13 Sep 2018 13:42

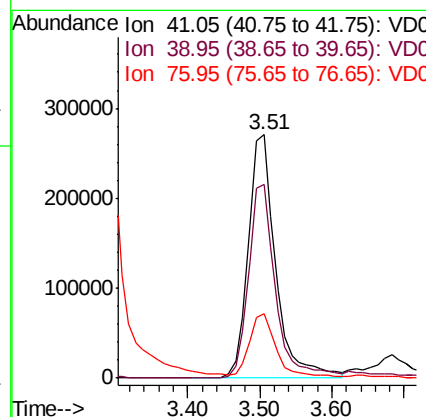
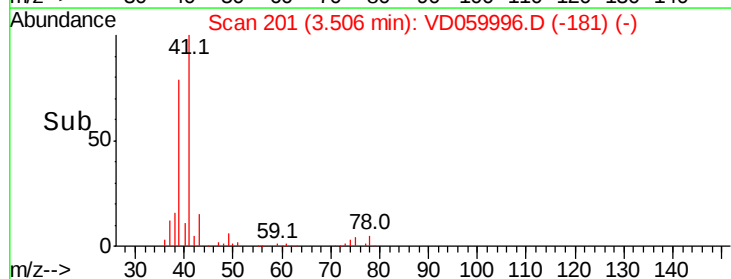
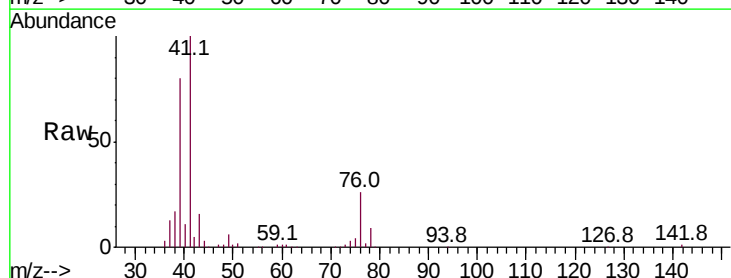
Tgt Ion: 41 Resp: 714843

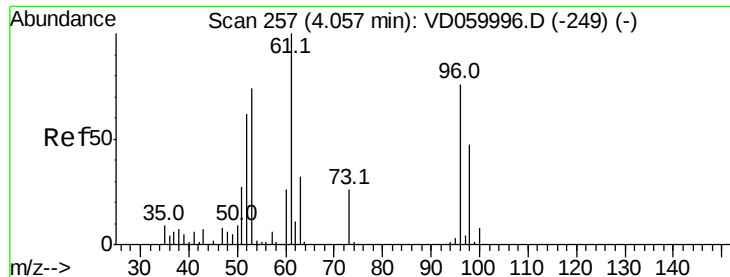
Ion Ratio Lower Upper

41 100

39 79.5 63.6 95.4

76 26.4 21.1 31.7





#15

Acrylonitrile

Concen: 260.073 ug/l

RT: 4.06 min Scan# 257

Delta R.T. 0.00 min

Lab File: VD059996.D

Acq: 13 Sep 2018 13:42

Instrument :
MSVOA_D
ClientSampled :

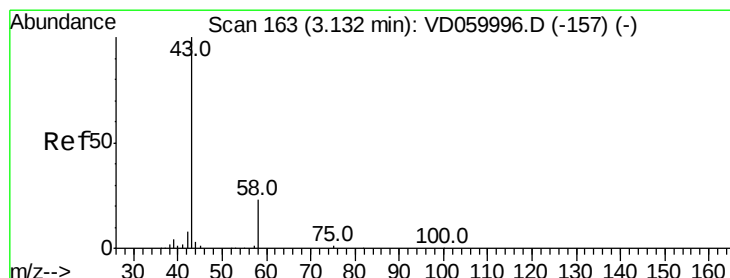
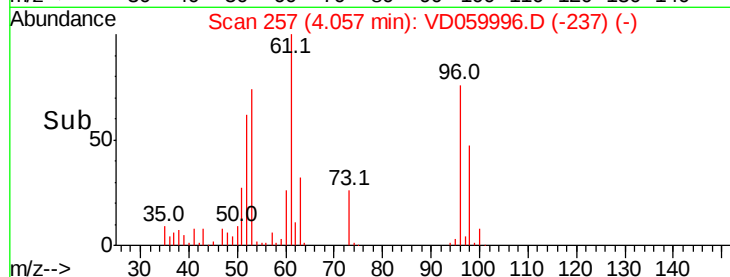
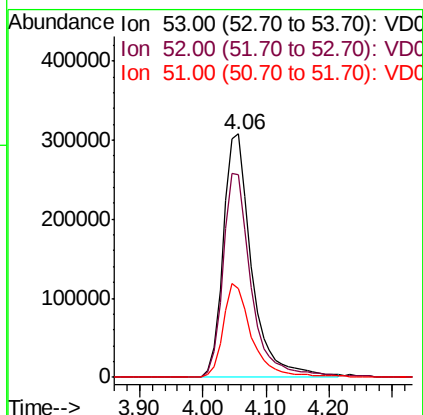
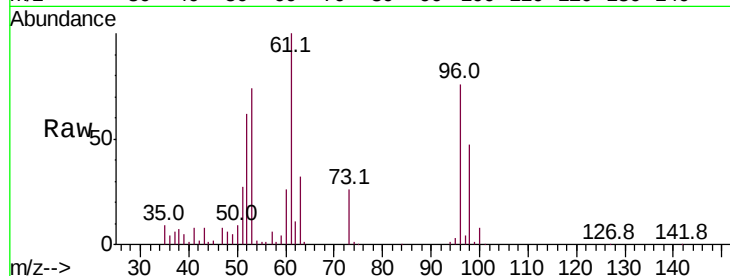
Tot Ion: 53 Resp: 959062

Ion Ratio Lower Upper

53 100

52 83.4 66.7 100.1

51 36.3 29.0 43.6



#16

Acetone

Concen: 252.454 ug/l

RT: 3.13 min Scan# 163

Delta R.T. 0.00 min

Lab File: VD059996.D

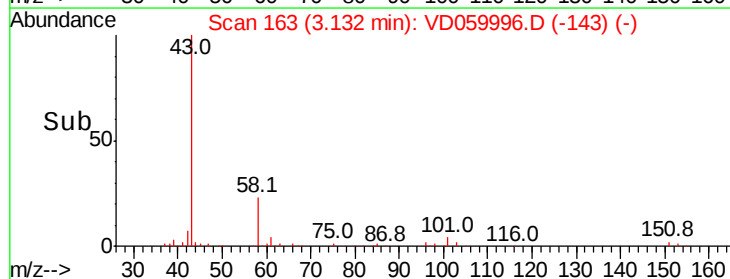
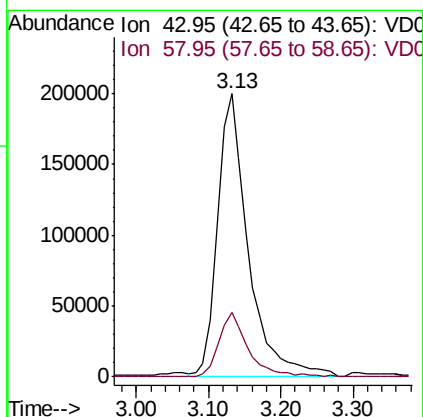
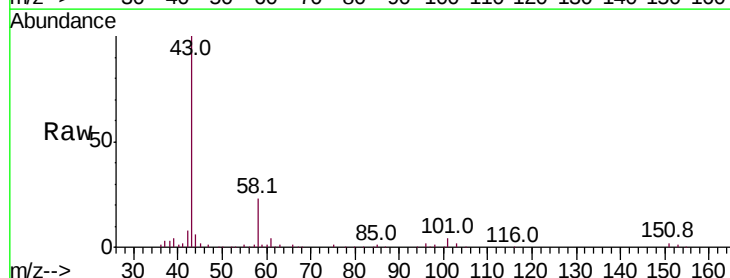
Acq: 13 Sep 2018 13:42

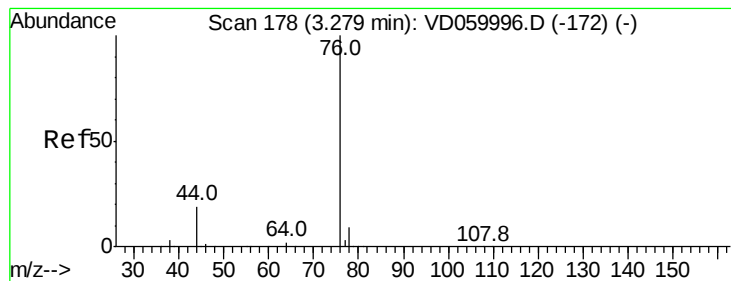
Tgt Ion: 43 Resp: 588183

Ion Ratio Lower Upper

43 100

58 22.6 18.1 27.1





#17

Carbon Disulfide

Concen: 65.425 ug/l

RT: 3.28 min Scan# 178

Delta R.T. 0.00 min

Lab File: VD059996.D

Acq: 13 Sep 2018 13:42

Instrument :

MSVOA_D

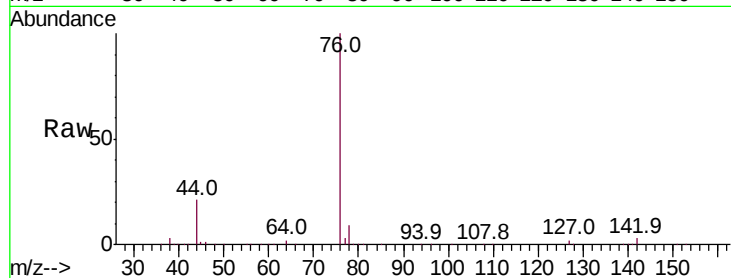
ClientSampled :

Tot Ion: 76 Resp: 1161131

Ion Ratio Lower Upper

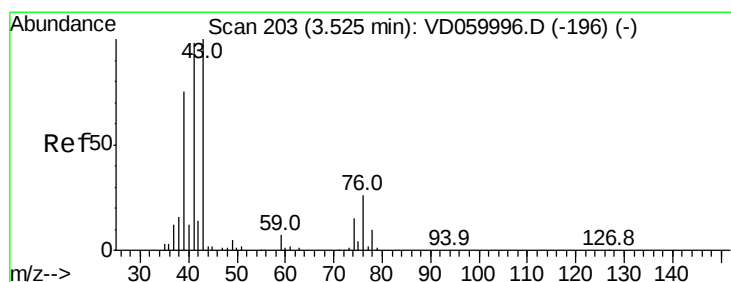
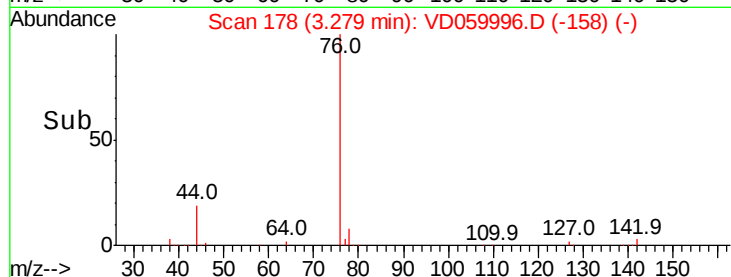
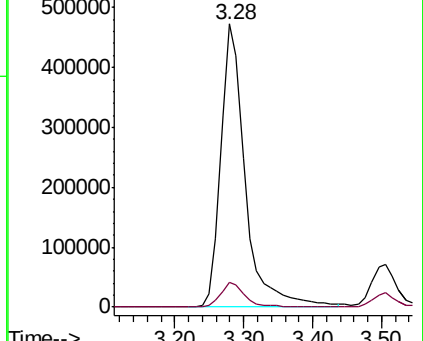
76 100

78 8.7 7.0 10.4



Abundance Ion 75.85 (75.55 to 76.55): VDC

Ion 77.85 (77.55 to 78.55): VDC



#18

Methyl Acetate

Concen: 49.459 ug/l

RT: 3.53 min Scan# 203

Delta R.T. 0.00 min

Lab File: VD059996.D

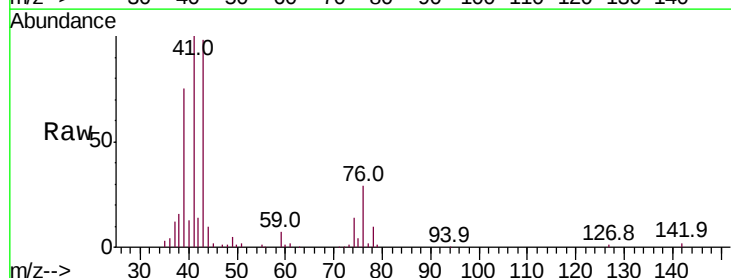
Acq: 13 Sep 2018 13:42

Tgt Ion: 43 Resp: 241858

Ion Ratio Lower Upper

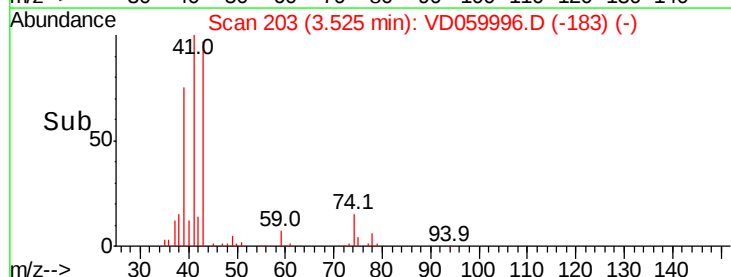
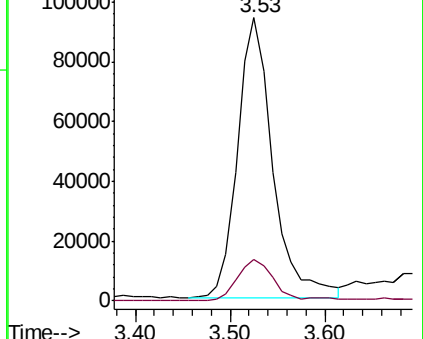
43 100

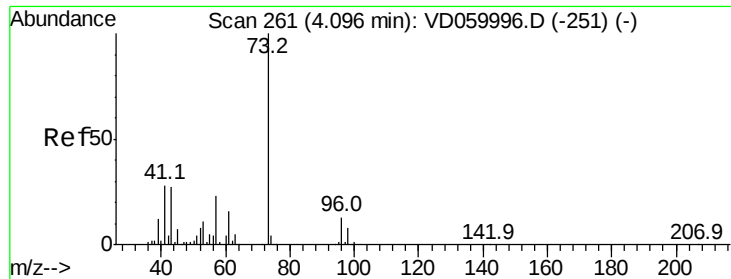
74 14.8 11.8 17.8



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 74.00 (73.70 to 74.70): VDC

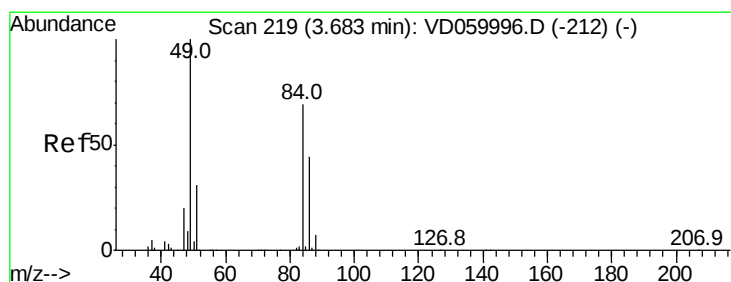
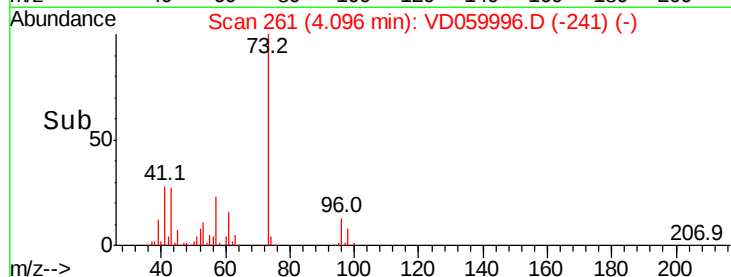
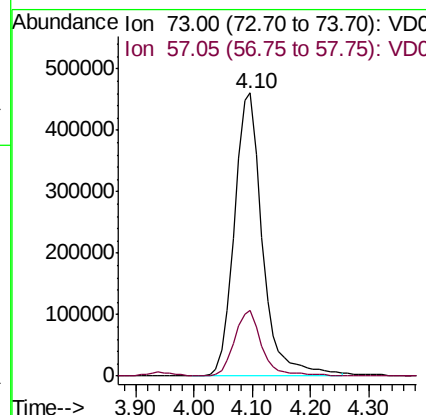
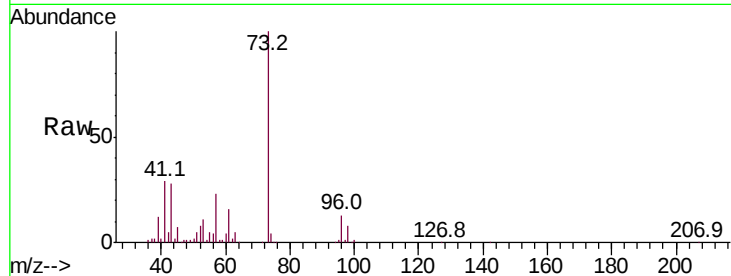




#19
Methyl tert-butyl Ether
Concen: 51.096 ug/l
RT: 4.10 min Scan# 261
Delta R.T. 0.00 min
Lab File: VD059996.D
Acq: 13 Sep 2018 13:42

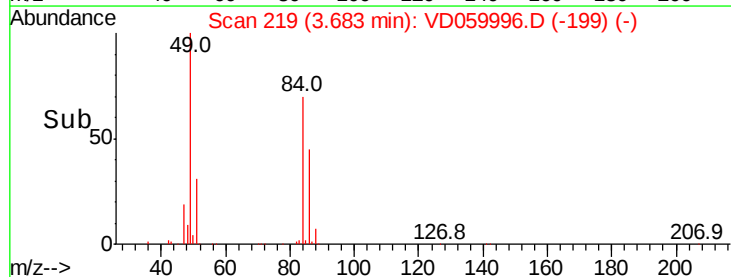
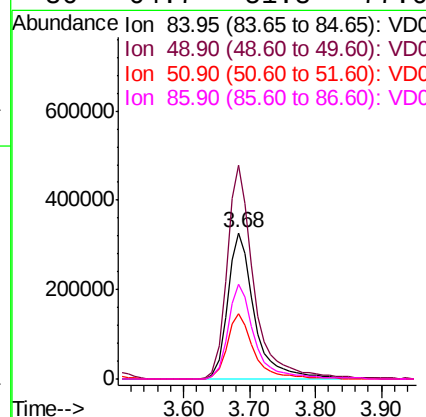
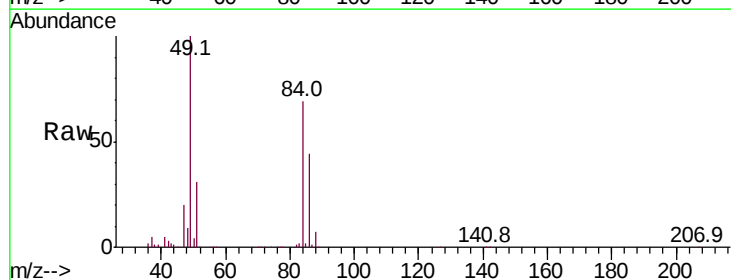
Instrument :
MSVOA_D
ClientSampleId :

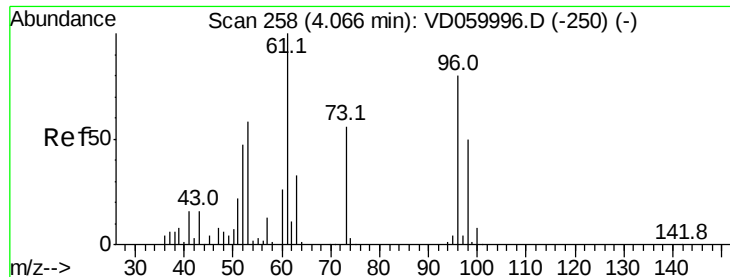
Tot Ion: 73 Resp: 1545479
Ion Ratio Lower Upper
73 100
57 23.0 18.4 27.6



#20
Methylene Chloride
Concen: 49.020 ug/l
RT: 3.68 min Scan# 219
Delta R.T. 0.00 min
Lab File: VD059996.D
Acq: 13 Sep 2018 13:42

Tgt Ion: 84 Resp: 931802
Ion Ratio Lower Upper
84 100
49 145.8 116.6 175.0
51 44.9 35.9 53.9
86 64.7 51.8 77.6





#21

trans-1,2-Dichloroethene

Concen: 58.468 ug/l

RT: 4.07 min Scan# 258

Delta R.T. 0.00 min

Lab File: VD059996.D

Acq: 13 Sep 2018 13:42

Instrument :

MSVOA_D

ClientSampleId :

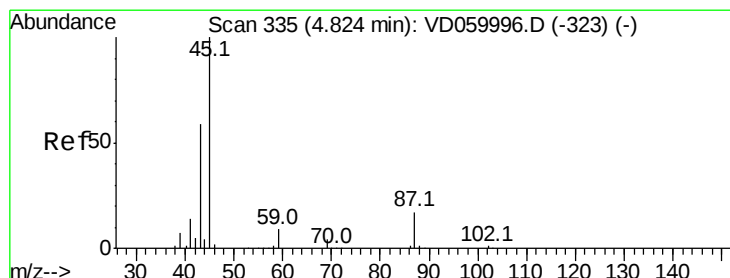
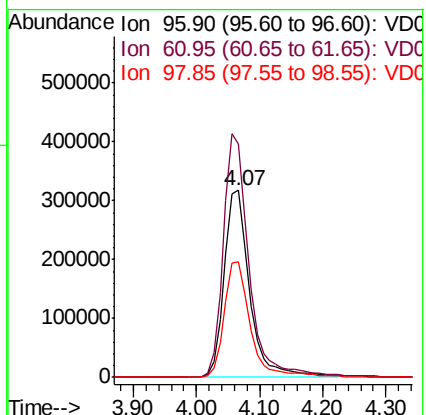
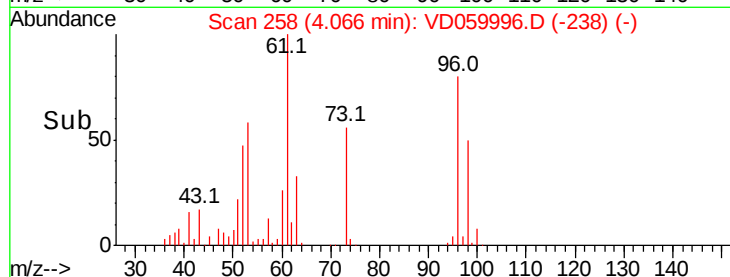
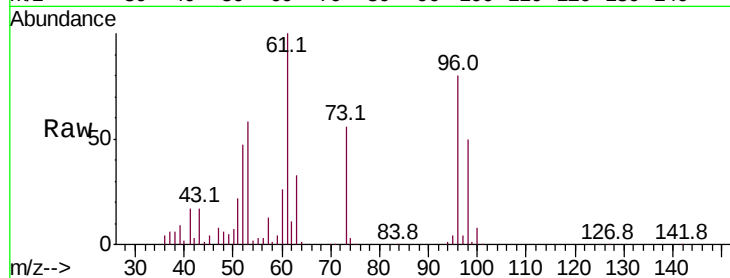
Tot Ion: 96 Resp: 895474

Ion Ratio Lower Upper

96 100

61 125.1 100.1 150.1

98 61.9 49.5 74.3



#22

Diisopropyl ether

Concen: 52.807 ug/l

RT: 4.82 min Scan# 335

Delta R.T. 0.00 min

Lab File: VD059996.D

Acq: 13 Sep 2018 13:42

Tgt Ion: 45 Resp: 3295009

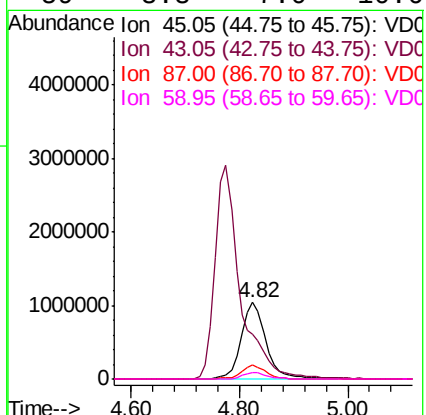
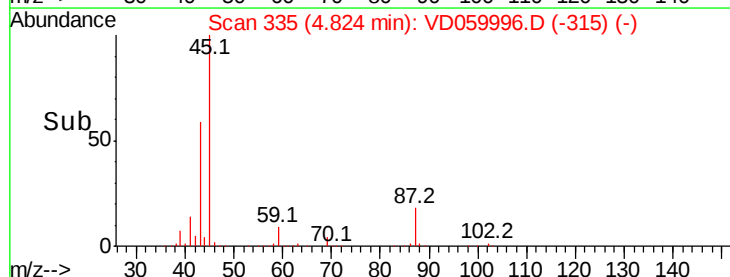
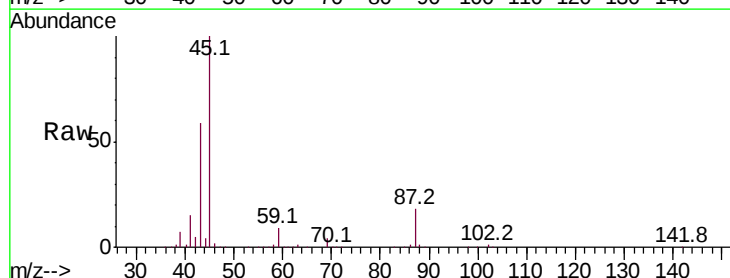
Ion Ratio Lower Upper

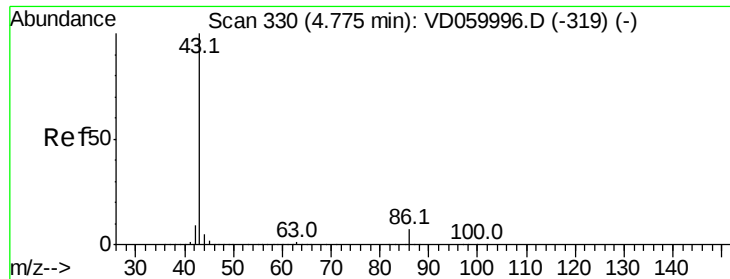
45 100

43 58.9 47.1 70.7

87 17.7 14.2 21.2

59 8.8 7.0 10.6





#23

Vinyl Acetate

Concen: 268.413 ug/l

RT: 4.78 min Scan# 330

Delta R.T. 0.00 min

Lab File: VD059996.D

Acq: 13 Sep 2018 13:42

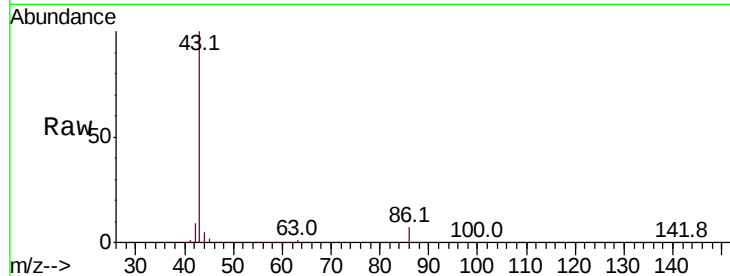
Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 43 Resp: 9352208

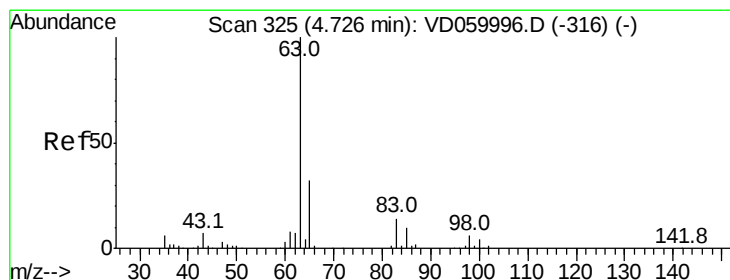
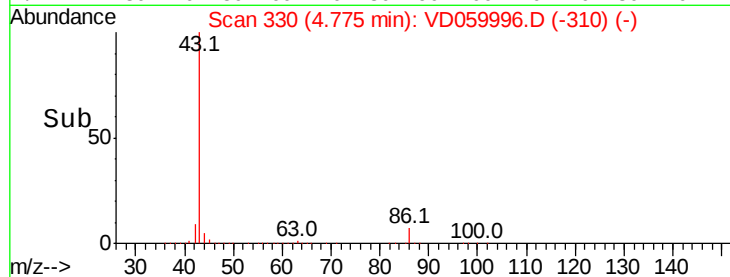
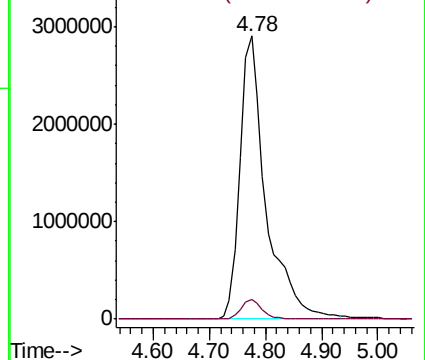
Ion Ratio Lower Upper

43 100

86 6.9 5.5 8.3



Abundance Ion 42.95 (42.65 to 43.65): VDC
Ion 86.00 (85.70 to 86.70): VDC



#24

1,1-Dichloroethane

Concen: 54.084 ug/l

RT: 4.73 min Scan# 325

Delta R.T. 0.00 min

Lab File: VD059996.D

Acq: 13 Sep 2018 13:42

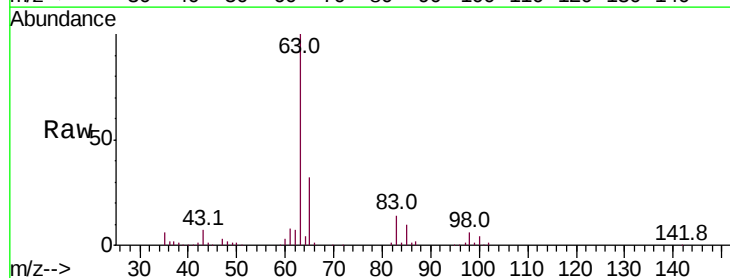
Tgt Ion: 63 Resp: 1470046

Ion Ratio Lower Upper

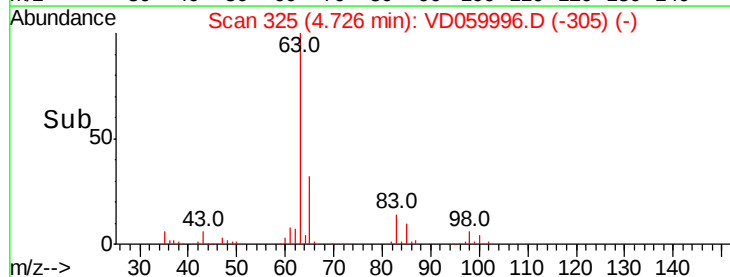
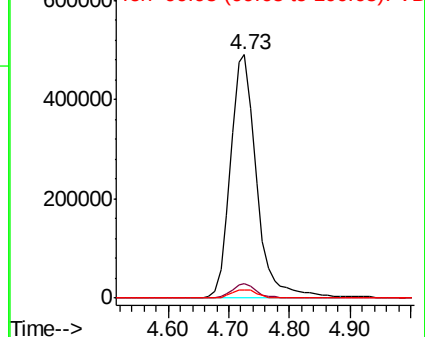
63 100

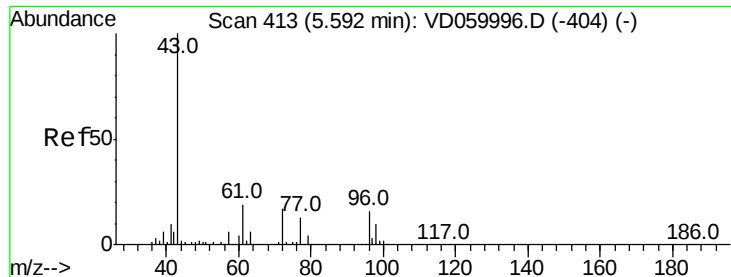
98 5.7 2.9 8.6

100 3.6 1.8 5.4



Abundance Ion 62.95 (62.65 to 63.65): VDC
Ion 97.95 (97.65 to 98.65): VDC
Ion 99.95 (99.65 to 100.65): VDC





#25

2-Butanone

Concen: 231.556 ug/l

RT: 5.59 min Scan# 413

Delta R.T. 0.00 min

Lab File: VD059996.D

Acq: 13 Sep 2018 13:42

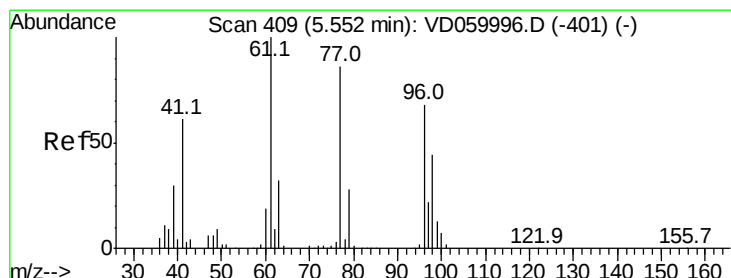
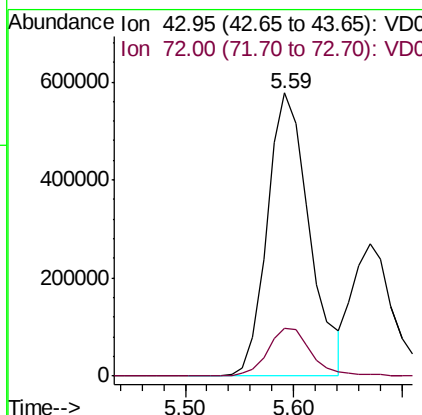
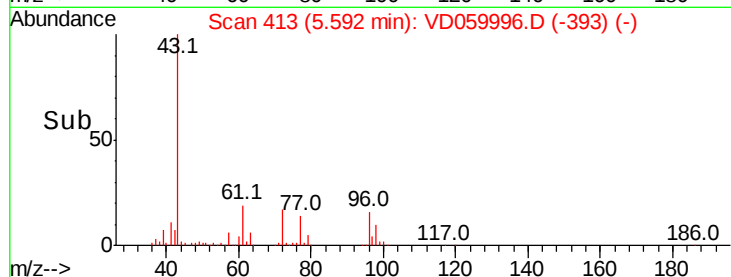
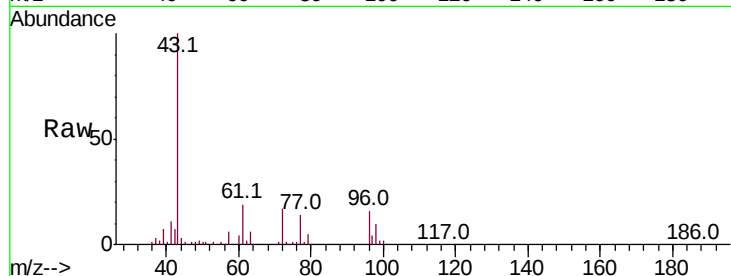
Instrument :
MSVOA_D
ClientSampled :

Tot Ion: 43 Resp: 1557961

Ion Ratio Lower Upper

43 100

72 17.0 13.6 20.4



#26

2,2-Dichloropropane

Concen: 49.501 ug/l

RT: 5.55 min Scan# 409

Delta R.T. 0.00 min

Lab File: VD059996.D

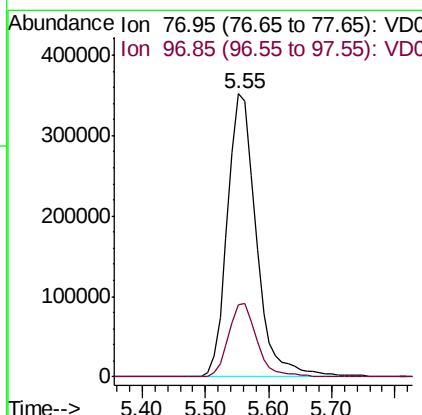
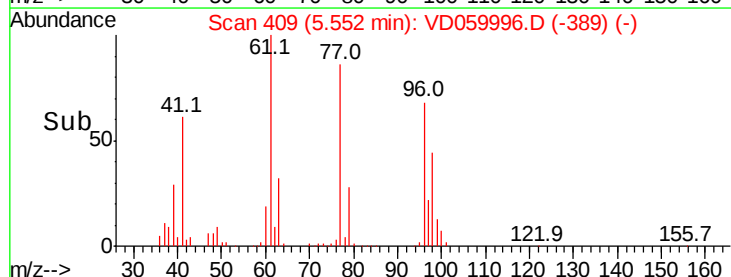
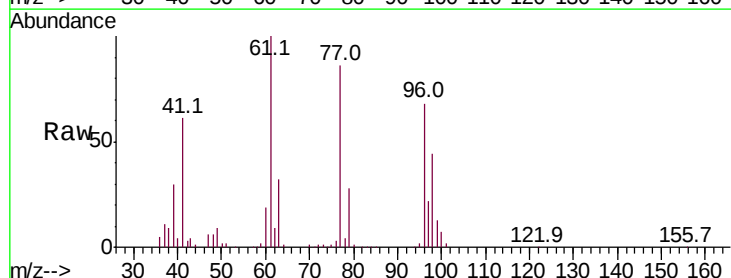
Acq: 13 Sep 2018 13:42

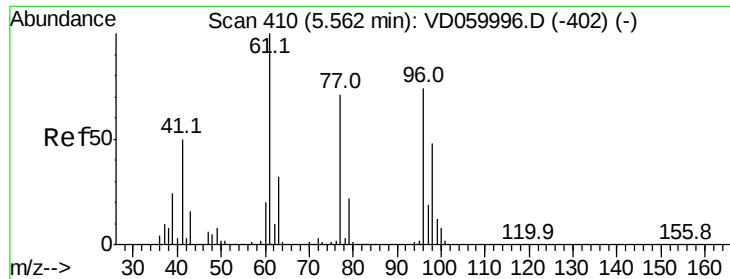
Tgt Ion: 77 Resp: 1117455

Ion Ratio Lower Upper

77 100

97 25.4 12.7 38.1



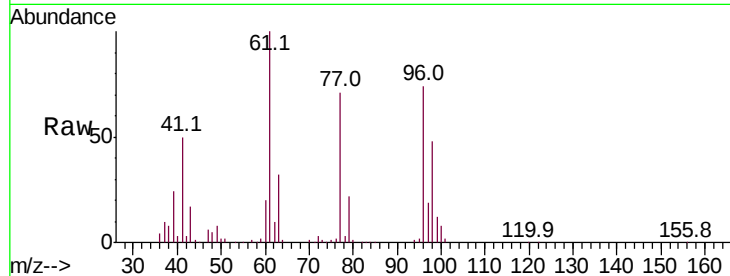


#27

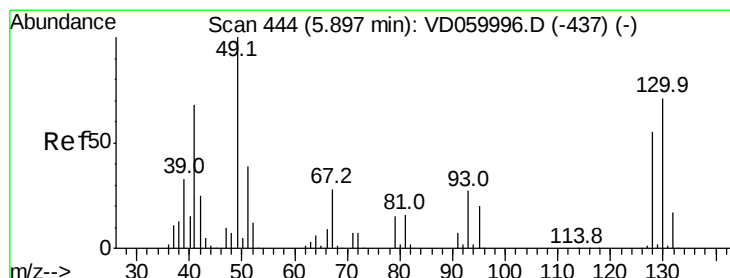
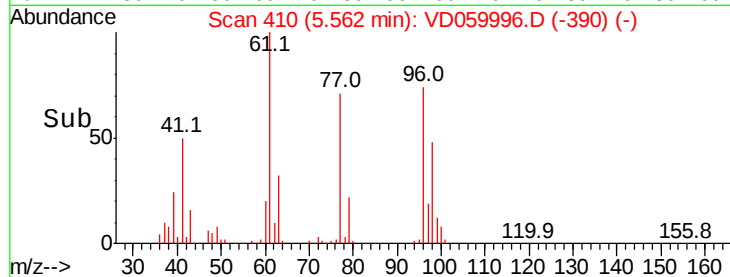
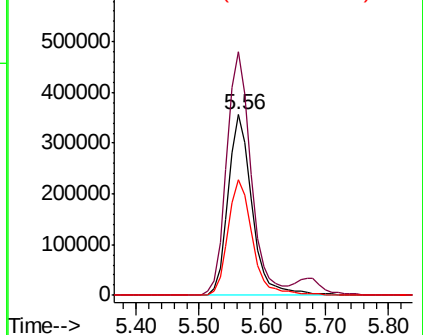
cis-1,2-Dichloroethene
Concen: 56.362 ug/l
RT: 5.56 min Scan# 410
Delta R.T. 0.00 min
Lab File: VD059996.D
Acq: 13 Sep 2018 13:42

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
96	100		
61	134.8	0.0	269.6
98	64.2	0.0	128.4



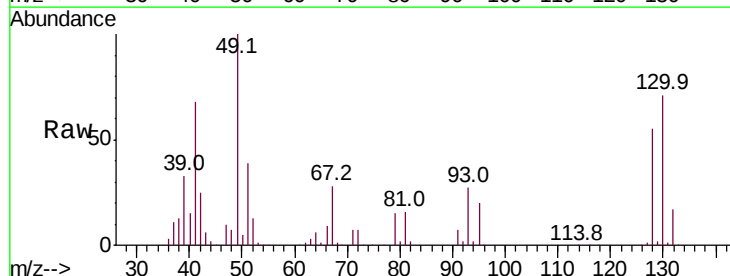
Abundance Ion 95.90 (95.60 to 96.60): VDC
Ion 60.95 (60.65 to 61.65): VDC
Ion 97.85 (97.55 to 98.55): VDC



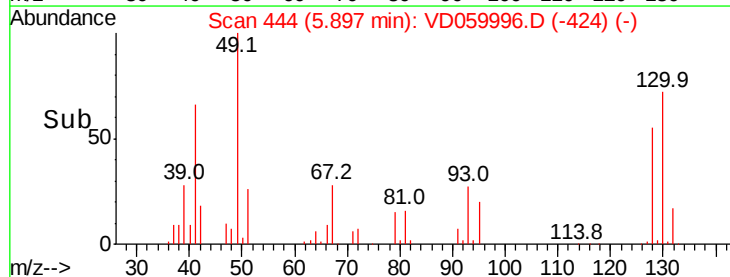
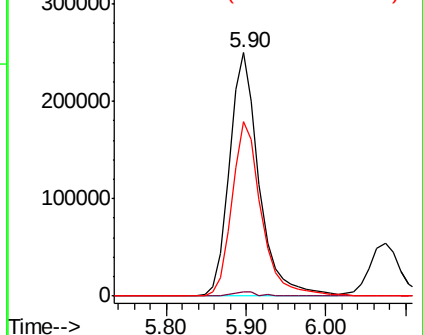
#28

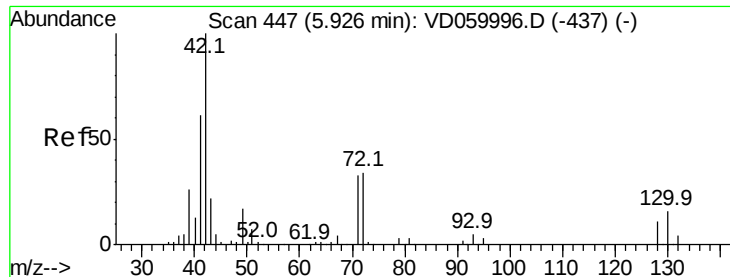
Bromochloromethane
Concen: 50.504 ug/l
RT: 5.90 min Scan# 444
Delta R.T. 0.00 min
Lab File: VD059996.D
Acq: 13 Sep 2018 13:42

Tgt Ion	Ratio	Lower	Upper
49	100		
129	1.8	0.0	3.6
130	71.4	57.1	85.7



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: 264.543 ug/l

RT: 5.93 min Scan# 447

Delta R.T. 0.00 min

Lab File: VD059996.D

Acq: 13 Sep 2018 13:42

Instrument :
MSVOA_D
ClientSampleId :

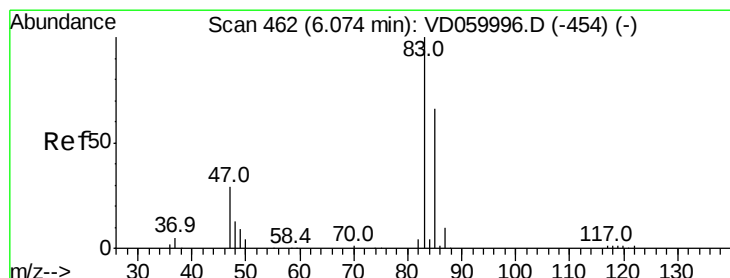
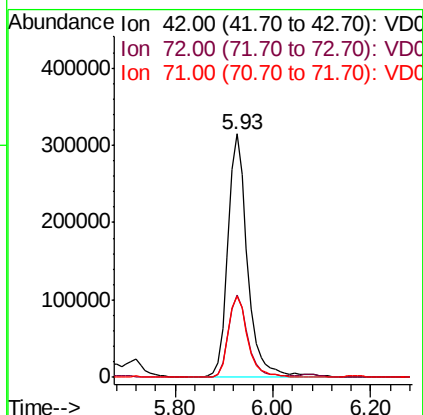
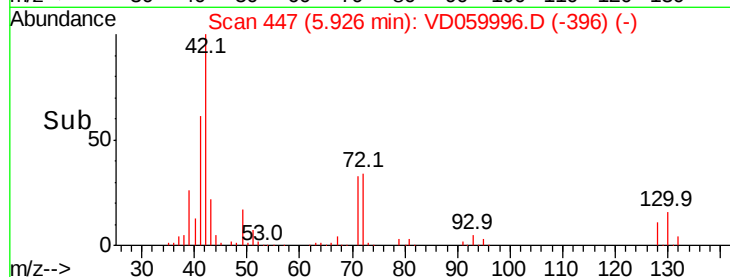
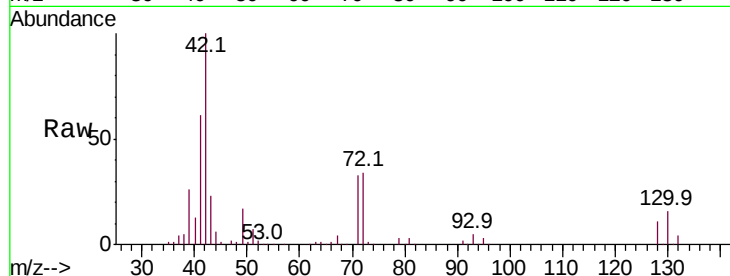
Tot Ion: 42 Resp: 879642

Ion Ratio Lower Upper

42 100

72 33.6 26.9 40.3

71 32.8 26.2 39.4



#30

Chloroform

Concen: 54.144 ug/l

RT: 6.07 min Scan# 462

Delta R.T. 0.00 min

Lab File: VD059996.D

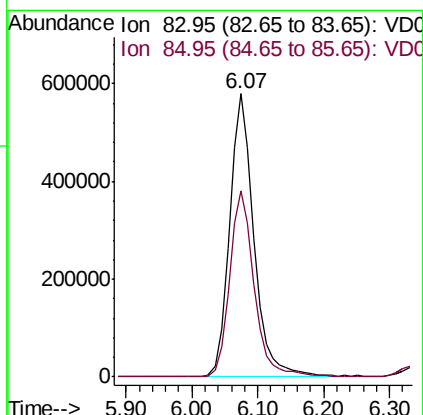
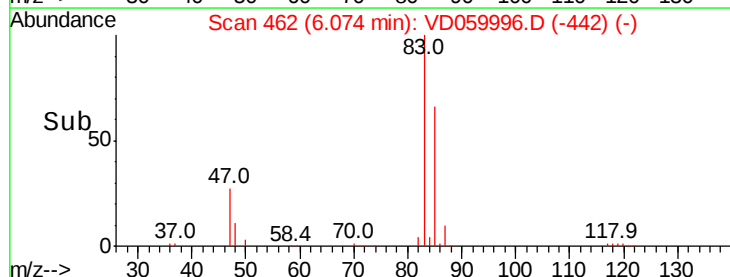
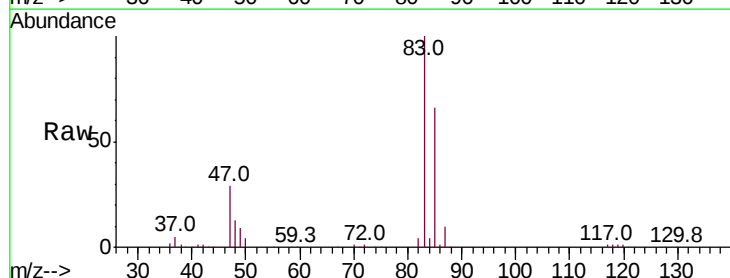
Acq: 13 Sep 2018 13:42

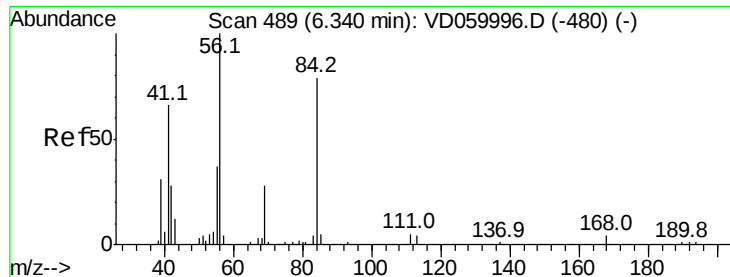
Tgt Ion: 83 Resp: 1498215

Ion Ratio Lower Upper

83 100

85 65.7 52.6 78.8

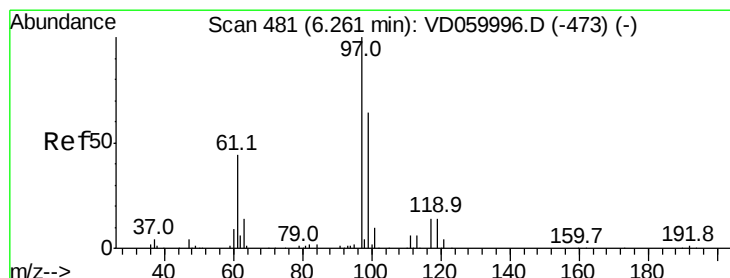
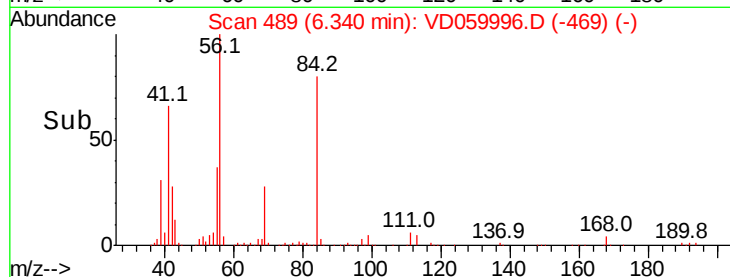
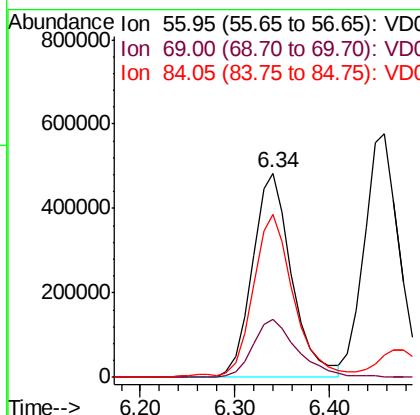
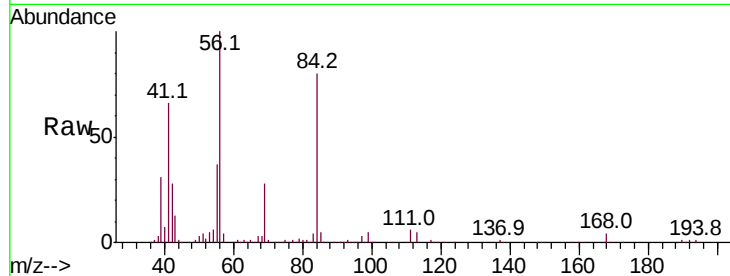




#31
Cvclohexane
Concen: 54.867 ug/l
RT: 6.34 min Scan# 489
Delta R.T. 0.00 min
Lab File: VD059996.D
Acq: 13 Sep 2018 13:42

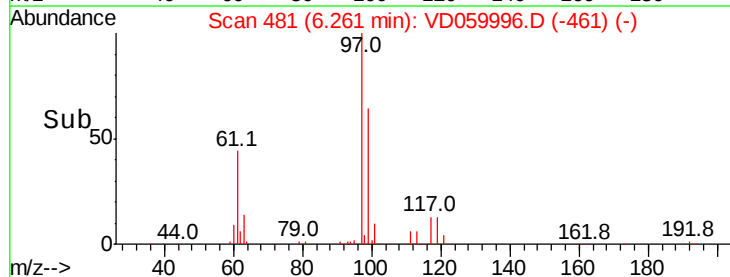
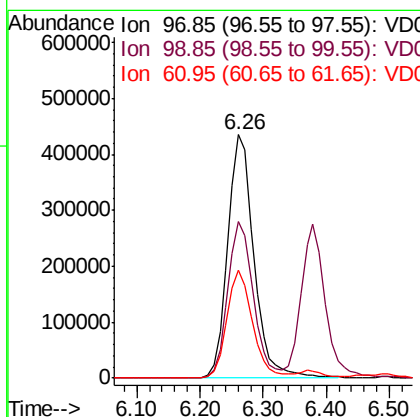
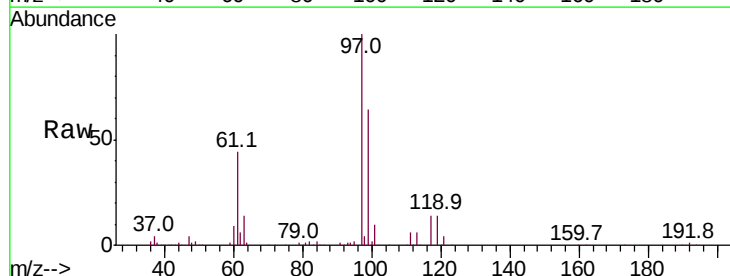
Instrument :
MSVOA_D
ClientSampleId :

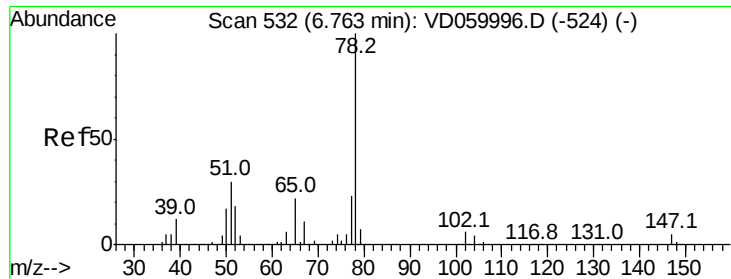
Tot Ion: 56 Resp: 1392666
Ion Ratio Lower Upper
56 100
69 28.4 22.7 34.1
84 80.0 64.0 96.0



#32
1,1,1-Trichloroethane
Concen: 53.265 ug/l
RT: 6.26 min Scan# 481
Delta R.T. 0.00 min
Lab File: VD059996.D
Acq: 13 Sep 2018 13:42

Tgt Ion: 97 Resp: 1247853
Ion Ratio Lower Upper
97 100
99 64.1 51.3 76.9
61 44.4 35.5 53.3

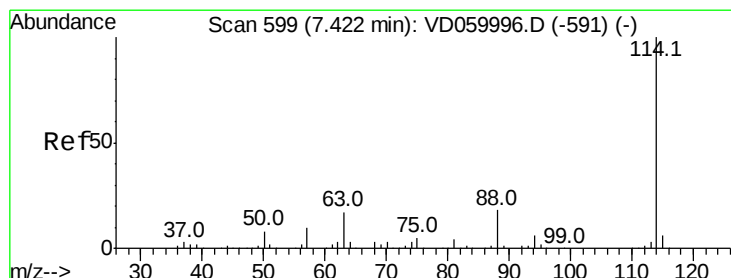
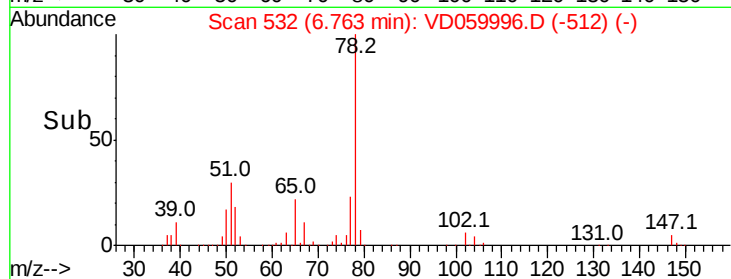
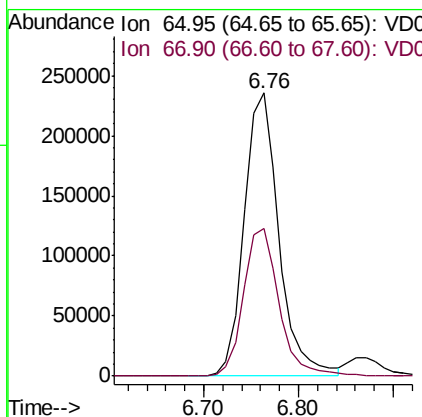
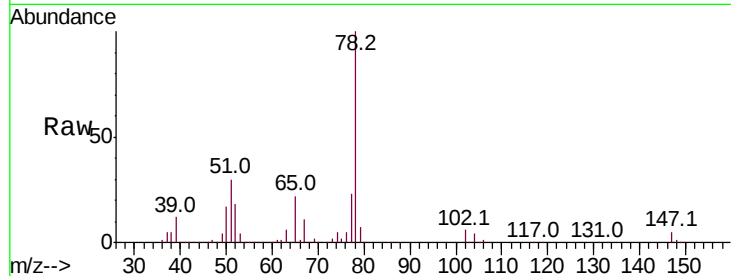




#33
 1,2-Dichloroethane-d4
 Concen: 53.265 ug/l
 RT: 6.76 min Scan# 532
 Delta R.T. 0.00 min
 Lab File: VD059996.D
 Acq: 13 Sep 2018 13:42

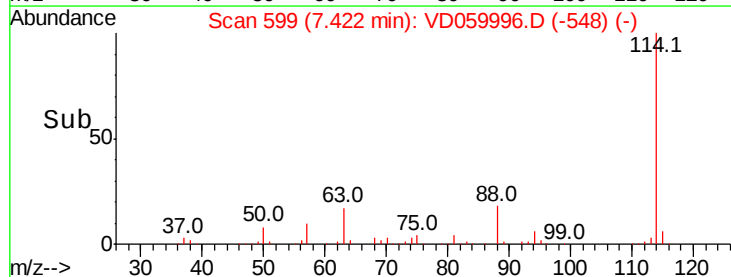
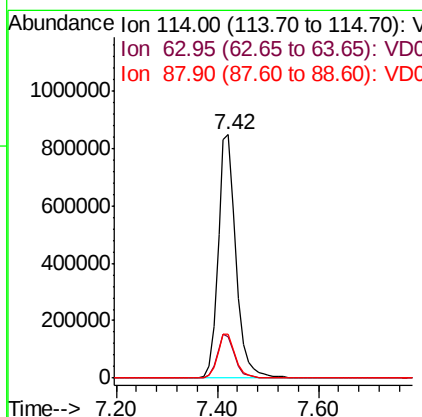
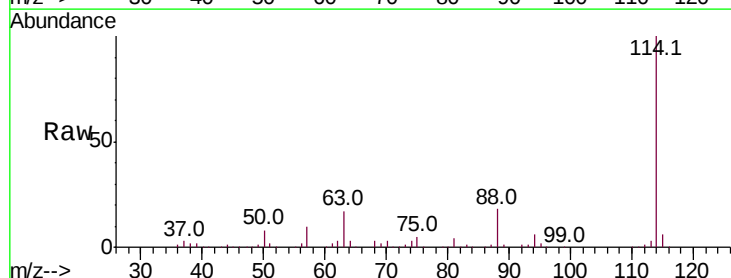
Instrument :
 MSVOA_D
 ClientSampleId :

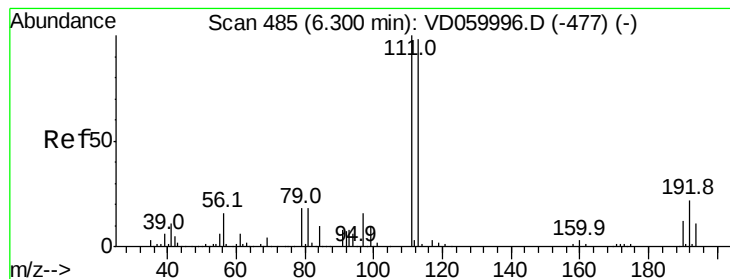
Tot Ion: 65 Resp: 599152
 Ion Ratio Lower Upper
 65 100
 67 52.4 0.0 104.8



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 7.42 min Scan# 599
 Delta R.T. 0.00 min
 Lab File: VD059996.D
 Acq: 13 Sep 2018 13:42

Tgt Ion: 114 Resp: 2102786
 Ion Ratio Lower Upper
 114 100
 63 17.2 0.0 34.4
 88 17.9 0.0 35.8





#35

Dibromofluoromethane

Concen: 50.000 ug/l

RT: 6.30 min Scan# 485

Delta R.T. 0.00 min

Lab File: VD059996.D

Acq: 13 Sep 2018 13:42

Instrument :

MSVOA_D

ClientSampleId :

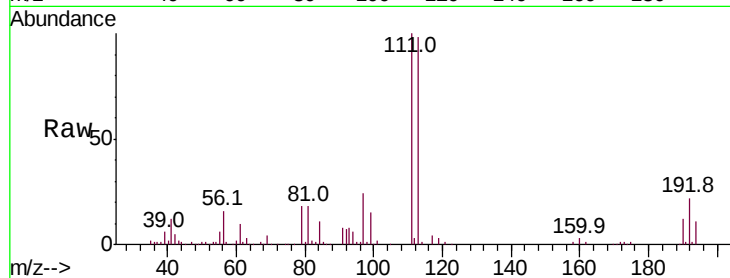
Tot Ion:113 Resp: 824016

Ion Ratio Lower Upper

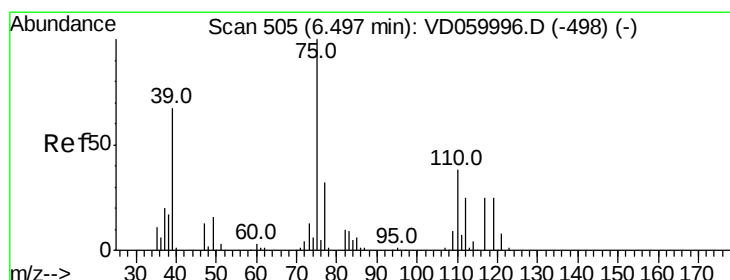
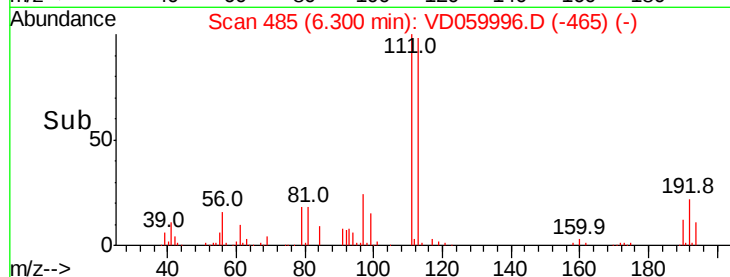
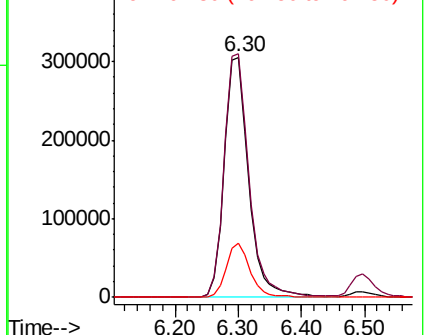
113 100

111 101.6 81.3 121.9

192 22.6 18.1 27.1



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: 56.175 ug/l

RT: 6.50 min Scan# 505

Delta R.T. 0.00 min

Lab File: VD059996.D

Acq: 13 Sep 2018 13:42

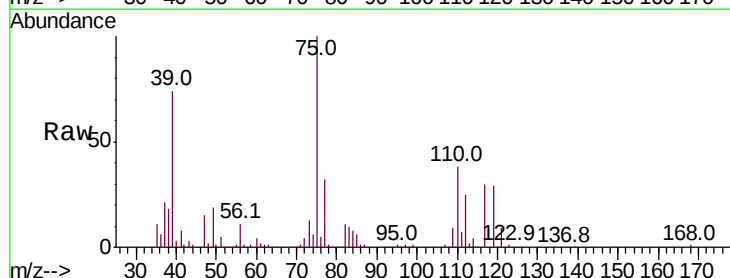
Tgt Ion: 75 Resp: 1095875

Ion Ratio Lower Upper

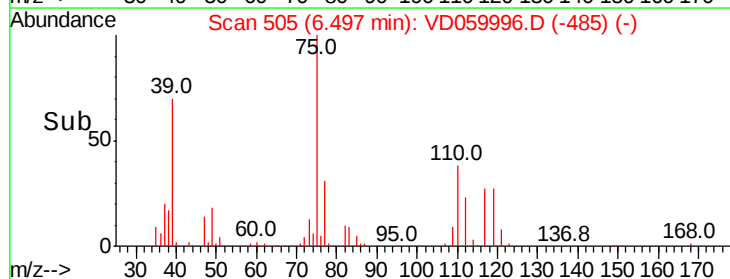
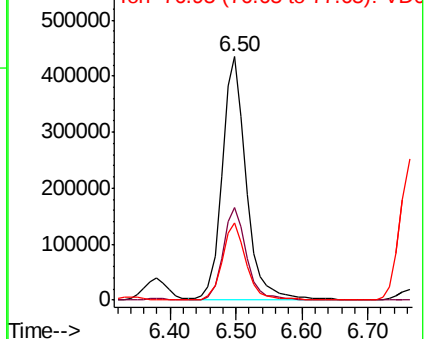
75 100

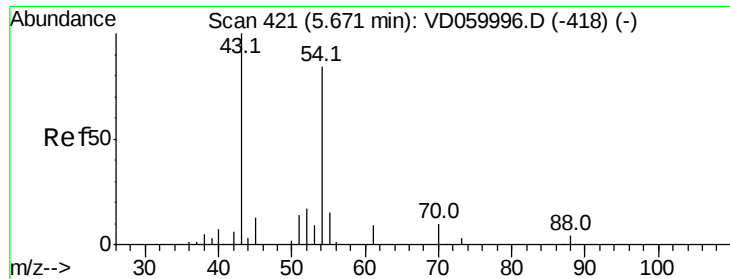
110 37.9 18.9 56.9

77 31.6 25.3 37.9



Abundance Ion 75.00 (74.70 to 75.70): VDC
Ion 109.90 (109.60 to 110.60): V
Ion 76.95 (76.65 to 77.65): VDC

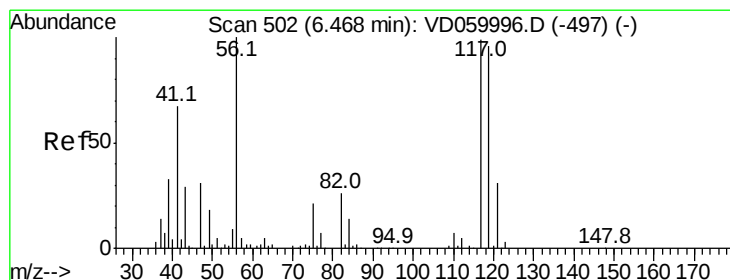
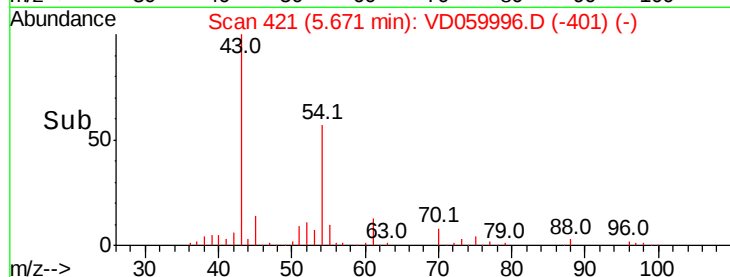
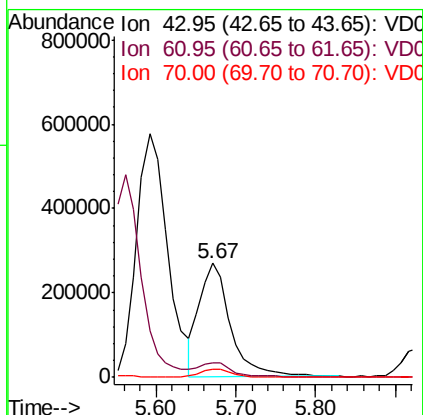
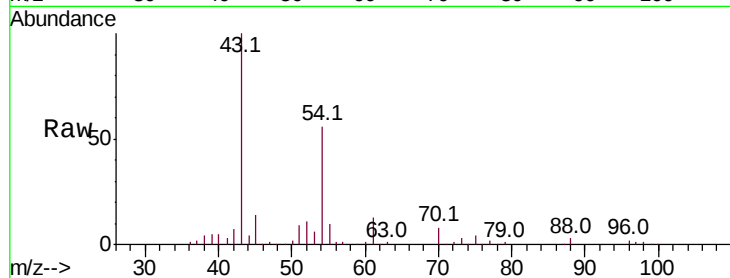




#37
Ethyl Acetate
Concen: 49.292 ug/l
RT: 5.67 min Scan# 421
Delta R.T. 0.00 min
Lab File: VD059996.D
Acq: 13 Sep 2018 13:42

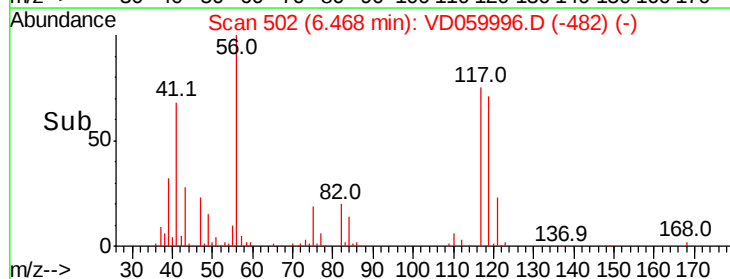
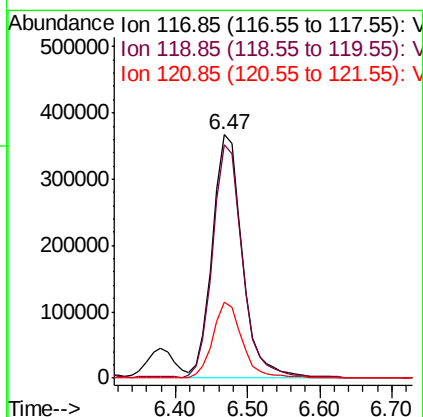
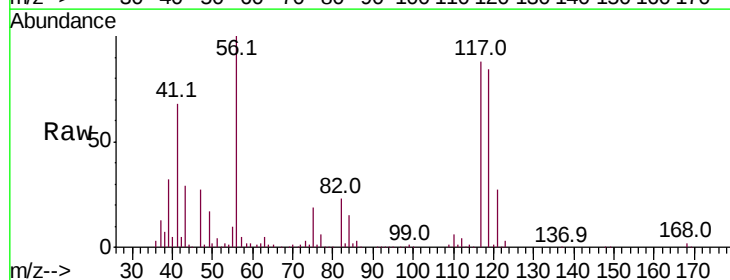
Instrument :
MSVOA_D
ClientSampled :

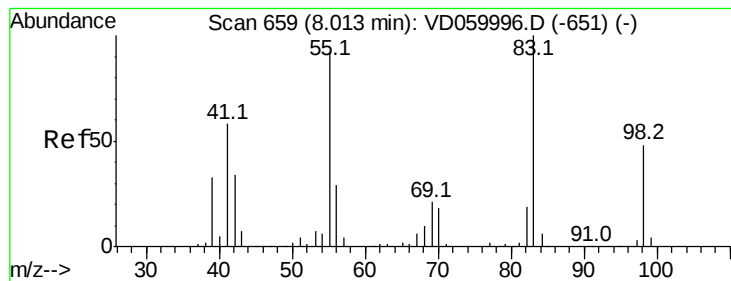
Tot Ion: 43 Resp: 727549
Ion Ratio Lower Upper
43 100
61 12.7 10.2 15.2
70 7.6 6.1 9.1



#38
Carbon Tetrachloride
Concen: 53.344 ug/l
RT: 6.47 min Scan# 502
Delta R.T. 0.00 min
Lab File: VD059996.D
Acq: 13 Sep 2018 13:42

Tgt Ion: 117 Resp: 1044036
Ion Ratio Lower Upper
117 100
119 95.9 76.7 115.1
121 31.1 24.9 37.3





#39

Methvlcvclohexane

Concen: 59.370 ug/l

RT: 8.01 min Scan# 659

Delta R.T. 0.00 min

Lab File: VD059996.D

Acq: 13 Sep 2018 13:42

Instrument :
MSVOA_D
ClientSampleId :

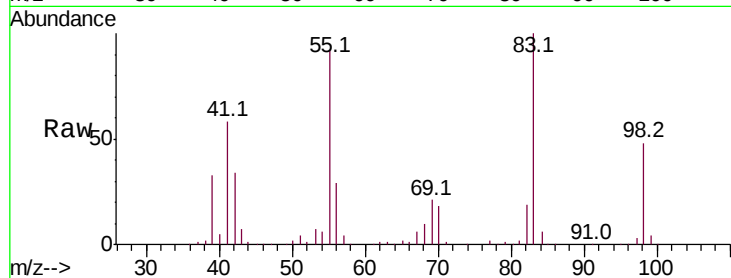
Tot Ion: 83 Resp: 1262839

Ion Ratio Lower Upper

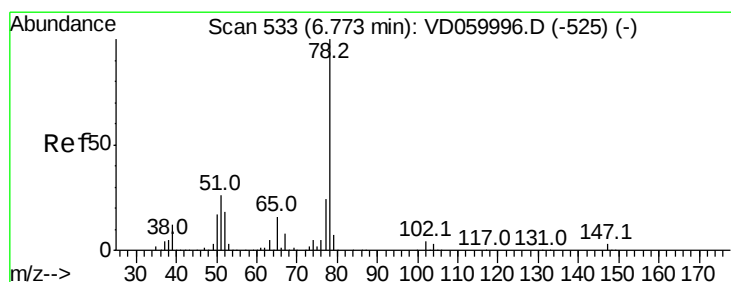
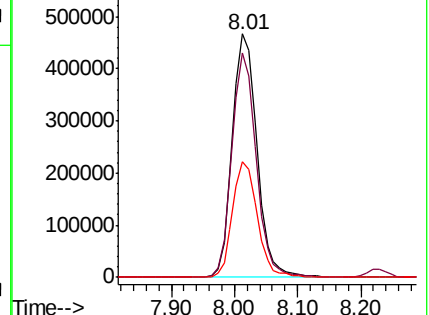
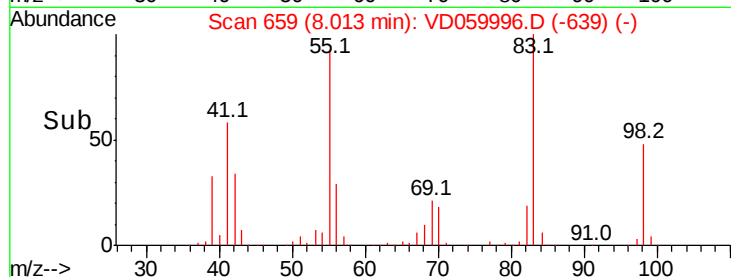
83 100

55 92.2 73.8 110.6

98 47.6 38.1 57.1



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



#40

Benzene

Concen: 56.714 ug/l

RT: 6.77 min Scan# 533

Delta R.T. 0.00 min

Lab File: VD059996.D

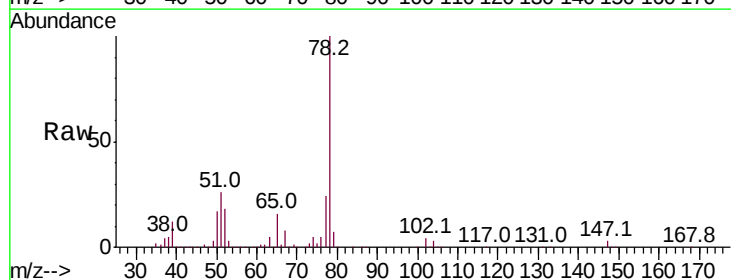
Acq: 13 Sep 2018 13:42

Tgt Ion: 78 Resp: 2882004

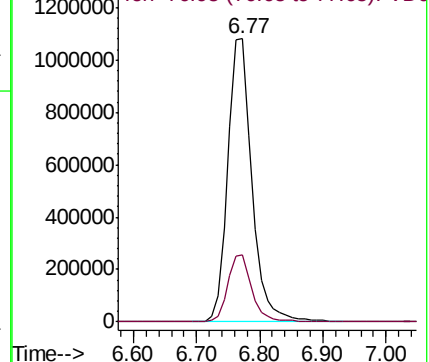
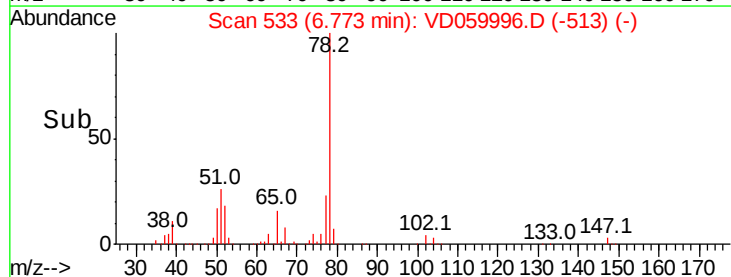
Ion Ratio Lower Upper

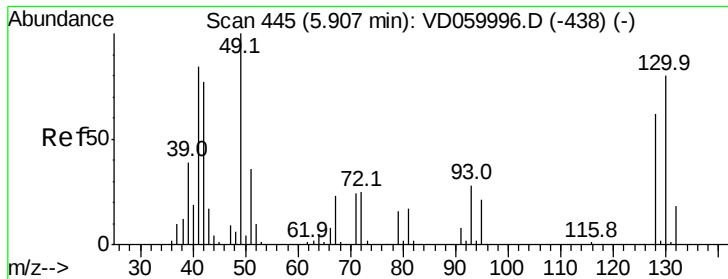
78 100

77 23.7 19.0 28.4



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





#41

Methacrylonitrile

Concen: 115.721 ug/l

RT: 5.92 min Scan# 446

Delta R.T. 0.01 min

Lab File: VD059996.D

Acq: 13 Sep 2018 13:42

Instrument :

MSVOA_D

ClientSampleId :

Tot Ion: 41 Resp: 867289

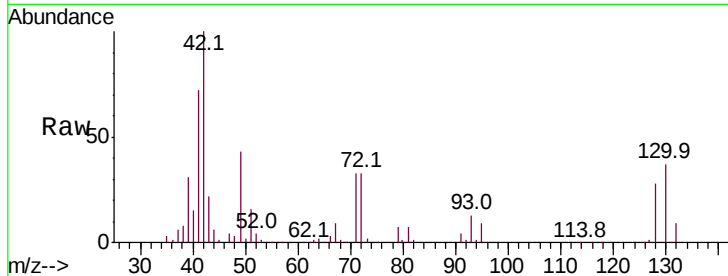
Ion Ratio Lower Upper

41 100

39 42.9 37.5 56.3

67 12.1 21.5 32.3#

52 5.3 9.2 13.8#

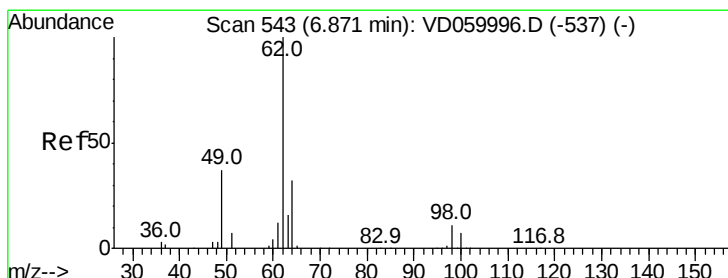
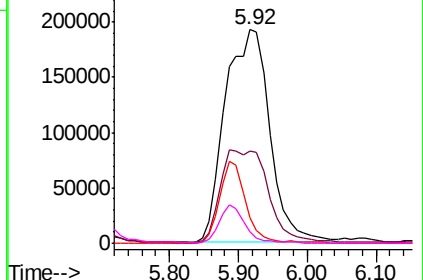
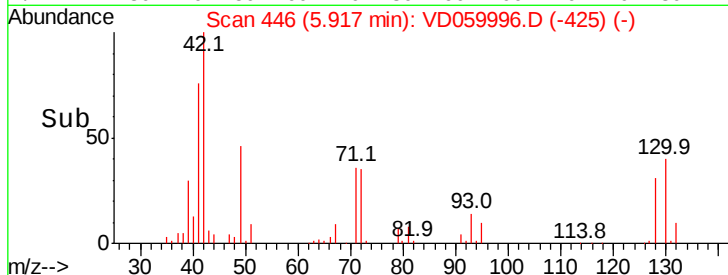


Abundance Ion 40.95 (40.65 to 41.65): VDC

Ion 38.95 (38.65 to 39.65): VDC

Ion 67.00 (66.70 to 67.70): VDC

Ion 52.00 (51.70 to 52.70): VDC



#42

1,2-Dichloroethane

Concen: 53.080 ug/l

RT: 6.87 min Scan# 543

Delta R.T. 0.00 min

Lab File: VD059996.D

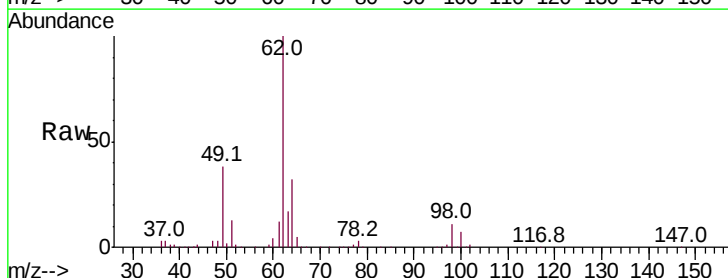
Acq: 13 Sep 2018 13:42

Tgt Ion: 62 Resp: 847395

Ion Ratio Lower Upper

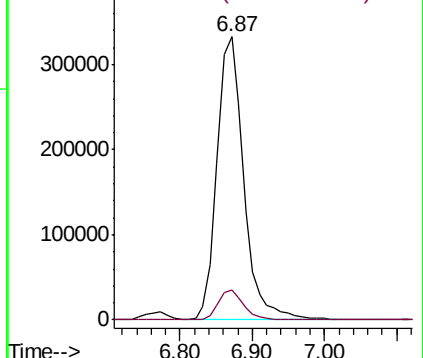
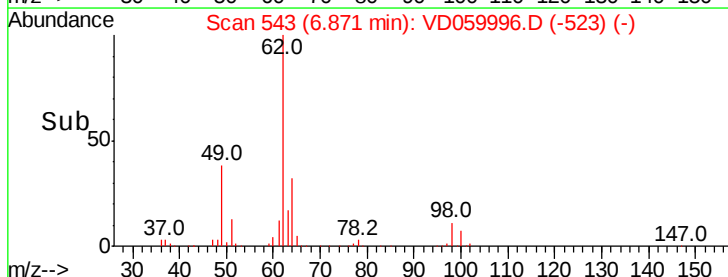
62 100

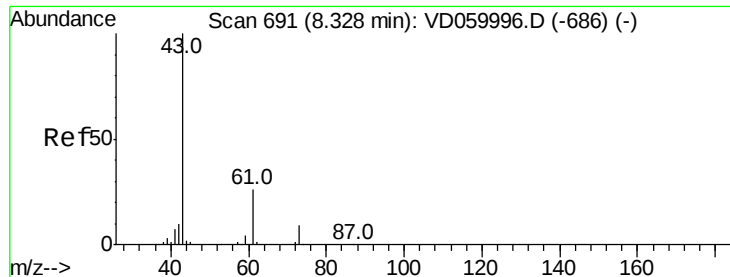
98 10.7 0.0 21.4



Abundance Ion 61.95 (61.65 to 62.65): VDC

Ion 97.85 (97.55 to 98.55): VDC





#43

Isopropyl Acetate

Concen: 54.125 ug/l

RT: 8.33 min Scan# 691

Delta R.T. 0.00 min

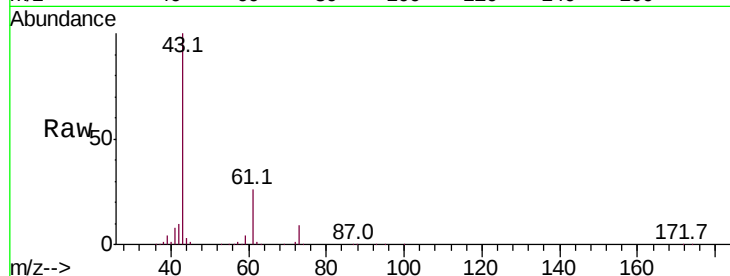
Lab File: VD059996.D

Acq: 13 Sep 2018 13:42

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 43 Resp: 1046290

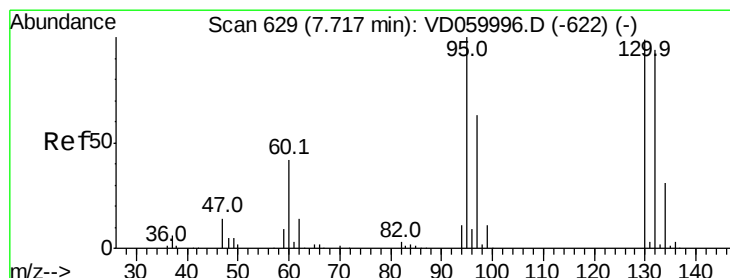
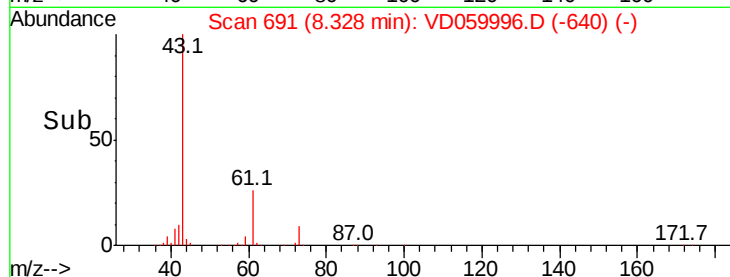
Ion	Ratio	Lower	Upper
43	100		
61	26.3	21.0	31.6
87	0.2	0.2	0.2



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: 58.771 ug/l

RT: 7.72 min Scan# 629

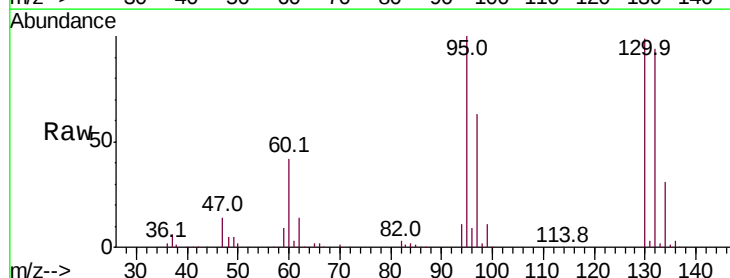
Delta R.T. 0.00 min

Lab File: VD059996.D

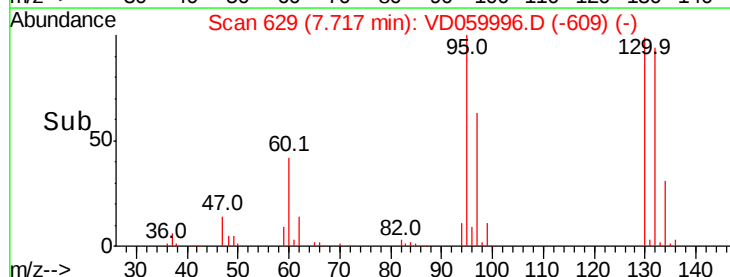
Acq: 13 Sep 2018 13:42

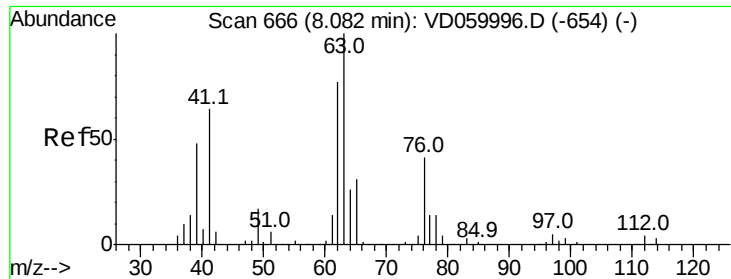
Tgt Ion:130 Resp: 885227

Ion	Ratio	Lower	Upper
130	100		
95	101.0	0.0	202.0



Abundance Ion 129.80 (129.50 to 130.50): VDC

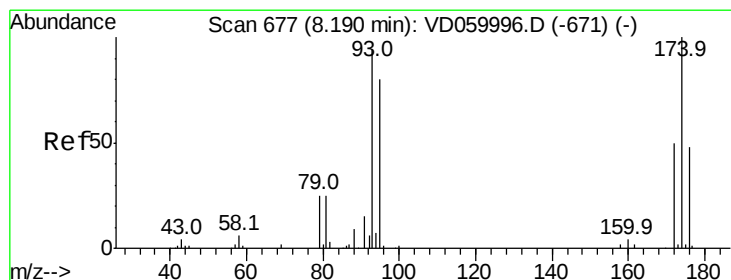
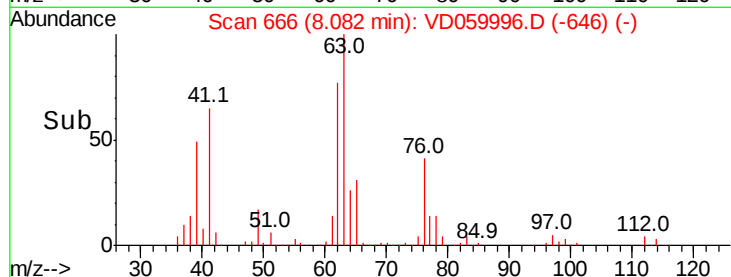
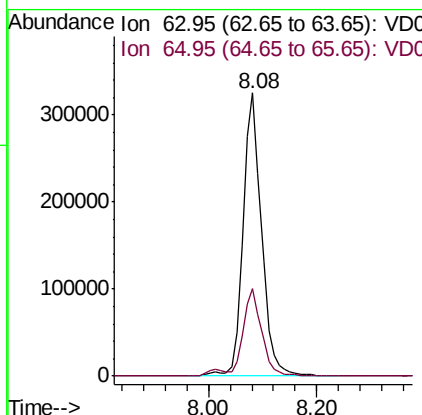
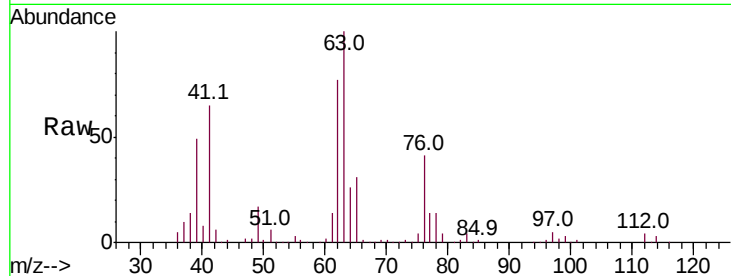




#45
 1,2-Dichloropropane
 Concen: 55.049 ug/l
 RT: 8.08 min Scan# 666
 Delta R.T. 0.00 min
 Lab File: VD059996.D
 Acq: 13 Sep 2018 13:42

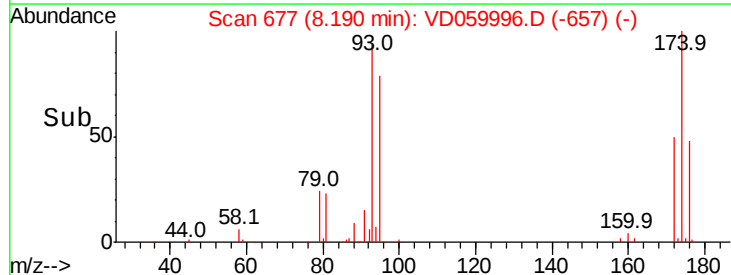
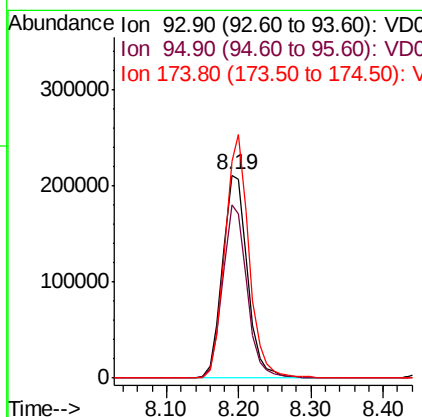
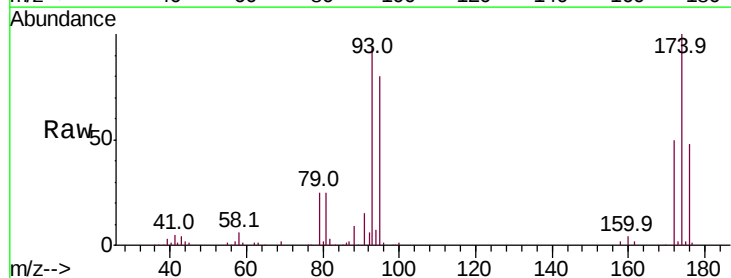
Instrument :
 MSVOA_D
 ClientSampleId :

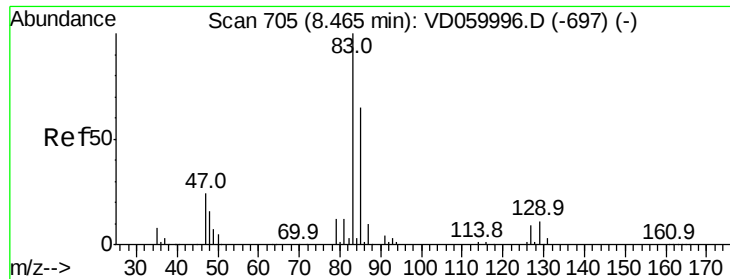
Tot Ion: 63 Resp: 772723
 Ion Ratio Lower Upper
 63 100
 65 30.8 24.6 37.0



#46
 Dibromomethane
 Concen: 55.935 ug/l
 RT: 8.19 min Scan# 677
 Delta R.T. 0.00 min
 Lab File: VD059996.D
 Acq: 13 Sep 2018 13:42

Tgt Ion: 93 Resp: 505380
 Ion Ratio Lower Upper
 93 100
 95 85.0 68.0 102.0
 174 106.8 85.4 128.2





#47

Bromodichloromethane

Concen: 52.525 ug/l

RT: 8.47 min Scan# 705

Delta R.T. 0.00 min

Lab File: VD059996.D

Acq: 13 Sep 2018 13:42

Instrument :

MSVOA_D

ClientSampleId :

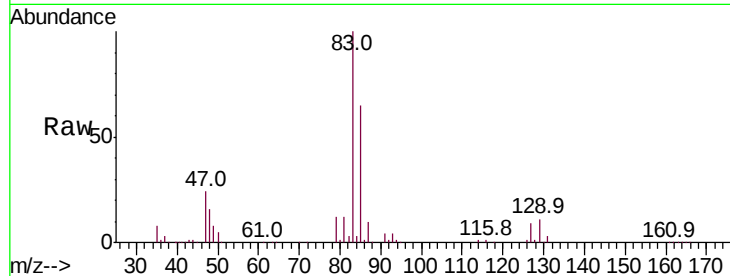
Tot Ion: 83 Resp: 1064870

Ion Ratio Lower Upper

83 100

85 64.9 51.9 77.9

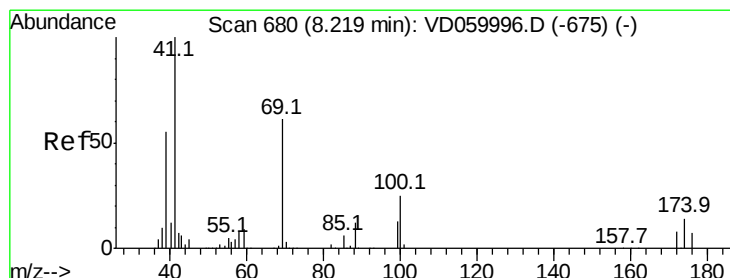
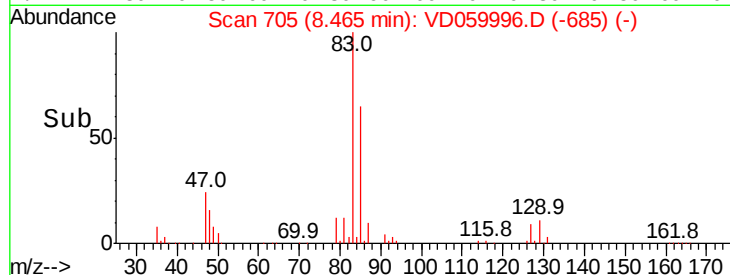
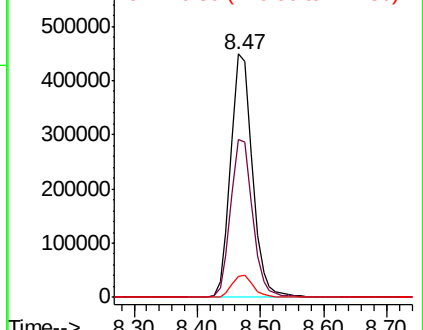
127 8.5 6.8 10.2



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: 51.795 ug/l

RT: 8.22 min Scan# 680

Delta R.T. 0.00 min

Lab File: VD059996.D

Acq: 13 Sep 2018 13:42

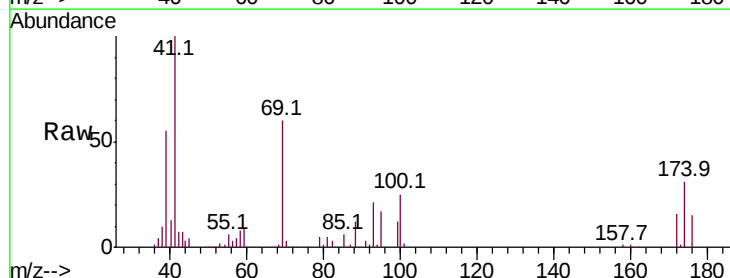
Tgt Ion: 41 Resp: 582725

Ion Ratio Lower Upper

41 100

69 60.4 48.3 72.5

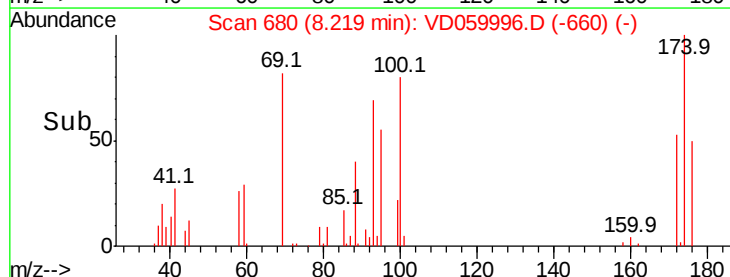
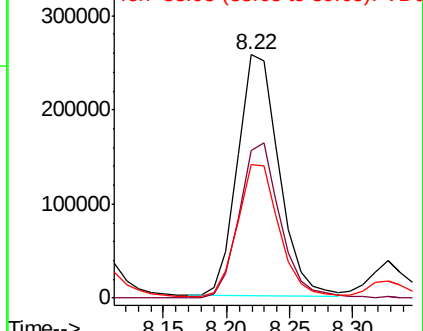
39 55.1 44.1 66.1

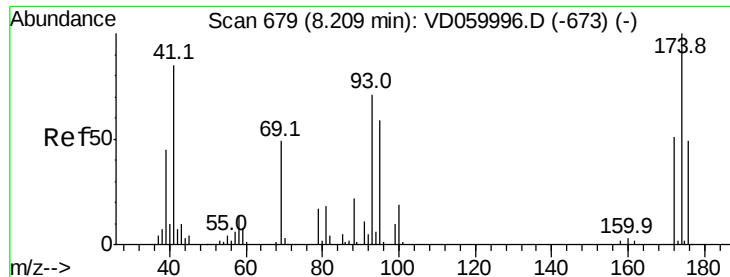


Abundance Ion 40.95 (40.65 to 41.65): VDC

Ion 69.00 (68.70 to 69.70): VDC

Ion 38.95 (38.65 to 39.65): VDC





#49

1,4-Dioxane

Concen: 1136.046 ug/l

RT: 8.21 min Scan# 679

Delta R.T. 0.00 min

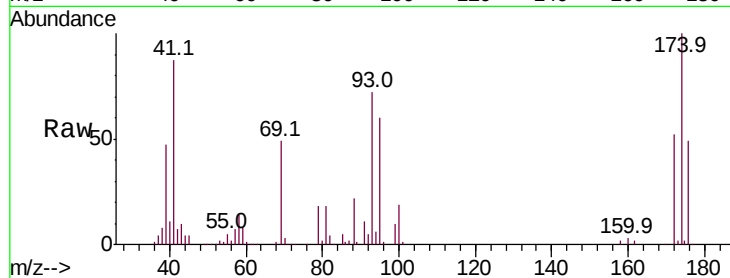
Lab File: VD059996.D

Acq: 13 Sep 2018 13:42

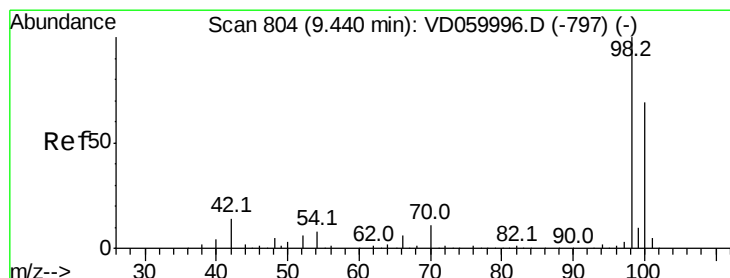
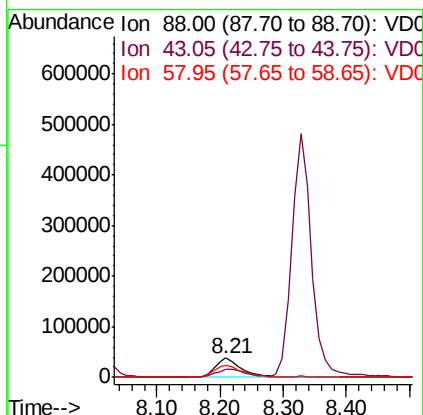
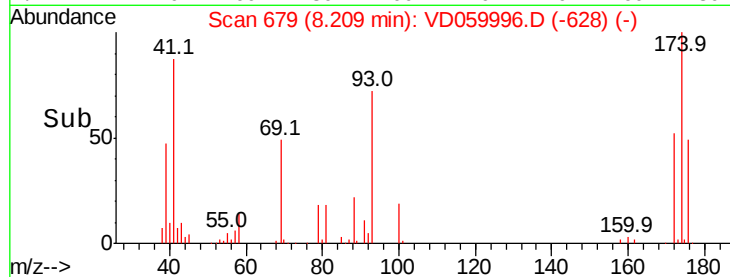
Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 88 Resp: 115804

Ion	Ratio	Lower	Upper
88	100		
43	45.2	36.2	54.2
58	63.8	51.0	76.6



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: 1136.046 ug/l

RT: 9.44 min Scan# 804

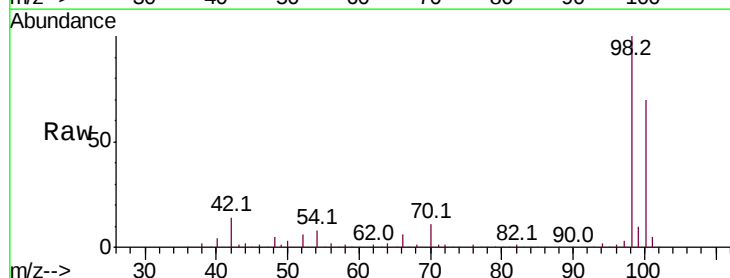
Delta R.T. 0.00 min

Lab File: VD059996.D

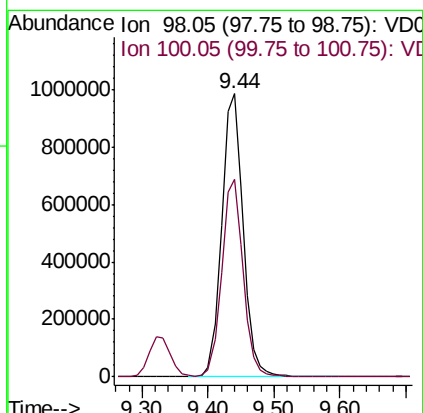
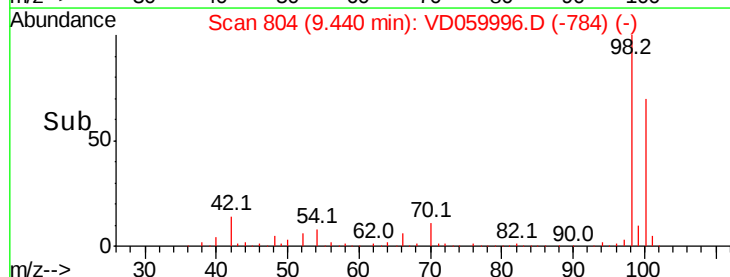
Acq: 13 Sep 2018 13:42

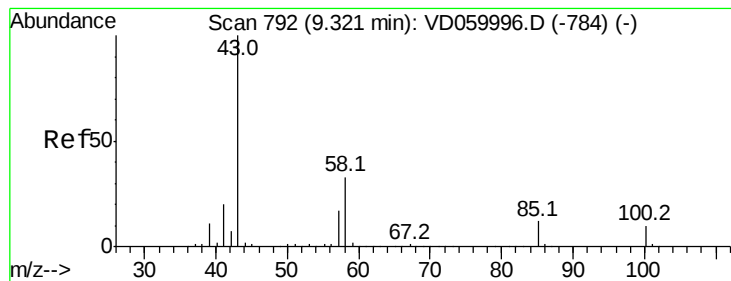
Tgt Ion: 98 Resp: 2236601

Ion	Ratio	Lower	Upper
98	100		
100	69.7	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: 226.195 ug/l

RT: 9.32 min Scan# 792

Delta R.T. 0.00 min

Lab File: VD059996.D

Acq: 13 Sep 2018 13:42

Instrument :

MSVOA_D

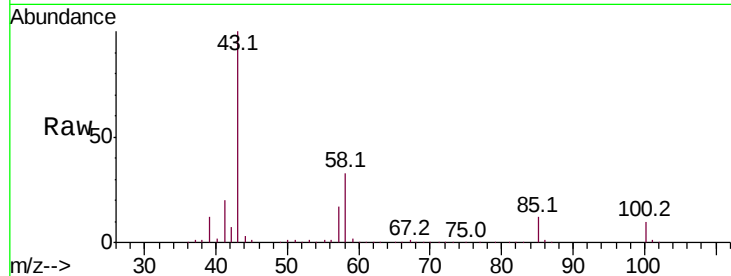
ClientSampled :

Tot Ion: 43 Resp: 3117414

Ion Ratio Lower Upper

43 100

58 33.0 26.4 39.6



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC

1500000

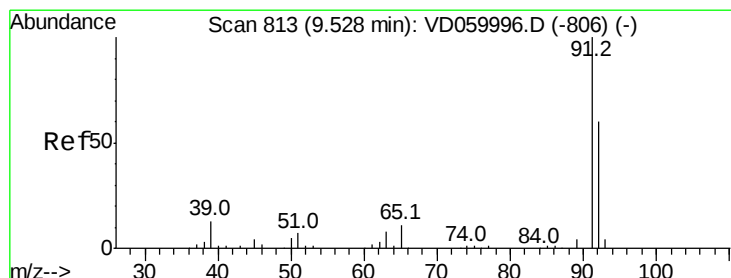
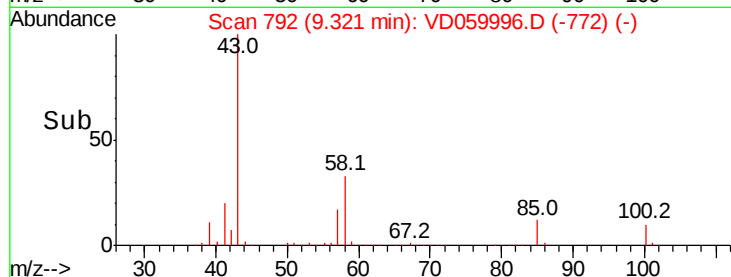
1000000

500000

0

9.20 9.30 9.40 9.50

Time-->



#52

Toluene

Concen: 56.289 ug/l

RT: 9.53 min Scan# 813

Delta R.T. 0.00 min

Lab File: VD059996.D

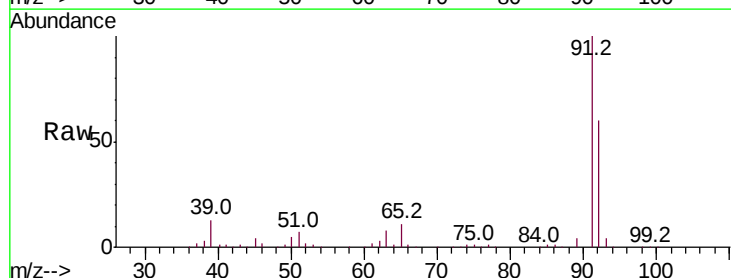
Acq: 13 Sep 2018 13:42

Tgt Ion: 92 Resp: 1830274

Ion Ratio Lower Upper

92 100

91 165.4 132.3 198.5



Abundance Ion 92.00 (91.70 to 92.70): VDC

Ion 91.00 (90.70 to 91.70): VDC

1500000

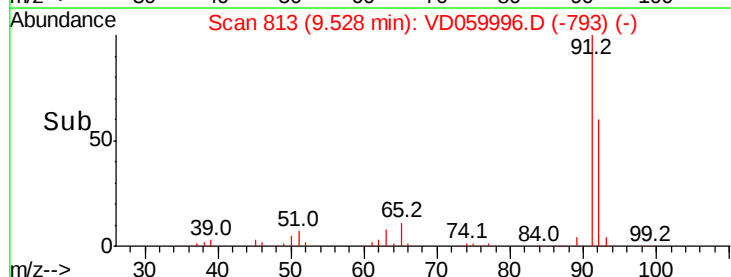
1000000

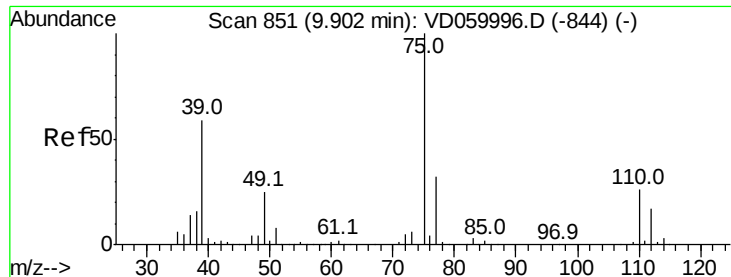
500000

0

9.40 9.50 9.60 9.70

Time-->

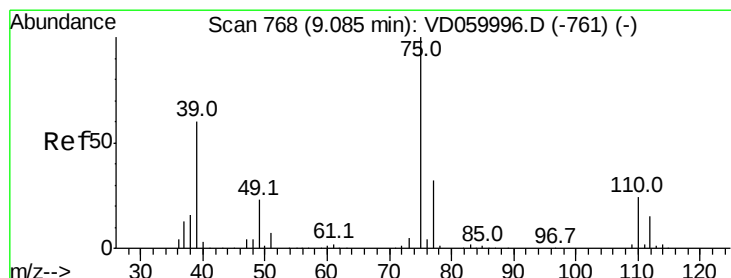
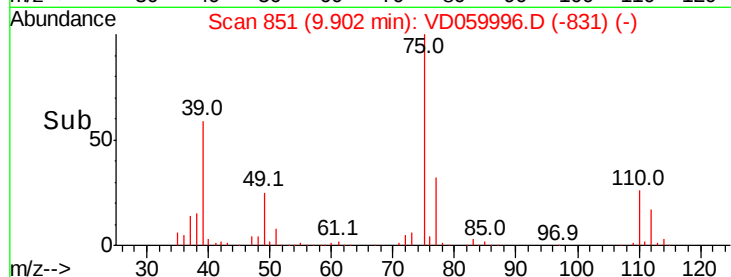
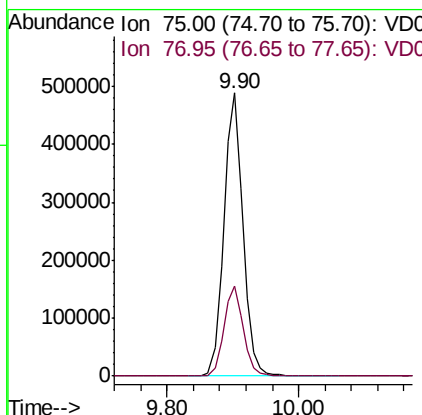
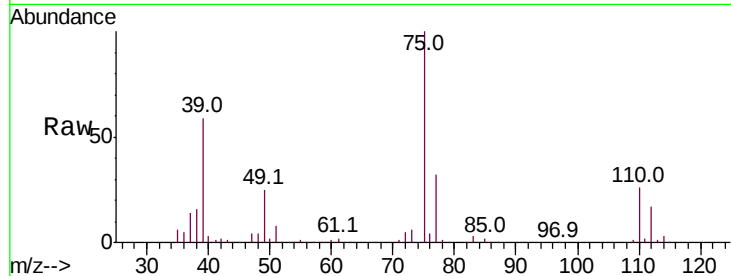




#53
 t-1,3-Dichloropropene
 Concen: 52.644 ug/l
 RT: 9.90 min Scan# 851
 Delta R.T. 0.00 min
 Lab File: VD059996.D
 Acq: 13 Sep 2018 13:42

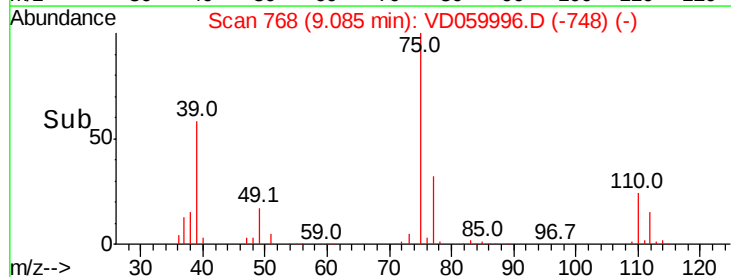
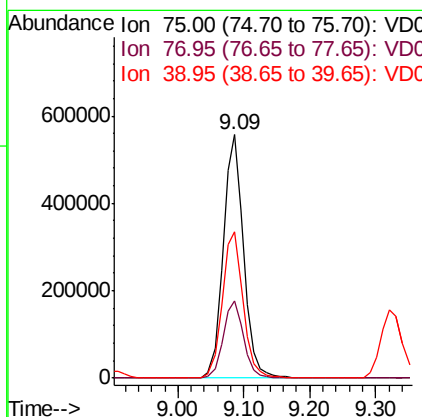
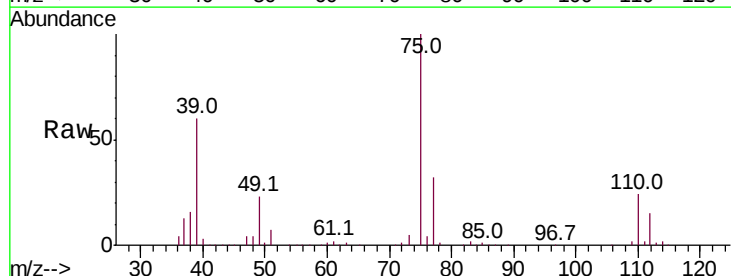
Instrument :
 MSVOA_D
 ClientSampled :

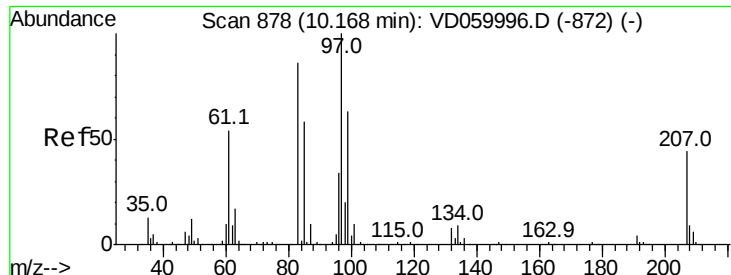
Tot Ion: 75 Resp: 984514
 Ion Ratio Lower Upper
 75 100
 77 32.0 25.6 38.4



#54
 cis-1,3-Dichloropropene
 Concen: 54.615 ug/l
 RT: 9.09 min Scan# 768
 Delta R.T. 0.00 min
 Lab File: VD059996.D
 Acq: 13 Sep 2018 13:42

Tgt Ion: 75 Resp: 1199104
 Ion Ratio Lower Upper
 75 100
 77 31.9 25.5 38.3
 39 60.0 48.0 72.0

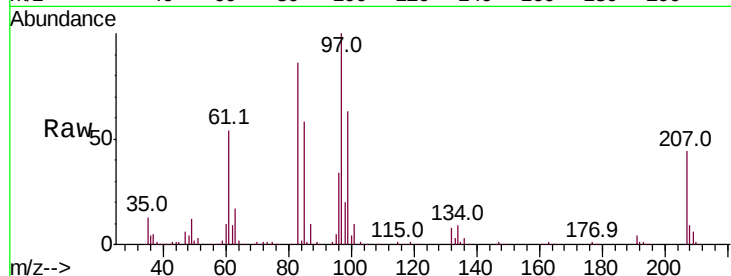




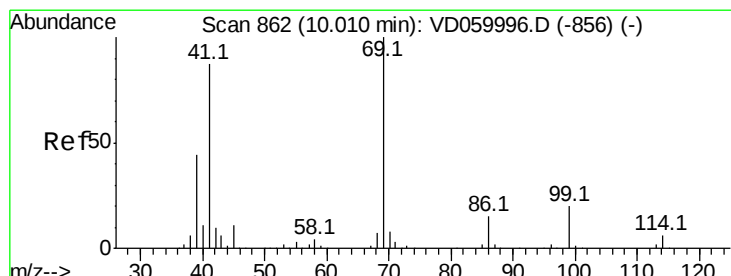
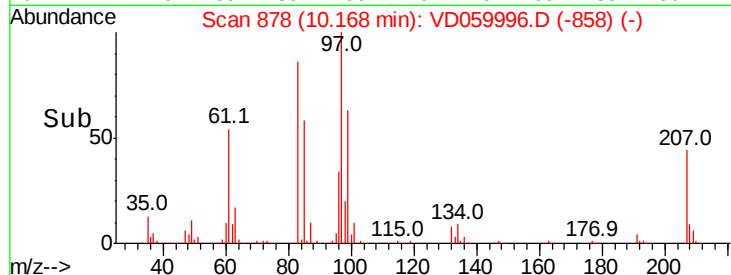
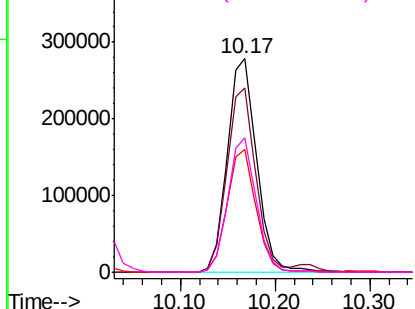
#55
 1,1,2-Trichloroethane
 Concen: 51.091 ug/l
 RT: 10.17 min Scan# 878
 Delta R.T. 0.00 min
 Lab File: VD059996.D
 Acq: 13 Sep 2018 13:42

Instrument :
 MSVOA_D
 ClientSampleId :

Tot Ion:	97	Resp:	598841
Ion	Ratio	Lower	Upper
97	100		
83	86.4	69.1	103.7
85	57.8	46.2	69.4
99	63.2	50.6	75.8

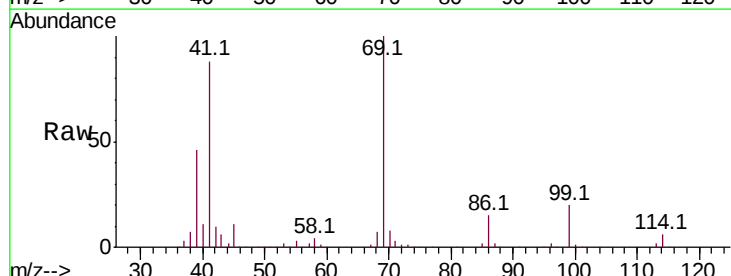


Abundance Ion 96.85 (96.55 to 97.55): VDC
 Ion 82.95 (82.65 to 83.65): VDC
 Ion 84.95 (84.65 to 85.65): VDC
 Ion 98.85 (98.55 to 99.55): VDC

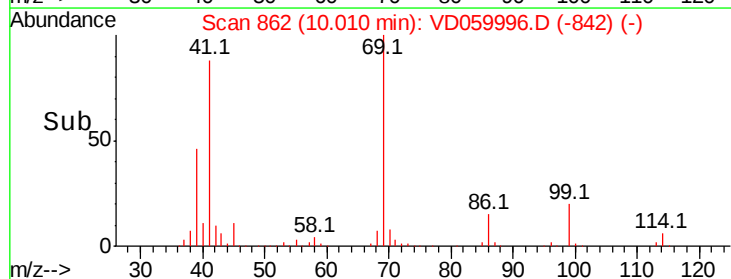
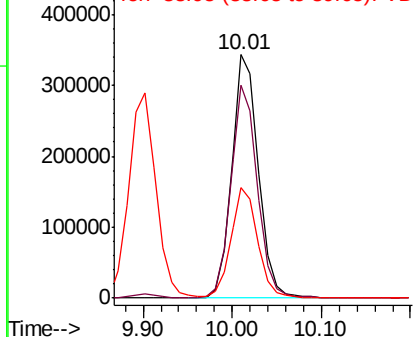


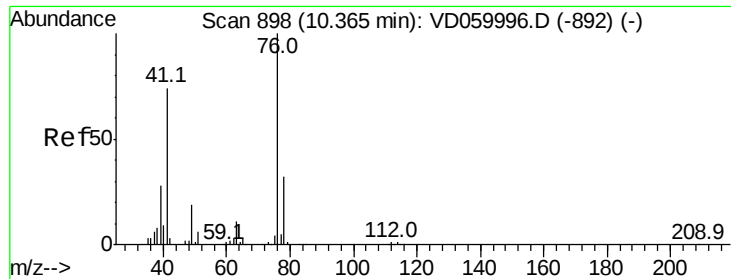
#56
 Ethyl methacrylate
 Concen: 53.226 ug/l
 RT: 10.01 min Scan# 862
 Delta R.T. 0.00 min
 Lab File: VD059996.D
 Acq: 13 Sep 2018 13:42

Tgt Ion:	69	Resp:	714590
Ion	Ratio	Lower	Upper
69	100		
41	87.6	70.1	105.1
39	45.6	36.5	54.7



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





#57

1,3-Dichloropropane

Concen: 55.134 ug/l

RT: 10.36 min Scan# 898

Delta R.T. 0.00 min

Lab File: VD059996.D

Acq: 13 Sep 2018 13:42

Instrument :

MSVOA_D

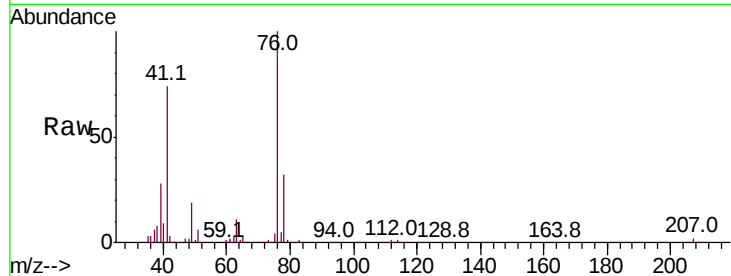
ClientSampled :

Tot Ion: 76 Resp: 936579

Ion Ratio Lower Upper

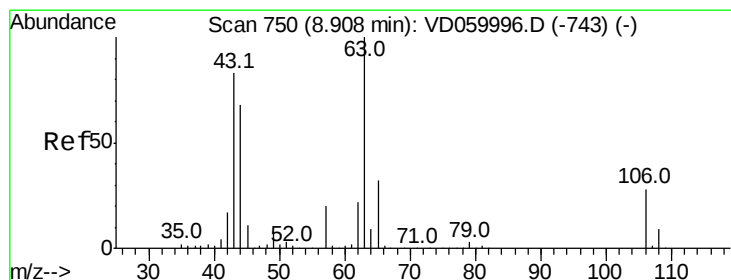
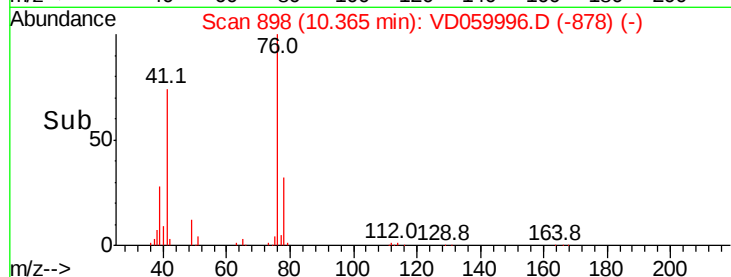
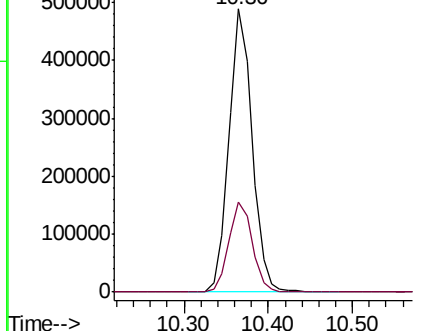
76 100

78 31.6 25.3 37.9



Abundance Ion 75.95 (75.65 to 76.65): VDC

Ion 77.95 (77.65 to 78.65): VDC



#58

2-Chloroethyl Vinyl ether

Concen: 247.292 ug/l

RT: 8.91 min Scan# 750

Delta R.T. 0.00 min

Lab File: VD059996.D

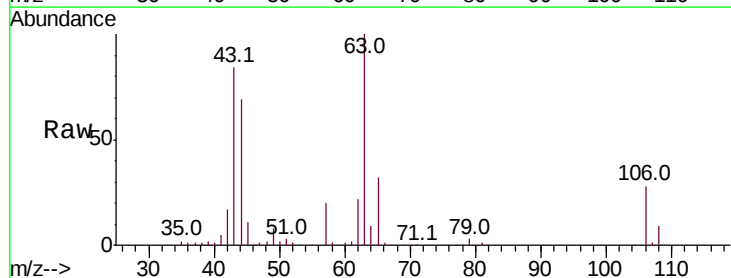
Acq: 13 Sep 2018 13:42

Tgt Ion: 63 Resp: 1590438

Ion Ratio Lower Upper

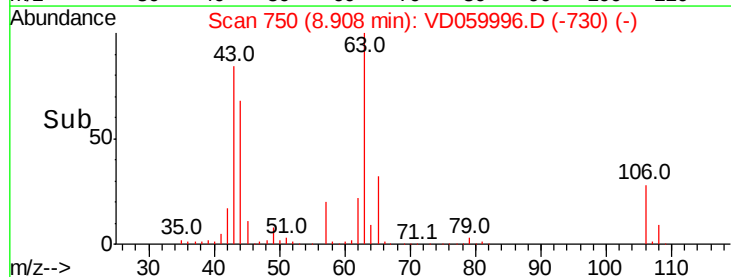
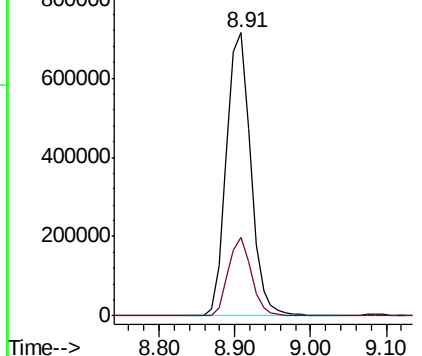
63 100

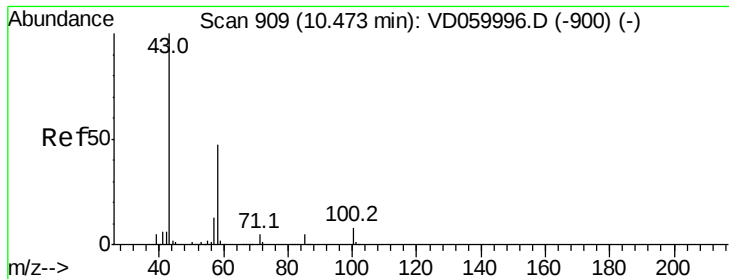
106 27.5 22.0 33.0



Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 105.95 (105.65 to 106.65): V





#59

2-Hexanone

Concen: 225.501 ug/l

RT: 10.47 min Scan# 909

Delta R.T. 0.00 min

Lab File: VD059996.D

Acq: 13 Sep 2018 13:42

Instrument :

MSVOA_D

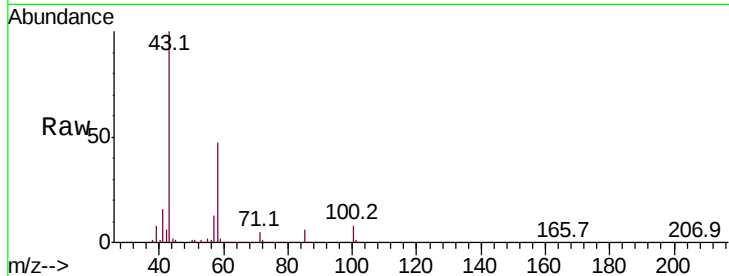
ClientSampled :

Tot Ion: 43 Resp: 2291927

Ion Ratio Lower Upper

43 100

58 46.7 23.4 70.0



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC

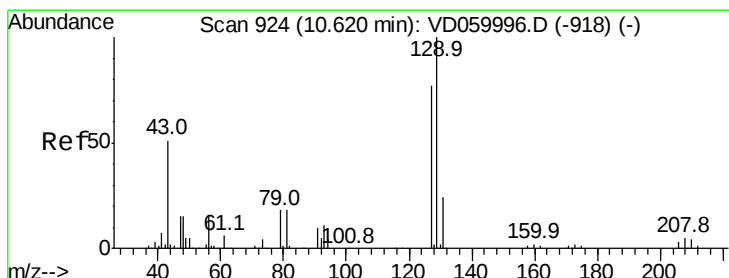
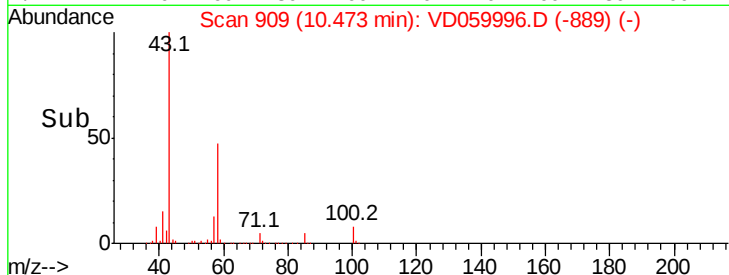
10.47

1000000

500000

0

Time--> 10.30 10.40 10.50 10.60



#60

Dibromochloromethane

Concen: 54.077 ug/l

RT: 10.62 min Scan# 924

Delta R.T. 0.00 min

Lab File: VD059996.D

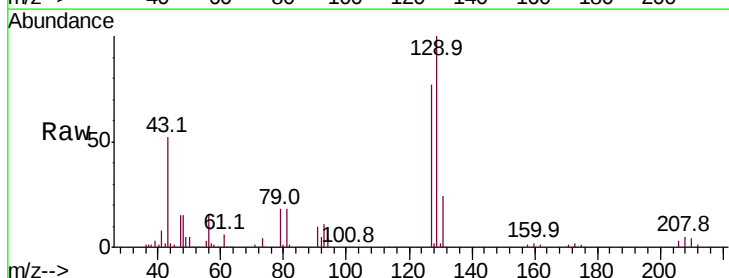
Acq: 13 Sep 2018 13:42

Tgt Ion:129 Resp: 795316

Ion Ratio Lower Upper

129 100

127 77.3 38.6 116.0



Abundance Ion 128.80 (128.50 to 129.50): V

Ion 126.80 (126.50 to 127.50): V

10.62

500000

400000

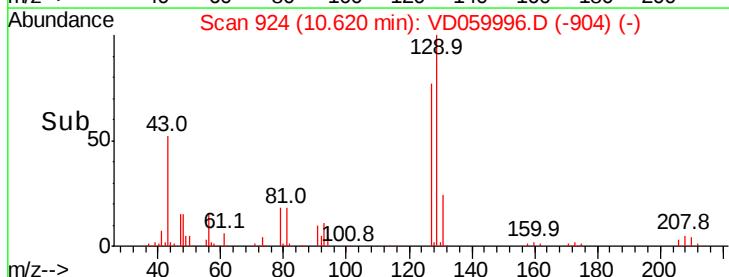
300000

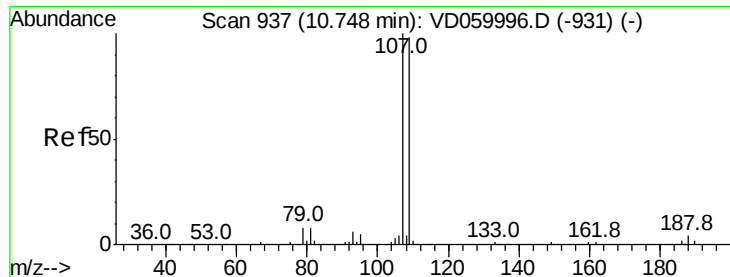
200000

100000

0

Time--> 10.50 10.60 10.70

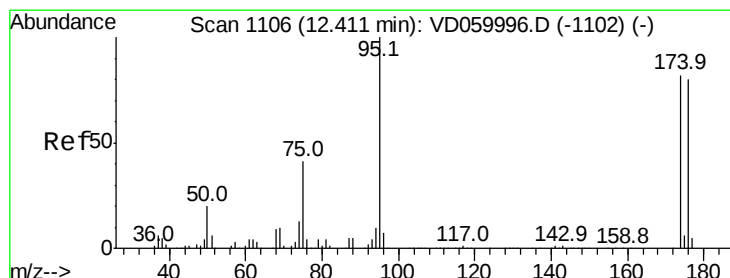
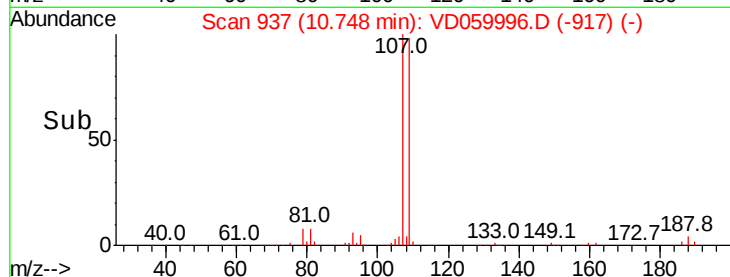
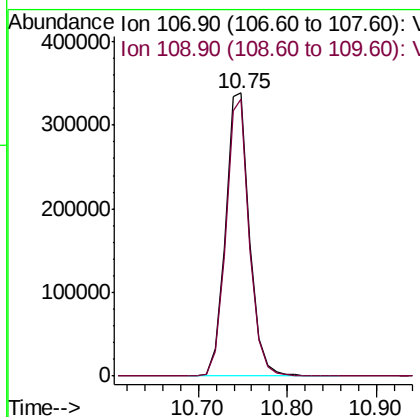
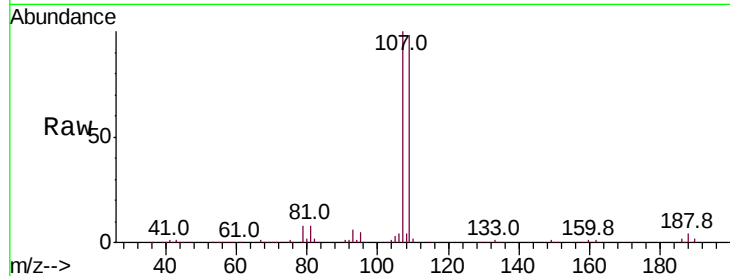




#61
 1,2-Dibromoethane
 Concen: 54.375 ug/l
 RT: 10.75 min Scan# 937
 Delta R.T. 0.00 min
 Lab File: VD059996.D
 Acq: 13 Sep 2018 13:42

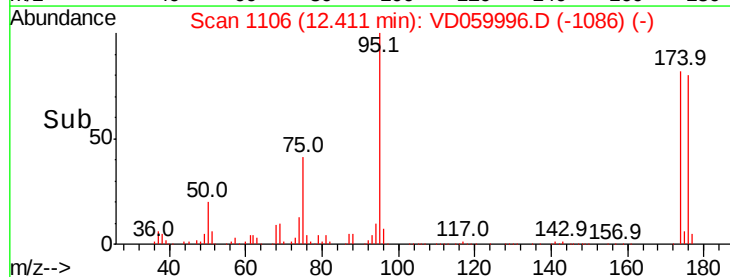
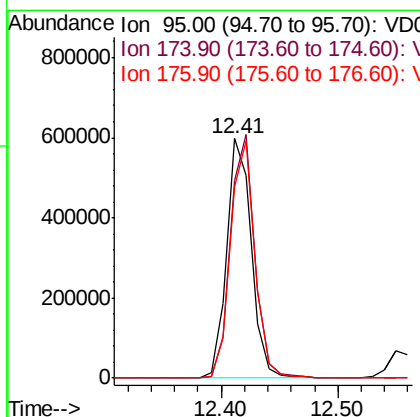
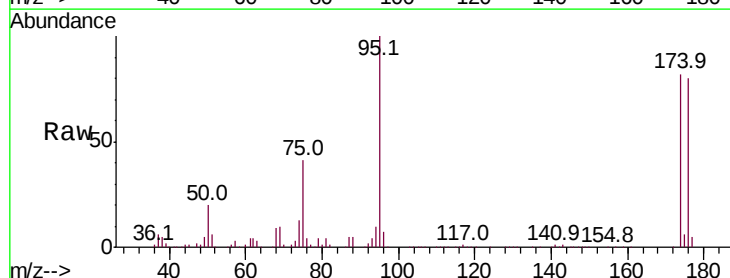
Instrument :
 MSVOA_D
 ClientSampleId :

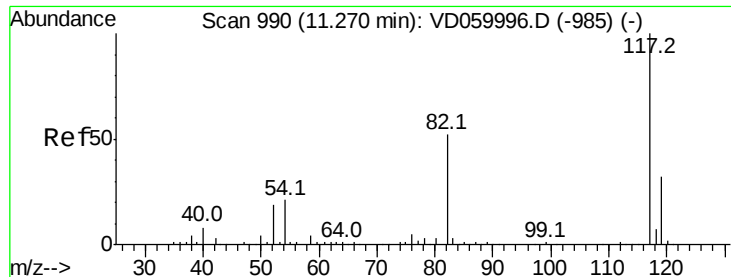
Tot Ion:107 Resp: 643921
 Ion Ratio Lower Upper
 107 100
 109 97.7 78.2 117.2



#62
 4-Bromofluorobenzene
 Concen: 54.375 ug/l
 RT: 12.41 min Scan# 1106
 Delta R.T. 0.00 min
 Lab File: VD059996.D
 Acq: 13 Sep 2018 13:42

Tgt Ion: 95 Resp: 877558
 Ion Ratio Lower Upper
 95 100
 174 82.5 0.0 165.0
 176 80.1 0.0 160.2

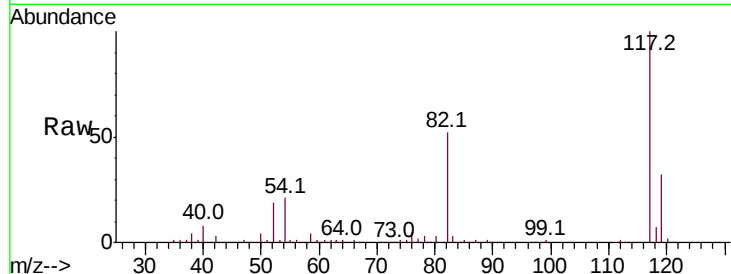




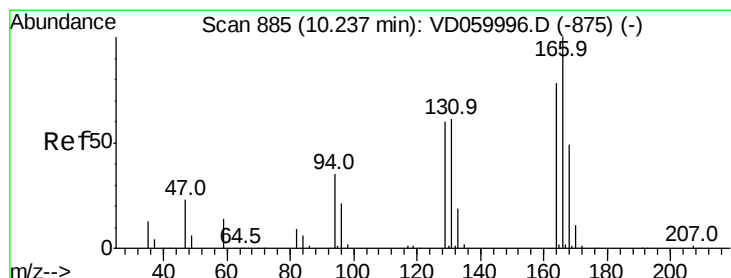
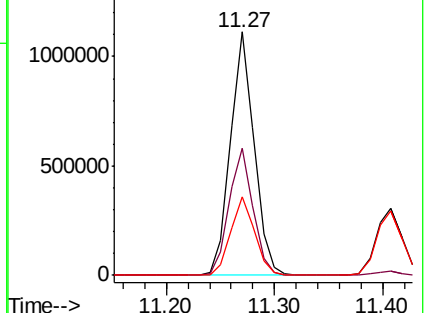
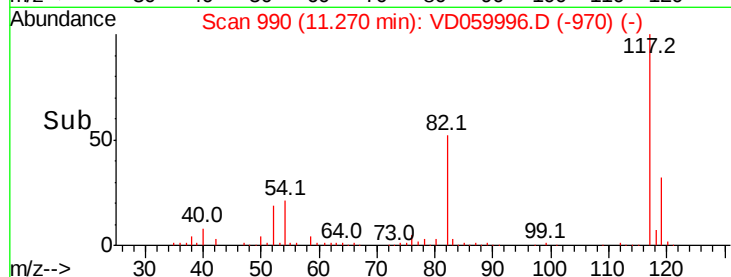
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.27 min Scan# 990
Delta R.T. 0.00 min
Lab File: VD059996.D
Acq: 13 Sep 2018 13:42

Instrument :
MSVOA_D
ClientSampled :

Tot Ion:117 Resp: 1707002
Ion Ratio Lower Upper
117 100
82 52.1 41.7 62.5
119 32.5 26.0 39.0

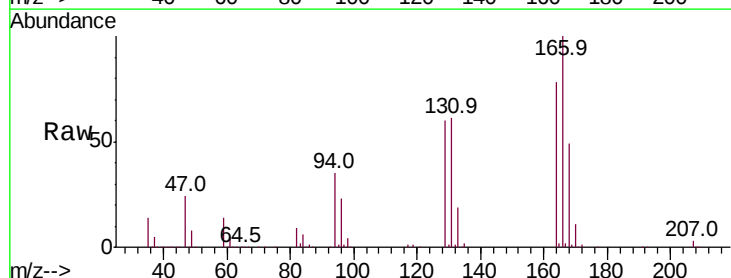


Abundance Ion 116.95 (116.65 to 117.65): V
1500000 Ion 82.05 (81.75 to 82.75): V
Ion 118.95 (118.65 to 119.65): V

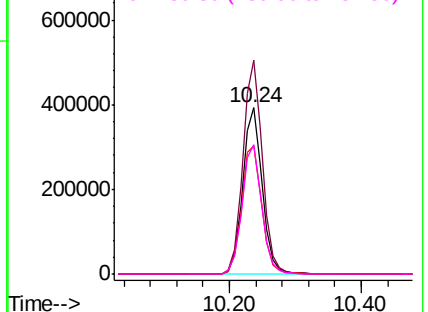
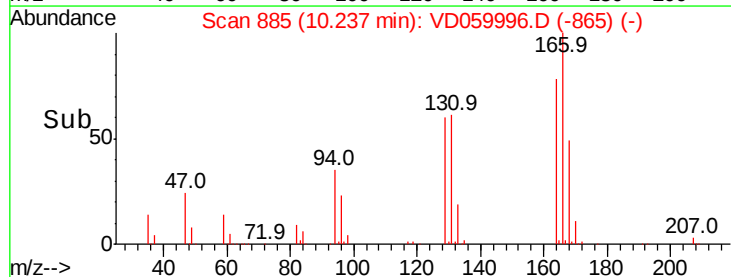


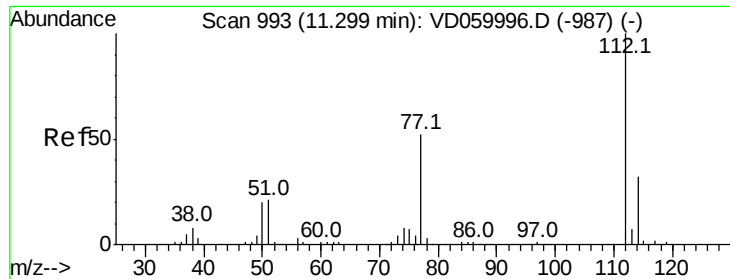
#64
Tetrachloroethene
Concen: 59.252 ug/l
RT: 10.24 min Scan# 885
Delta R.T. 0.00 min
Lab File: VD059996.D
Acq: 13 Sep 2018 13:42

Tgt Ion:164 Resp: 811503
Ion Ratio Lower Upper
164 100
166 128.8 103.0 154.6
129 77.4 61.9 92.9
131 78.2 62.6 93.8



Abundance Ion 163.85 (163.55 to 164.55): V
800000 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

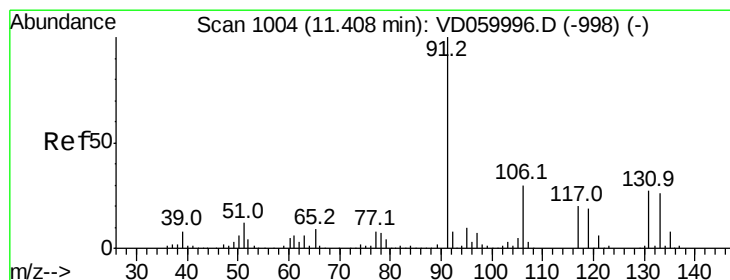
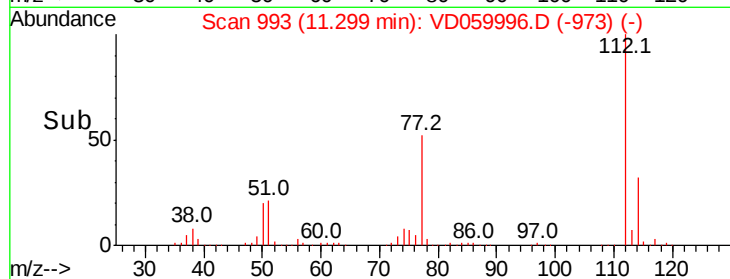
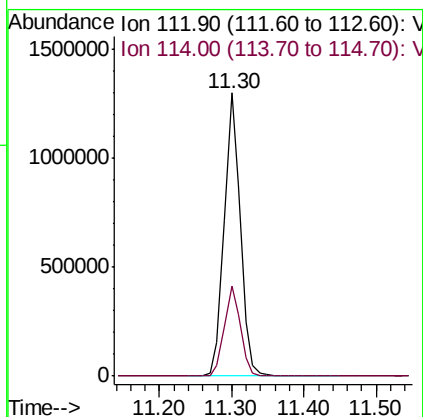
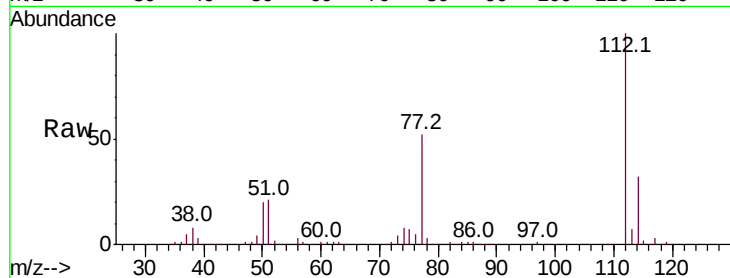




#65
Chlorobenzene
Concen: 57.576 ug/l
RT: 11.30 min Scan# 993
Delta R.T. 0.00 min
Lab File: VD059996.D
Acq: 13 Sep 2018 13:42

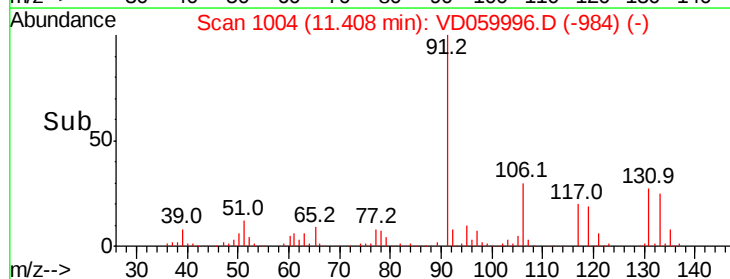
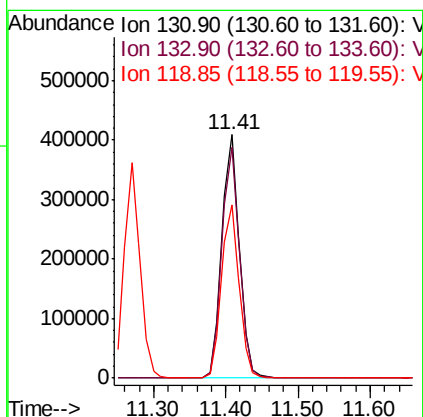
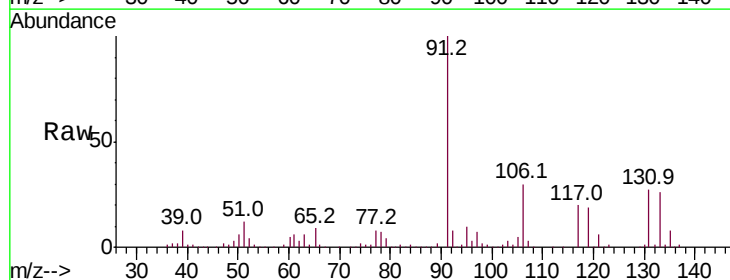
Instrument :
MSVOA_D
ClientSampled :

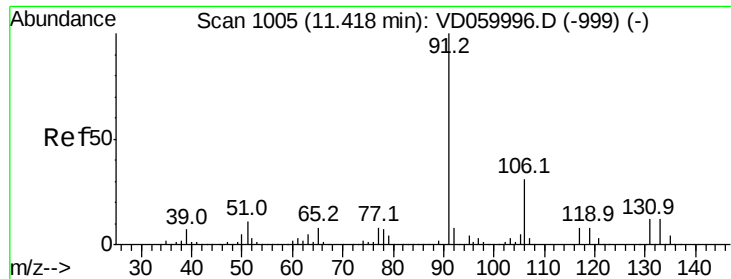
Tot Ion:112 Resp: 2004597
Ion Ratio Lower Upper
112 100
114 31.6 25.3 37.9



#66
1,1,1,2-Tetrachloroethane
Concen: 54.474 ug/l
RT: 11.41 min Scan# 1004
Delta R.T. 0.00 min
Lab File: VD059996.D
Acq: 13 Sep 2018 13:42

Tgt Ion:131 Resp: 683503
Ion Ratio Lower Upper
131 100
133 94.9 47.4 142.3
119 71.3 35.6 106.9

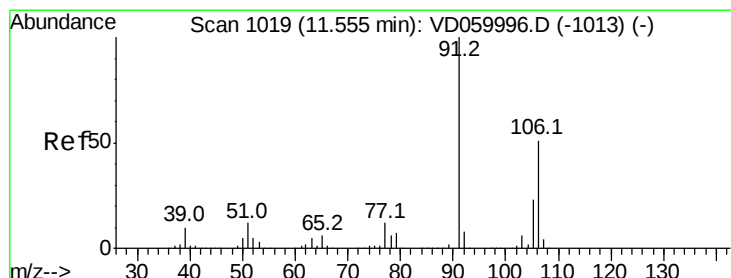
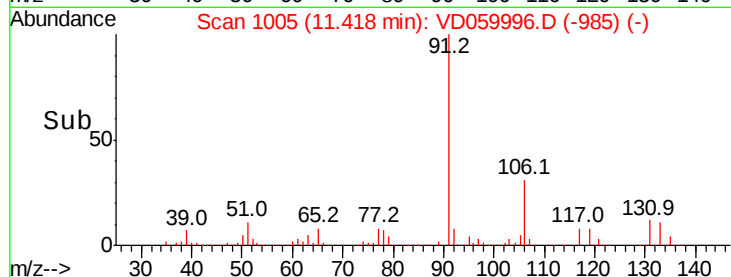
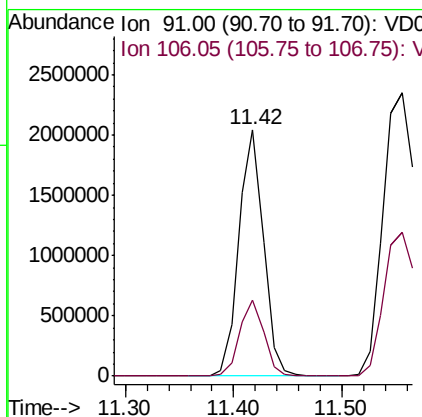
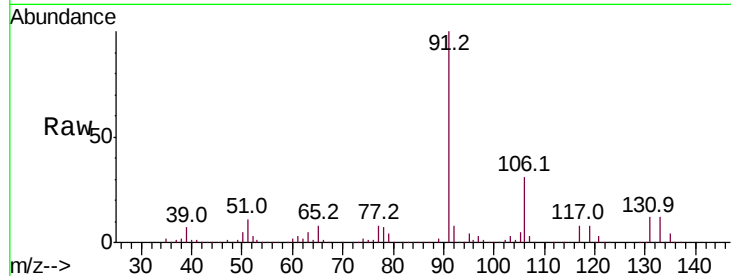




#67
Ethyl Benzene
Concen: 55.419 ug/l
RT: 11.42 min Scan# 1005
Delta R.T. 0.00 min
Lab File: VD059996.D
Acq: 13 Sep 2018 13:42

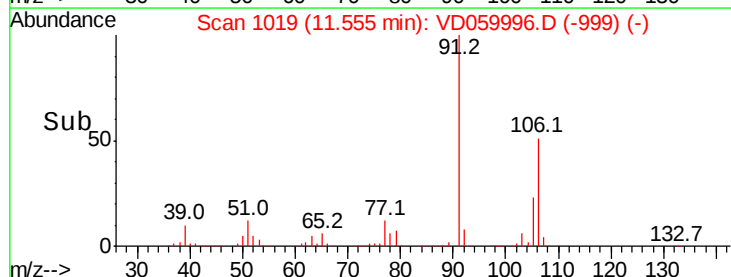
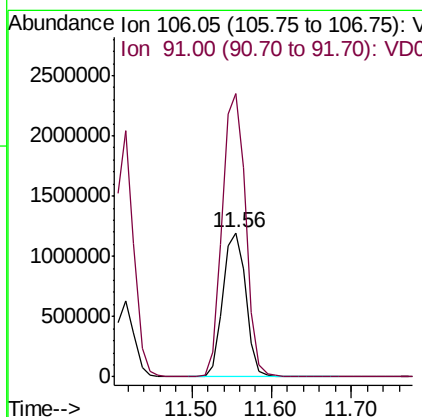
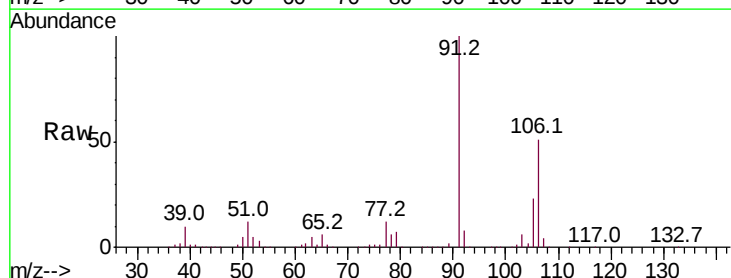
Instrument :
MSVOA_D
ClientSampled :

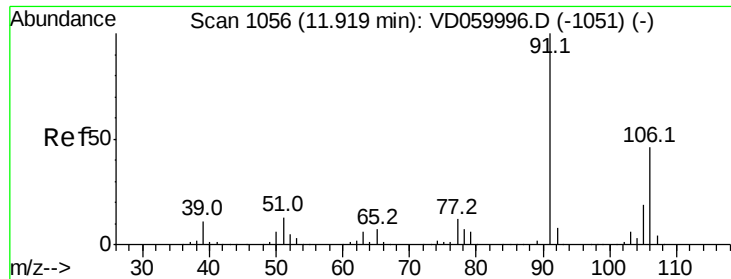
Tot Ion: 91 Resp: 3223359
Ion Ratio Lower Upper
91 100
106 31.0 24.8 37.2



#68
m/p-Xylenes
Concen: 114.175 ug/l
RT: 11.56 min Scan# 1019
Delta R.T. 0.00 min
Lab File: VD059996.D
Acq: 13 Sep 2018 13:42

Tgt Ion: 106 Resp: 2441452
Ion Ratio Lower Upper
106 100
91 196.3 157.0 235.6

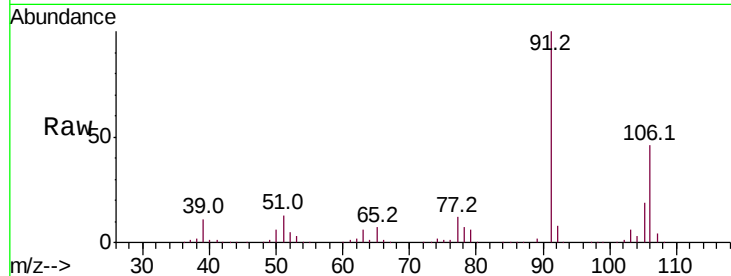




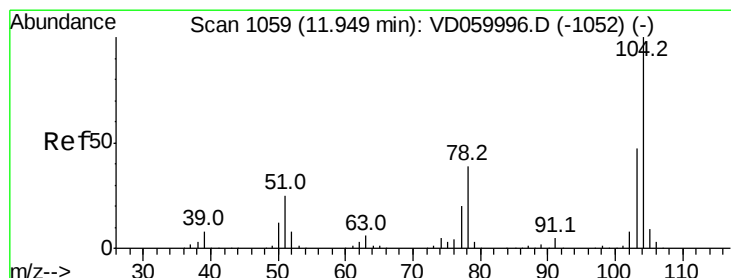
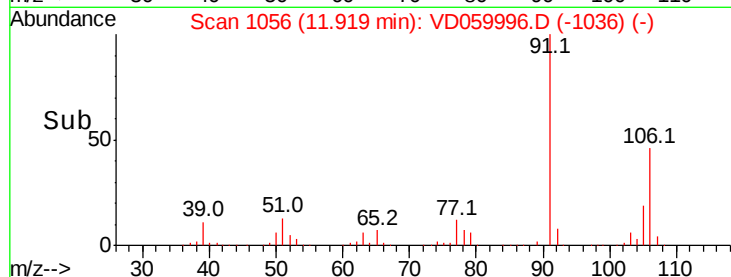
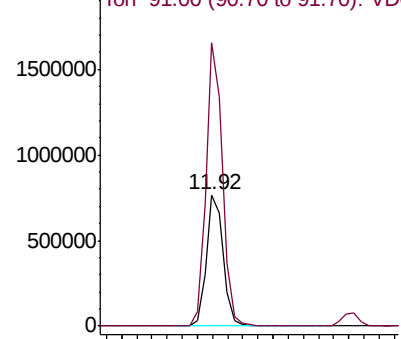
#69
o-Xylene
Concen: 56.929 ug/l
RT: 11.92 min Scan# 1056
Delta R.T. 0.00 min
Lab File: VD059996.D
Acq: 13 Sep 2018 13:42

Instrument :
MSVOA_D
ClientSampleID :

Tot Ion:106 Resp: 1187355
Ion Ratio Lower Upper
106 100
91 215.4 107.7 323.1

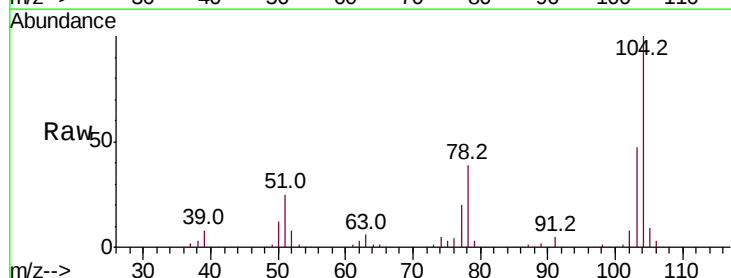


Abundance Ion 106.05 (105.75 to 106.75): V
Ion 91.00 (90.70 to 91.70): V

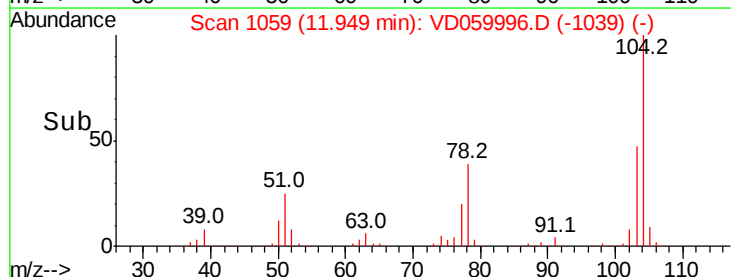
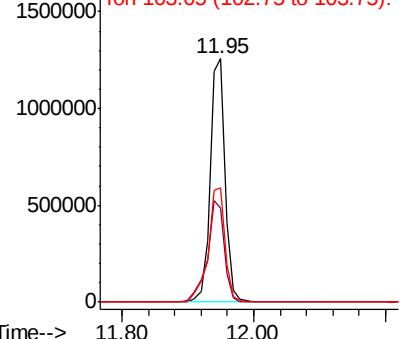


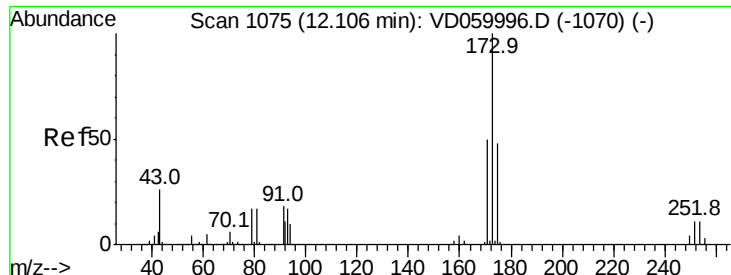
#70
Styrene
Concen: 55.207 ug/l
RT: 11.95 min Scan# 1059
Delta R.T. 0.00 min
Lab File: VD059996.D
Acq: 13 Sep 2018 13:42

Tgt Ion:104 Resp: 1979939
Ion Ratio Lower Upper
104 100
78 38.7 31.0 46.4
103 47.0 37.6 56.4



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





#71

Bromoform

Concen: 55.035 ug/l

RT: 12.11 min Scan# 1075

Delta R.T. 0.00 min

Lab File: VD059996.D

Acq: 13 Sep 2018 13:42

Instrument :

MSVOA_D

ClientSampleId :

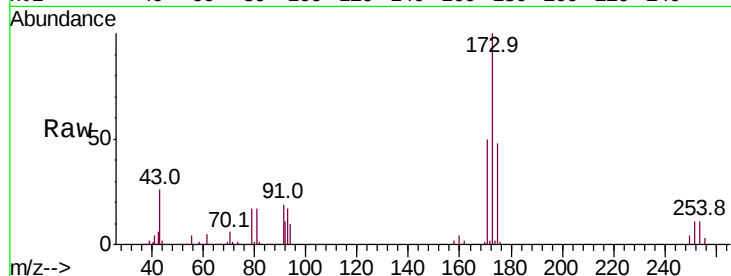
Tot Ion:173 Resp: 596454

Ion Ratio Lower Upper

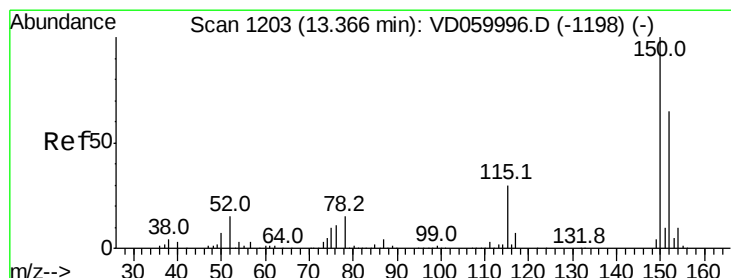
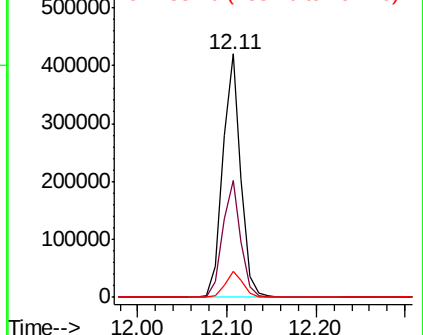
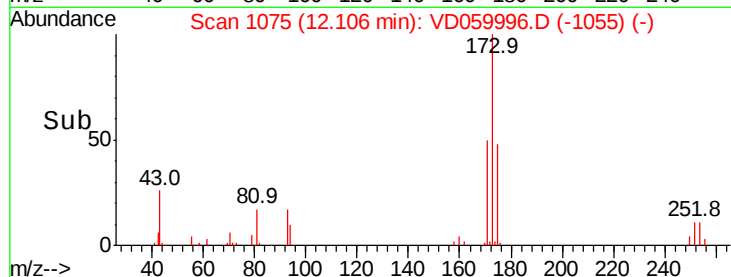
173 100

175 48.0 24.0 72.0

254 10.8 8.6 13.0



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



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.37 min Scan# 1203

Delta R.T. 0.00 min

Lab File: VD059996.D

Acq: 13 Sep 2018 13:42

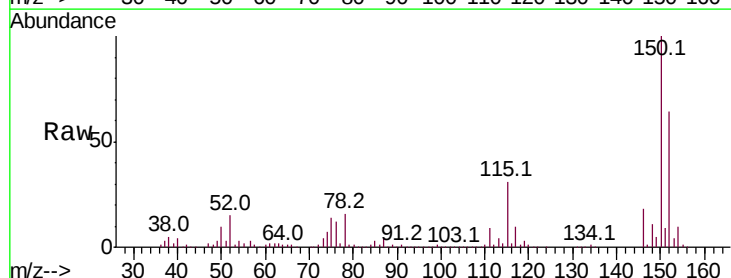
Tgt Ion:152 Resp: 925295

Ion Ratio Lower Upper

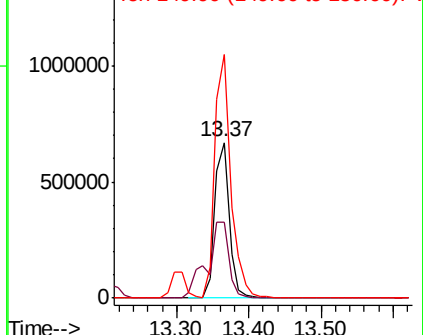
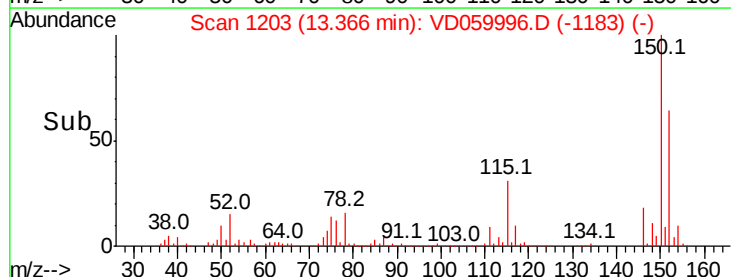
152 100

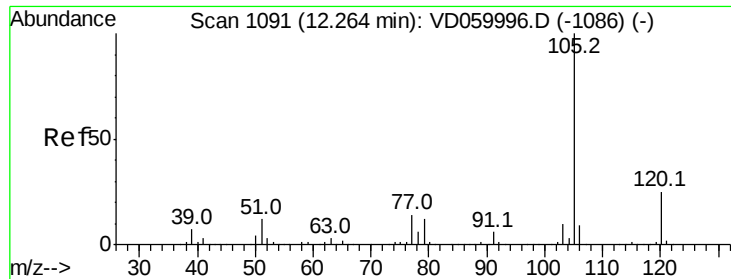
115 49.2 24.6 73.8

150 156.7 0.0 313.4



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

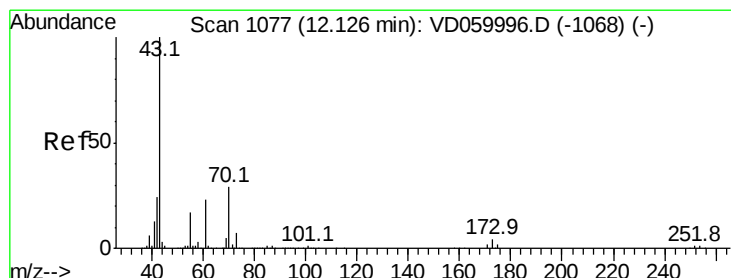
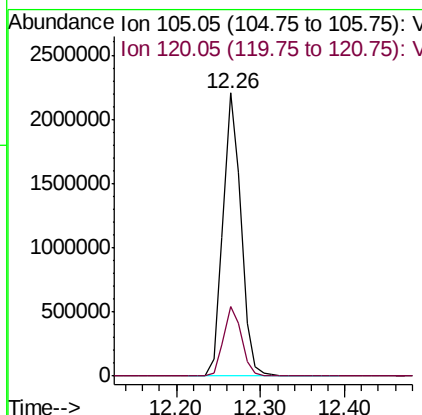
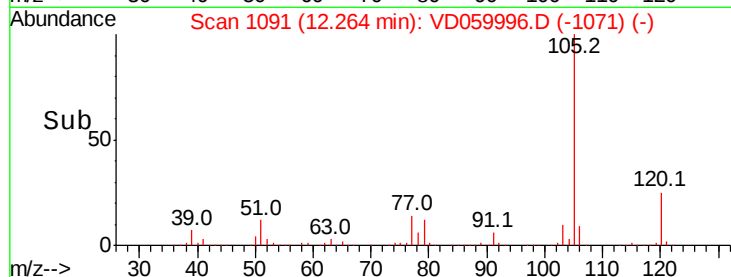
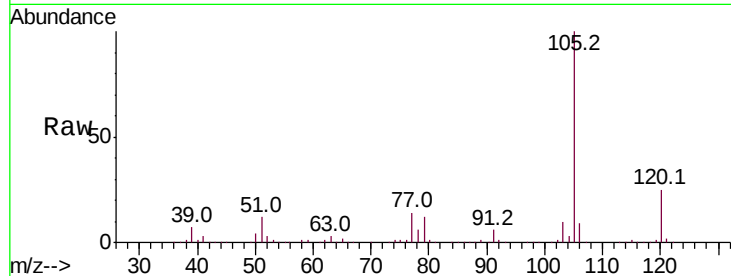




#73
Isopropylbenzene
Concen: 54.518 ug/l
RT: 12.26 min Scan# 1091
Delta R.T. 0.00 min
Lab File: VD059996.D
Acq: 13 Sep 2018 13:42

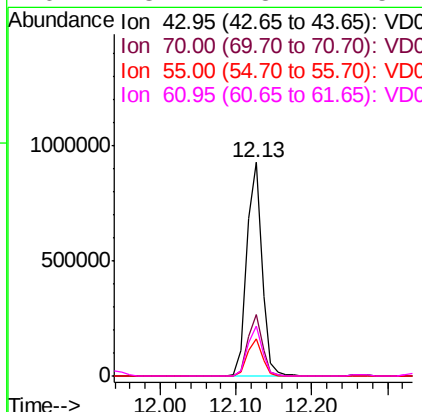
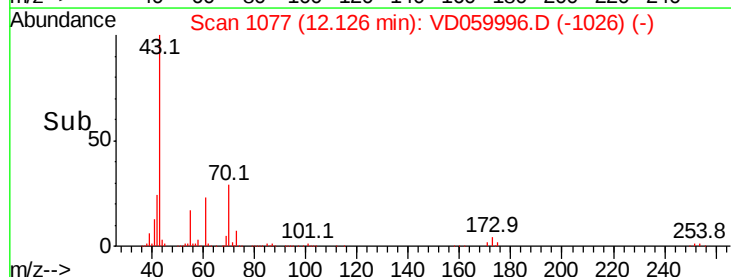
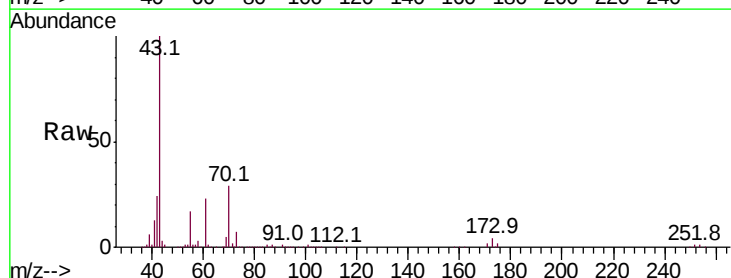
Instrument :
MSVOA_D
ClientSampleID :

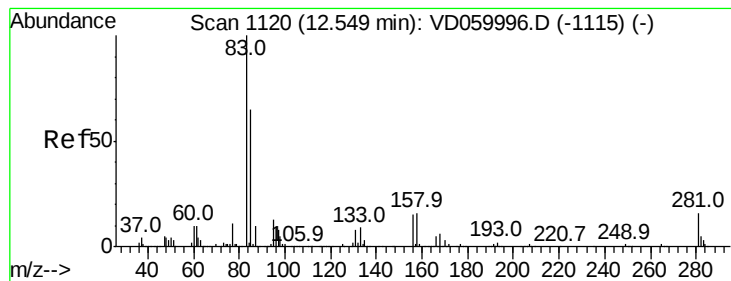
Tot Ion:105 Resp: 3281237
Ion Ratio Lower Upper
105 100
120 24.6 12.3 36.9



#74
N-ethyl acetate
Concen: 49.698 ug/l
RT: 12.13 min Scan# 1077
Delta R.T. 0.00 min
Lab File: VD059996.D
Acq: 13 Sep 2018 13:42

Tgt Ion: 43 Resp: 1277527
Ion Ratio Lower Upper
43 100
70 28.6 22.9 34.3
55 17.5 14.0 21.0
61 23.4 18.7 28.1





#75

1,1,2,2-Tetrachloroethane

Concen: 53.070 ug/l

RT: 12.55 min Scan# 1120

Delta R.T. 0.00 min

Lab File: VD059996.D

Acq: 13 Sep 2018 13:42

Instrument :

MSVOA_D

ClientSampleId :

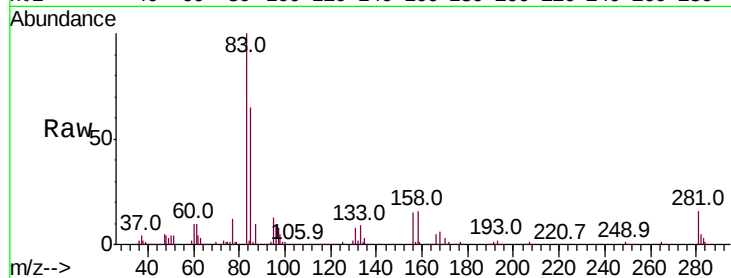
Tot Ion: 83 Resp: 734137

Ion Ratio Lower Upper

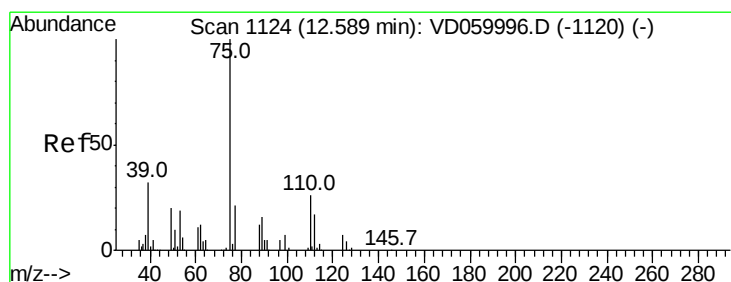
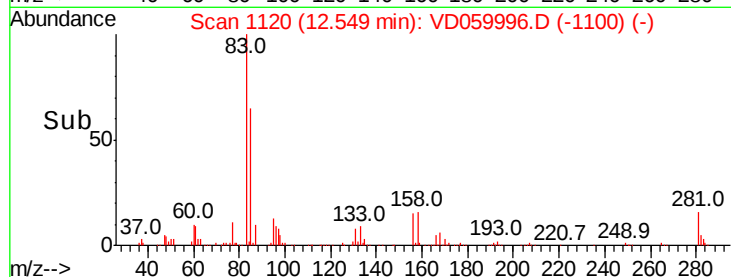
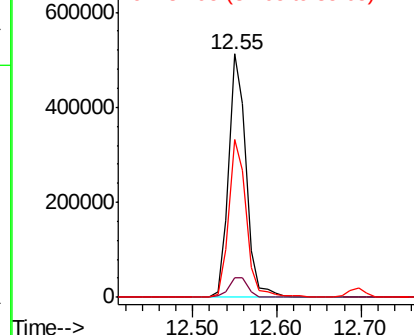
83 100

131 8.2 4.1 12.3

85 64.8 32.4 97.2



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



#76

1,2,3-Trichloropropane

Concen: 52.411 ug/l

RT: 12.59 min Scan# 1124

Delta R.T. 0.00 min

Lab File: VD059996.D

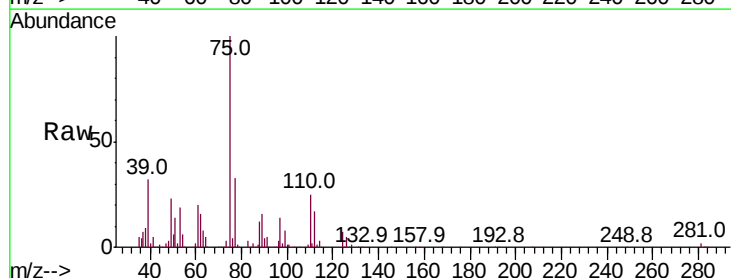
Acq: 13 Sep 2018 13:42

Tgt Ion: 75 Resp: 755234

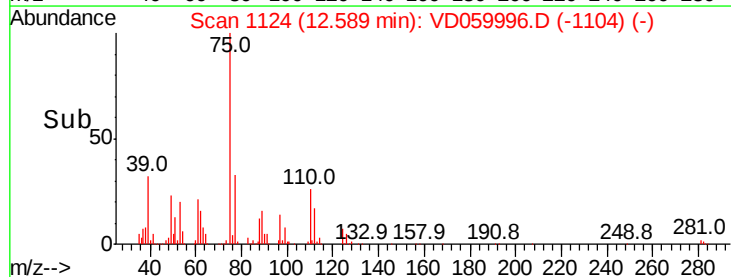
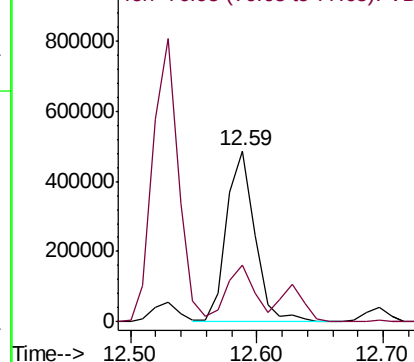
Ion Ratio Lower Upper

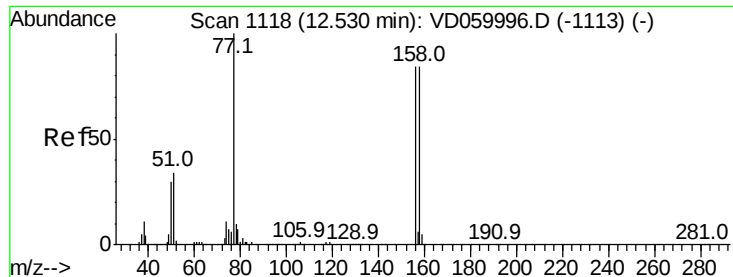
75 100

77 32.9 16.4 49.4



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





#77

Bromobenzene

Concen: 55.533 ug/l

RT: 12.53 min Scan# 1118

Delta R.T. 0.00 min

Lab File: VD059996.D

Acq: 13 Sep 2018 13:42

Instrument :

MSVOA_D

ClientSampleId :

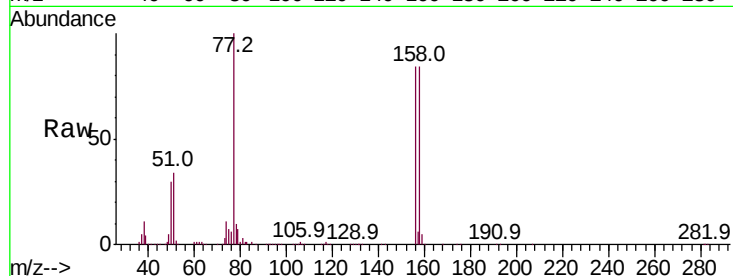
Tot Ion:156 Resp: 925812

Ion Ratio Lower Upper

156 100

77 118.9 59.5 178.4

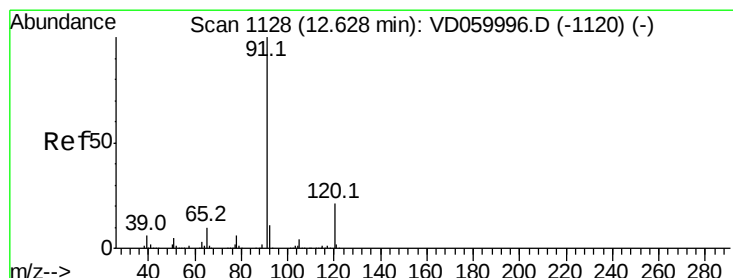
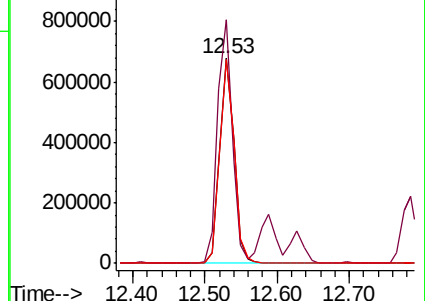
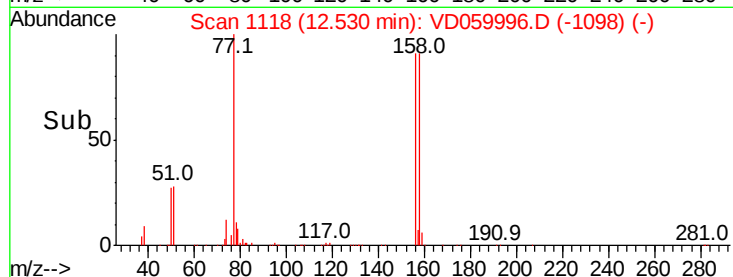
158 99.9 50.0 149.8



Abundance Ion 155.90 (155.60 to 156.60): V

Ion 76.95 (76.65 to 77.65): V

Ion 157.85 (157.55 to 158.55): V



#78

n-propylbenzene

Concen: 53.776 ug/l

RT: 12.63 min Scan# 1128

Delta R.T. 0.00 min

Lab File: VD059996.D

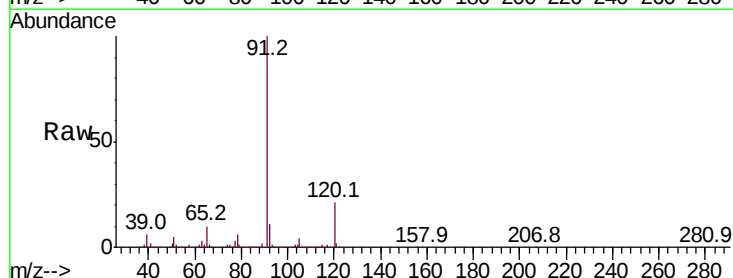
Acq: 13 Sep 2018 13:42

Tgt Ion: 91 Resp: 4080067

Ion Ratio Lower Upper

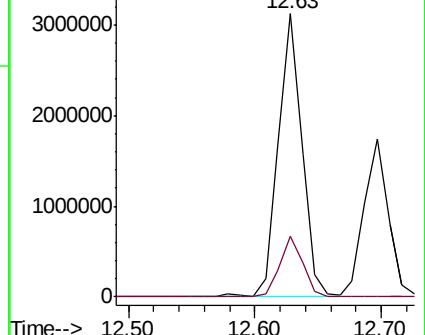
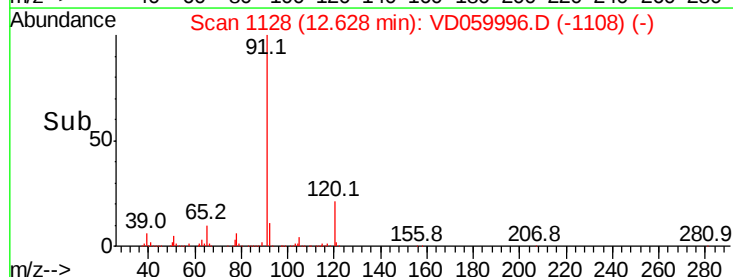
91 100

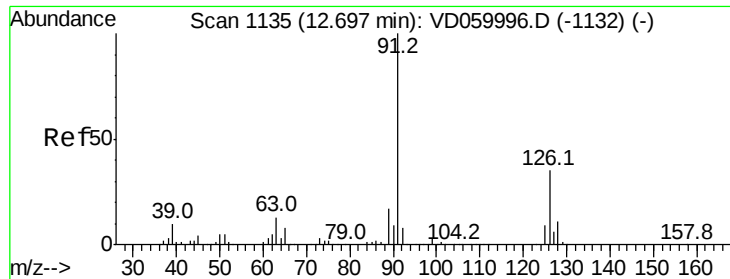
120 21.3 10.7 31.9



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 120.05 (119.75 to 120.75): V





#79

2-Chlorotoluene

Concen: 53.704 ug/l

RT: 12.70 min Scan# 1135

Delta R.T. 0.00 min

Lab File: VD059996.D

Acq: 13 Sep 2018 13:42

Instrument :

MSVOA_D

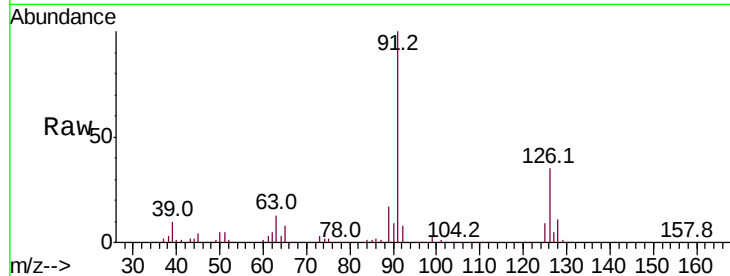
ClientSampleId :

Tot Ion: 91 Resp: 2301186

Ion Ratio Lower Upper

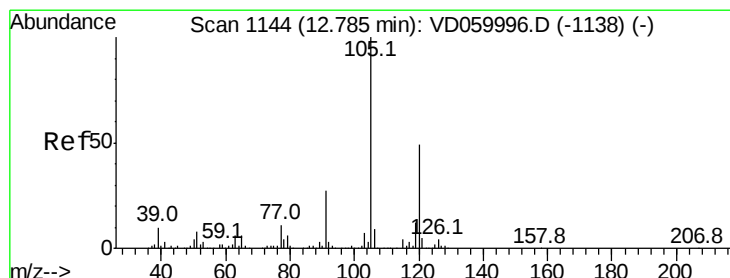
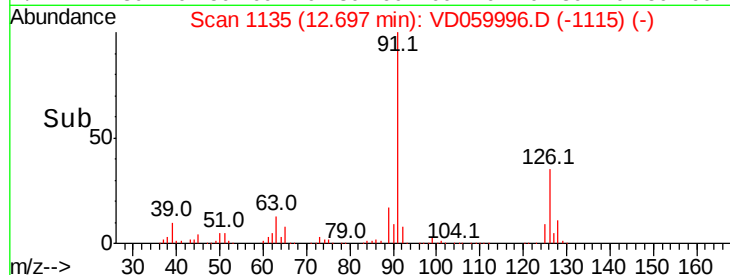
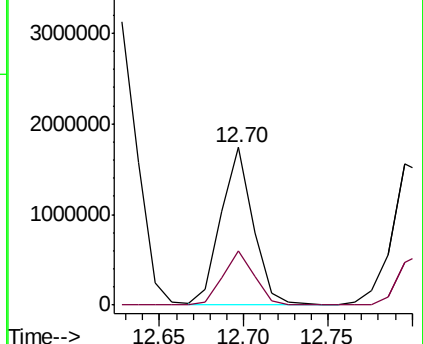
91 100

126 34.7 17.3 52.0



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 125.95 (125.65 to 126.65): V



#80

1,3,5-Trimethylbenzene

Concen: 53.433 ug/l

RT: 12.79 min Scan# 1144

Delta R.T. 0.00 min

Lab File: VD059996.D

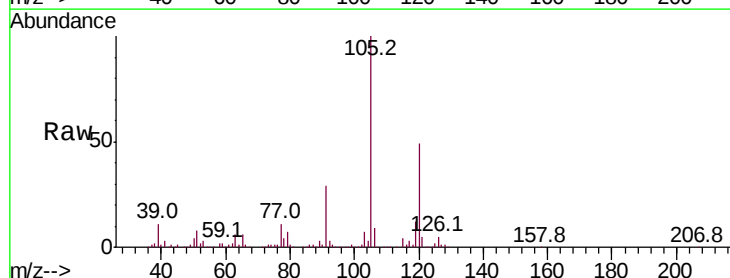
Acq: 13 Sep 2018 13:42

Tgt Ion:105 Resp: 2545028

Ion Ratio Lower Upper

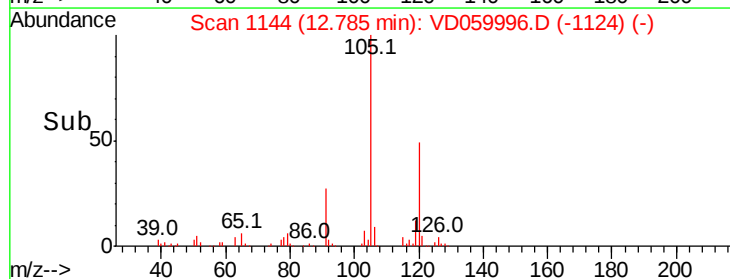
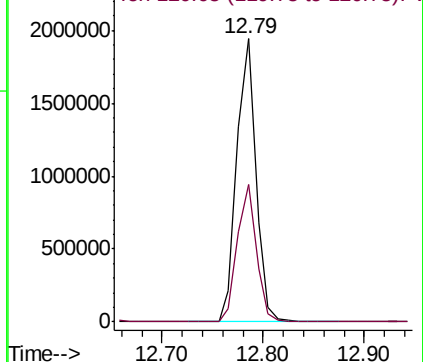
105 100

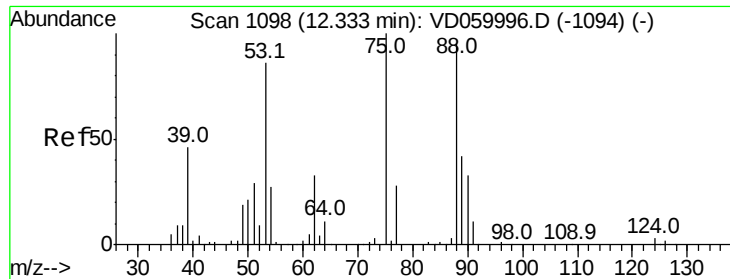
120 48.8 24.4 73.2



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.05 (119.75 to 120.75): V





#81

trans-1,4-Dichloro-2-butene

Concen: 50.657 ug/l

RT: 12.33 min Scan# 1098

Delta R.T. 0.00 min

Lab File: VD059996.D

Acq: 13 Sep 2018 13:42

Instrument :

MSVOA_D

ClientSampleId :

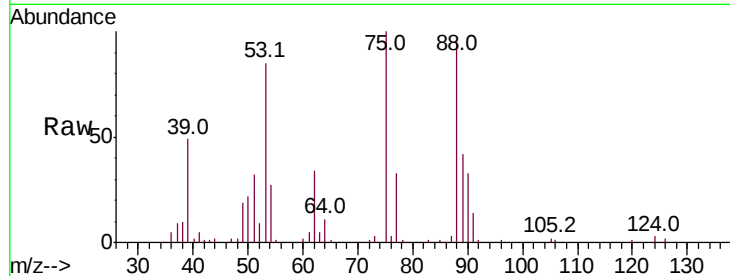
Tot Ion: 75 Resp: 225358

Ion Ratio Lower Upper

75 100

53 85.5 68.4 102.6

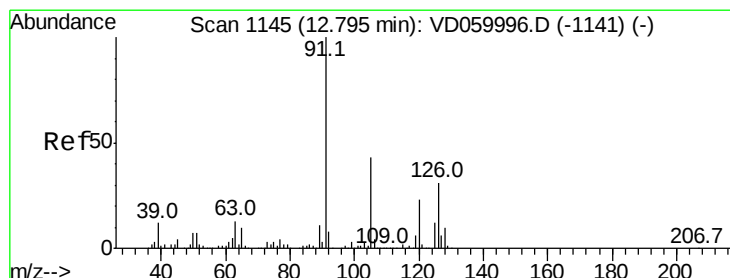
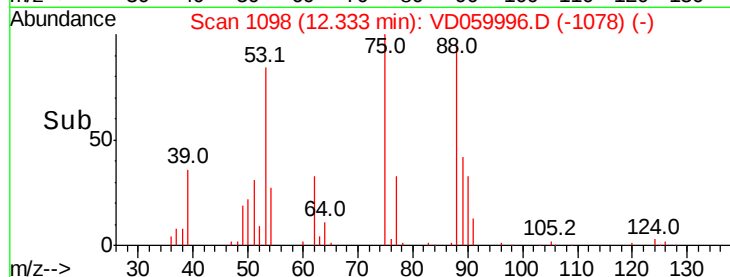
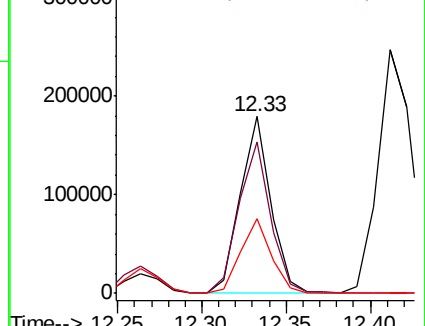
89 42.2 33.8 50.6



Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 53.00 (52.70 to 53.70): VDC

Ion 89.00 (88.70 to 89.70): VDC



#82

4-Chlorotoluene

Concen: 51.576 ug/l

RT: 12.80 min Scan# 1145

Delta R.T. 0.00 min

Lab File: VD059996.D

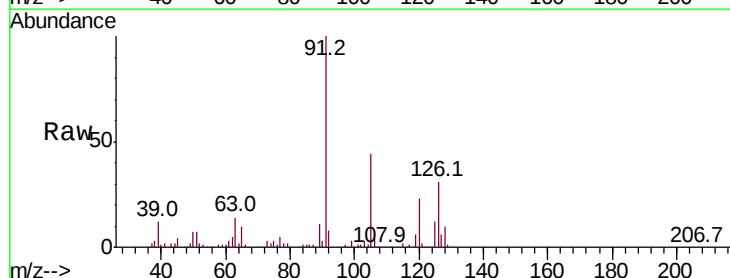
Acq: 13 Sep 2018 13:42

Tgt Ion: 91 Resp: 2505603

Ion Ratio Lower Upper

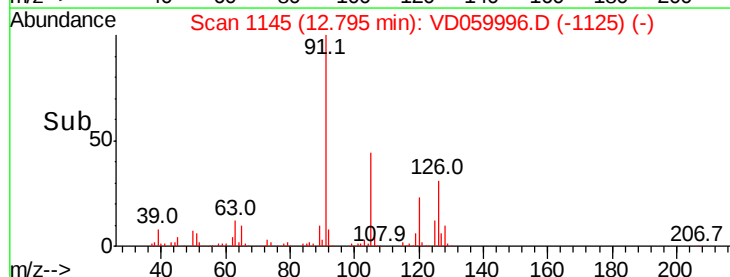
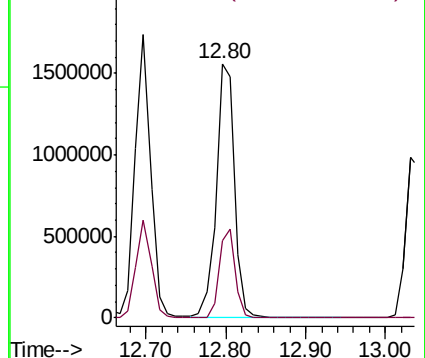
91 100

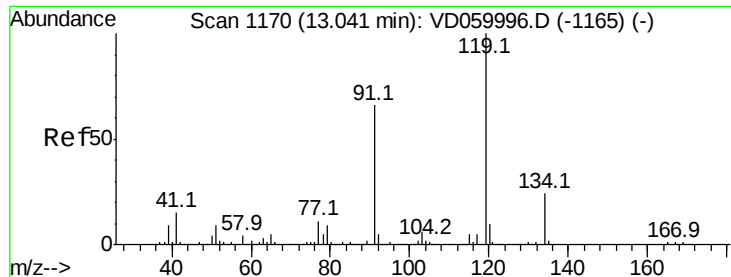
126 30.7 15.4 46.1



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 125.95 (125.65 to 126.65): V





#83

tert-Butylbenzene

Concen: 53.849 ug/l

RT: 13.04 min Scan# 1170

Delta R.T. 0.00 min

Lab File: VD059996.D

Acq: 13 Sep 2018 13:42

Instrument :

MSVOA_D

ClientSampled :

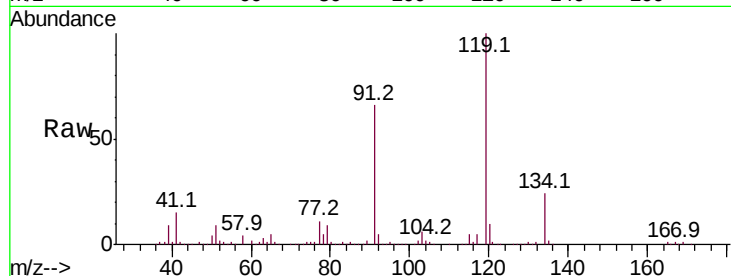
Tot Ion:119 Resp: 2913192

Ion Ratio Lower Upper

119 100

91 65.7 32.9 98.6

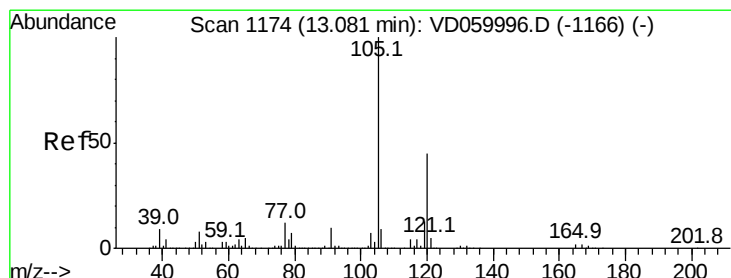
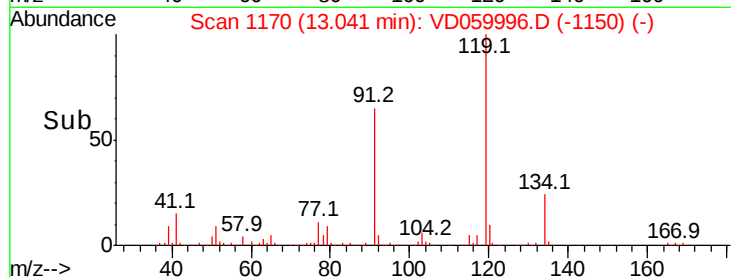
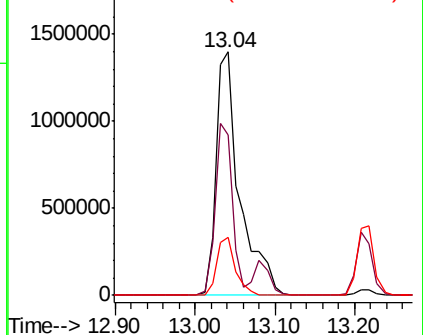
134 24.0 12.0 36.0



Abundance Ion 119.05 (118.75 to 119.75): V

Ion 91.00 (90.70 to 91.70): V

Ion 134.00 (133.70 to 134.70): V



#84

1,2,4-Trimethylbenzene

Concen: 52.814 ug/l

RT: 13.08 min Scan# 1174

Delta R.T. 0.00 min

Lab File: VD059996.D

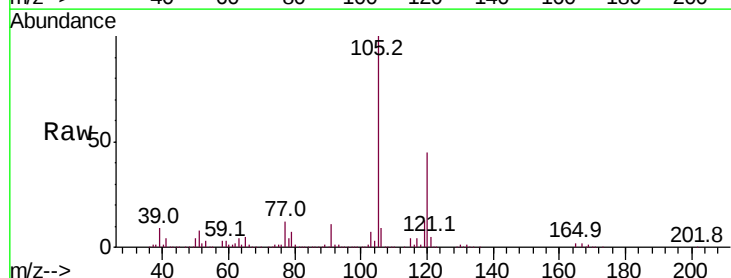
Acq: 13 Sep 2018 13:42

Tgt Ion:105 Resp: 2612353

Ion Ratio Lower Upper

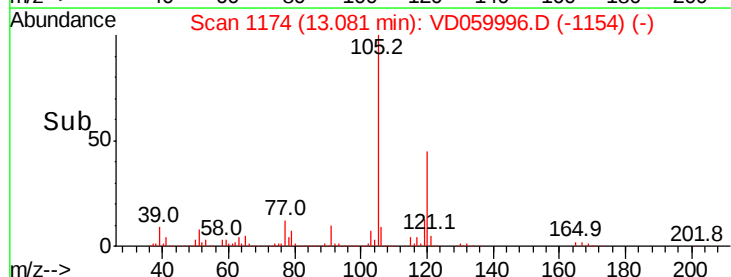
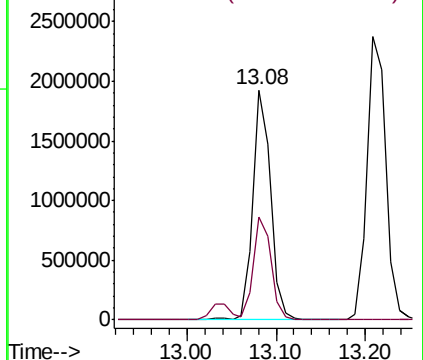
105 100

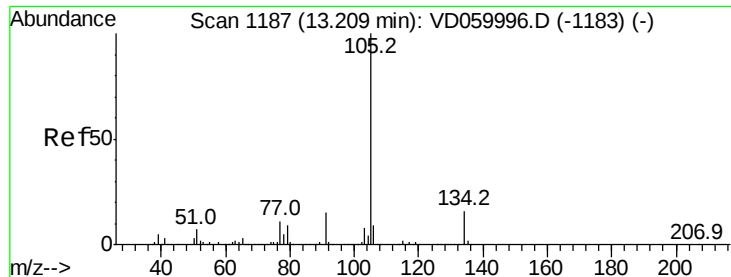
120 44.7 22.4 67.0



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.05 (119.75 to 120.75): V

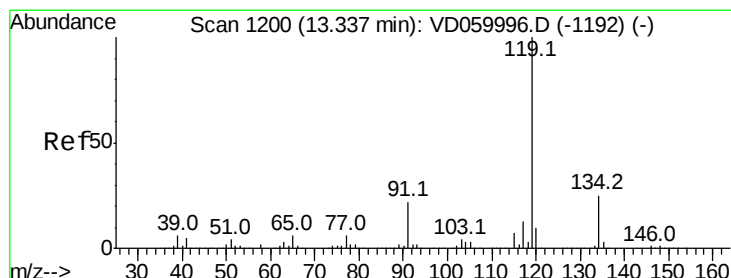
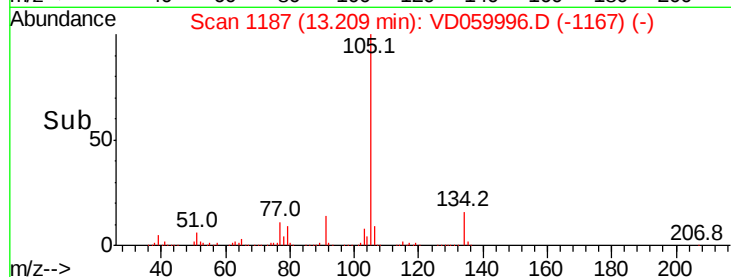
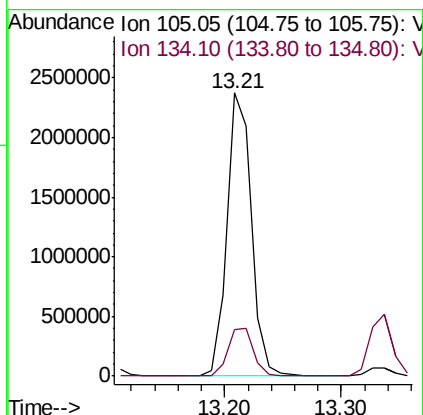
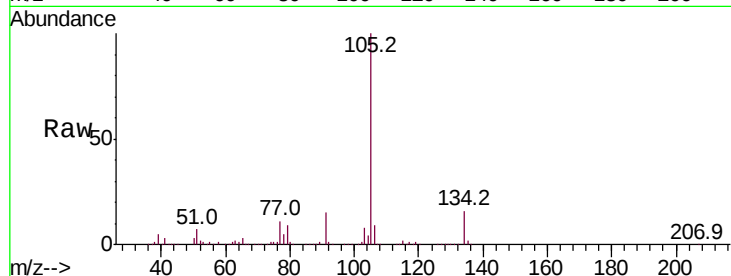




#85
 sec-Butylbenzene
 Concen: 53.742 ug/l
 RT: 13.21 min Scan# 1187
 Delta R.T. 0.00 min
 Lab File: VD059996.D
 Acq: 13 Sep 2018 13:42

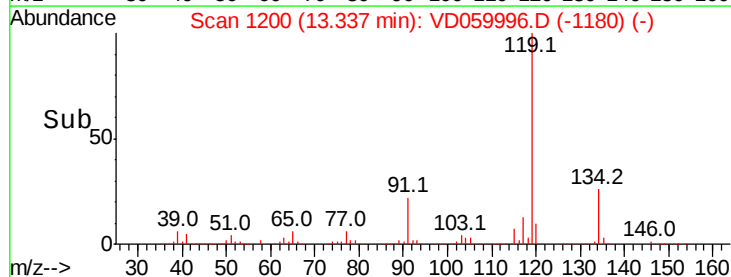
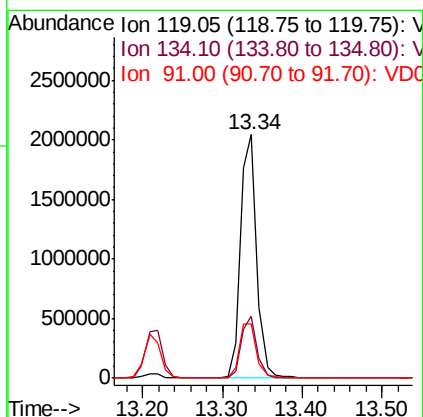
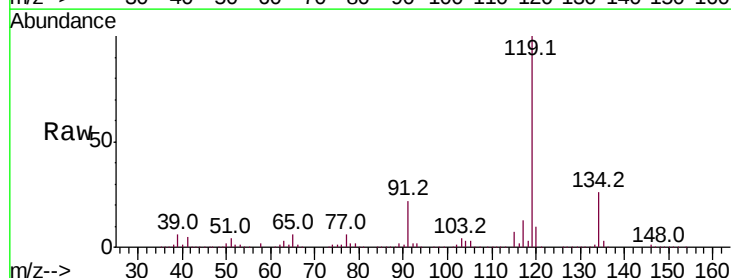
Instrument :
 MSVOA_D
 ClientSampled :

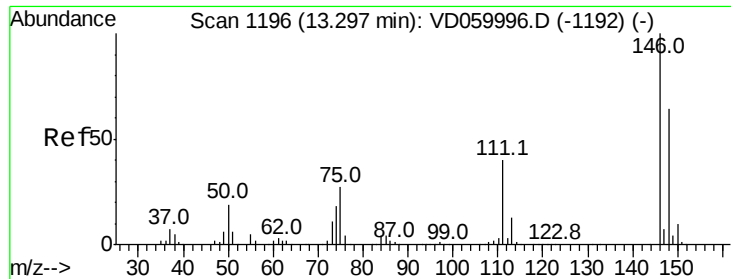
Tot Ion:105 Resp: 3411229
 Ion Ratio Lower Upper
 105 100
 134 16.4 8.2 24.6



#86
 p-Isopropyltoluene
 Concen: 55.037 ug/l
 RT: 13.34 min Scan# 1200
 Delta R.T. 0.00 min
 Lab File: VD059996.D
 Acq: 13 Sep 2018 13:42

Tgt Ion:119 Resp: 2868110
 Ion Ratio Lower Upper
 119 100
 134 25.5 12.8 38.3
 91 22.2 11.1 33.3



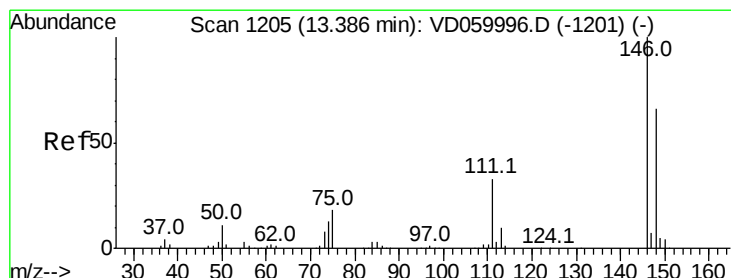
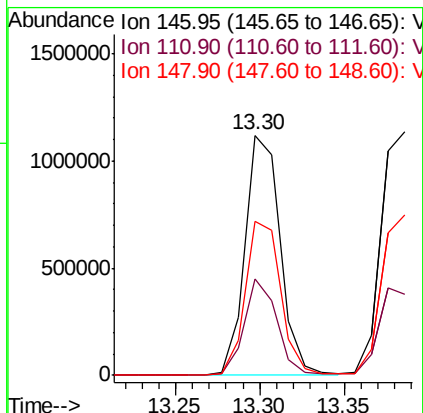
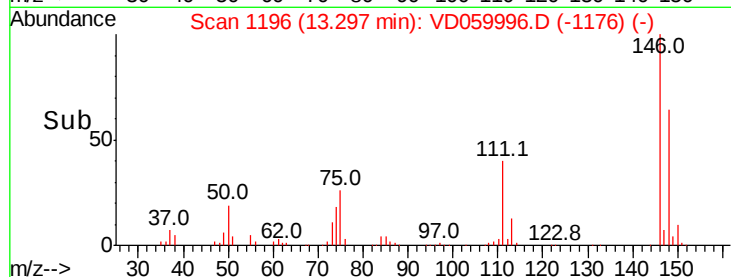
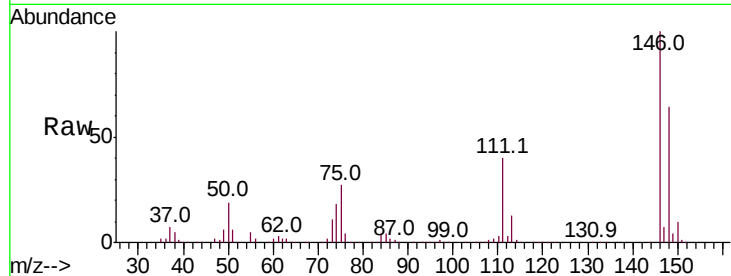


#87
 1,3-Dichlorobenzene
 Concen: 54.709 ug/l
 RT: 13.30 min Scan# 1196
 Delta R.T. 0.00 min
 Lab File: VD059996.D
 Acq: 13 Sep 2018 13:42

Instrument :
 MSVOA_D
 ClientSampled :

Tot Ion:146 Resp: 1627168

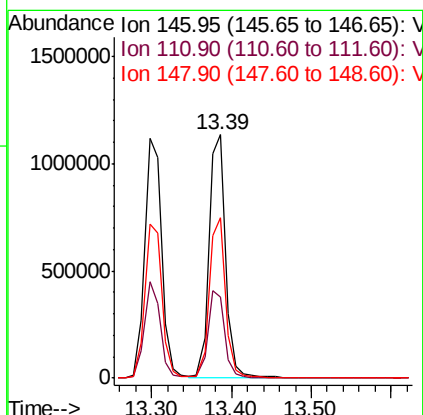
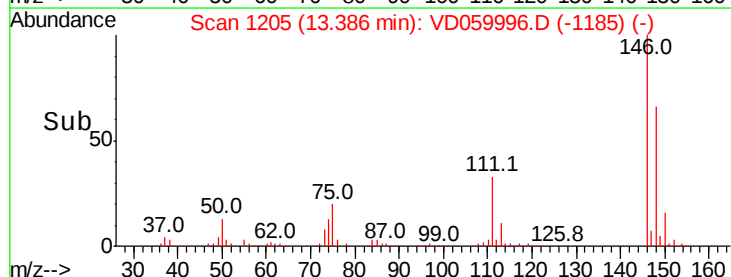
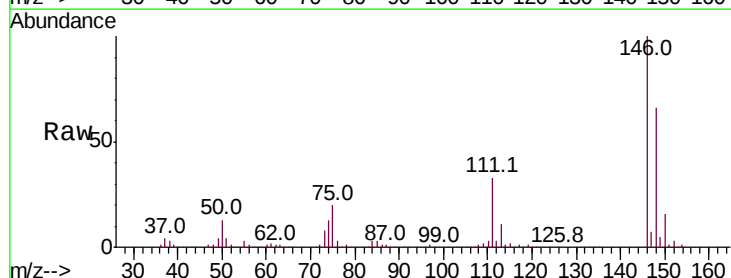
Ion	Ratio	Lower	Upper
146	100		
111	40.3	20.2	60.5
148	64.1	32.0	96.2

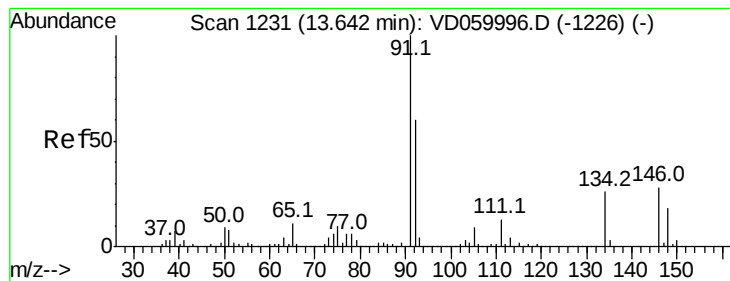


#88
 1,4-Dichlorobenzene
 Concen: 55.360 ug/l
 RT: 13.39 min Scan# 1205
 Delta R.T. 0.00 min
 Lab File: VD059996.D
 Acq: 13 Sep 2018 13:42

Tgt Ion:146 Resp: 1648753

Ion	Ratio	Lower	Upper
146	100		
111	33.3	16.7	50.0
148	65.7	32.9	98.6





#89

n-Butylbenzene

Concen: 51.317 ug/l

RT: 13.64 min Scan# 1231

Delta R.T. 0.00 min

Lab File: VD059996.D

Acq: 13 Sep 2018 13:42

Instrument :

MSVOA_D

ClientSampleId :

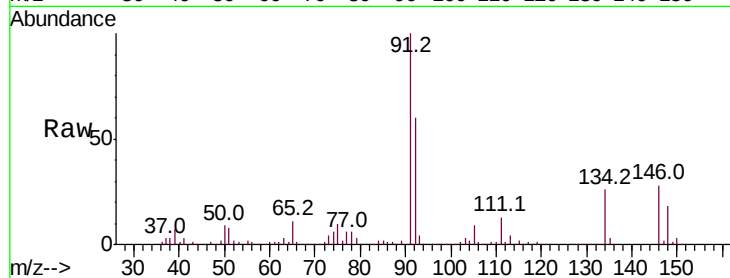
Tot Ion: 91 Resp: 2671425

Ion Ratio Lower Upper

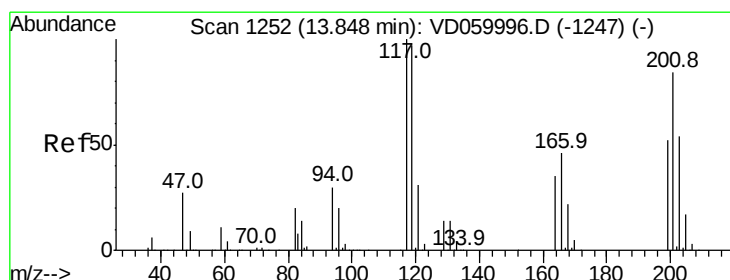
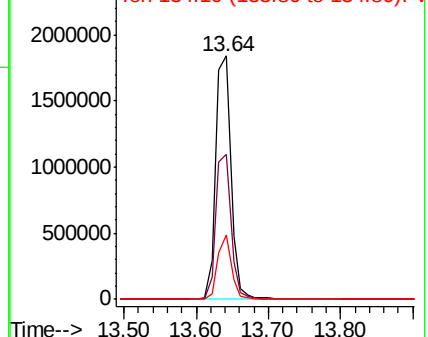
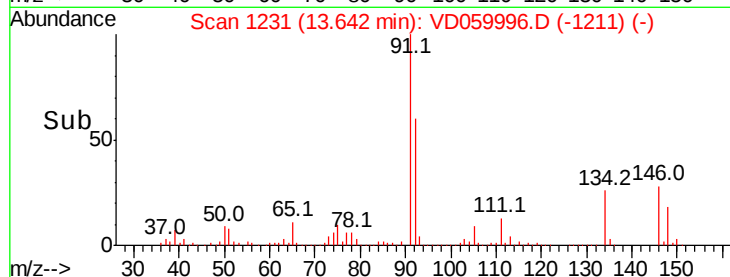
91 100

92 59.5 29.8 89.3

134 26.4 13.2 39.6



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



#90

Hexachloroethane

Concen: 51.932 ug/l

RT: 13.85 min Scan# 1252

Delta R.T. 0.00 min

Lab File: VD059996.D

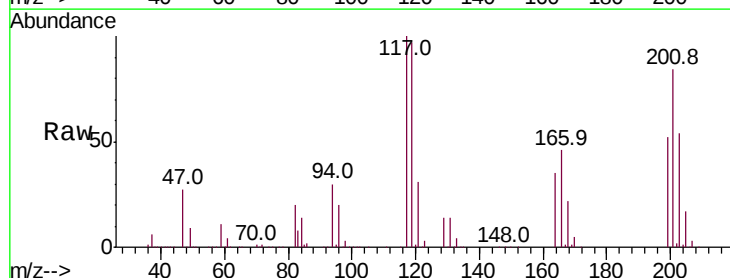
Acq: 13 Sep 2018 13:42

Tgt Ion: 117 Resp: 716794

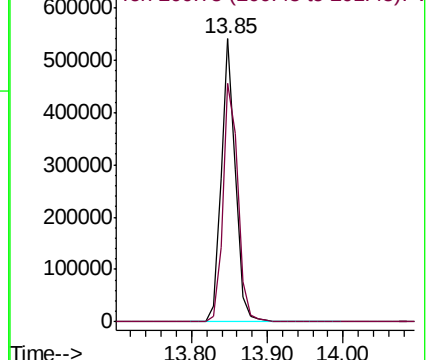
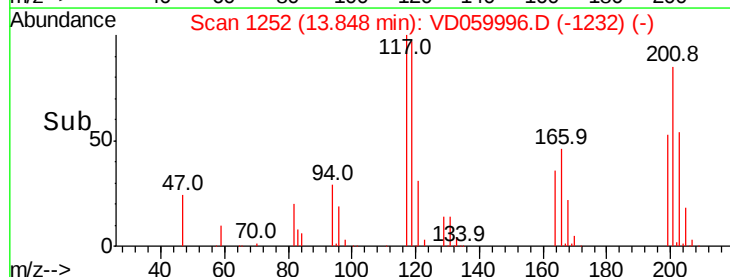
Ion Ratio Lower Upper

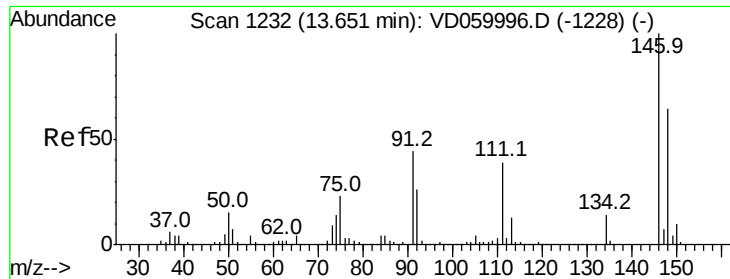
117 100

201 84.3 42.1 126.4



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

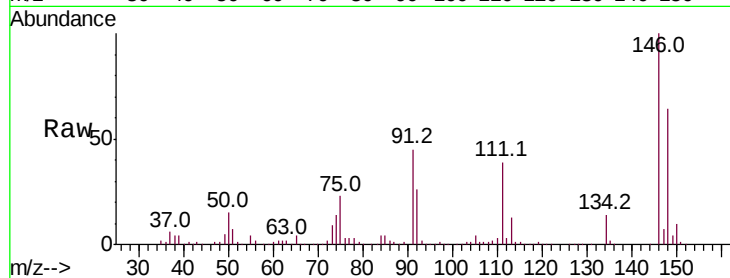




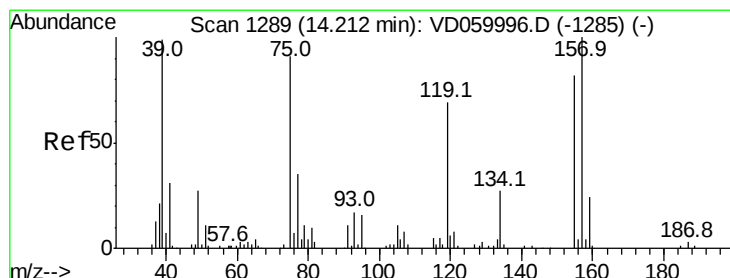
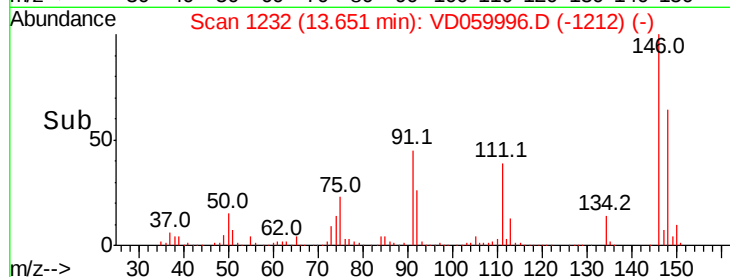
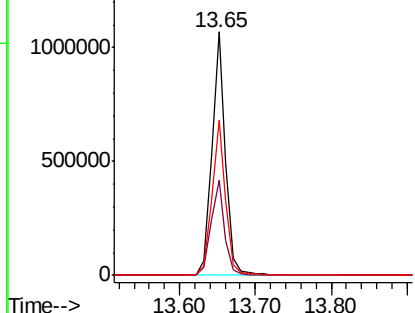
#91
 1,2-Dichlorobenzene
 Concen: 53.413 ug/l
 RT: 13.65 min Scan# 1232
 Delta R.T. 0.00 min
 Lab File: VD059996.D
 Acq: 13 Sep 2018 13:42

Instrument :
 MSVOA_D
 ClientSampleId :

Tot Ion:146 Resp: 1338922
 Ion Ratio Lower Upper
 146 100
 111 39.1 19.6 58.7
 148 63.8 31.9 95.7

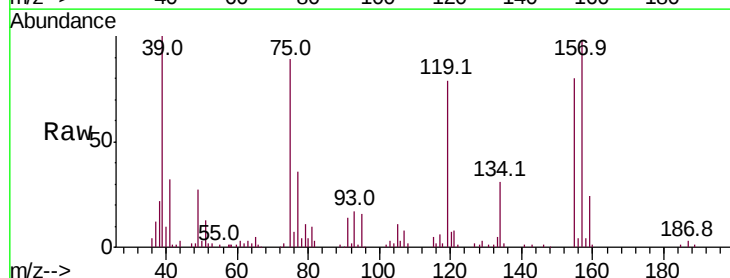


Abundance Ion 145.95 (145.65 to 146.65): V
 Ion 110.90 (110.60 to 111.60): V
 Ion 147.90 (147.60 to 148.60): V

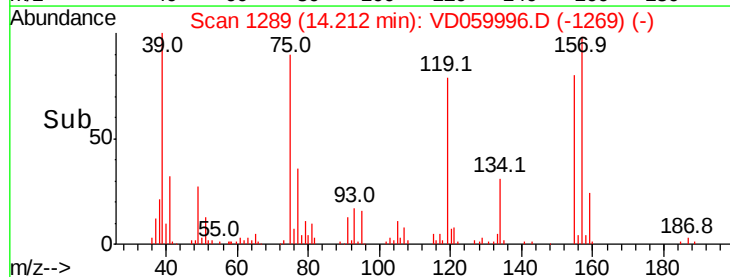
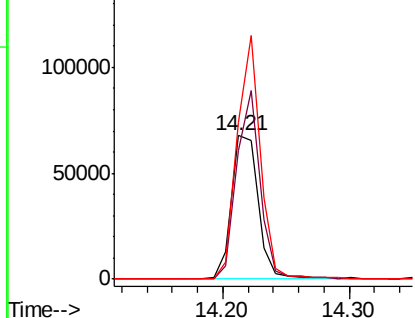


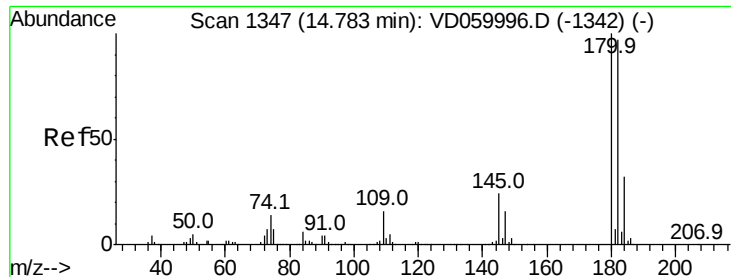
#92
 1,2-Dibromo-3-Chloropropane
 Concen: 48.361 ug/l
 RT: 14.21 min Scan# 1289
 Delta R.T. 0.00 min
 Lab File: VD059996.D
 Acq: 13 Sep 2018 13:42

Tgt Ion: 75 Resp: 100042
 Ion Ratio Lower Upper
 75 100
 155 89.4 44.7 134.1
 157 109.4 54.7 164.1



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

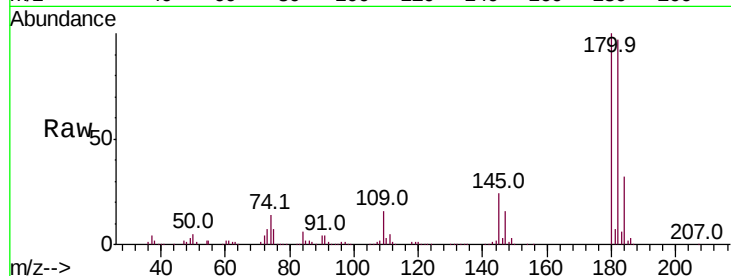




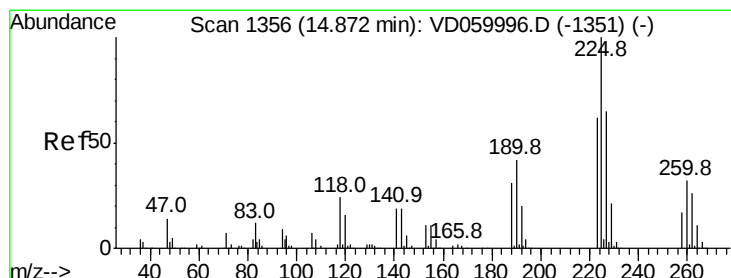
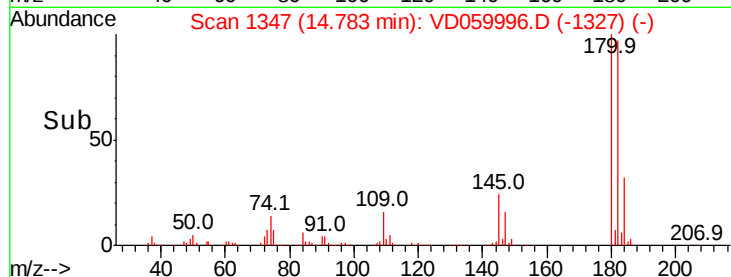
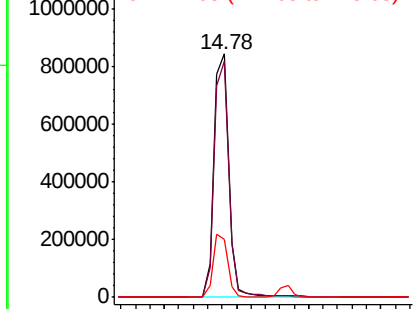
#93
 1,2,4-Trichlorobenzene
 Concen: 55.356 ug/l
 RT: 14.78 min Scan# 1347
 Delta R.T. 0.00 min
 Lab File: VD059996.D
 Acq: 13 Sep 2018 13:42

Instrument :
 MSVOA_D
 ClientSampleId :

Tot Ion:180 Resp: 1193447
 Ion Ratio Lower Upper
 180 100
 182 97.1 48.5 145.6
 145 23.8 11.9 35.7

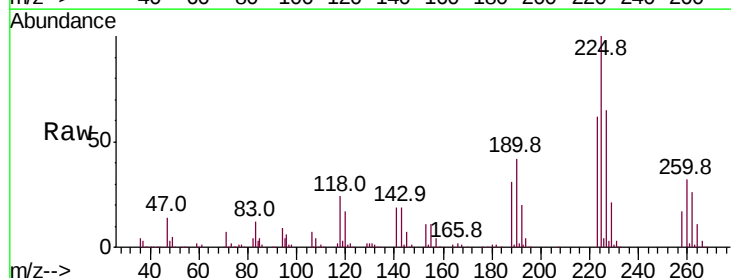


Abundance Ion 179.85 (179.55 to 180.55): V
 Ion 181.85 (181.55 to 182.55): V
 Ion 144.95 (144.65 to 145.65): V

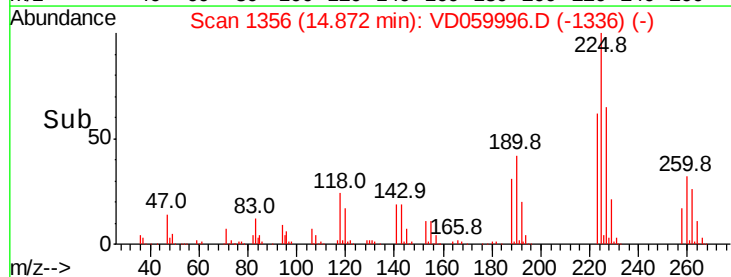
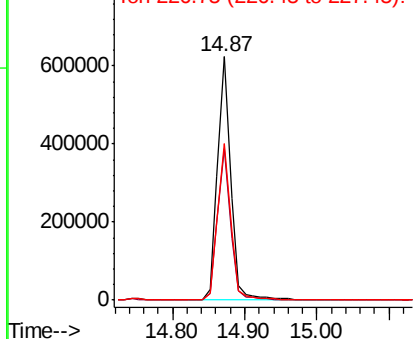


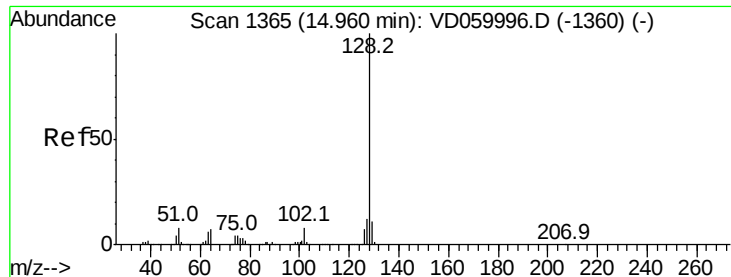
#94
 Hexachlorobutadiene
 Concen: 55.232 ug/l
 RT: 14.87 min Scan# 1356
 Delta R.T. 0.00 min
 Lab File: VD059996.D
 Acq: 13 Sep 2018 13:42

Tgt Ion:225 Resp: 783041
 Ion Ratio Lower Upper
 225 100
 223 62.4 31.2 93.6
 227 64.5 32.3 96.8



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

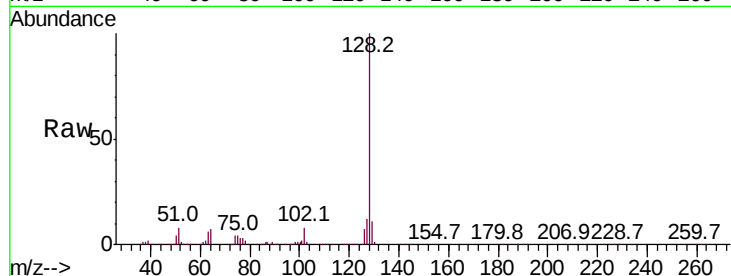




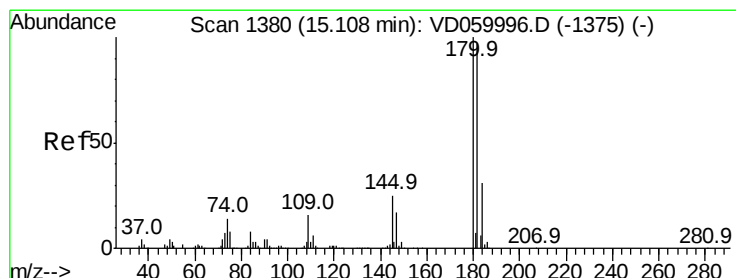
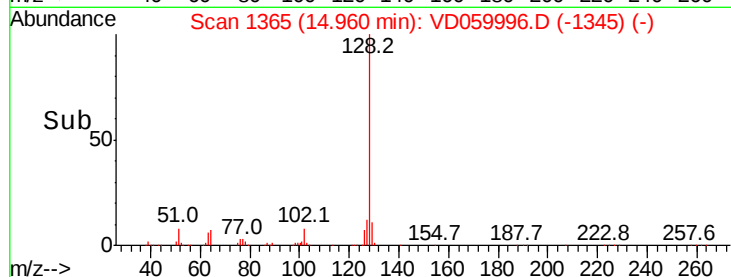
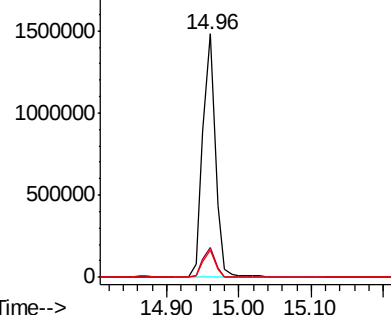
#95
Naphthalene
Concen: 54.696 ug/l
RT: 14.96 min Scan# 1365
Delta R.T. 0.00 min
Lab File: VD059996.D
Acq: 13 Sep 2018 13:42

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion:128 Resp: 1794033
Ion Ratio Lower Upper
128 100
127 12.1 9.7 14.5
129 11.1 8.9 13.3

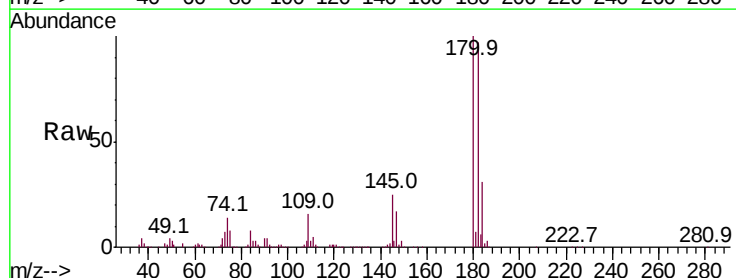


Abundance Ion 128.00 (127.70 to 128.70): V
Ion 127.00 (126.70 to 127.70): V
Ion 129.00 (128.70 to 129.70): V



#96
1,2,3-Trichlorobenzene
Concen: 56.125 ug/l
RT: 15.11 min Scan# 1380
Delta R.T. 0.00 min
Lab File: VD059996.D
Acq: 13 Sep 2018 13:42

Tgt Ion:180 Resp: 1037594
Ion Ratio Lower Upper
180 100
182 97.3 48.6 145.9
145 25.4 12.7 38.1



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

