

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD083018\
 Data File : VD059921.D
 Acq On : 30 Aug 2018 11:48
 Operator : JC/SY
 Sample : VSTDCCC050
 Misc : 5.00g/5ml/MSVOA D/SOIL
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Aug 30 18:03:36 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D082218S.M
 Quant Title : SW846 8260
 QLast Update : Thu Aug 23 03:03:08 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	6.39	168	1243549	50.00	ug/l	-0.03
34) 1,4-Difluorobenzene	7.43	114	1710569	50.00	ug/l	-0.02
63) Chlorobenzene-d5	11.28	117	1441646	50.00	ug/l	-0.02
72) 1,4-Dichlorobenzene-d4	13.37	152	745314	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.77	65	536449	51.18	ug/l	-0.03
Spiked Amount	50.000		Recovery	=	102.36%	
35) Dibromofluoromethane	6.31	113	689437	51.41	ug/l	-0.03
Spiked Amount	50.000		Recovery	=	102.82%	
50) Toluene-d8	9.45	98	1993103	53.55	ug/l	-0.02
Spiked Amount	50.000		Recovery	=	107.10%	
62) 4-Bromofluorobenzene	12.42	95	788406	52.15	ug/l	-0.02
Spiked Amount	50.000		Recovery	=	104.30%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.57	85	521857	46.946	ug/l	98
3) Chloromethane	1.75	50	456989	45.381	ug/l	99
4) Vinyl Chloride	1.84	62	388733	49.232	ug/l	98
5) Bromomethane	2.12	94	59529	43.667	ug/l	92
6) Chloroethane	2.24	64	122343	47.377	ug/l	99
7) Trichlorofluoromethane	2.49	101	469234	51.368	ug/l	100
8) Diethyl Ether	2.80	74	106314	51.877	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	3.07	101	295263	52.779	ug/l	98
10) Methyl Iodide	3.23	142	292499	49.145	ug/l	99
11) Tert butyl alcohol	3.95	59	214069	267.673	ug/l	98
12) 1,1-Dichloroethene	3.05	96	226052	51.906	ug/l	97
13) Acrolein	2.96	56	74336	214.307	ug/l	95
14) Allyl chloride	3.51	41	521352	52.916	ug/l	98
15) Acrylonitrile	4.06	53	797879	266.418	ug/l	100
16) Acetone	3.14	43	572075	299.585	ug/l	99
17) Carbon Disulfide	3.30	76	673639	49.832	ug/l	99
18) Methyl Acetate	3.53	43	216775	54.380	ug/l	100
19) Methyl tert-butyl Ether	4.10	73	1252136	50.824	ug/l	98
20) Methylene Chloride	3.70	84	751261	59.665	ug/l	95
21) trans-1,2-Dichloroethene	4.07	96	612379	51.035	ug/l	98
22) Diisopropyl ether	4.84	45	2585378	51.453	ug/l	96
23) Vinyl Acetate	4.78	43	7427630	264.433	ug/l	100
24) 1,1-Dichloroethane	4.73	63	1112716	51.259	ug/l	99
25) 2-Butanone	5.61	43	1603318	283.496	ug/l	97
26) 2,2-Dichloropropane	5.57	77	916613	50.511	ug/l	100
27) cis-1,2-Dichloroethene	5.58	96	688939	52.439	ug/l	94
28) Bromochloromethane	5.90	49	530450	50.987	ug/l	95
29) Tetrahydrofuran	5.93	42	702357	260.861	ug/l	98
30) Chloroform	6.08	83	1113125	50.457	ug/l	97
31) Cyclohexane	6.35	56	949245	47.566	ug/l	98
32) 1,1,1-Trichloroethane	6.28	97	941030	50.259	ug/l	99
36) 1,1-Dichloropropene	6.50	75	810789	52.287	ug/l	98
37) Ethyl Acetate	5.69	43	652913	54.110	ug/l	97
38) Carbon Tetrachloride	6.48	117	817711	52.254	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	8.02	83	892261	53.258	ug/l	99
40) Benzene	6.78	78	2147385	53.259	ug/l	99
41) Methacrylonitrile	5.93	41	722711	118.902	ug/l #	79
42) 1,2-Dichloroethane	6.88	62	682543	52.732	ug/l	99
43) Isopropyl Acetate	8.33	43	839538	53.481	ug/l	100
44) Trichloroethene	7.72	130	633746	53.384	ug/l	97
45) 1,2-Dichloropropane	8.09	63	602629	53.472	ug/l	97
46) Dibromomethane	8.21	93	383663	52.944	ug/l	92
47) Bromodichloromethane	8.48	83	859207	52.375	ug/l	99
48) Methyl methacrylate	8.24	41	478897	52.333	ug/l	99
49) 1,4-Dioxane	8.22	88	90692	1110.088	ug/l #	89
51) 4-Methyl-2-Pentanone	9.34	43	3326137	284.208	ug/l	100
52) Toluene	9.53	92	1376086	53.225	ug/l	98
53) t-1,3-Dichloropropene	9.91	75	817650	53.887	ug/l	99
54) cis-1,3-Dichloropropene	9.09	75	950821	54.047	ug/l	98
55) 1,1,2-Trichloroethane	10.17	97	481069	50.903	ug/l	98
56) Ethyl methacrylate	10.03	69	589278	54.028	ug/l	97
57) 1,3-Dichloropropane	10.37	76	746545	54.578	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.91	63	1470652	281.073	ug/l	97
59) 2-Hexanone	10.48	43	2445641	283.320	ug/l	100
60) Dibromochloromethane	10.64	129	640275	53.901	ug/l	99
61) 1,2-Dibromoethane	10.75	107	520326	54.451	ug/l	98
64) Tetrachloroethene	10.24	164	596437	53.506	ug/l	98
65) Chlorobenzene	11.31	112	1518785	53.015	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.41	131	547534	52.314	ug/l	100
67) Ethyl Benzene	11.42	91	2506744	52.011	ug/l	98
68) m/p-Xylenes	11.56	106	1867495	106.423	ug/l	96
69) o-Xylene	11.93	106	924849	53.887	ug/l	98
70) Styrene	11.96	104	1597351	53.751	ug/l	98
71) Bromoform	12.11	173	488485	53.941	ug/l #	97
73) Isopropylbenzene	12.27	105	2528033	53.136	ug/l	98
74) N-amyl acetate	12.13	43	1069265	51.328	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.56	83	612869	55.691	ug/l	99
76) 1,2,3-Trichloropropane	12.59	75	633405	54.680	ug/l	100
77) Bromobenzene	12.54	156	737572	55.915	ug/l	91
78) n-propylbenzene	12.63	91	3176715	52.730	ug/l	98
79) 2-Chlorotoluene	12.70	91	1771418	51.993	ug/l	95
80) 1,3,5-Trimethylbenzene	12.79	105	1916098	50.656	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.34	75	186007	51.621	ug/l	93
82) 4-Chlorotoluene	12.80	91	1972678	50.763	ug/l	92
83) tert-Butylbenzene	13.05	119	2318567	53.809	ug/l	96
84) 1,2,4-Trimethylbenzene	13.09	105	2102934	53.340	ug/l	100
85) sec-Butylbenzene	13.21	105	2696161	53.208	ug/l	99
86) p-Isopropyltoluene	13.34	119	2202606	53.448	ug/l	99
87) 1,3-Dichlorobenzene	13.30	146	1260521	53.525	ug/l	96
88) 1,4-Dichlorobenzene	13.39	146	1265193	53.848	ug/l	99
89) n-Butylbenzene	13.64	91	2174684	56.853	ug/l	97
90) Hexachloroethane	13.85	117	572799	51.765	ug/l	91
91) 1,2-Dichlorobenzene	13.66	146	1085798	54.224	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.22	75	89611	52.962	ug/l	66

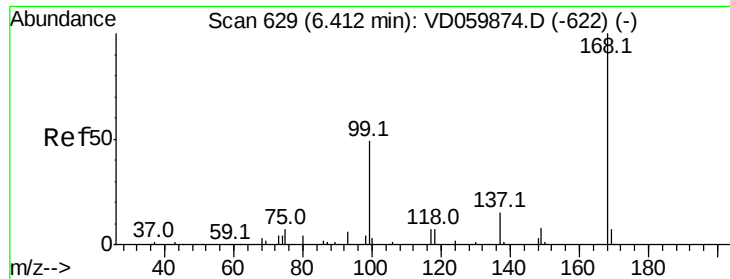
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Quant Title : SW846 8260
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.79	180	934492	54.505	ug/l	97
94) Hexachlorobutadiene	14.88	225	615592	54.774	ug/l	98
95) Naphthalene	14.97	128	1418565	54.142	ug/l	99
96) 1,2,3-Trichlorobenzene	15.11	180	788238	53.755	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 6.39 min Scan# 626

Delta R.T. -0.03 min

Lab File: VD059921.D

Acq: 30 Aug 2018 11:48

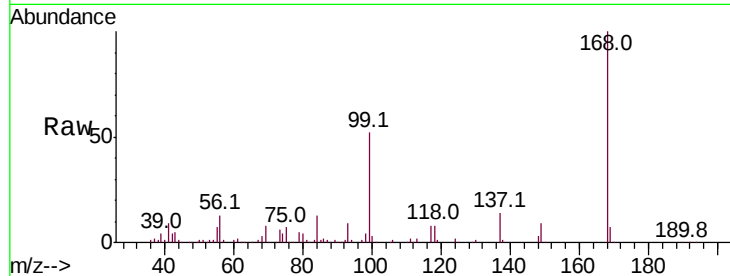
Instrument :
MSVOA_D
ClientSampleId :

Tot Ion:168 Resp: 1243549

Ion Ratio Lower Upper

168 100

99 52.0 42.2 63.2



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC

6.39

500000

400000

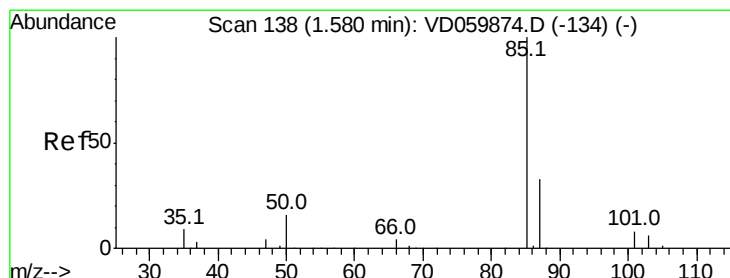
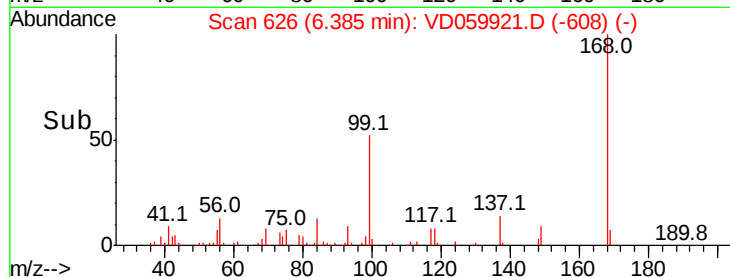
300000

200000

100000

0

Time--> 6.20 6.30 6.40 6.50 6.60



#2

Dichlorodifluoromethane

Concen: 46.946 ug/l

RT: 1.57 min Scan# 137

Delta R.T. -0.01 min

Lab File: VD059921.D

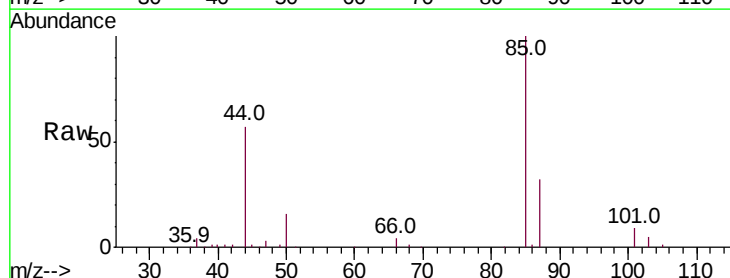
Acq: 30 Aug 2018 11:48

Tgt Ion: 85 Resp: 521857

Ion Ratio Lower Upper

85 100

87 32.2 16.8 50.3



Abundance Ion 84.95 (84.65 to 85.65): VDC

Ion 86.90 (86.60 to 87.60): VDC

1.57

200000

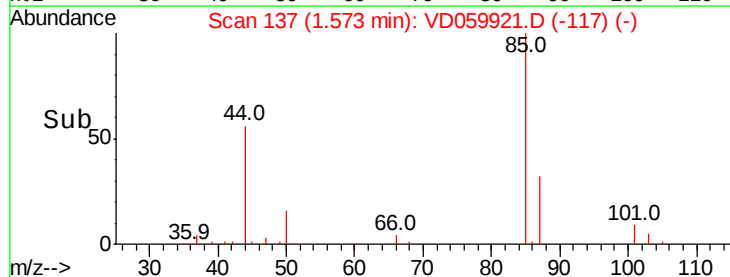
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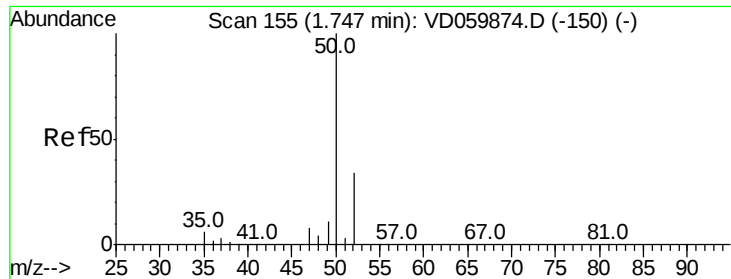
100000

50000

0

Time--> 1.50 1.60 1.70 1.80





#3

Chloromethane

Concen: 45.381 ug/l

RT: 1.75 min Scan# 155

Delta R.T. 0.00 min

Lab File: VD059921.D

Acq: 30 Aug 2018 11:48

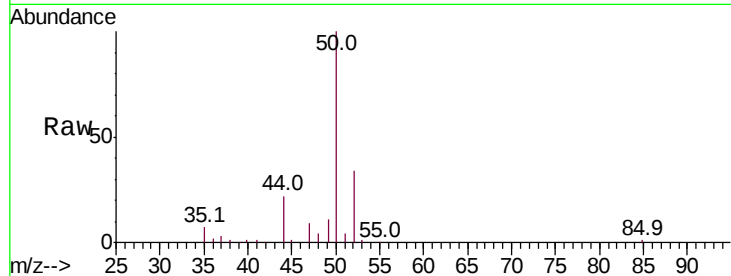
Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 50 Resp: 456989

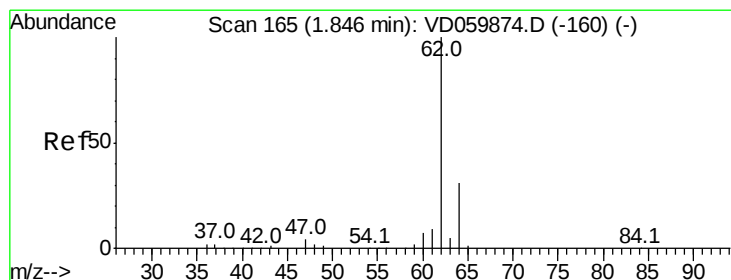
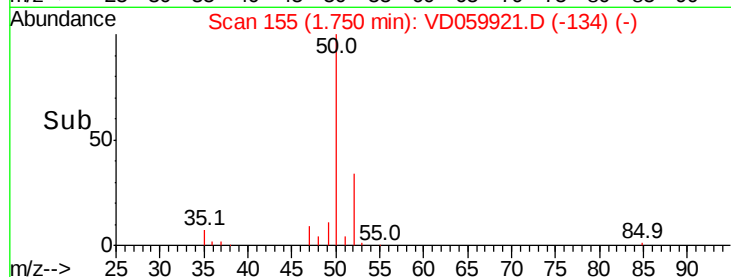
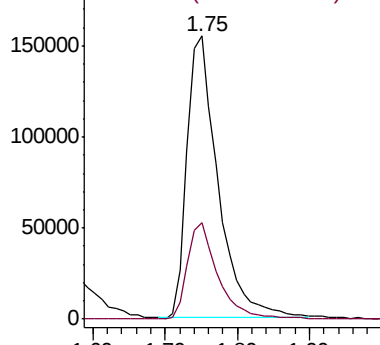
Ion Ratio Lower Upper

50 100

52 34.2 27.0 40.6



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



#4

Vinyl Chloride

Concen: 49.232 ug/l

RT: 1.84 min Scan# 164

Delta R.T. -0.01 min

Lab File: VD059921.D

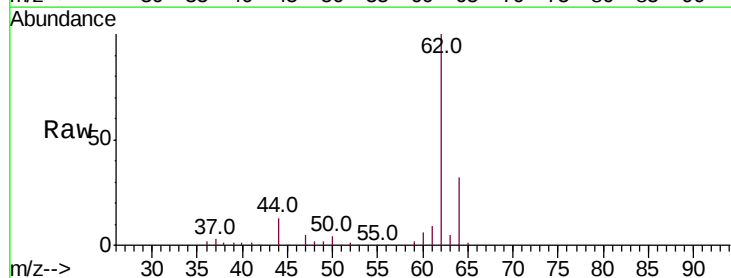
Acq: 30 Aug 2018 11:48

Tgt Ion: 62 Resp: 388733

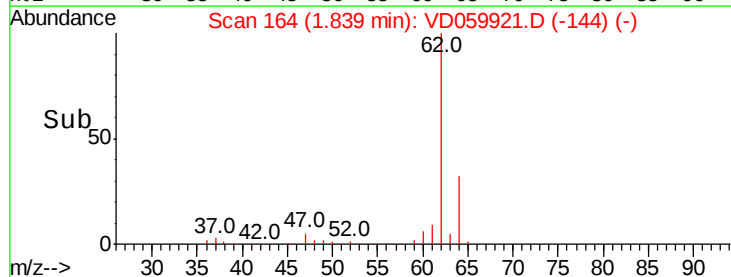
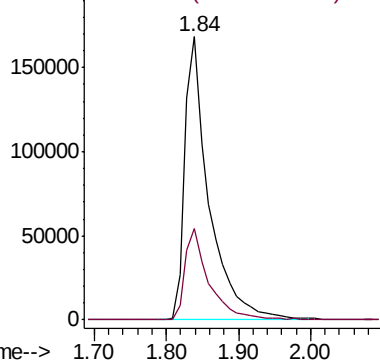
Ion Ratio Lower Upper

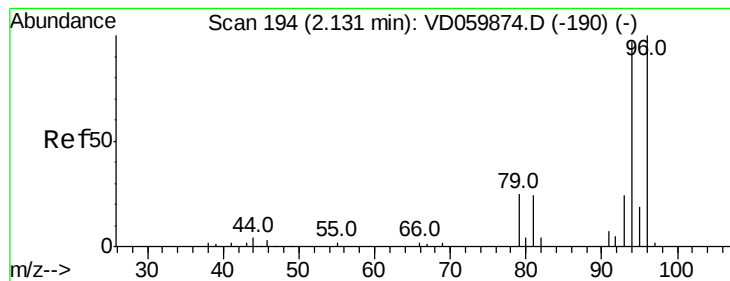
62 100

64 32.3 25.0 37.6



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





#5

Bromomethane

Concen: 43.667 ug/l

RT: 2.12 min Scan# 193

Delta R.T. -0.01 min

Lab File: VD059921.D

Acq: 30 Aug 2018 11:48

Instrument :

MSVOA_D

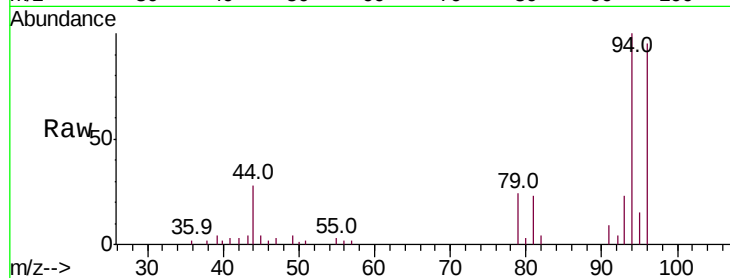
ClientSampleId :

Tot Ion: 94 Resp: 59529

Ion Ratio Lower Upper

94 100

96 94.6 82.4 123.6



Abundance Ion 93.90 (93.60 to 94.60): VDC

Ion 95.90 (95.60 to 96.60): VDC

2.12

25000

20000

15000

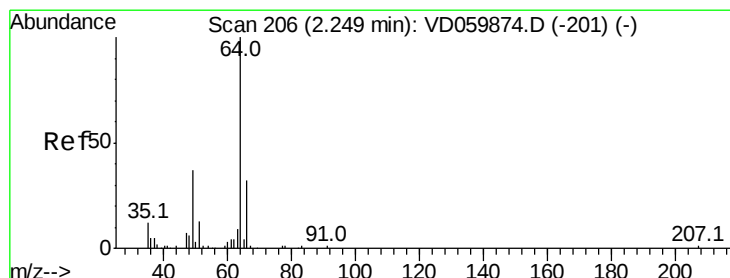
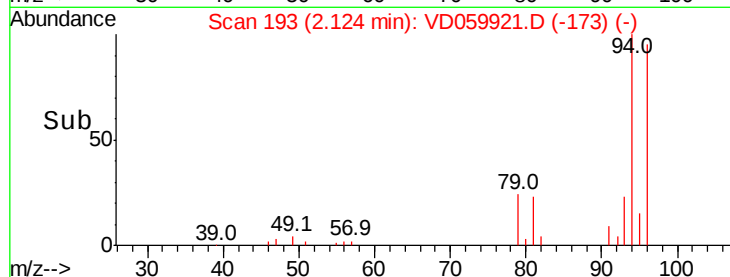
10000

5000

0

Time-->

2.10 2.20 2.30



#6

Chloroethane

Concen: 47.377 ug/l

RT: 2.24 min Scan# 205

Delta R.T. -0.01 min

Lab File: VD059921.D

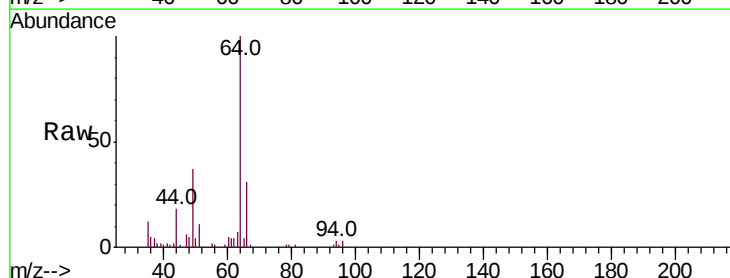
Acq: 30 Aug 2018 11:48

Tgt Ion: 64 Resp: 122343

Ion Ratio Lower Upper

64 100

66 30.9 25.3 37.9



Abundance Ion 63.95 (63.65 to 64.65): VDC

Ion 65.90 (65.60 to 66.60): VDC

2.24

50000

40000

30000

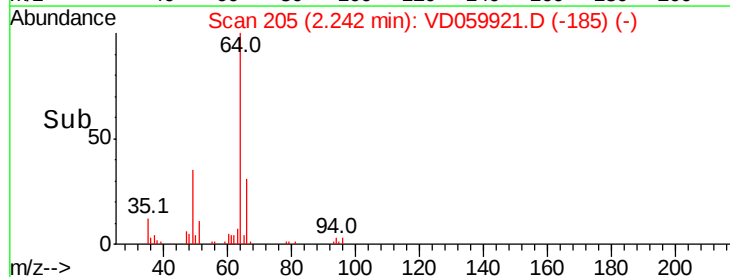
20000

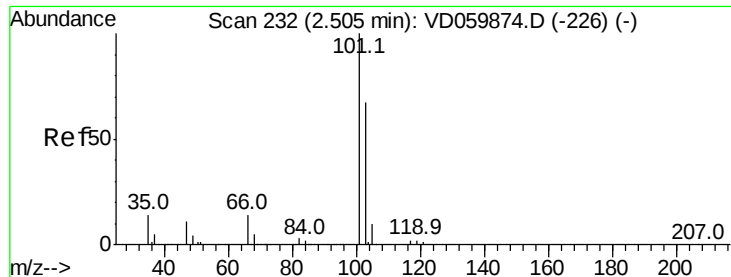
10000

0

Time-->

2.10 2.20 2.30 2.40



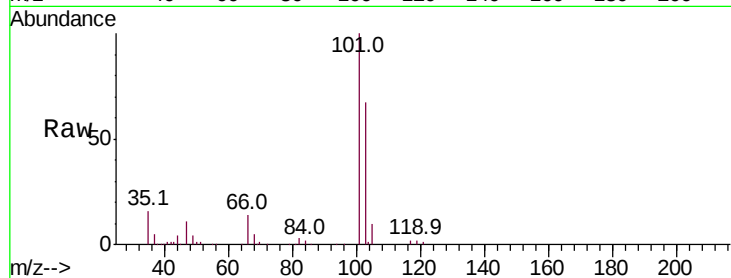


#7

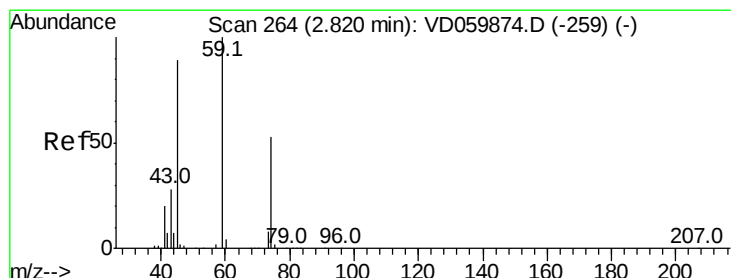
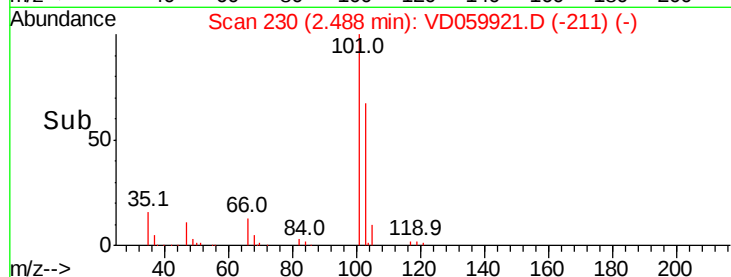
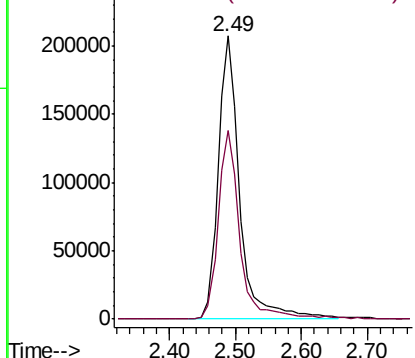
Trichlorofluoromethane
 Concen: 51.368 ug/l
 RT: 2.49 min Scan# 230
 Delta R.T. -0.02 min
 Lab File: VD059921.D
 Acq: 30 Aug 2018 11:48

Instrument :
 MSVOA_D
 ClientSampleId :

Tot Ion:101 Resp: 469234
 Ion Ratio Lower Upper
 101 100
 103 66.7 53.7 80.5



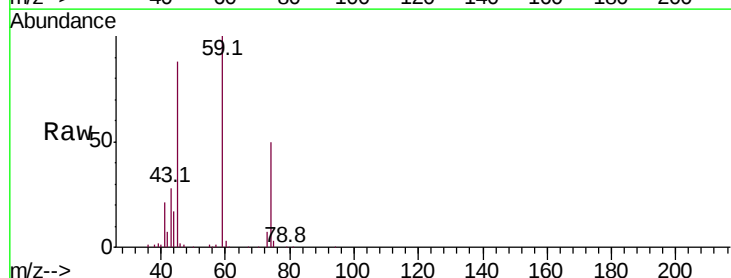
Abundance Ion 100.85 (100.55 to 101.55): V
 Ion 102.85 (102.55 to 103.55): V



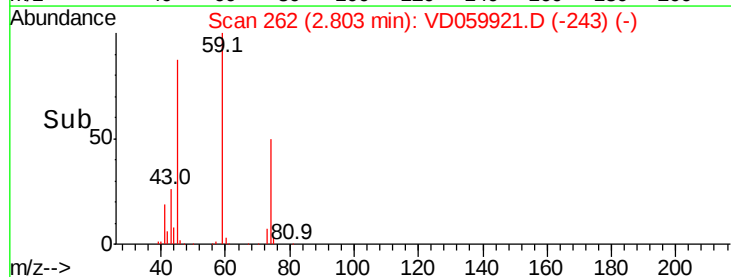
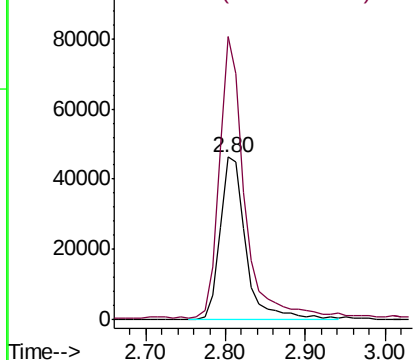
#8

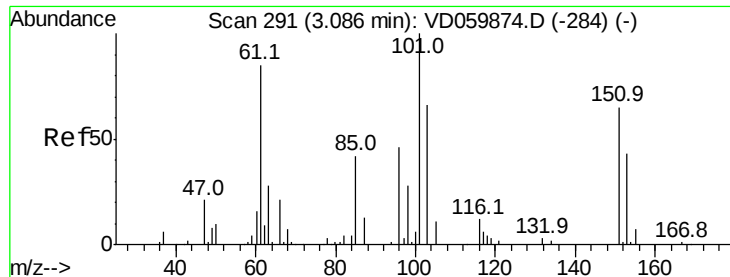
Diethyl Ether
 Concen: 51.877 ug/l
 RT: 2.80 min Scan# 262
 Delta R.T. -0.02 min
 Lab File: VD059921.D
 Acq: 30 Aug 2018 11:48

Tgt Ion: 74 Resp: 106314
 Ion Ratio Lower Upper
 74 100
 45 174.1 85.7 257.1



Abundance Ion 74.00 (73.70 to 74.70): VDC
 Ion 45.05 (44.75 to 45.75): VDC





#9

1,1,2-Trichlorotrifluoroethane

Concen: 52.779 ug/l

RT: 3.07 min Scan# 289

Delta R.T. -0.02 min

Lab File: VD059921.D

Acq: 30 Aug 2018 11:48

Instrument :

MSVOA_D

ClientSampleId :

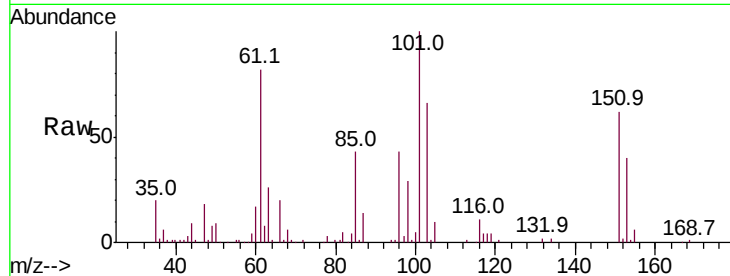
Tot Ion:101 Resp: 295263

Ion Ratio Lower Upper

101 100

85 42.6 33.6 50.4

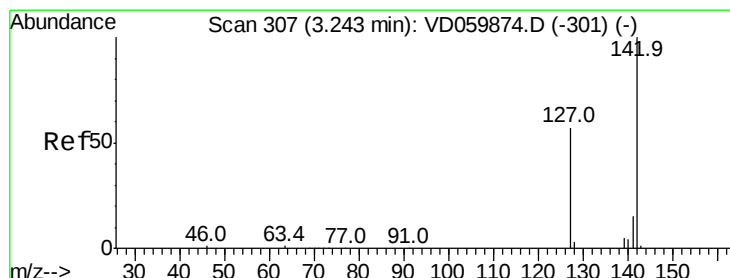
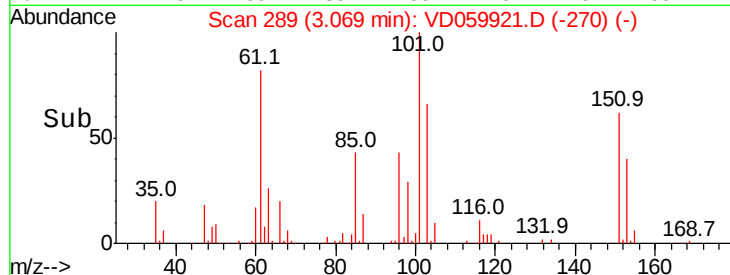
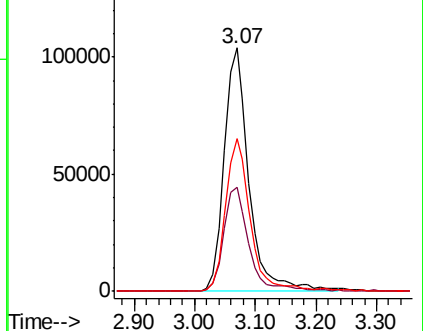
151 62.5 52.0 78.0



Abundance Ion 100.85 (100.55 to 101.55): V

Ion 84.95 (84.65 to 85.65): V

Ion 150.90 (150.60 to 151.60): V



#10

Methyl Iodide

Concen: 49.145 ug/l

RT: 3.23 min Scan# 305

Delta R.T. -0.02 min

Lab File: VD059921.D

Acq: 30 Aug 2018 11:48

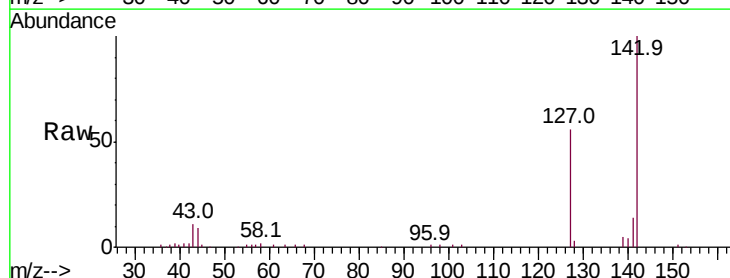
Tgt Ion:142 Resp: 292499

Ion Ratio Lower Upper

142 100

127 56.5 45.8 68.6

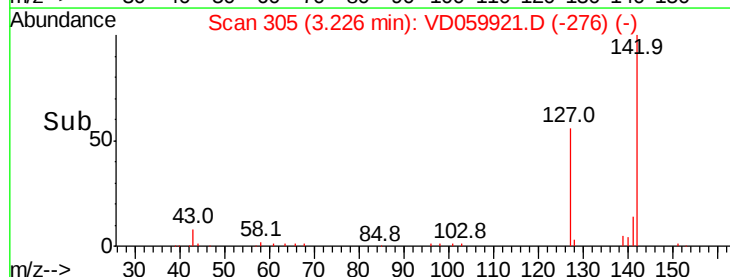
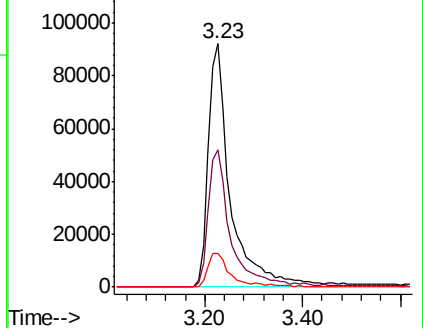
141 14.1 11.6 17.4

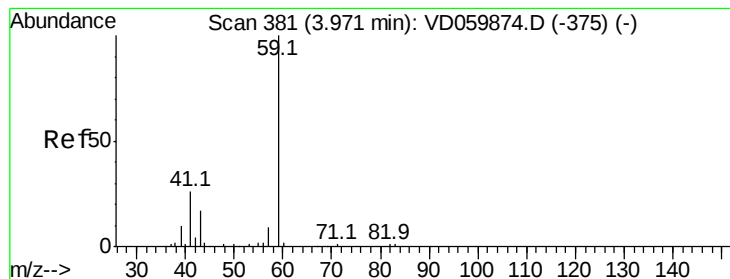


Abundance Ion 141.85 (141.55 to 142.55): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.85 (140.55 to 141.55): V



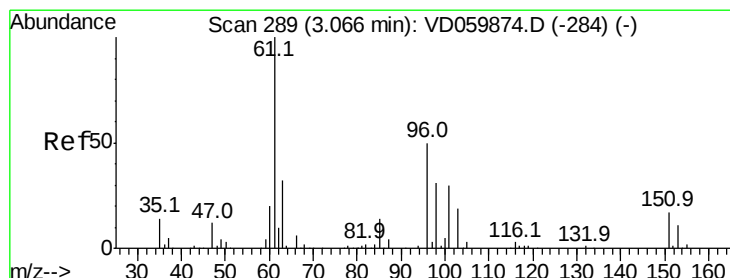
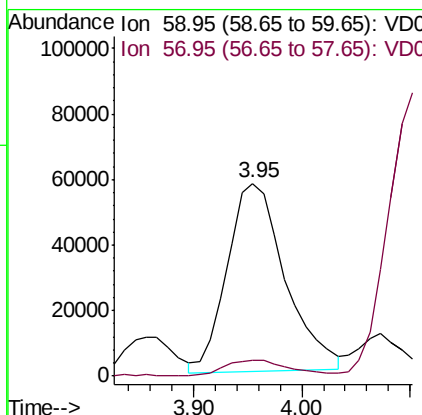
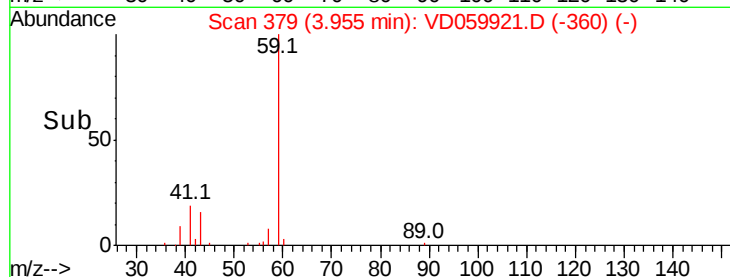
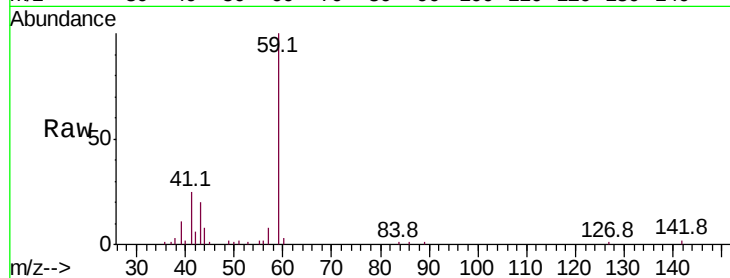


#11

Tert butyl alcohol
 Concen: 267.673 ug/l
 RT: 3.95 min Scan# 379
 Delta R.T. -0.02 min
 Lab File: VD059921.D
 Acq: 30 Aug 2018 11:48

Instrument :
 MSVOA_D
 ClientSampleId :

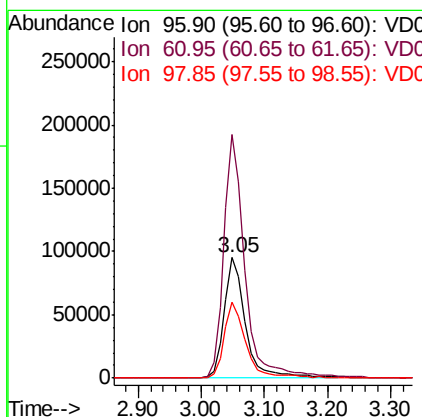
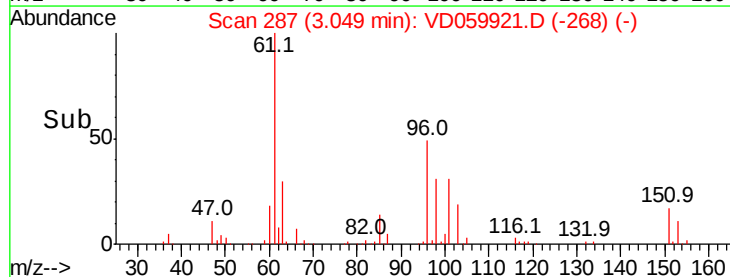
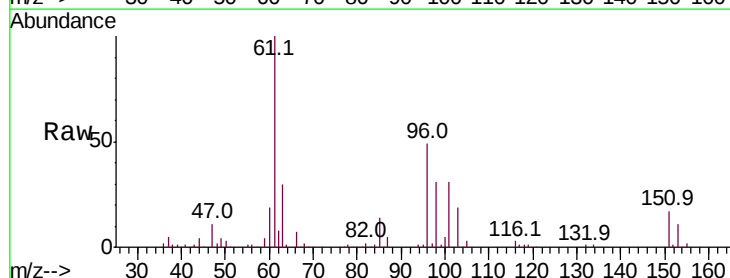
Tot Ion: 59 Resp: 214069
 Ion Ratio Lower Upper
 59 100
 57 8.5 7.4 11.0

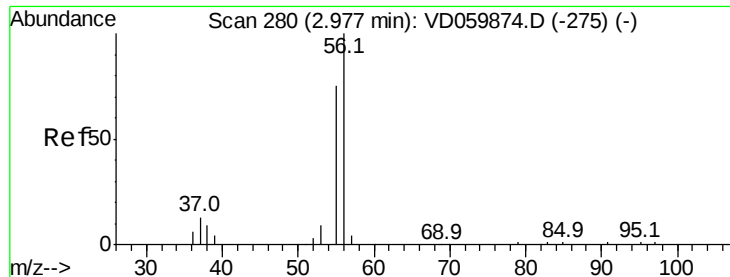


#12

1,1-Dichloroethene
 Concen: 51.906 ug/l
 RT: 3.05 min Scan# 287
 Delta R.T. -0.02 min
 Lab File: VD059921.D
 Acq: 30 Aug 2018 11:48

Tgt Ion: 96 Resp: 226052
 Ion Ratio Lower Upper
 96 100
 61 202.1 158.8 238.2
 98 63.5 48.7 73.1

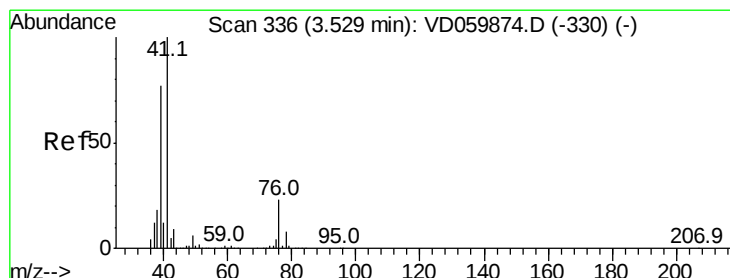
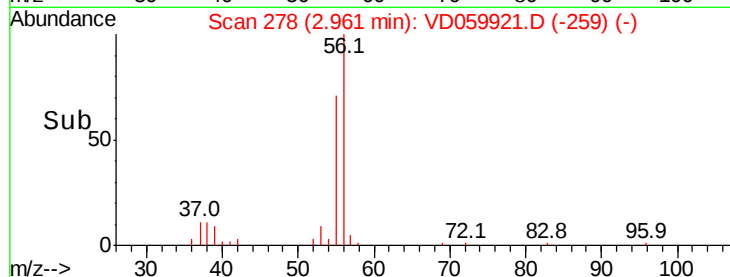
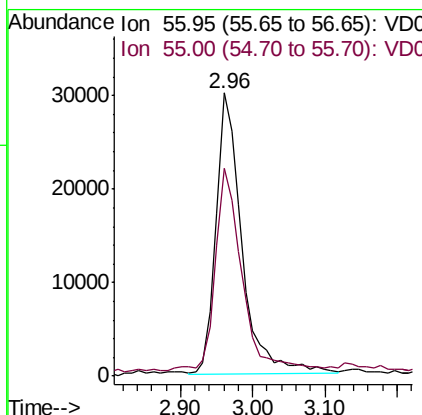
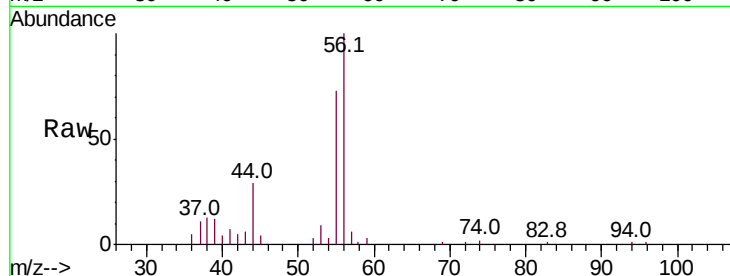




#13
Acrolein
Concen: 214.307 ug/l
RT: 2.96 min Scan# 278
Delta R.T. -0.02 min
Lab File: VD059921.D
Acq: 30 Aug 2018 11:48

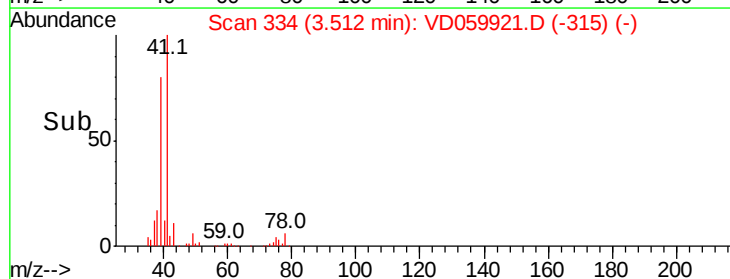
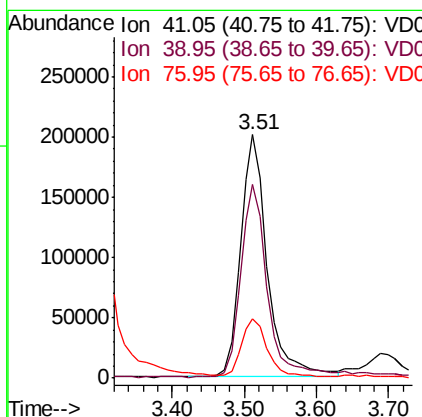
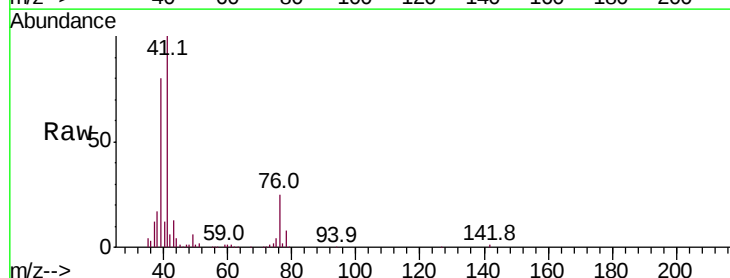
Instrument :
MSVOA_D
ClientSampleId :

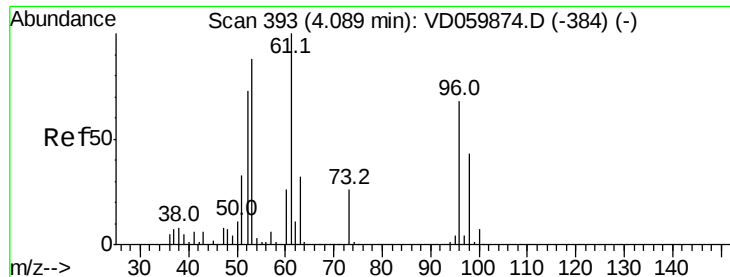
Tot Ion: 56 Resp: 74336
Ion Ratio Lower Upper
56 100
55 73.3 61.9 92.9



#14
Allyl chloride
Concen: 52.916 ug/l
RT: 3.51 min Scan# 334
Delta R.T. -0.02 min
Lab File: VD059921.D
Acq: 30 Aug 2018 11:48

Tgt Ion: 41 Resp: 521352
Ion Ratio Lower Upper
41 100
39 79.8 61.8 92.6
76 24.6 19.4 29.2





#15

Acrylonitrile

Concen: 266.418 ug/l

RT: 4.06 min Scan# 390

Delta R.T. -0.03 min

Lab File: VD059921.D

Acq: 30 Aug 2018 11:48

Instrument :
MSVOA_D
ClientSampleId :

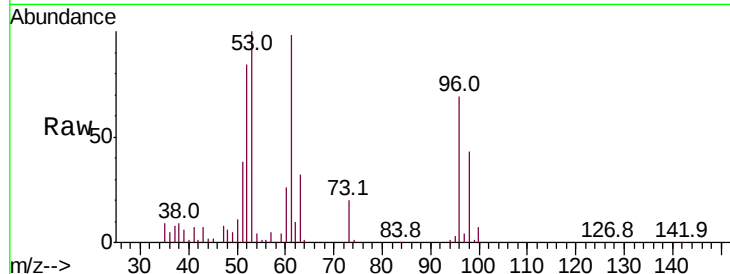
Tot Ion: 53 Resp: 797879

Ion Ratio Lower Upper

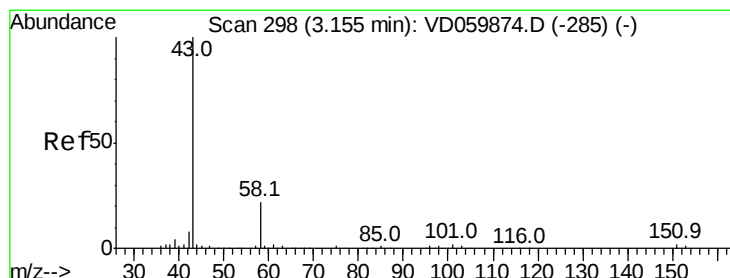
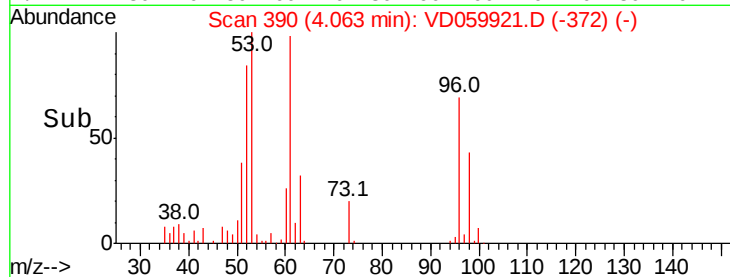
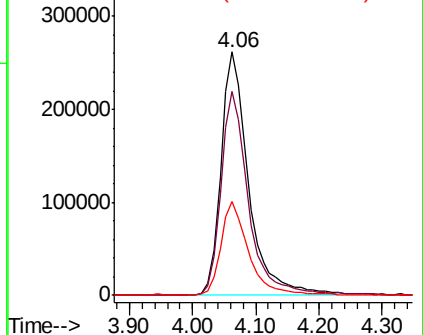
53 100

52 83.7 66.9 100.3

51 38.4 30.3 45.5



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



#16

Acetone

Concen: 299.585 ug/l

RT: 3.14 min Scan# 296

Delta R.T. -0.02 min

Lab File: VD059921.D

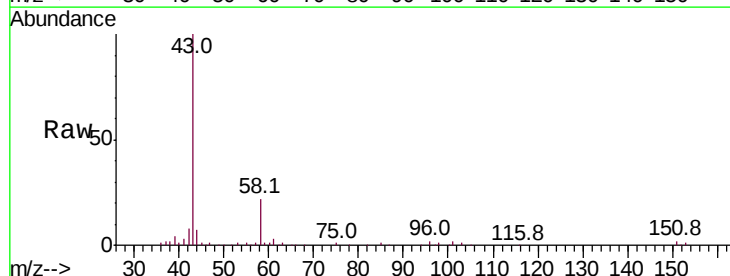
Acq: 30 Aug 2018 11:48

Tgt Ion: 43 Resp: 572075

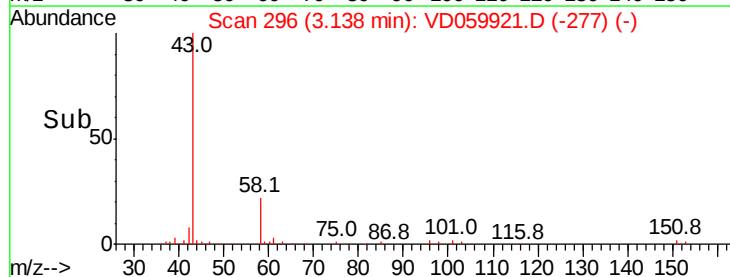
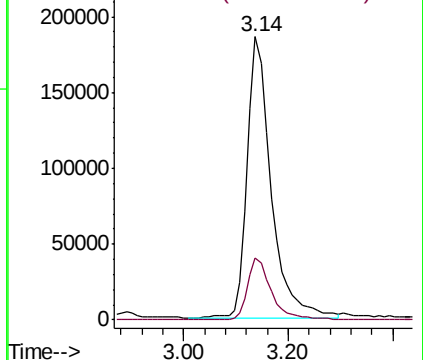
Ion Ratio Lower Upper

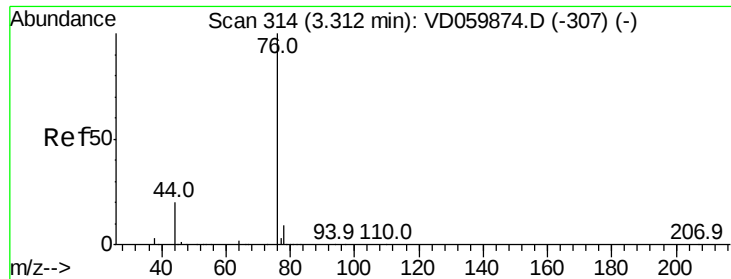
43 100

58 21.7 17.6 26.4



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

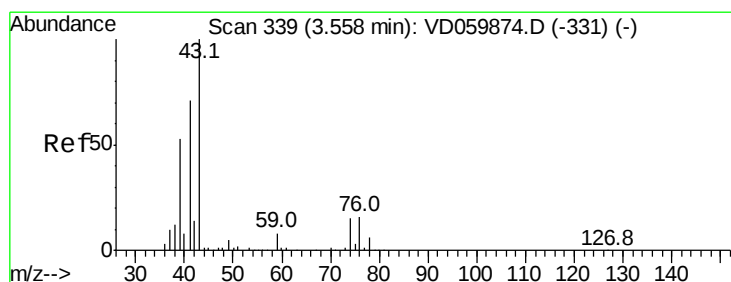
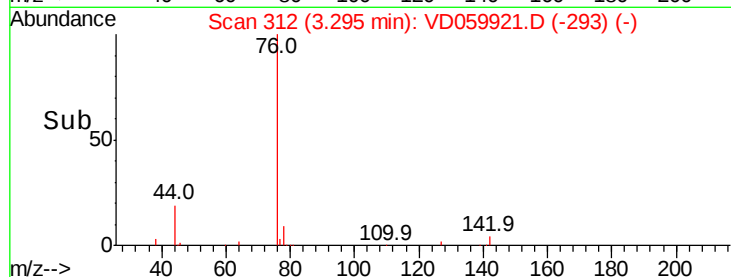
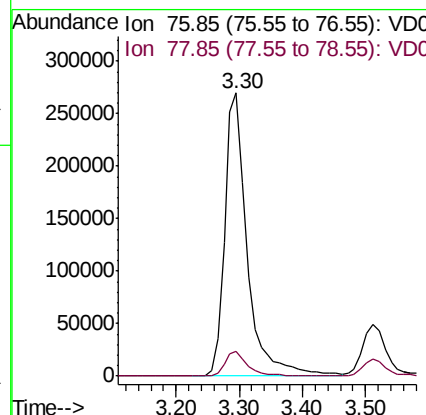
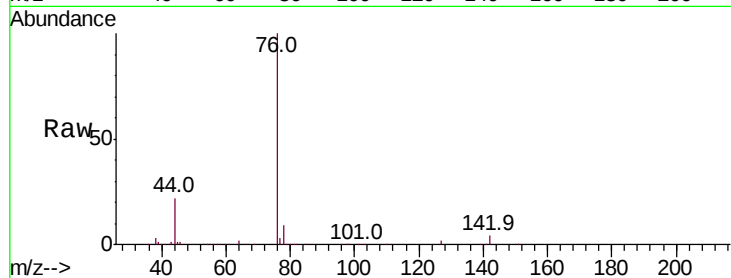




#17
Carbon Disulfide
Concen: 49.832 ug/l
RT: 3.30 min Scan# 312
Delta R.T. -0.02 min
Lab File: VD059921.D
Acq: 30 Aug 2018 11:48

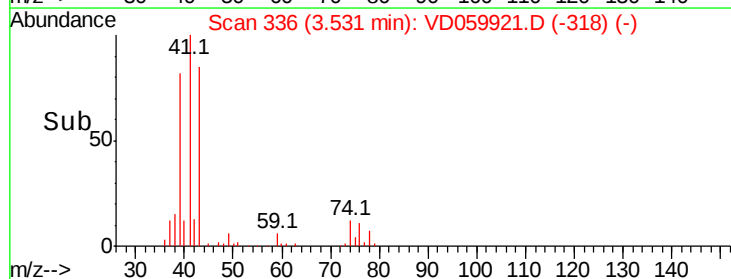
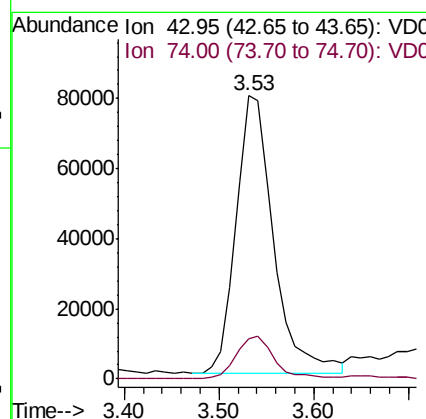
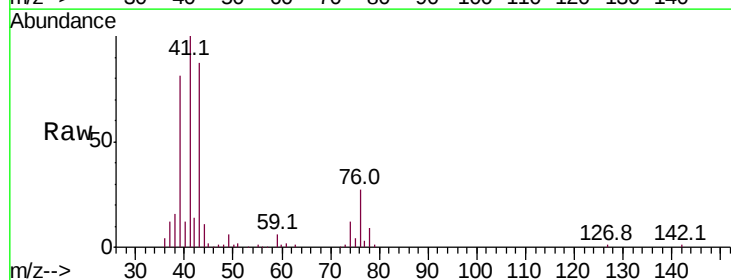
Instrument :
MSVOA_D
ClientSampleId :

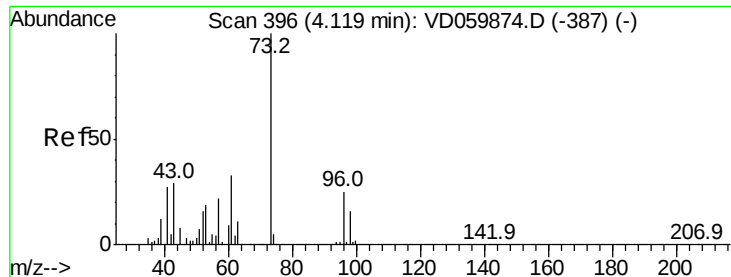
Tot Ion: 76 Resp: 673639
Ion Ratio Lower Upper
76 100
78 9.0 7.4 11.2



#18
Methyl Acetate
Concen: 54.380 ug/l
RT: 3.53 min Scan# 336
Delta R.T. -0.03 min
Lab File: VD059921.D
Acq: 30 Aug 2018 11:48

Tgt Ion: 43 Resp: 216775
Ion Ratio Lower Upper
43 100
74 14.1 11.2 16.8

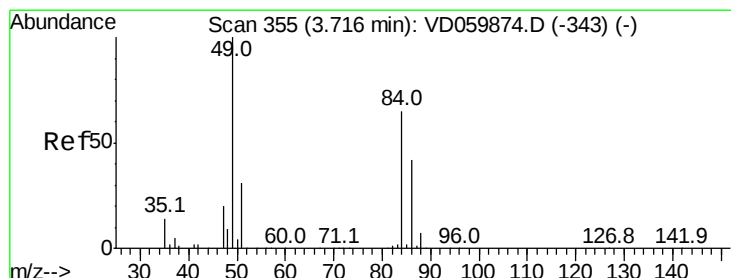
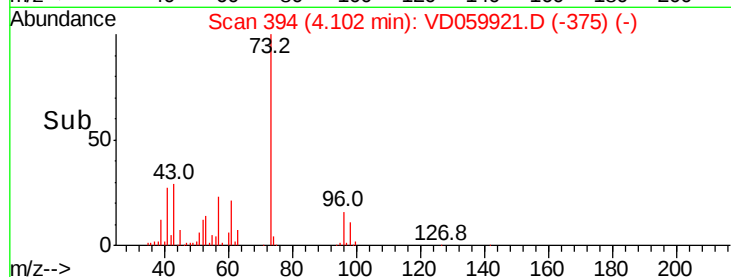
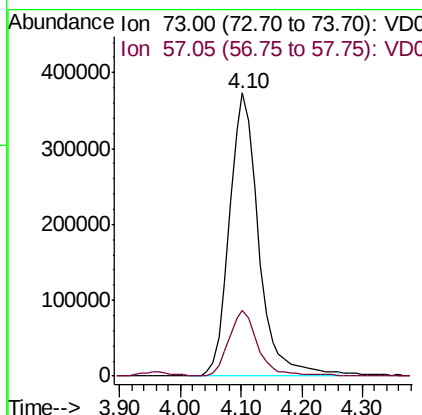
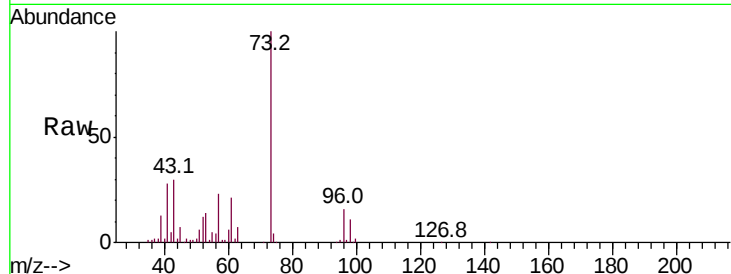




#19
Methyl tert-butyl Ether
Concen: 50.824 ug/l
RT: 4.10 min Scan# 394
Delta R.T. -0.02 min
Lab File: VD059921.D
Acq: 30 Aug 2018 11:48

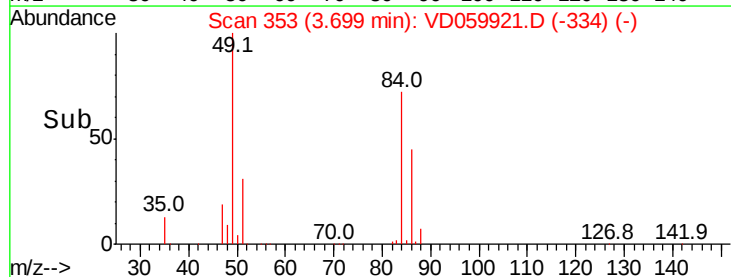
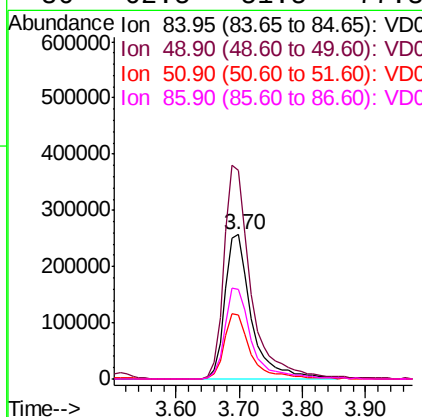
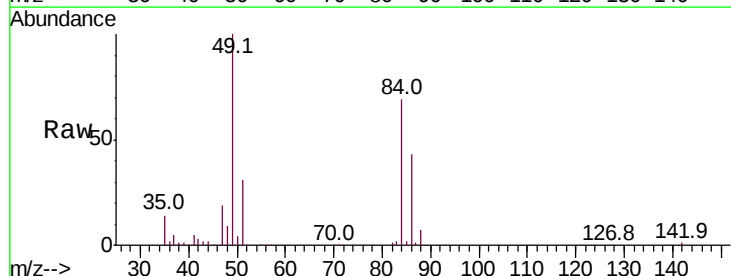
Instrument :
MSVOA_D
ClientSampleId :

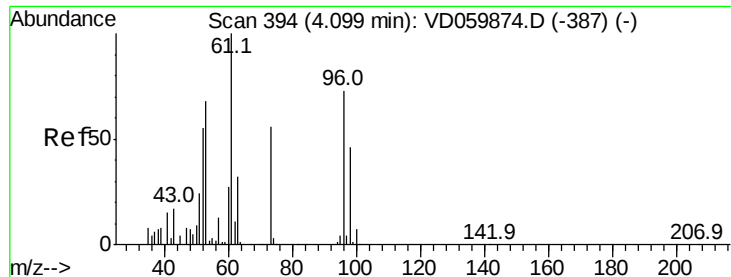
Tot Ion: 73 Resp: 1252136
Ion Ratio Lower Upper
73 100
57 23.2 17.9 26.9



#20
Methylene Chloride
Concen: 59.665 ug/l
RT: 3.70 min Scan# 353
Delta R.T. -0.02 min
Lab File: VD059921.D
Acq: 30 Aug 2018 11:48

Tgt Ion: 84 Resp: 751261
Ion Ratio Lower Upper
84 100
49 144.4 122.6 183.8
51 44.6 38.4 57.6
86 62.5 51.5 77.3





#21

trans-1,2-Dichloroethene

Concen: 51.035 ug/l

RT: 4.07 min Scan# 391

Delta R.T. -0.03 min

Lab File: VD059921.D

Acq: 30 Aug 2018 11:48

Instrument :
MSVOA_D
ClientSampled :

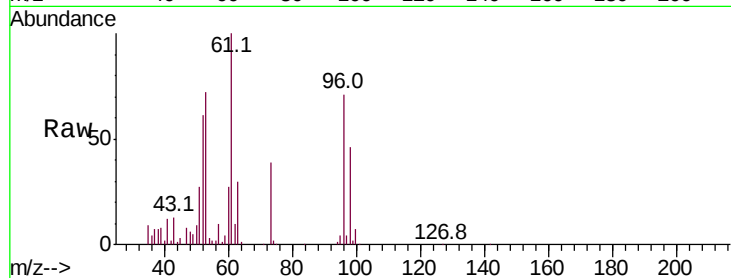
Tot Ion: 96 Resp: 612379

Ion Ratio Lower Upper

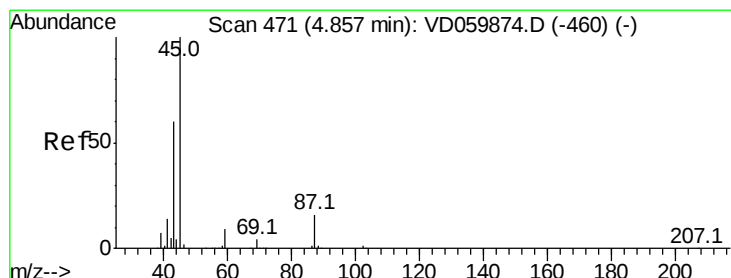
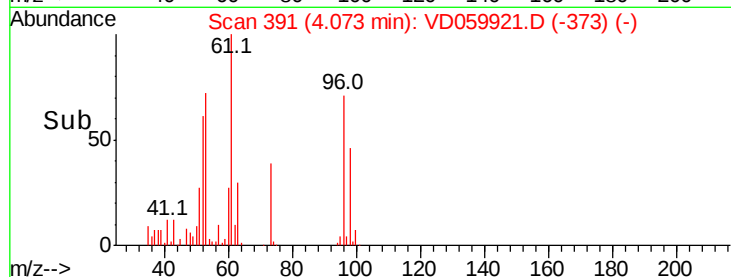
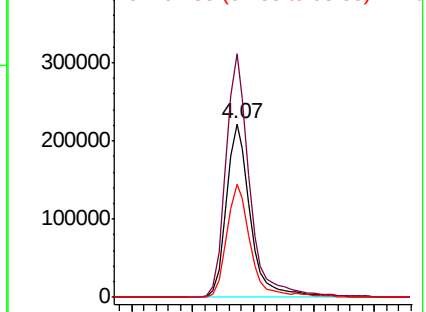
96 100

61 140.0 110.2 165.4

98 64.8 50.9 76.3



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



#22

Diisopropyl ether

Concen: 51.453 ug/l

RT: 4.84 min Scan# 469

Delta R.T. -0.02 min

Lab File: VD059921.D

Acq: 30 Aug 2018 11:48

Tgt Ion: 45 Resp: 2585378

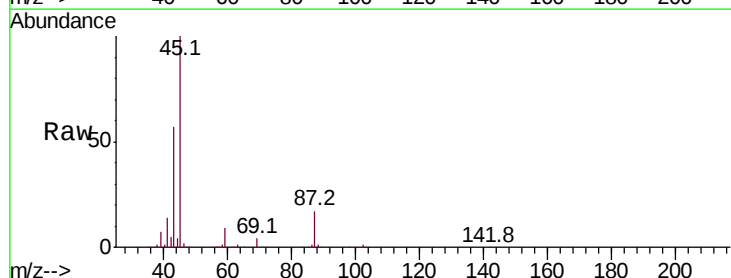
Ion Ratio Lower Upper

45 100

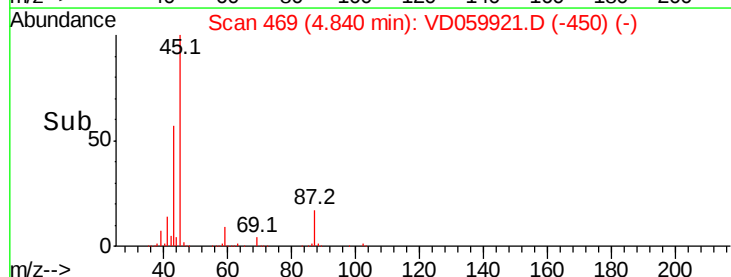
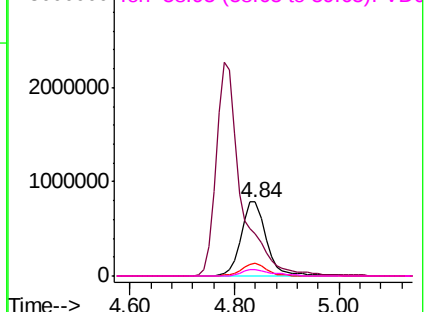
43 56.7 48.6 72.8

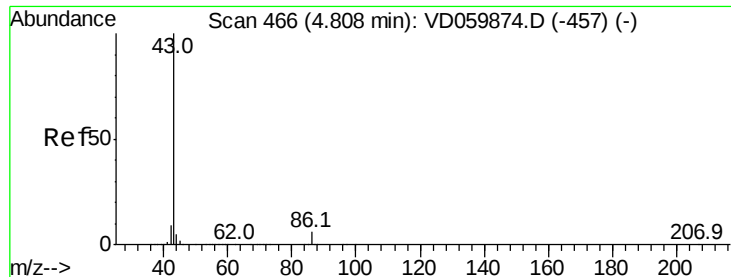
87 17.0 13.3 19.9

59 8.9 7.1 10.7



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





#23

Vinyl Acetate

Concen: 264.433 ug/l

RT: 4.78 min Scan# 463

Delta R.T. -0.03 min

Lab File: VD059921.D

Acq: 30 Aug 2018 11:48

Instrument :

MSVOA_D

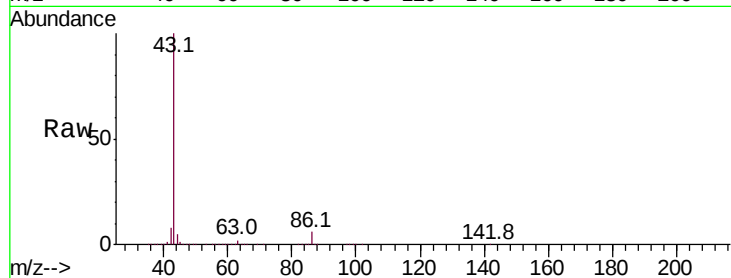
ClientSampleId :

Tot Ion: 43 Resp: 7427630

Ion Ratio Lower Upper

43 100

86 6.4 5.0 7.6



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 86.00 (85.70 to 86.70): VDC

2500000

2000000

1500000

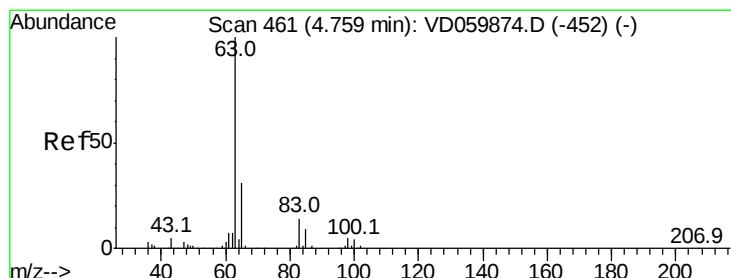
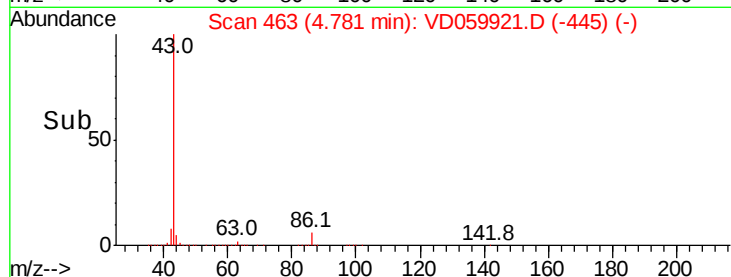
1000000

500000

0

4.60 4.80 5.00

Time-->



#24

1,1-Dichloroethane

Concen: 51.259 ug/l

RT: 4.73 min Scan# 458

Delta R.T. -0.03 min

Lab File: VD059921.D

Acq: 30 Aug 2018 11:48

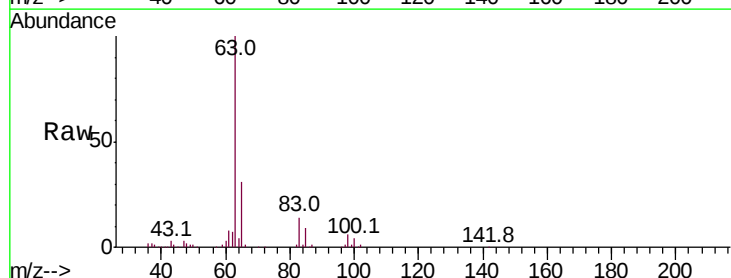
Tgt Ion: 63 Resp: 1112716

Ion Ratio Lower Upper

63 100

98 5.7 2.7 8.1

100 3.6 1.8 5.3



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

500000

400000

300000

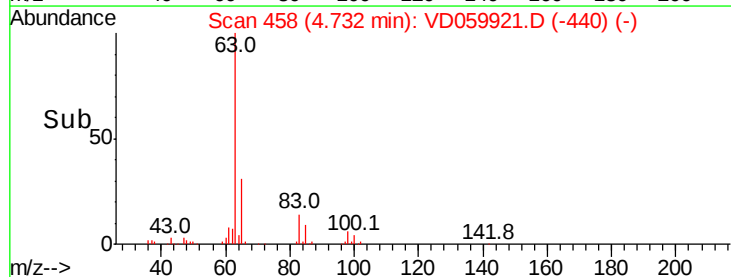
200000

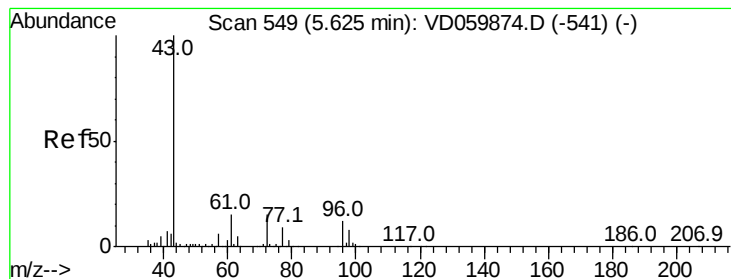
100000

0

4.60 4.70 4.80 4.90

Time-->





#25

2-Butanone

Concen: 283.496 ug/l

RT: 5.61 min Scan# 547

Delta R.T. -0.02 min

Lab File: VD059921.D

Acq: 30 Aug 2018 11:48

Instrument :

MSVOA_D

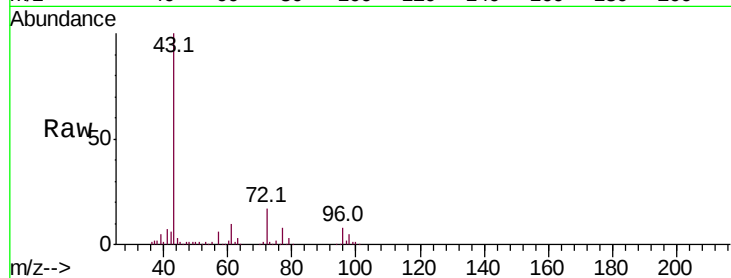
ClientSampleId :

Tot Ion: 43 Resp: 1603318

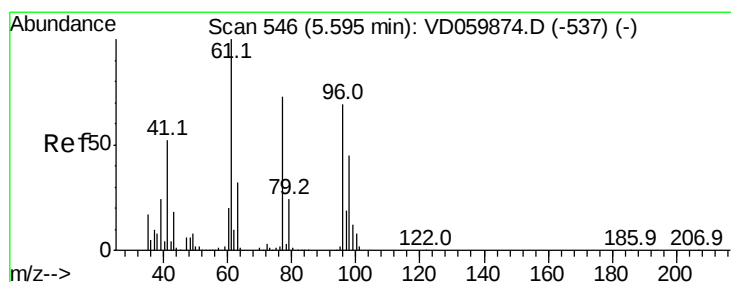
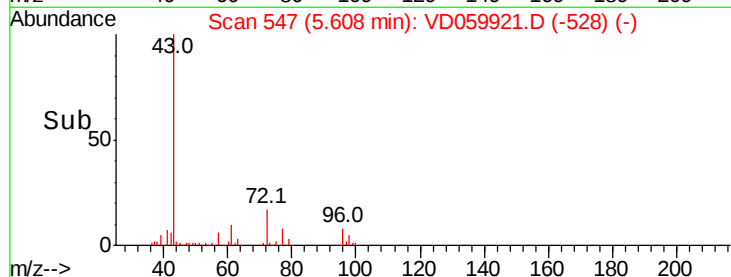
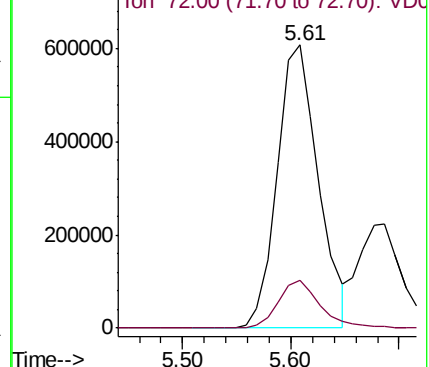
Ion Ratio Lower Upper

43 100

72 16.8 12.3 18.5



Abundance Ion 42.95 (42.65 to 43.65): VDC



#26

2,2-Dichloropropane

Concen: 50.511 ug/l

RT: 5.57 min Scan# 543

Delta R.T. -0.03 min

Lab File: VD059921.D

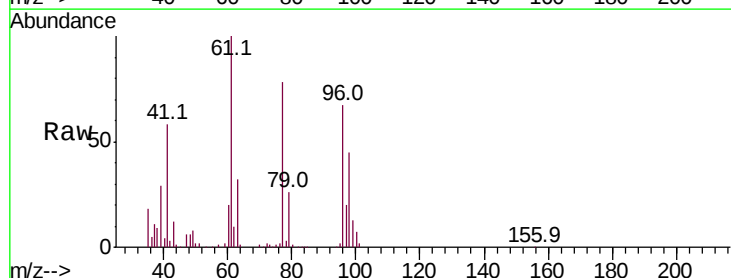
Acq: 30 Aug 2018 11:48

Tgt Ion: 77 Resp: 916613

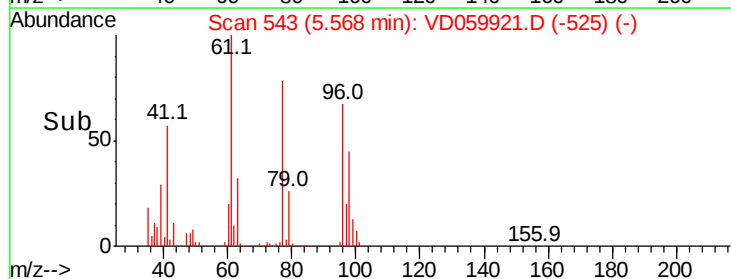
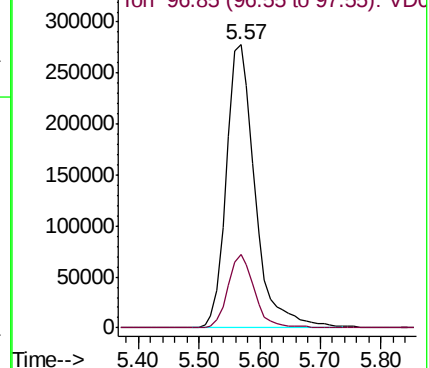
Ion Ratio Lower Upper

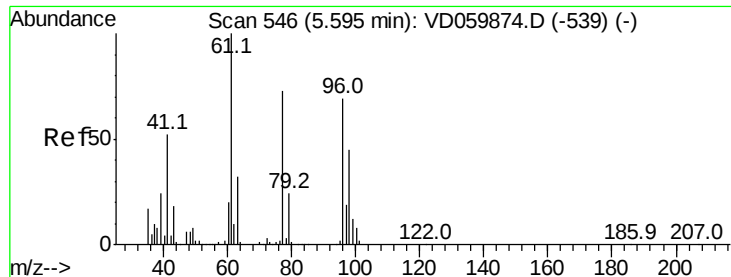
77 100

97 25.9 13.0 38.9



Abundance Ion 76.95 (76.65 to 77.65): VDC





#27

cis-1,2-Dichloroethene

Concen: 52.439 ug/l

RT: 5.58 min Scan# 544

Delta R.T. -0.02 min

Lab File: VD059921.D

Acq: 30 Aug 2018 11:48

Instrument :

MSVOA_D

ClientSampleId :

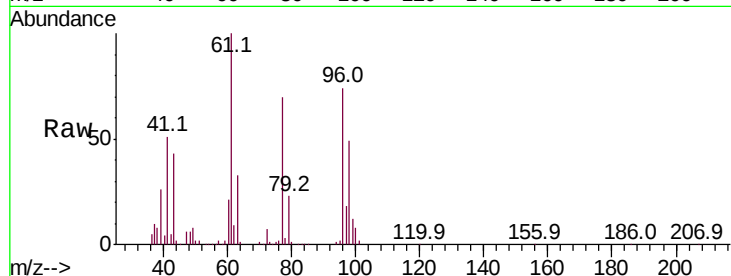
Tot Ion: 96 Resp: 688939

Ion Ratio Lower Upper

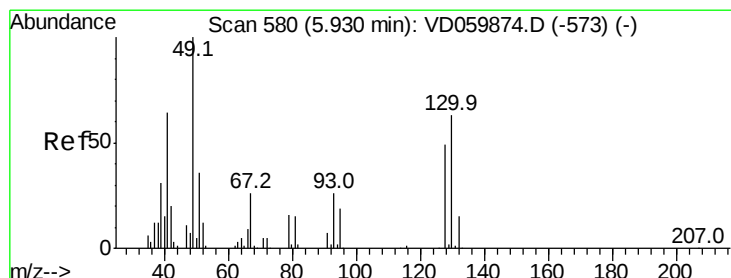
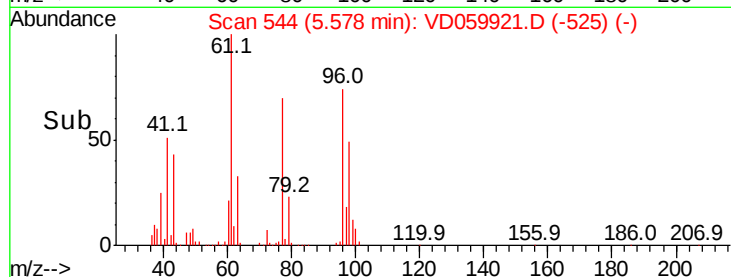
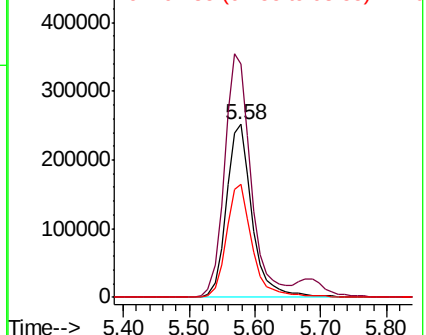
96 100

61 134.6 0.0 290.2

98 65.7 0.0 130.4



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



#28

Bromochloromethane

Concen: 50.987 ug/l

RT: 5.90 min Scan# 577

Delta R.T. -0.03 min

Lab File: VD059921.D

Acq: 30 Aug 2018 11:48

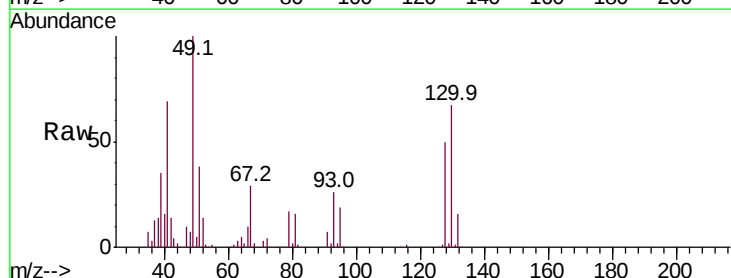
Tgt Ion: 49 Resp: 530450

Ion Ratio Lower Upper

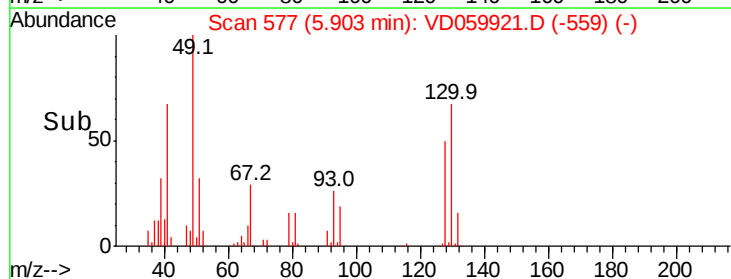
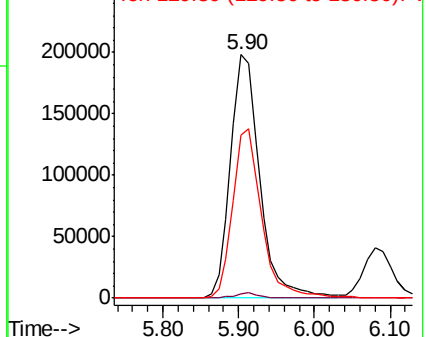
49 100

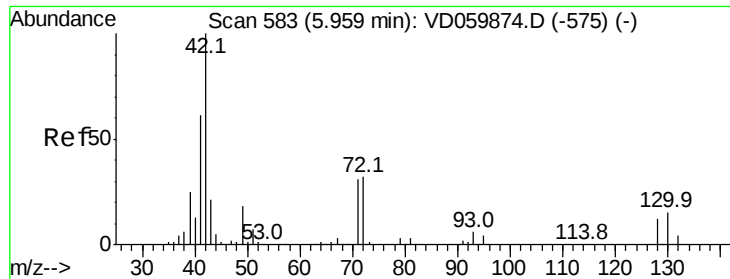
129 1.8 0.0 3.2

130 67.1 50.6 75.8



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

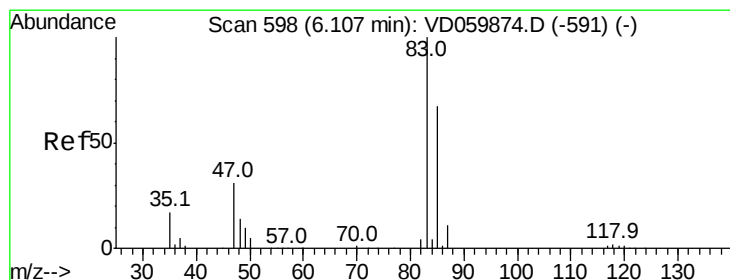
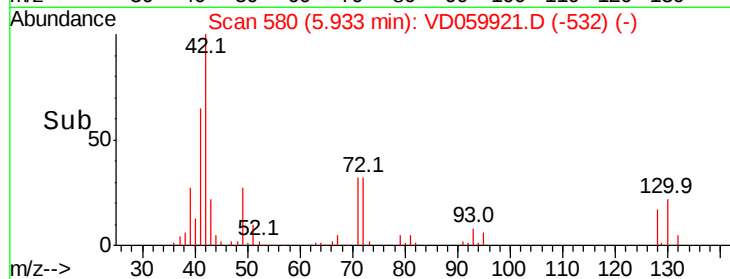
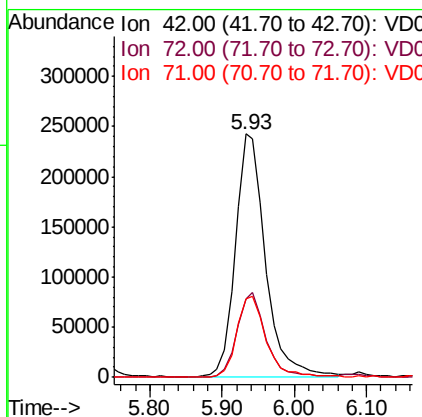
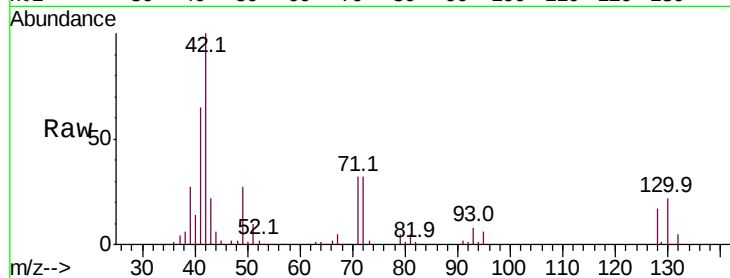




#29
Tetrahydrofuran
Concen: 260.861 ug/l
RT: 5.93 min Scan# 580
Delta R.T. -0.03 min
Lab File: VD059921.D
Acq: 30 Aug 2018 11:48

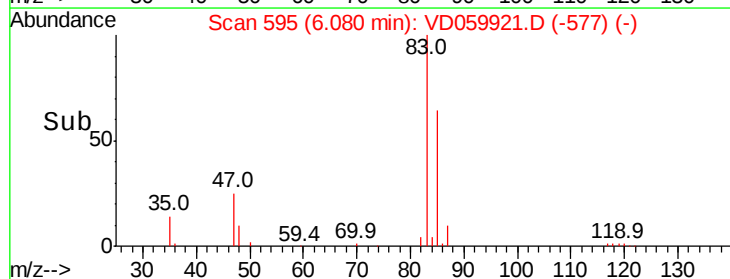
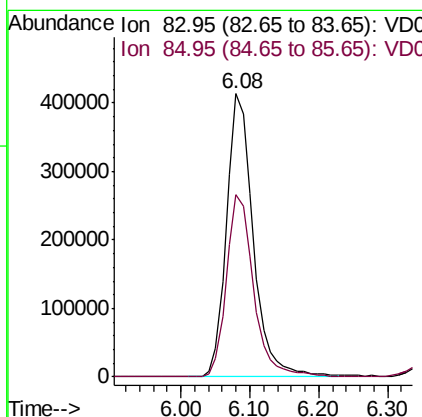
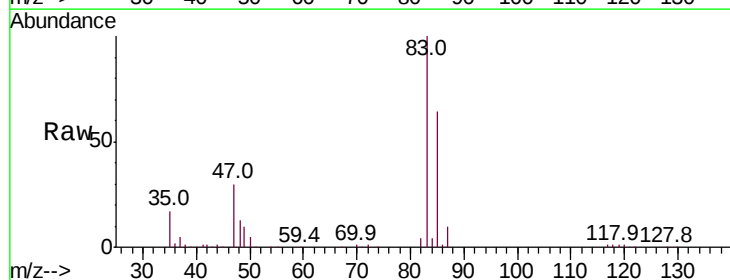
Instrument :
MSVOA_D
ClientSampled :

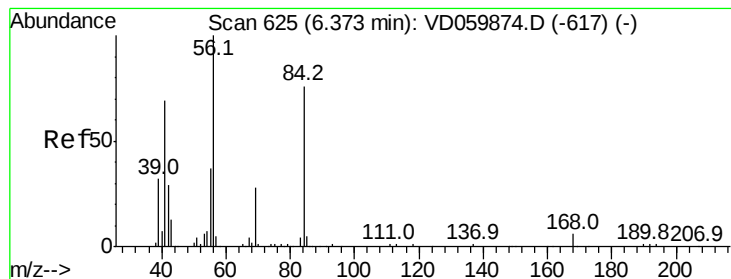
Tot Ion: 42 Resp: 702357
Ion Ratio Lower Upper
42 100
72 33.4 25.7 38.5
71 32.9 25.3 37.9



#30
Chloroform
Concen: 50.457 ug/l
RT: 6.08 min Scan# 595
Delta R.T. -0.03 min
Lab File: VD059921.D
Acq: 30 Aug 2018 11:48

Tgt Ion: 83 Resp: 1113125
Ion Ratio Lower Upper
83 100
85 64.4 53.5 80.3





#31

Cyclohexane

Concen: 47.566 ug/l

RT: 6.35 min Scan# 622

Delta R.T. -0.03 min

Lab File: VD059921.D

Acq: 30 Aug 2018 11:48

Instrument :
MSVOA_D
ClientSampleId :

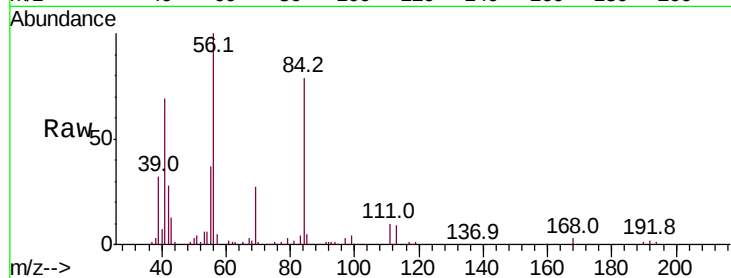
Tot Ion: 56 Resp: 949245

Ion Ratio Lower Upper

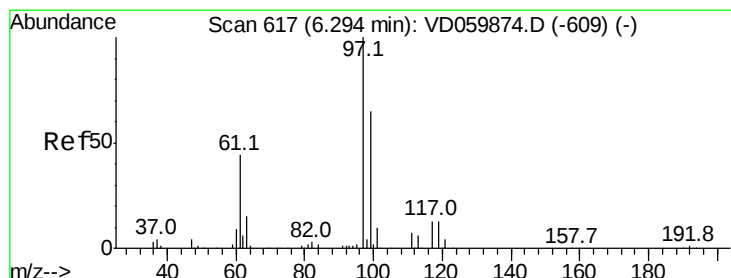
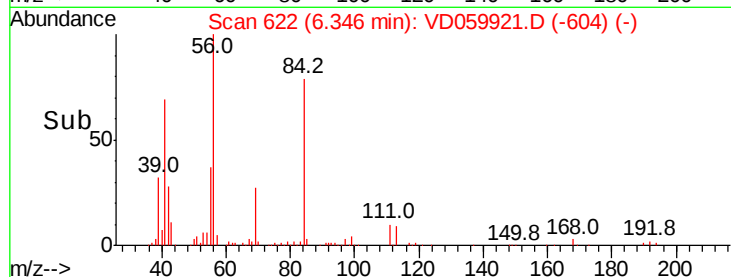
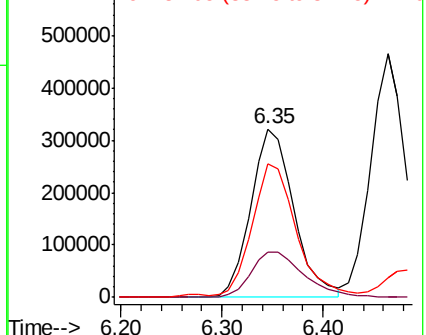
56 100

69 27.2 22.4 33.6

84 79.2 62.1 93.1



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



#32

1,1,1-Trichloroethane

Concen: 50.259 ug/l

RT: 6.28 min Scan# 615

Delta R.T. -0.02 min

Lab File: VD059921.D

Acq: 30 Aug 2018 11:48

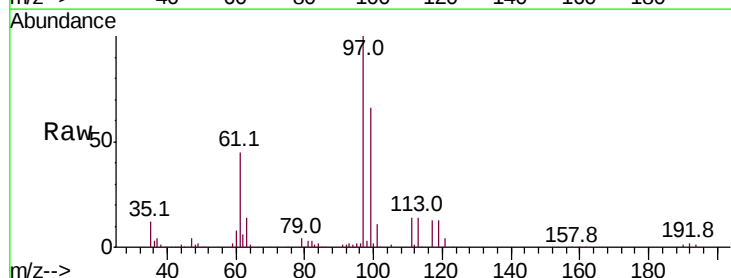
Tgt Ion: 97 Resp: 941030

Ion Ratio Lower Upper

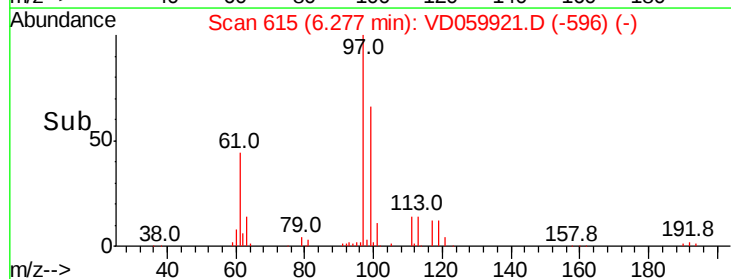
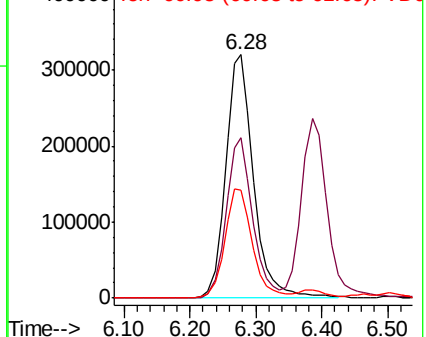
97 100

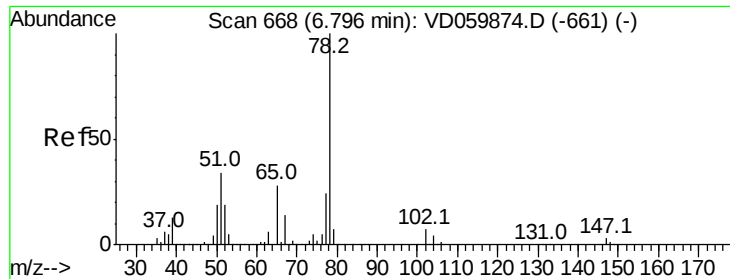
99 65.9 51.7 77.5

61 44.6 35.4 53.2



Abundance Ion 96.85 (96.55 to 97.55): VDC
Ion 98.85 (98.55 to 99.55): VDC
Ion 60.95 (60.65 to 61.65): VDC





#33

1,2-Dichloroethane-d4

Concen: 50.259 ug/l

RT: 6.77 min Scan# 665

Delta R.T. -0.03 min

Lab File: VD059921.D

Acq: 30 Aug 2018 11:48

Instrument :

MSVOA_D

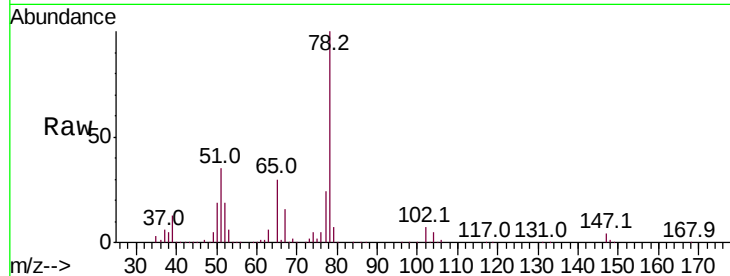
ClientSampleId :

Tot Ion: 65 Resp: 536449

Ion Ratio Lower Upper

65 100

67 52.1 0.0 103.8



Abundance Ion 64.95 (64.65 to 65.65): VDC

Ion 66.90 (66.60 to 67.60): VDC

250000

200000

150000

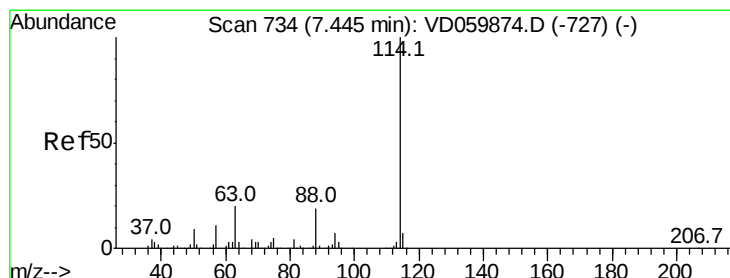
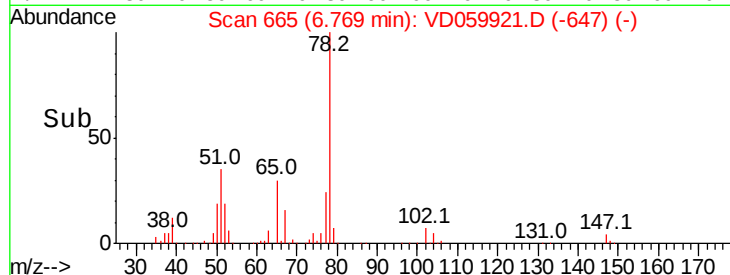
100000

50000

0

6.70 6.80 6.90

Time-->



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 7.43 min Scan# 732

Delta R.T. -0.02 min

Lab File: VD059921.D

Acq: 30 Aug 2018 11:48

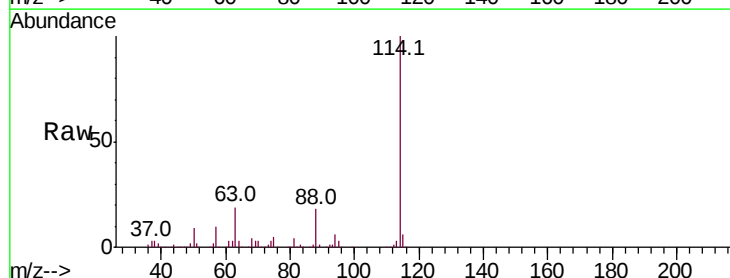
Tgt Ion:114 Resp: 1710569

Ion Ratio Lower Upper

114 100

63 18.5 0.0 39.4

88 18.4 0.0 37.6



Abundance Ion 114.00 (113.70 to 114.70): V

Ion 62.95 (62.65 to 63.65): VDC

Ion 87.90 (87.60 to 88.60): VDC

1000000

800000

600000

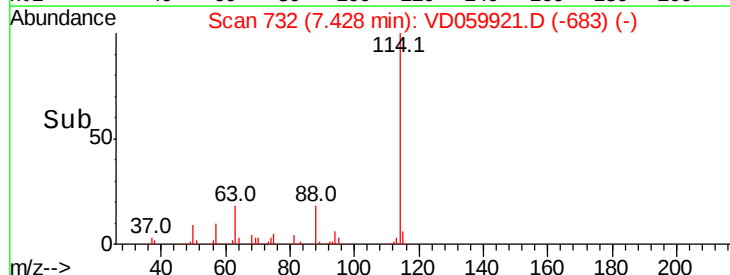
400000

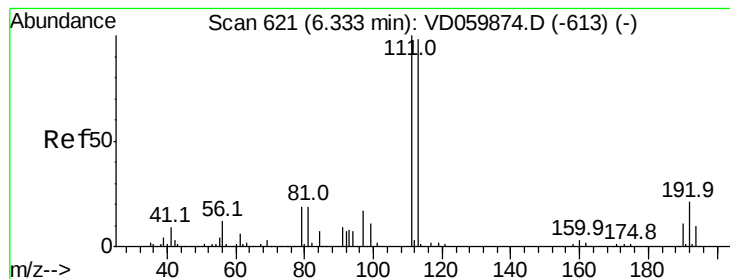
200000

0

7.40 7.60

Time-->





#35

Dibromofluoromethane

Concen: 50.000 ug/l

RT: 6.31 min Scan# 618

Delta R.T. -0.03 min

Lab File: VD059921.D

Acq: 30 Aug 2018 11:48

Instrument :

MSVOA_D

ClientSampleId :

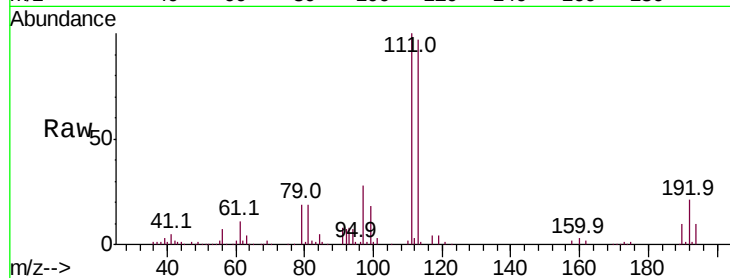
Tot Ion:113 Resp: 689437

Ion Ratio Lower Upper

113 100

111 103.1 81.4 122.2

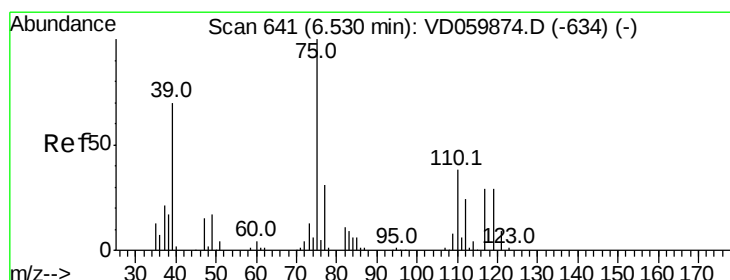
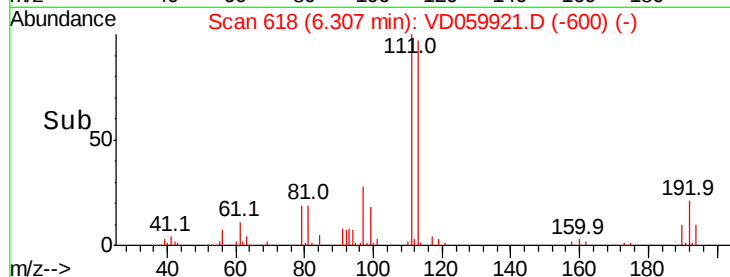
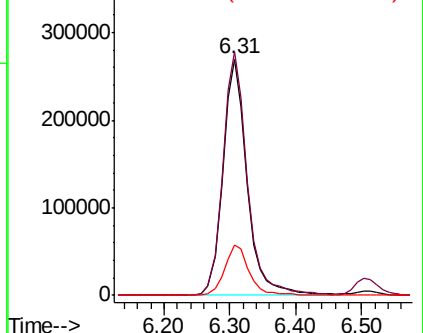
192 21.2 17.0 25.6



Abundance Ion 112.90 (112.60 to 113.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 191.80 (191.50 to 192.50): V



#36

1,1-Dichloropropene

Concen: 52.287 ug/l

RT: 6.50 min Scan# 638

Delta R.T. -0.03 min

Lab File: VD059921.D

Acq: 30 Aug 2018 11:48

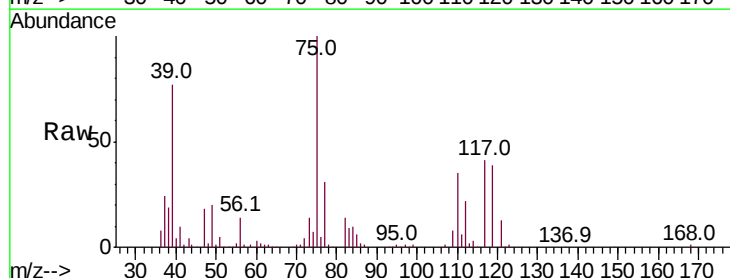
Tgt Ion: 75 Resp: 810789

Ion Ratio Lower Upper

75 100

110 35.3 18.6 56.0

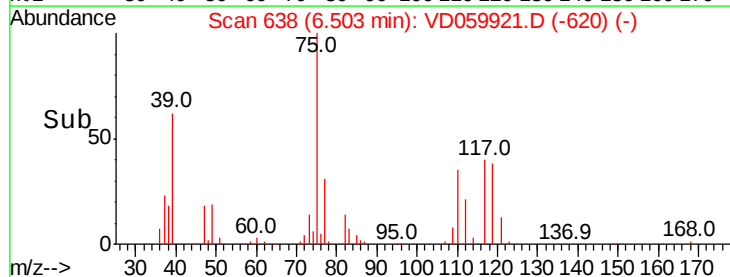
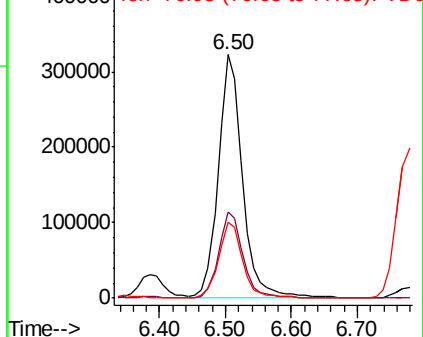
77 31.1 25.1 37.7

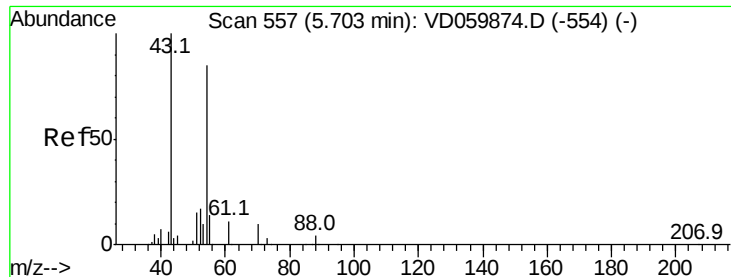


Abundance Ion 75.00 (74.70 to 75.70): V

Ion 109.90 (109.60 to 110.60): V

Ion 76.95 (76.65 to 77.65): V

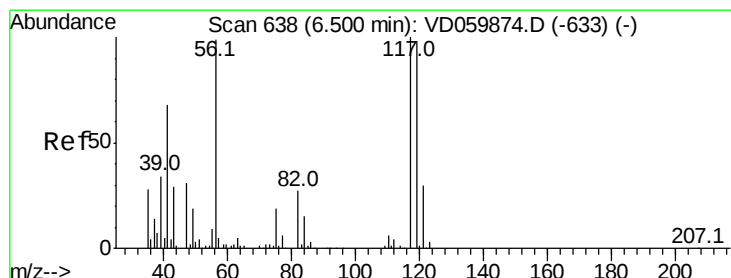
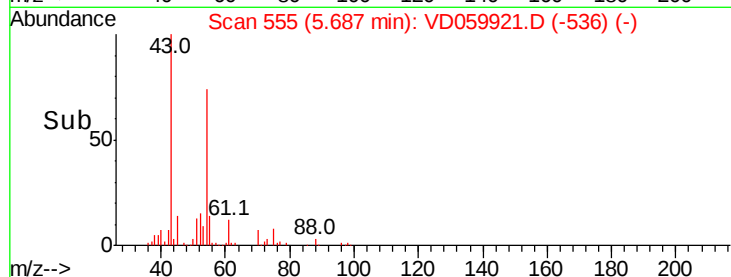
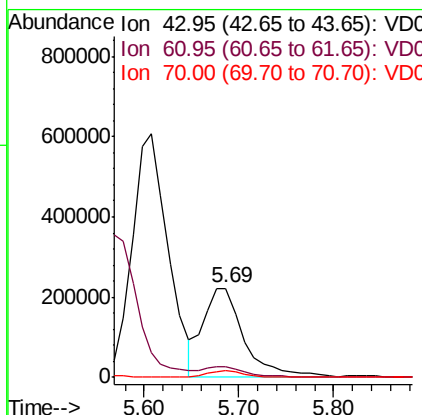
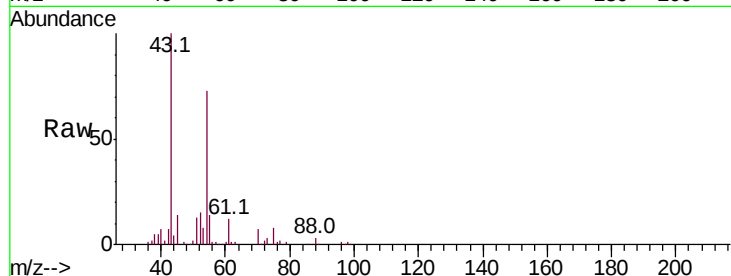




#37
Ethyl Acetate
Concen: 54.110 ug/l
RT: 5.69 min Scan# 555
Delta R.T. -0.02 min
Lab File: VD059921.D
Acq: 30 Aug 2018 11:48

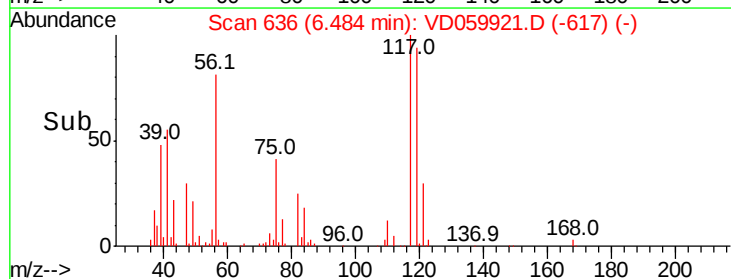
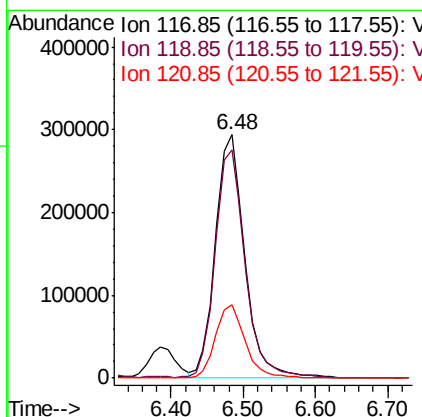
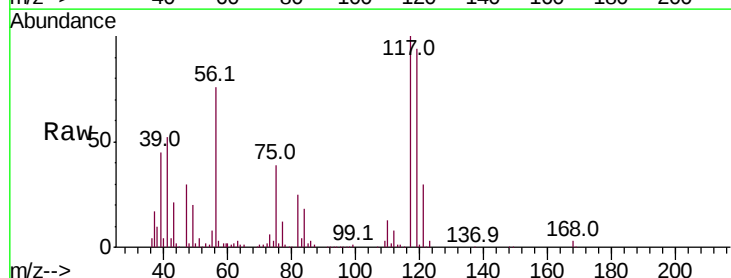
Instrument :
MSVOA_D
ClientSampleId :

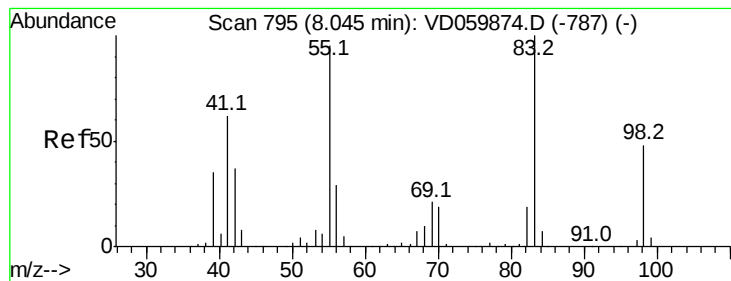
Tot Ion: 43 Resp: 652913
Ion Ratio Lower Upper
43 100
61 12.2 11.0 16.6
70 7.4 5.7 8.5



#38
Carbon Tetrachloride
Concen: 52.254 ug/l
RT: 6.48 min Scan# 636
Delta R.T. -0.02 min
Lab File: VD059921.D
Acq: 30 Aug 2018 11:48

Tgt Ion: 117 Resp: 817711
Ion Ratio Lower Upper
117 100
119 93.7 77.2 115.8
121 29.9 24.0 36.0





#39

Methvlcvclohexane

Concen: 53.258 ug/l

RT: 8.02 min Scan# 792

Delta R.T. -0.03 min

Lab File: VD059921.D

Acq: 30 Aug 2018 11:48

Instrument :
MSVOA_D
ClientSampled :

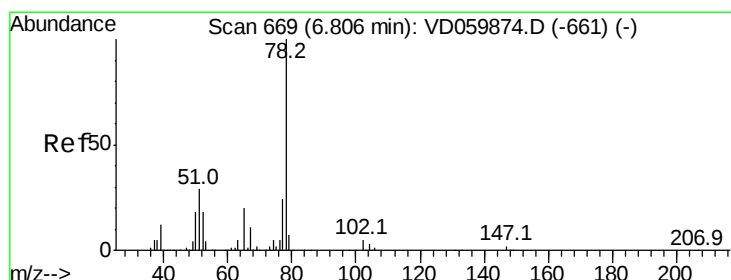
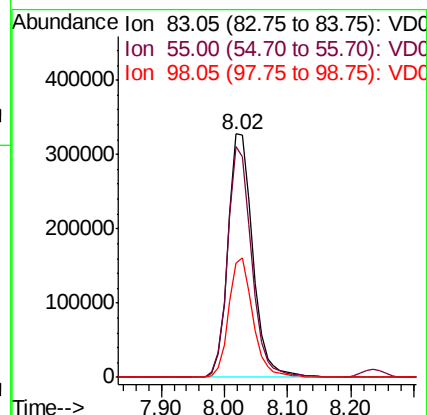
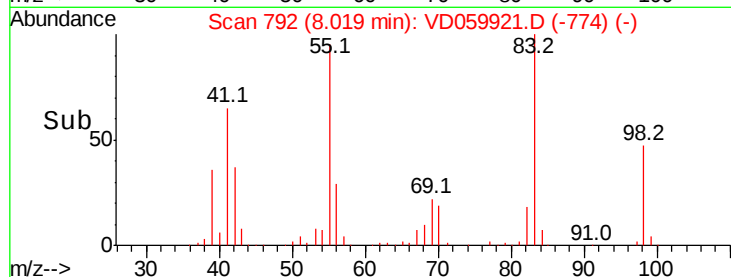
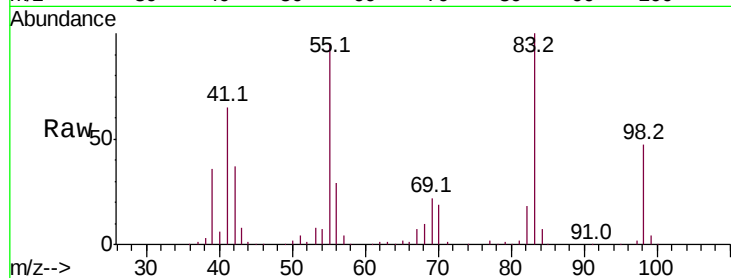
Tot Ion: 83 Resp: 892261

Ion Ratio Lower Upper

83 100

55 94.6 75.8 113.6

98 46.9 38.3 57.5



#40

Benzene

Concen: 53.259 ug/l

RT: 6.78 min Scan# 666

Delta R.T. -0.03 min

Lab File: VD059921.D

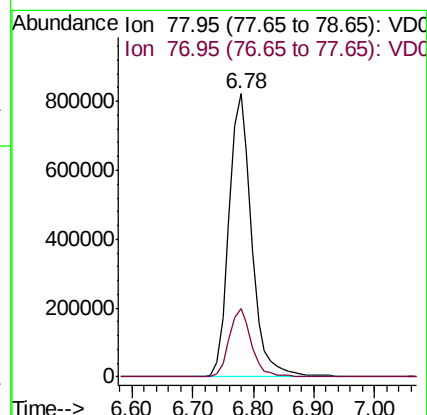
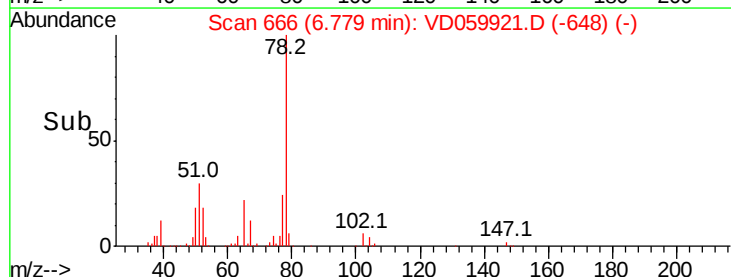
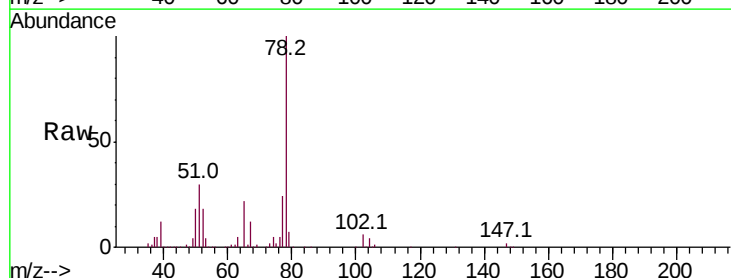
Acq: 30 Aug 2018 11:48

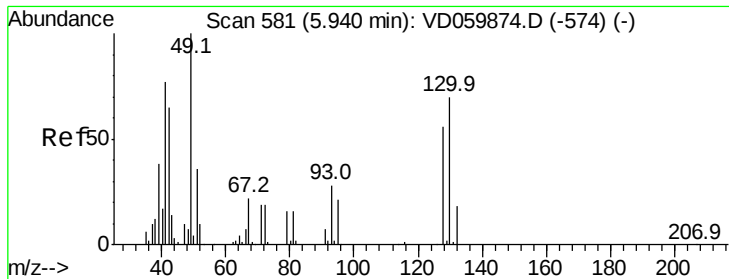
Tgt Ion: 78 Resp: 2147385

Ion Ratio Lower Upper

78 100

77 24.3 19.0 28.4

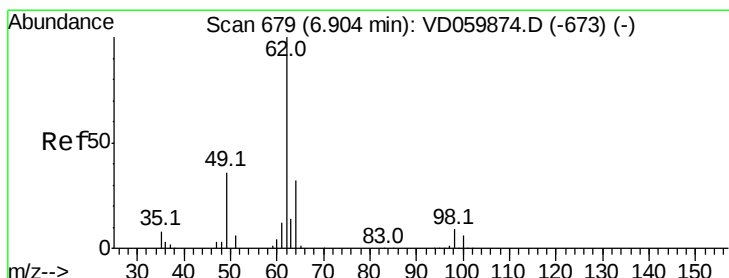
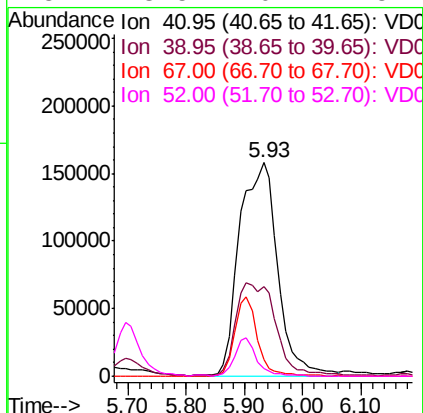
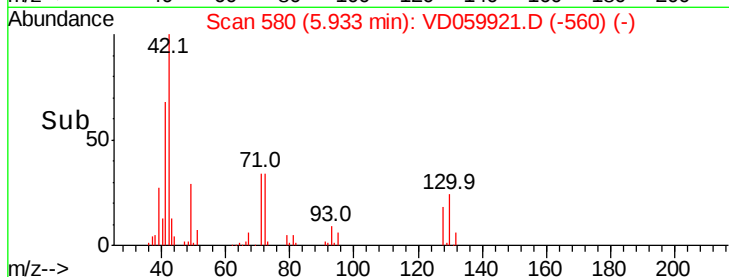
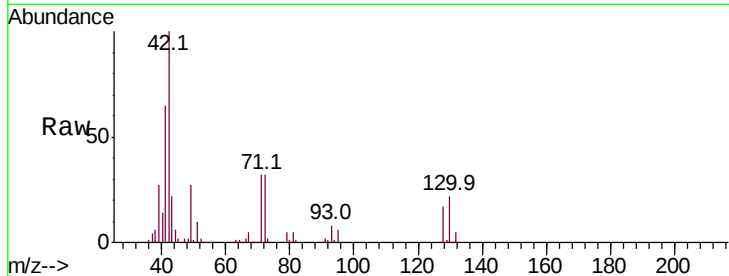




#41
Methacrylonitrile
Concen: 118.902 ug/l
RT: 5.93 min Scan# 580
Delta R.T. -0.01 min
Lab File: VD059921.D
Acq: 30 Aug 2018 11:48

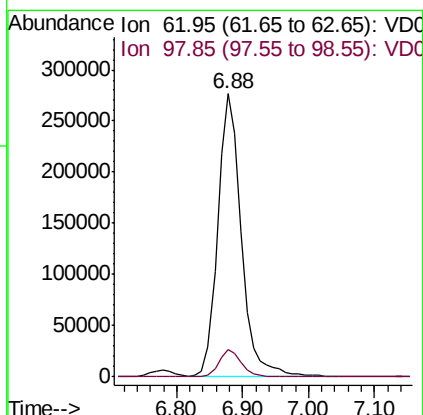
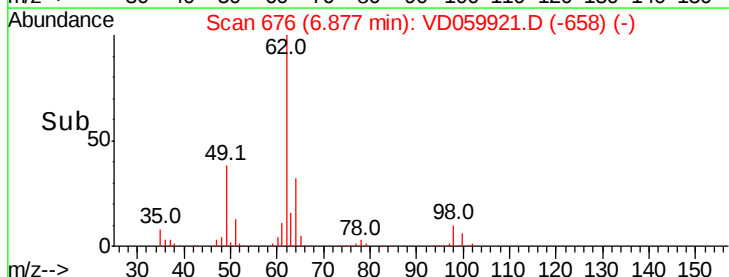
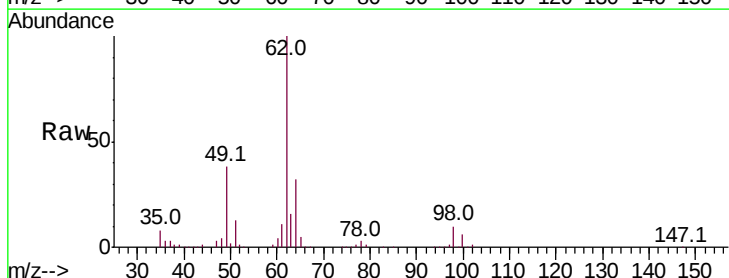
Instrument :
MSVOA_D
ClientSampled :

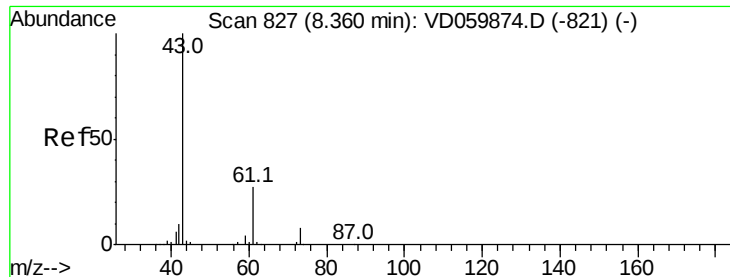
Tot Ion	Ratio	Lower	Upper
41	100		
39	41.9	39.4	59.2
67	8.1	22.2	33.2#
52	3.5	10.1	15.1#



#42
1,2-Dichloroethane
Concen: 52.732 ug/l
RT: 6.88 min Scan# 676
Delta R.T. -0.03 min
Lab File: VD059921.D
Acq: 30 Aug 2018 11:48

Tgt Ion	Ratio	Lower	Upper
62	100		
98	9.5	0.0	18.4



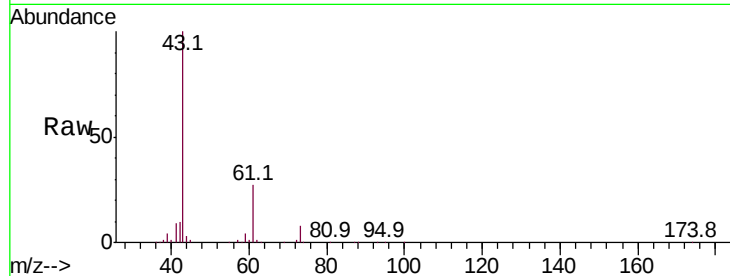


#43

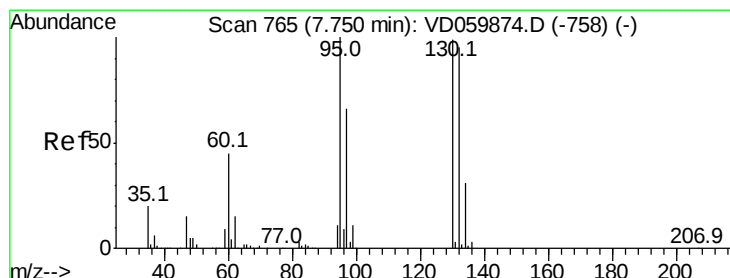
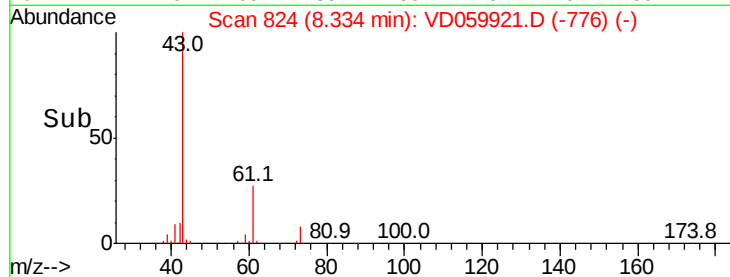
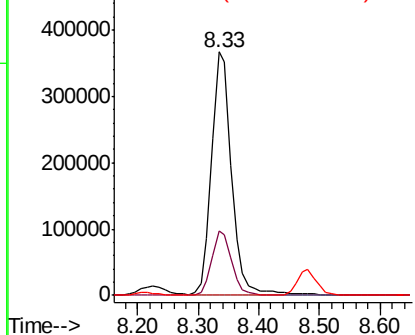
Isopropyl Acetate
 Concen: 53.481 ug/l
 RT: 8.33 min Scan# 824
 Delta R.T. -0.03 min
 Lab File: VD059921.D
 Acq: 30 Aug 2018 11:48

Instrument :
 MSVOA_D
 ClientSampleID :

Tot Ion: 43 Resp: 839538
 Ion Ratio Lower Upper
 43 100
 61 26.7 21.4 32.2
 87 0.3 0.2 0.4



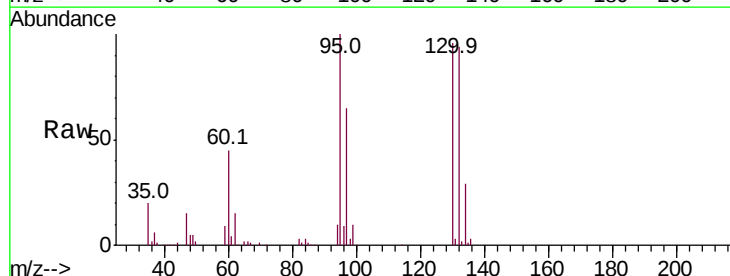
Abundance Ion 42.95 (42.65 to 43.65): VDC
 Ion 60.95 (60.65 to 61.65): VDC
 Ion 87.00 (86.70 to 87.70): VDC



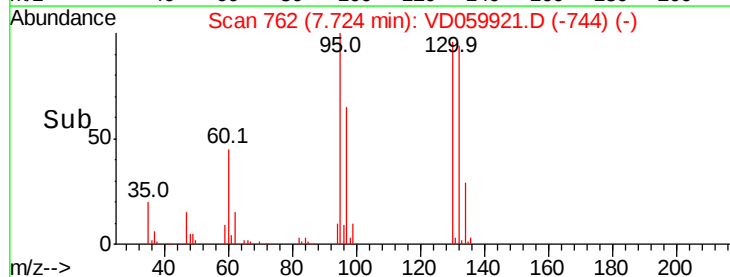
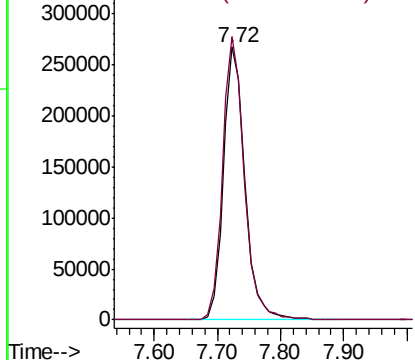
#44

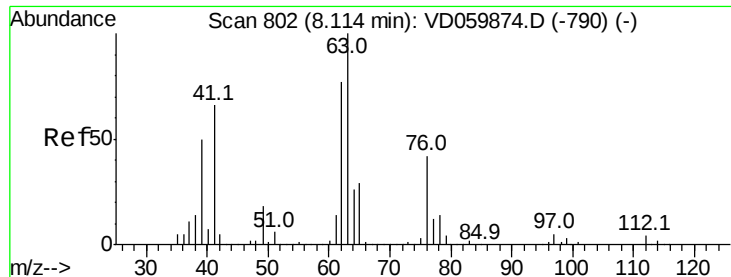
Trichloroethene
 Concen: 53.384 ug/l
 RT: 7.72 min Scan# 762
 Delta R.T. -0.03 min
 Lab File: VD059921.D
 Acq: 30 Aug 2018 11:48

Tgt Ion:130 Resp: 633746
 Ion Ratio Lower Upper
 130 100
 95 103.8 0.0 202.0



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

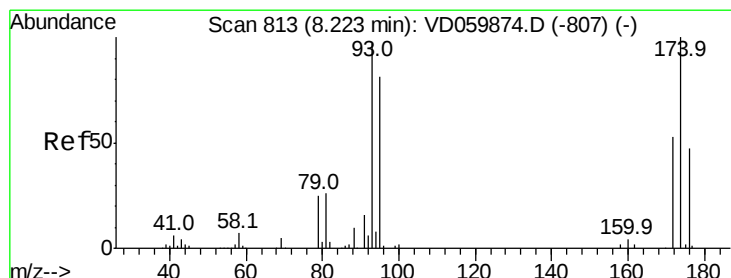
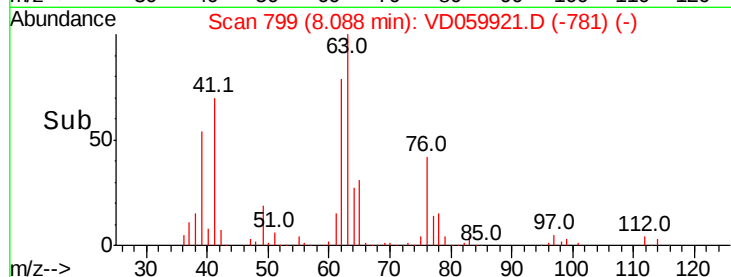
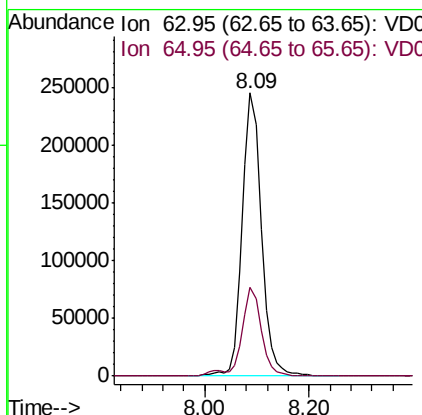
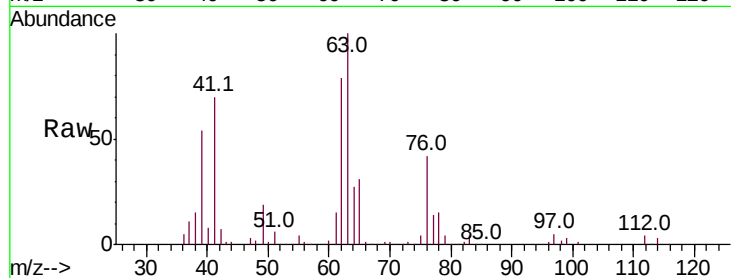




#45
 1,2-Dichloropropane
 Concen: 53.472 ug/l
 RT: 8.09 min Scan# 799
 Delta R.T. -0.03 min
 Lab File: VD059921.D
 Acq: 30 Aug 2018 11:48

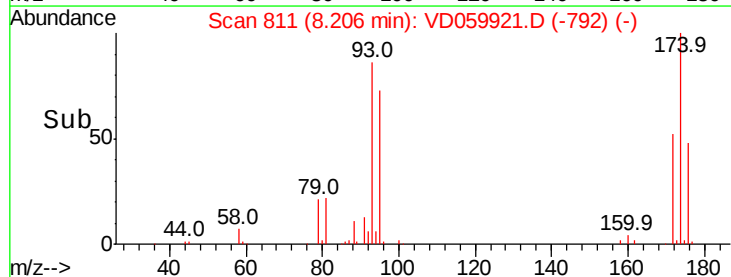
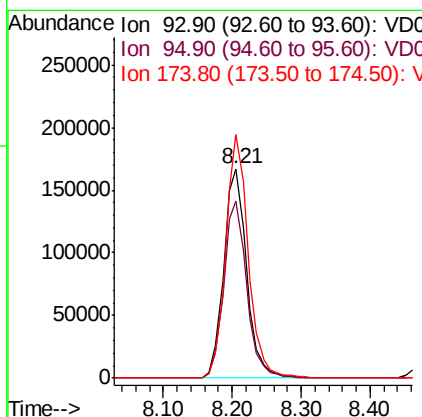
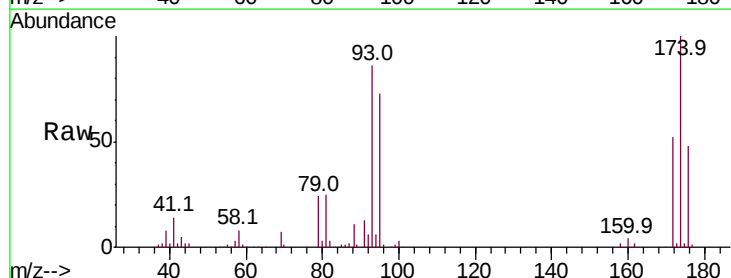
Instrument :
 MSVOA_D
 ClientSampled :

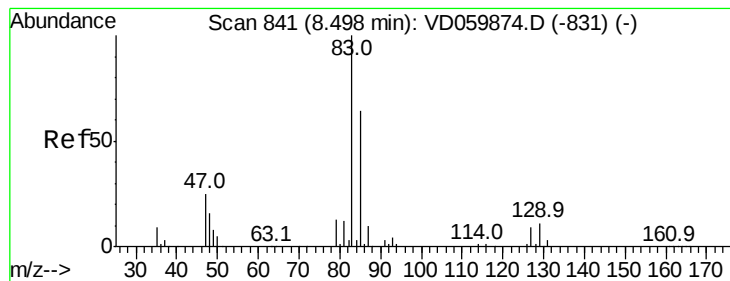
Tot Ion: 63 Resp: 602629
 Ion Ratio Lower Upper
 63 100
 65 31.2 23.5 35.3



#46
 Dibromomethane
 Concen: 52.944 ug/l
 RT: 8.21 min Scan# 811
 Delta R.T. -0.02 min
 Lab File: VD059921.D
 Acq: 30 Aug 2018 11:48

Tgt Ion: 93 Resp: 383663
 Ion Ratio Lower Upper
 93 100
 95 84.5 66.6 100.0
 174 116.2 82.4 123.6





#47

Bromodichloromethane

Concen: 52.375 ug/l

RT: 8.48 min Scan# 839

Delta R.T. -0.02 min

Lab File: VD059921.D

Acq: 30 Aug 2018 11:48

Instrument :

MSVOA_D

ClientSampleId :

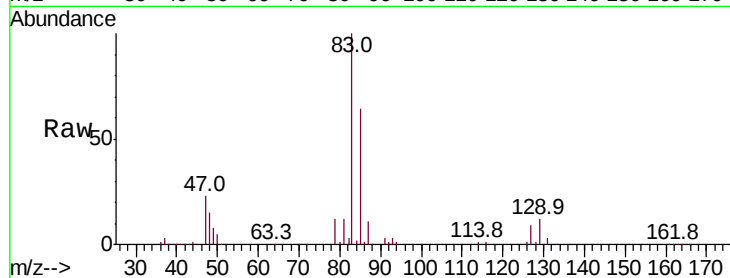
Tot Ion: 83 Resp: 859207

Ion Ratio Lower Upper

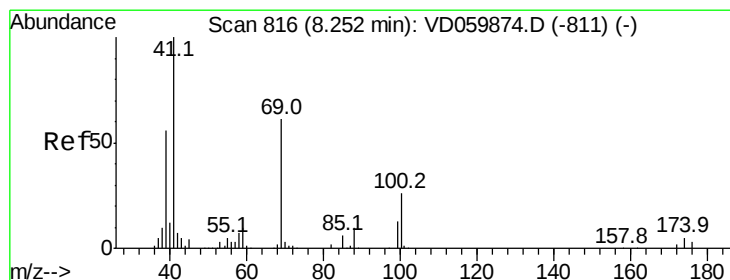
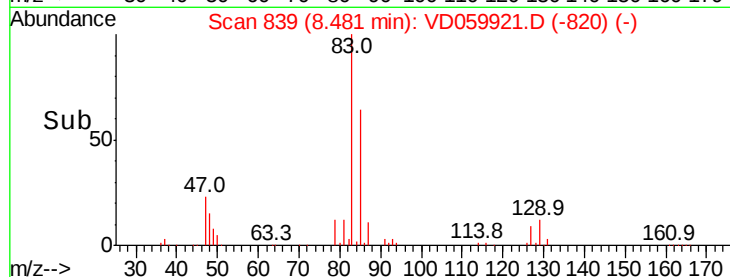
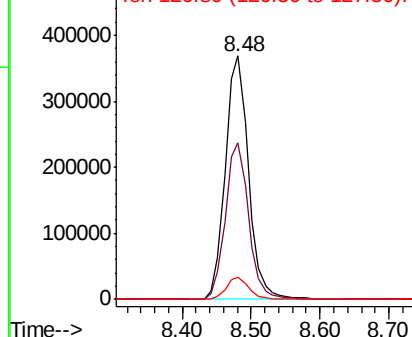
83 100

85 64.4 51.3 76.9

127 9.3 7.0 10.4



Abundance Ion 82.85 (82.55 to 83.55): VDC
Ion 84.95 (84.65 to 85.65): VDC
Ion 126.80 (126.50 to 127.50): VDC



#48

Methyl methacrylate

Concen: 52.333 ug/l

RT: 8.24 min Scan# 814

Delta R.T. -0.02 min

Lab File: VD059921.D

Acq: 30 Aug 2018 11:48

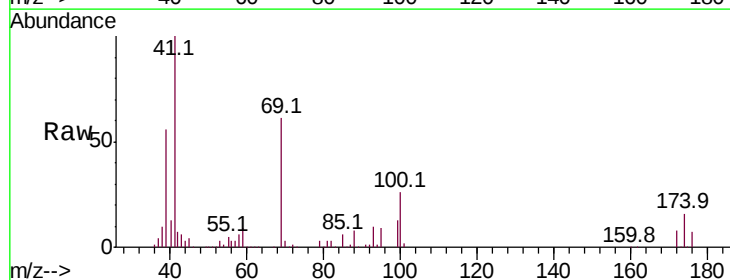
Tgt Ion: 41 Resp: 478897

Ion Ratio Lower Upper

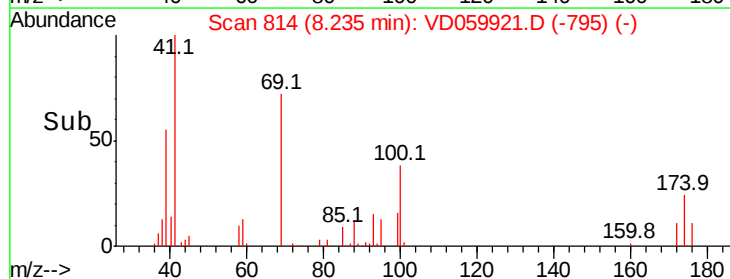
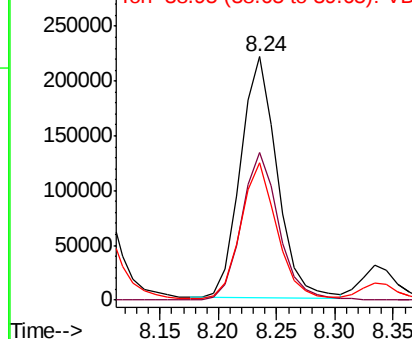
41 100

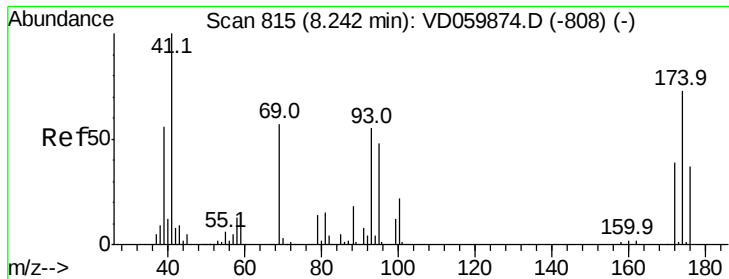
69 60.8 48.0 72.0

39 56.4 45.4 68.0



Abundance Ion 40.95 (40.65 to 41.65): VDC
Ion 69.00 (68.70 to 69.70): VDC
Ion 38.95 (38.65 to 39.65): VDC





#49

1,4-Dioxane

Concen: 1110.088 ug/l

RT: 8.22 min Scan# 812

Delta R.T. -0.03 min

Lab File: VD059921.D

Acq: 30 Aug 2018 11:48

Instrument :
MSVOA_D
ClientSampleId :

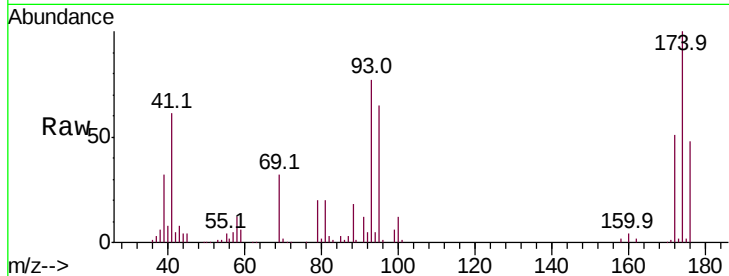
Tot Ion: 88 Resp: 90692

Ion Ratio Lower Upper

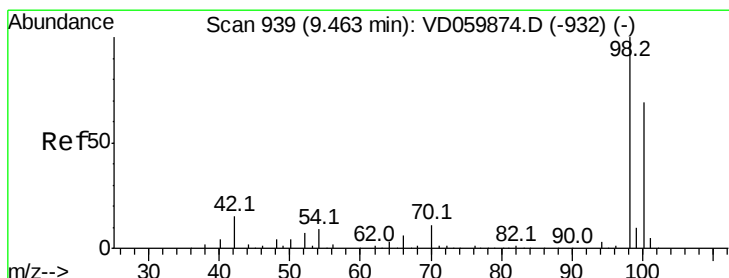
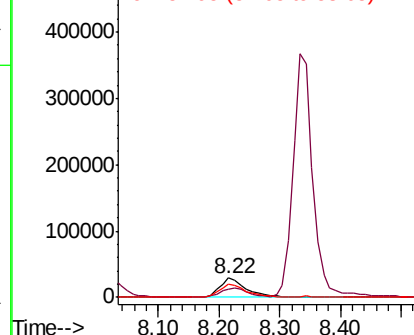
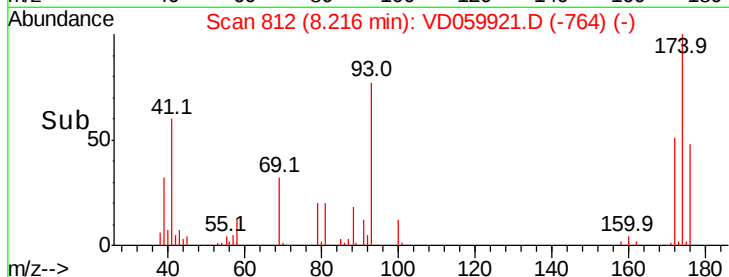
88 100

43 42.2 45.0 67.6#

58 66.8 55.8 83.8



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



#50

Toluene-d8

Concen: 1110.088 ug/l

RT: 9.45 min Scan# 937

Delta R.T. -0.02 min

Lab File: VD059921.D

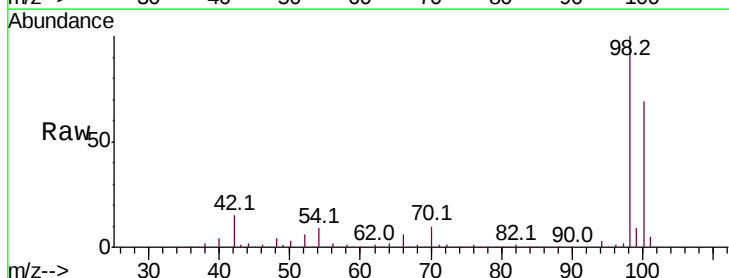
Acq: 30 Aug 2018 11:48

Tgt Ion: 98 Resp: 1993103

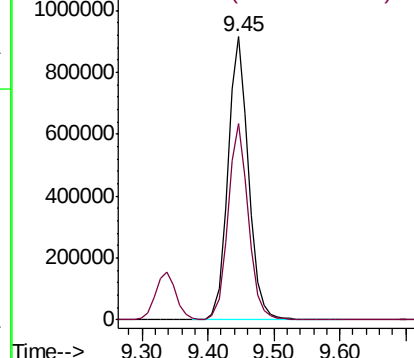
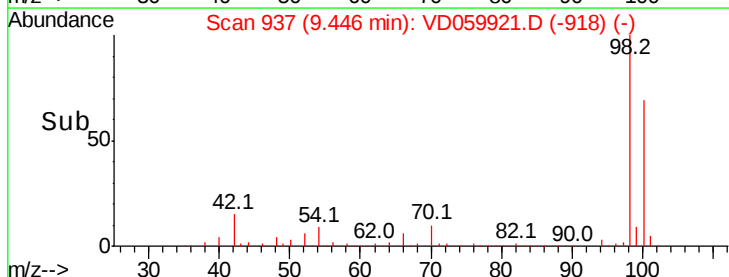
Ion Ratio Lower Upper

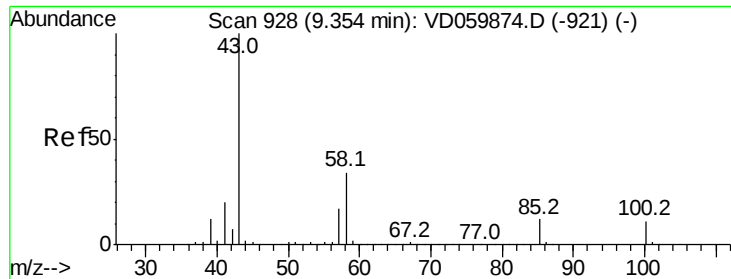
98 100

100 69.3 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: 284.208 ug/l

RT: 9.34 min Scan# 926

Delta R.T. -0.02 min

Lab File: VD059921.D

Acq: 30 Aug 2018 11:48

Instrument :

MSVOA_D

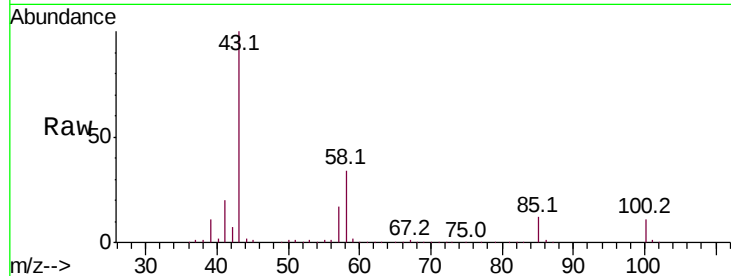
ClientSampleId :

Tot Ion: 43 Resp: 3326137

Ion Ratio Lower Upper

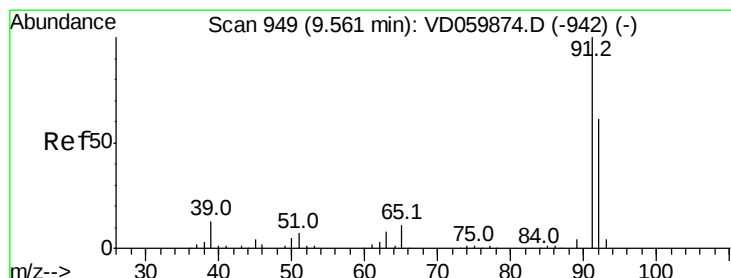
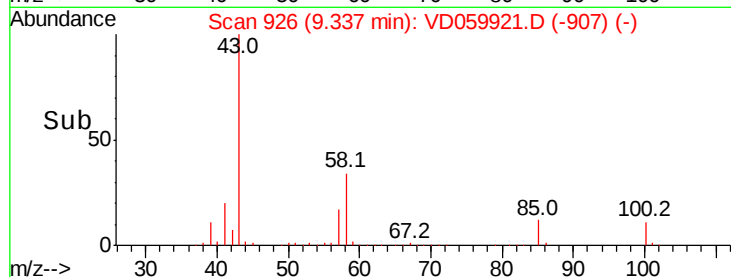
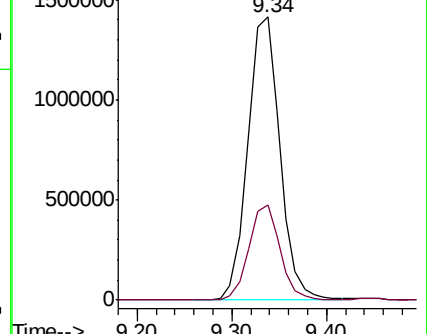
43 100

58 33.8 27.0 40.4



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC



#52

Toluene

Concen: 53.225 ug/l

RT: 9.53 min Scan# 946

Delta R.T. -0.03 min

Lab File: VD059921.D

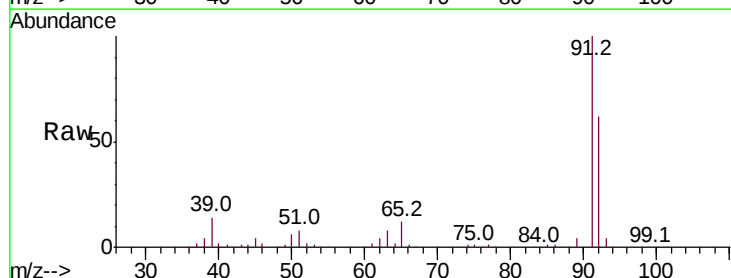
Acq: 30 Aug 2018 11:48

Tgt Ion: 92 Resp: 1376086

Ion Ratio Lower Upper

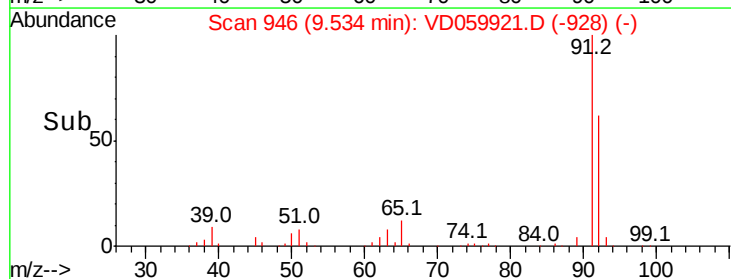
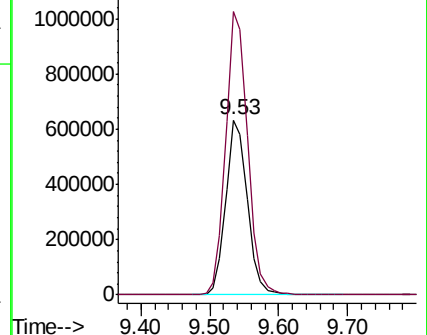
92 100

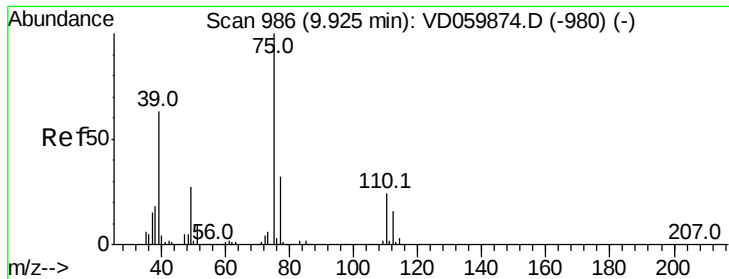
91 161.8 131.4 197.2



Abundance Ion 92.00 (91.70 to 92.70): VDC

Ion 91.00 (90.70 to 91.70): VDC





#53

t-1,3-Dichloropropene

Concen: 53.887 ug/l

RT: 9.91 min Scan# 984

Delta R.T. -0.02 min

Lab File: VD059921.D

Acq: 30 Aug 2018 11:48

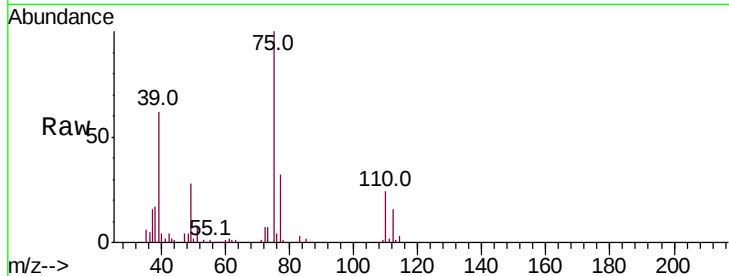
Instrument :
MSVOA_D
ClientSampled :

Tot Ion: 75 Resp: 817650

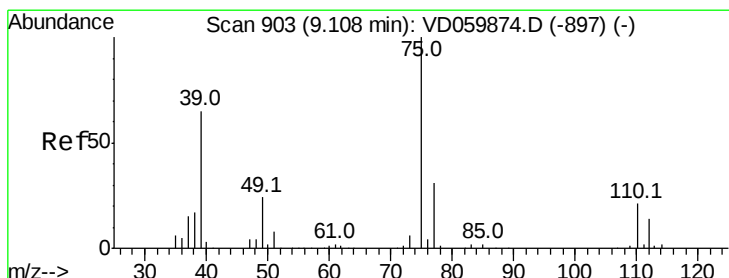
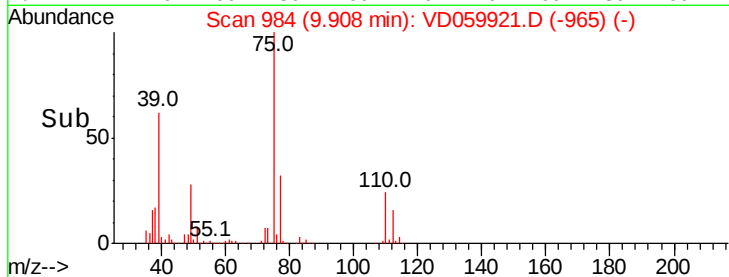
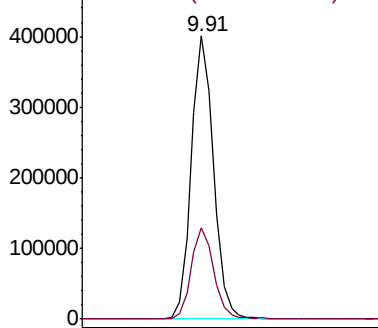
Ion Ratio Lower Upper

75 100

77 32.2 25.4 38.2



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



#54

cis-1,3-Dichloropropene

Concen: 54.047 ug/l

RT: 9.09 min Scan# 901

Delta R.T. -0.02 min

Lab File: VD059921.D

Acq: 30 Aug 2018 11:48

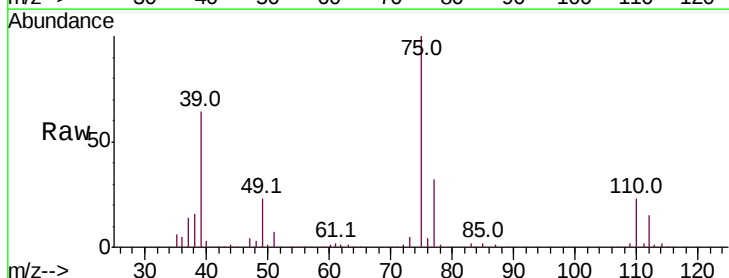
Tgt Ion: 75 Resp: 950821

Ion Ratio Lower Upper

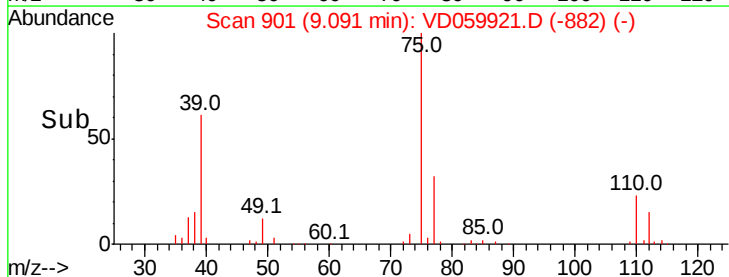
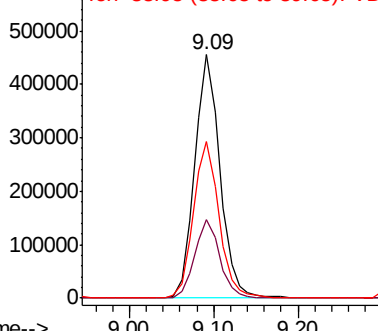
75 100

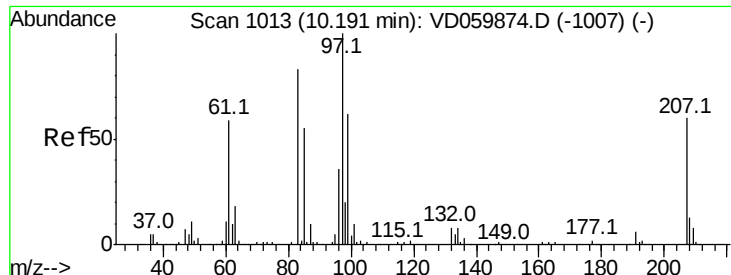
77 32.3 24.8 37.2

39 64.1 52.1 78.1



Abundance Ion 75.00 (74.70 to 75.70): VDC
Ion 76.95 (76.65 to 77.65): VDC
Ion 38.95 (38.65 to 39.65): VDC



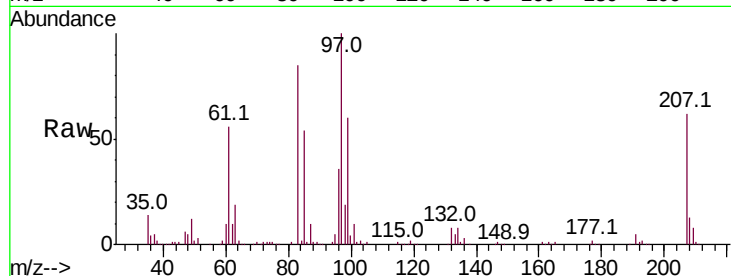


#55
 1,1,2-Trichloroethane
 Concen: 50.903 ug/l
 RT: 10.17 min Scan# 1011
 Delta R.T. -0.02 min
 Lab File: VD059921.D
 Acq: 30 Aug 2018 11:48

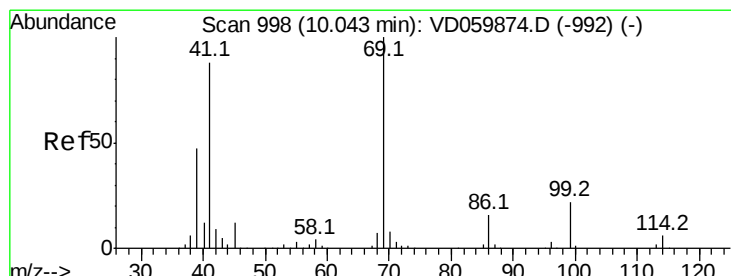
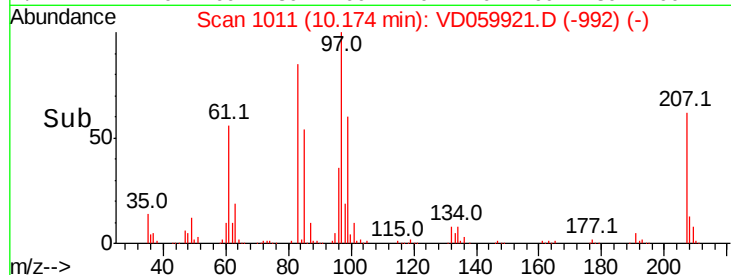
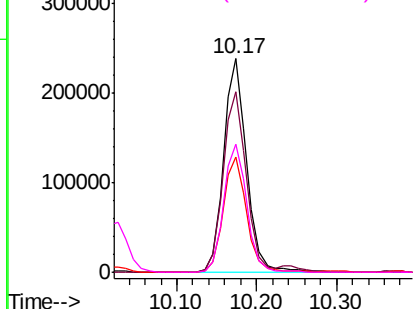
Instrument :
 MSVOA_D
 ClientSampleId :

Tot Ion: 97 Resp: 481069

Ion	Ratio	Lower	Upper
97	100		
83	84.8	66.7	100.1
85	54.0	43.8	65.6
99	60.2	49.8	74.6



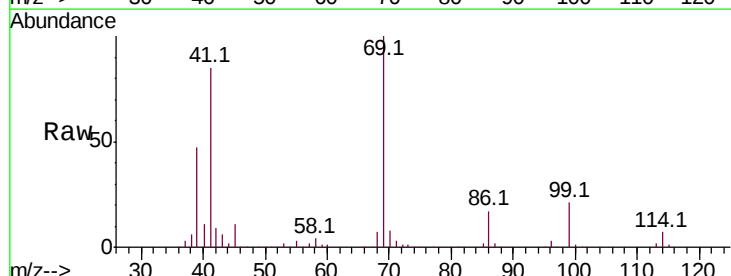
Abundance Ion 96.85 (96.55 to 97.55): VDC
 Ion 82.95 (82.65 to 83.65): VDC
 Ion 84.95 (84.65 to 85.65): VDC
 Ion 98.85 (98.55 to 99.55): VDC



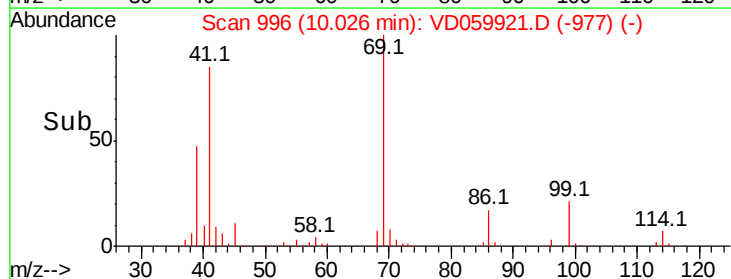
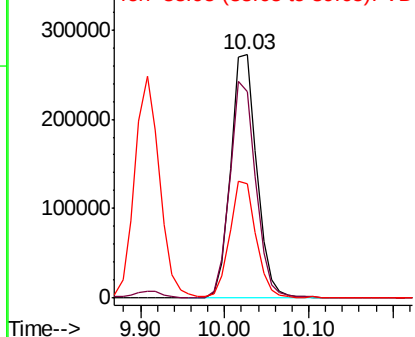
#56
 Ethyl methacrylate
 Concen: 54.028 ug/l
 RT: 10.03 min Scan# 996
 Delta R.T. -0.02 min
 Lab File: VD059921.D
 Acq: 30 Aug 2018 11:48

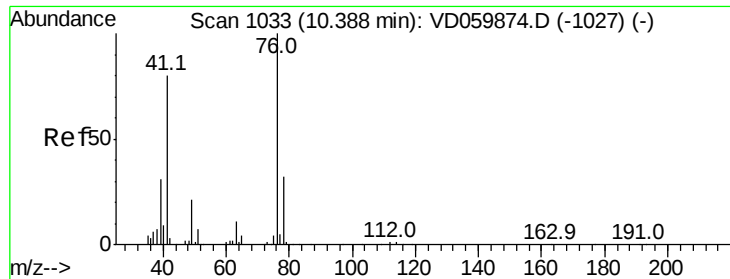
Tgt Ion: 69 Resp: 589278

Ion	Ratio	Lower	Upper
69	100		
41	84.7	71.0	106.4
39	47.1	38.5	57.7



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

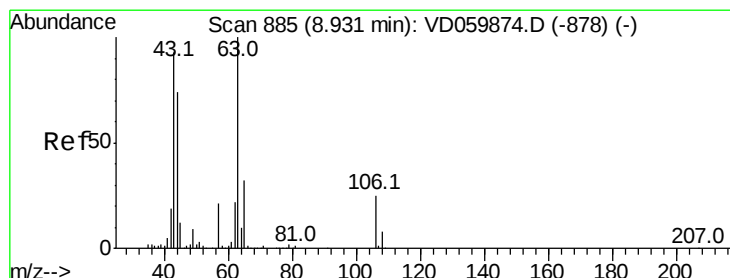
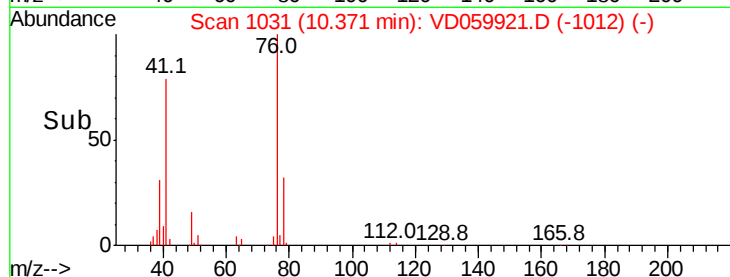
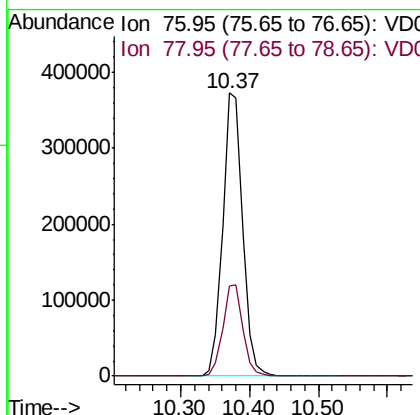
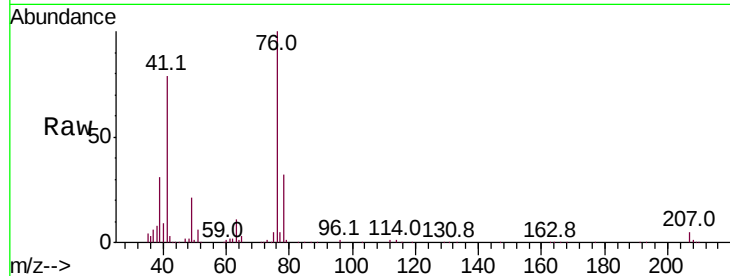




#57
 1,3-Dichloropropane
 Concen: 54.578 ug/l
 RT: 10.37 min Scan# 1031
 Delta R.T. -0.02 min
 Lab File: VD059921.D
 Acq: 30 Aug 2018 11:48

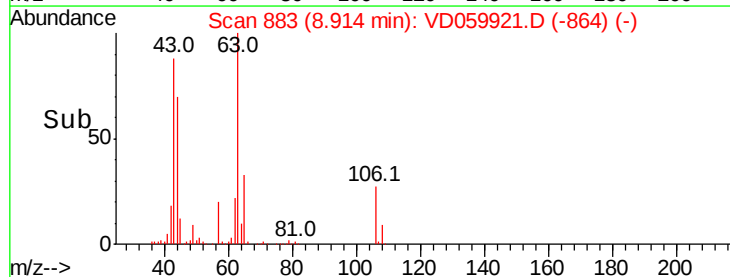
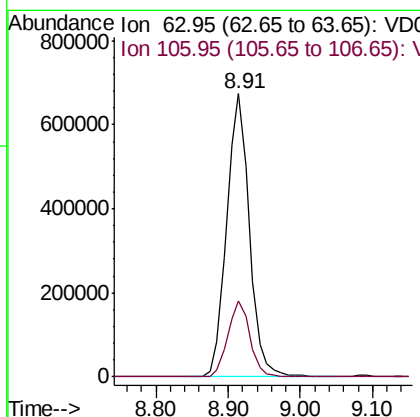
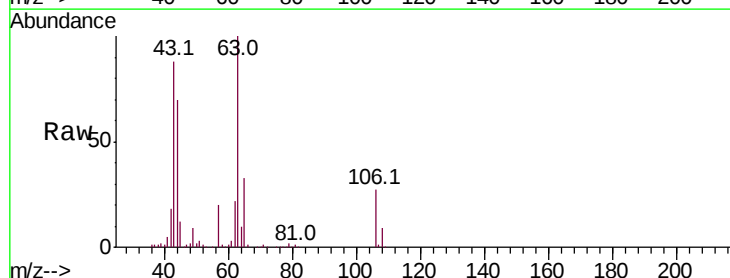
Instrument :
 MSVOA_D
 ClientSampled :

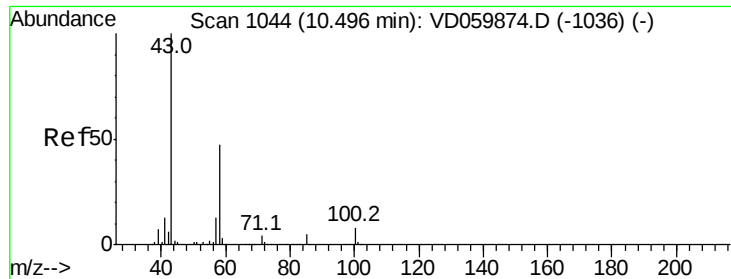
Tot Ion: 76 Resp: 746545
 Ion Ratio Lower Upper
 76 100
 78 31.6 25.8 38.6



#58
 2-Chloroethyl Vinyl ether
 Concen: 281.073 ug/l
 RT: 8.91 min Scan# 883
 Delta R.T. -0.02 min
 Lab File: VD059921.D
 Acq: 30 Aug 2018 11:48

Tgt Ion: 63 Resp: 1470652
 Ion Ratio Lower Upper
 63 100
 106 26.7 20.1 30.1





#59

2-Hexanone

Concen: 283.320 ug/l

RT: 10.48 min Scan# 1042

Delta R.T. -0.02 min

Lab File: VD059921.D

Acq: 30 Aug 2018 11:48

Instrument :

MSVOA_D

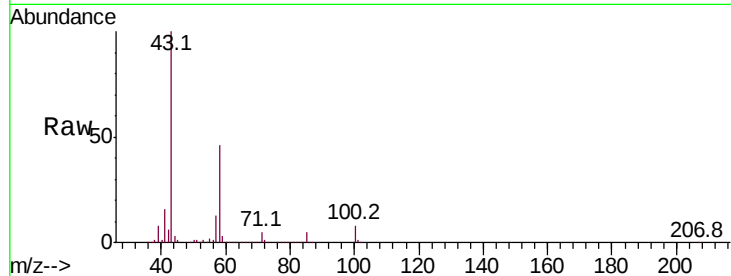
ClientSampled :

Tot Ion: 43 Resp: 2445641

Ion Ratio Lower Upper

43 100

58 46.3 23.3 69.8



Abundance Ion 42.95 (42.65 to 43.65): VDC

1500000 Ion 57.95 (57.65 to 58.65): VDC

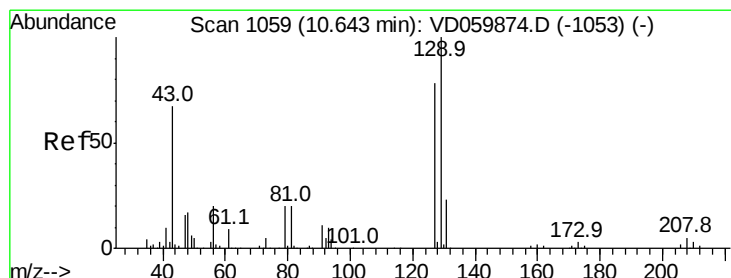
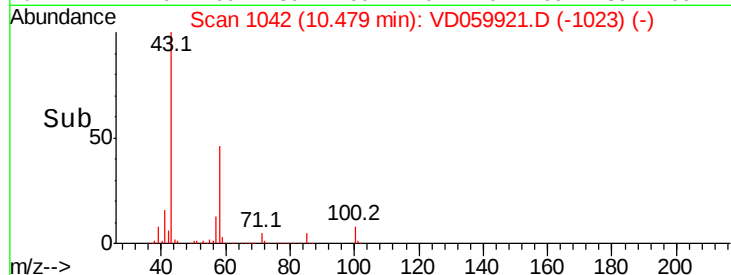
10.48

1000000

500000

0

Time-->



#60

Dibromochloromethane

Concen: 53.901 ug/l

RT: 10.64 min Scan# 1058

Delta R.T. -0.01 min

Lab File: VD059921.D

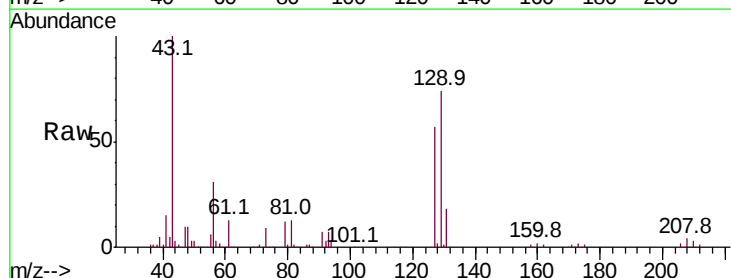
Acq: 30 Aug 2018 11:48

Tgt Ion: 129 Resp: 640275

Ion Ratio Lower Upper

129 100

127 76.9 39.1 117.2



Abundance Ion 128.80 (128.50 to 129.50): V

Ion 126.80 (126.50 to 127.50): V

10.64

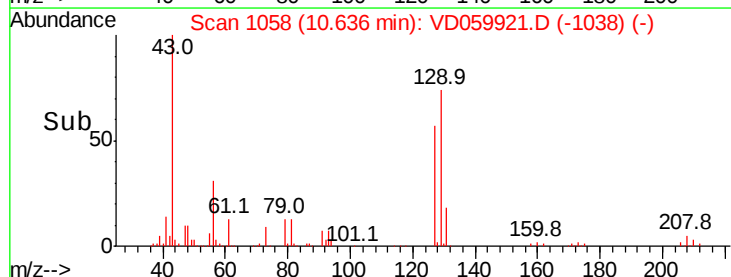
300000

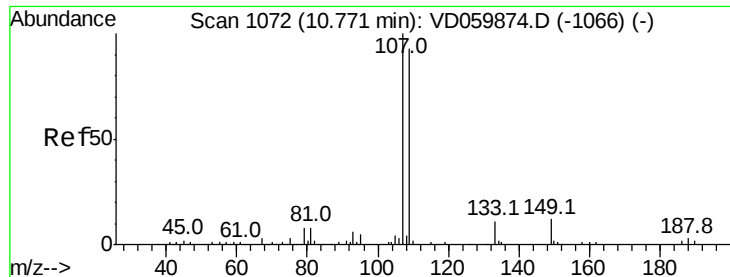
200000

100000

0

Time-->





#61

1,2-Dibromoethane

Concen: 54.451 ug/l

RT: 10.75 min Scan# 1070

Delta R.T. -0.02 min

Lab File: VD059921.D

Acq: 30 Aug 2018 11:48

Instrument :

MSVOA_D

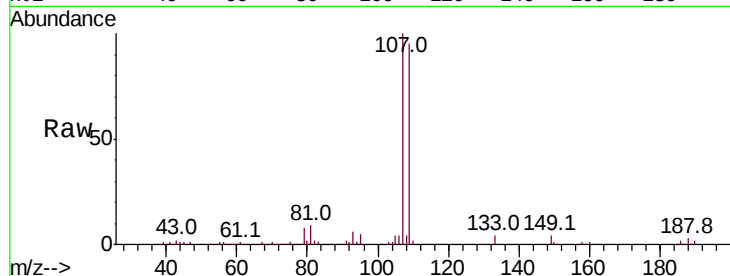
ClientSampleId :

Tot Ion:107 Resp: 520326

Ion Ratio Lower Upper

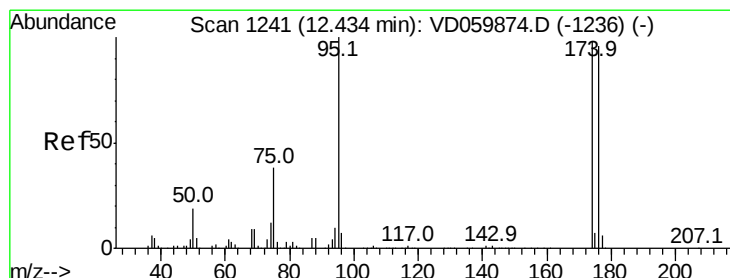
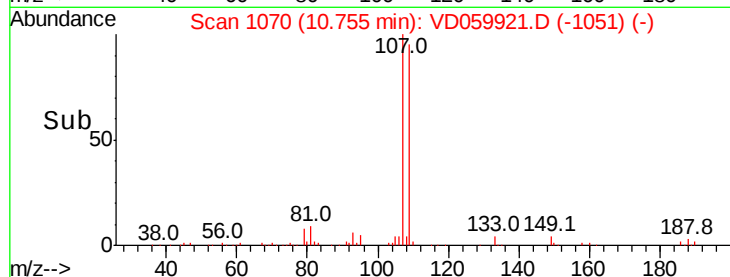
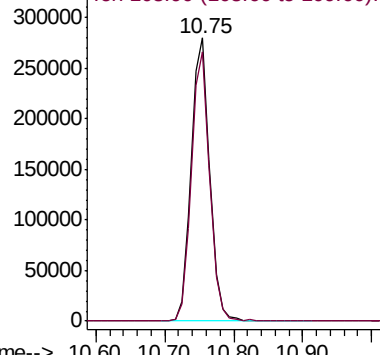
107 100

109 95.0 74.6 112.0



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.90 (108.60 to 109.60): V



#62

4-Bromofluorobenzene

Concen: 54.451 ug/l

RT: 12.42 min Scan# 1239

Delta R.T. -0.02 min

Lab File: VD059921.D

Acq: 30 Aug 2018 11:48

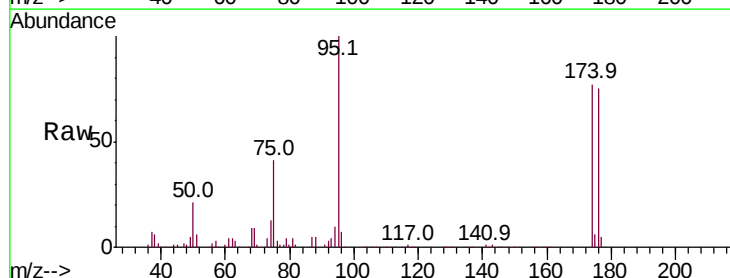
Tgt Ion: 95 Resp: 788406

Ion Ratio Lower Upper

95 100

174 76.6 0.0 195.6

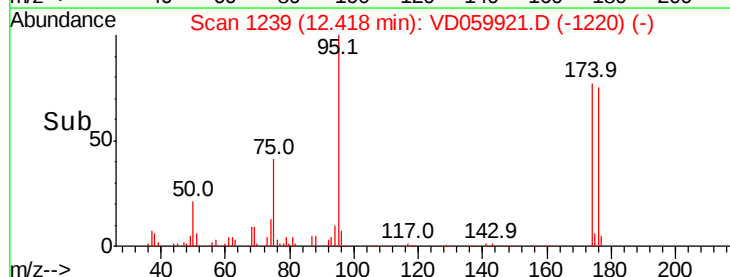
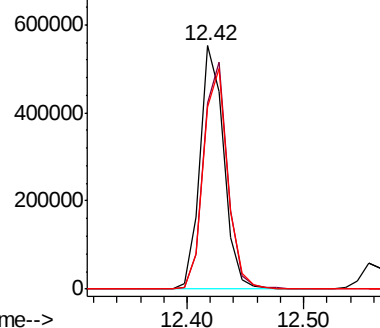
176 74.8 0.0 191.2

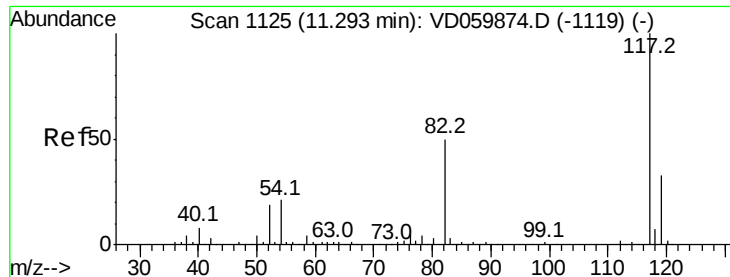


Abundance Ion 95.00 (94.70 to 95.70): V

Ion 173.90 (173.60 to 174.60): V

Ion 175.90 (175.60 to 176.60): V

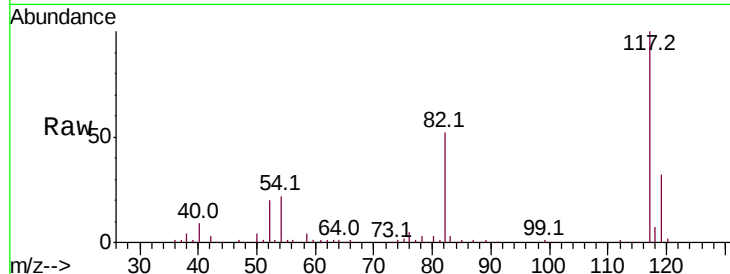




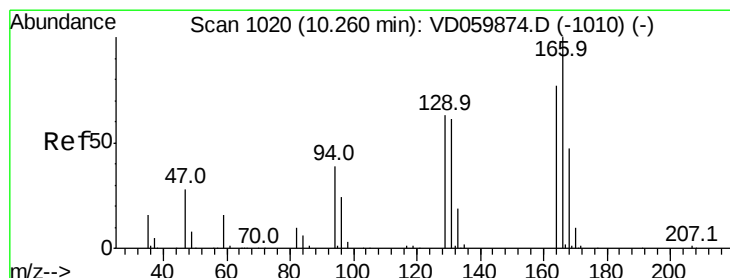
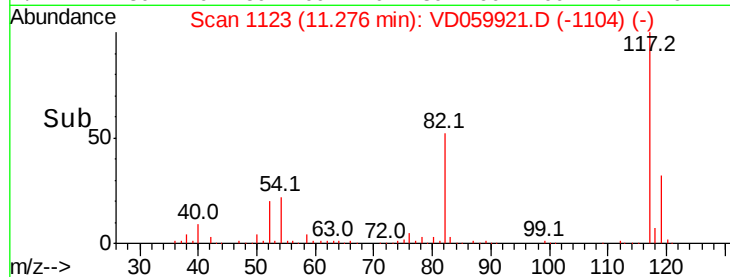
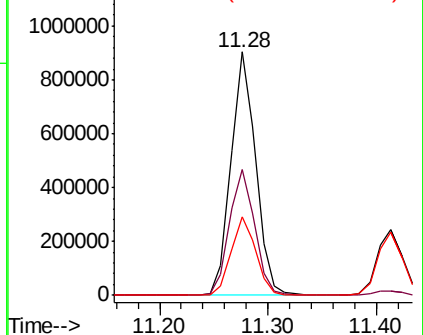
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.28 min Scan# 1123
Delta R.T. -0.02 min
Lab File: VD059921.D
Acq: 30 Aug 2018 11:48

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion:117 Resp: 1441646
Ion Ratio Lower Upper
117 100
82 51.9 40.1 60.1
119 32.1 26.7 40.1

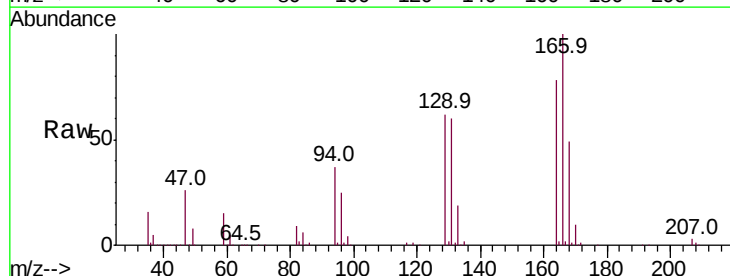


Abundance Ion 116.95 (116.65 to 117.65): V
Ion 82.05 (81.75 to 82.75): V
Ion 118.95 (118.65 to 119.65): V

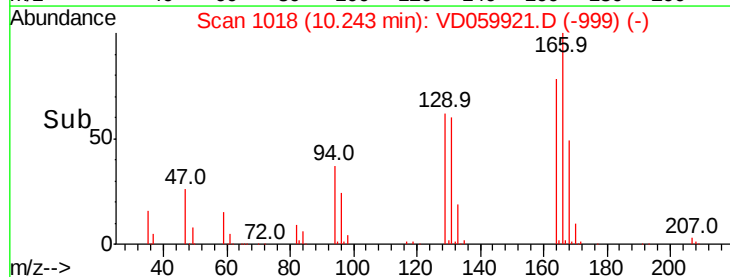
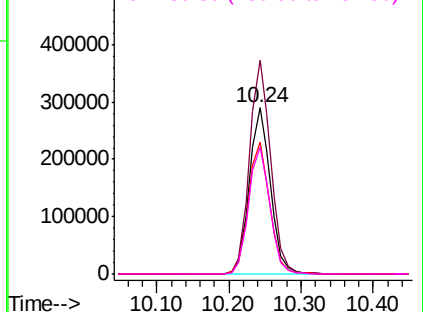


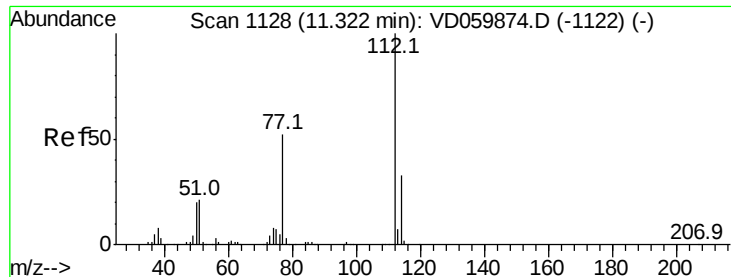
#64
Tetrachloroethene
Concen: 53.506 ug/l
RT: 10.24 min Scan# 1018
Delta R.T. -0.02 min
Lab File: VD059921.D
Acq: 30 Aug 2018 11:48

Tgt Ion:164 Resp: 596437
Ion Ratio Lower Upper
164 100
166 128.6 103.4 155.2
129 79.3 65.2 97.8
131 76.7 63.1 94.7



Abundance Ion 163.85 (163.55 to 164.55): V
Ion 165.85 (165.55 to 166.55): V
Ion 128.80 (128.50 to 129.50): V
Ion 130.80 (130.50 to 131.50): V

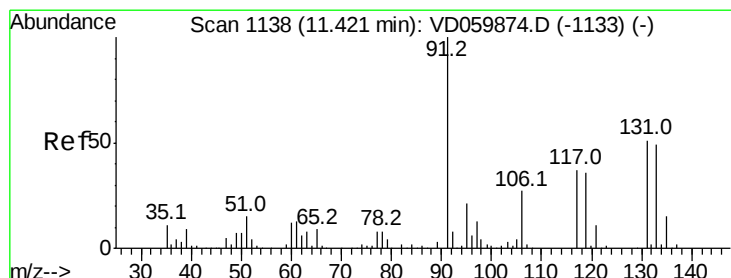
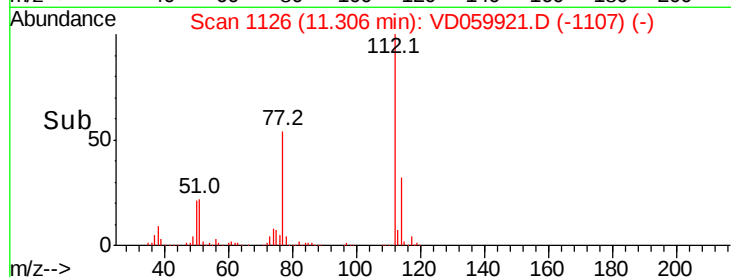
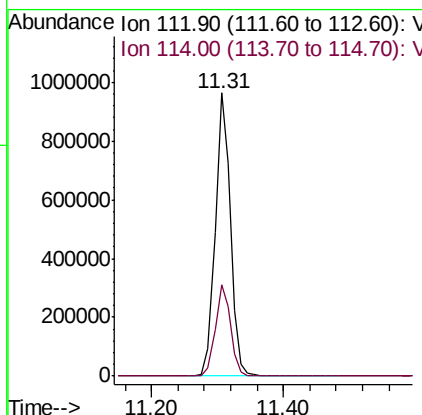
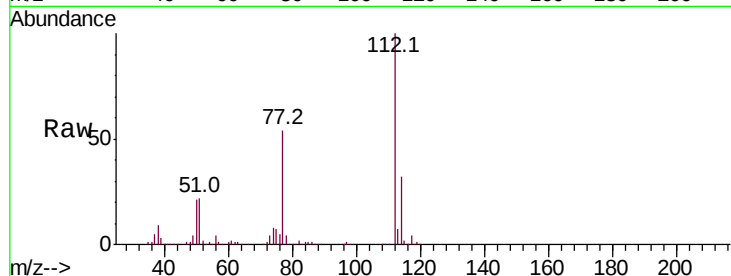




#65
Chlorobenzene
Concen: 53.015 ug/l
RT: 11.31 min Scan# 1126
Delta R.T. -0.02 min
Lab File: VD059921.D
Acq: 30 Aug 2018 11:48

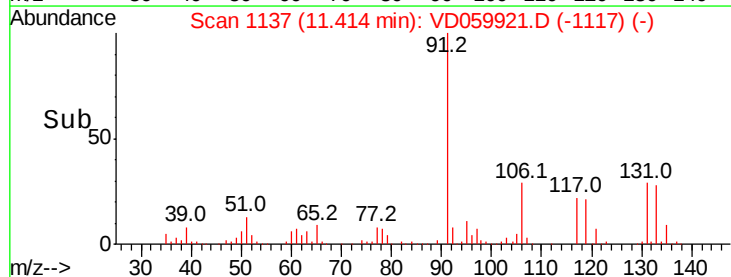
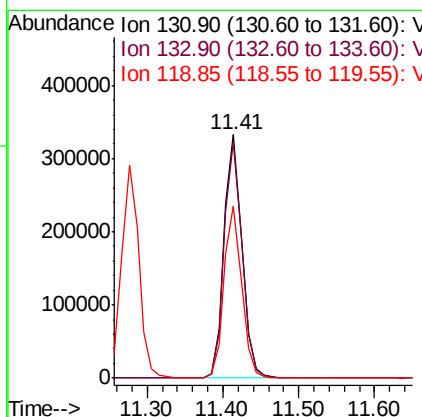
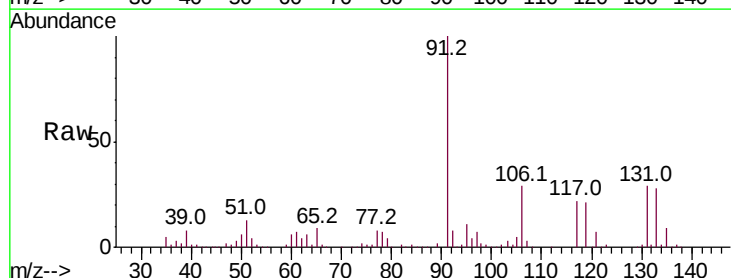
Instrument :
MSVOA_D
ClientSampled :

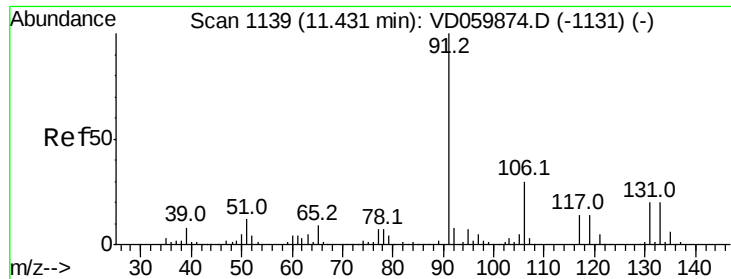
Tot Ion:112 Resp: 1518785
Ion Ratio Lower Upper
112 100
114 32.4 26.4 39.6



#66
1,1,1,2-Tetrachloroethane
Concen: 52.314 ug/l
RT: 11.41 min Scan# 1137
Delta R.T. -0.01 min
Lab File: VD059921.D
Acq: 30 Aug 2018 11:48

Tgt Ion:131 Resp: 547534
Ion Ratio Lower Upper
131 100
133 96.8 48.3 144.8
119 70.7 35.4 106.3

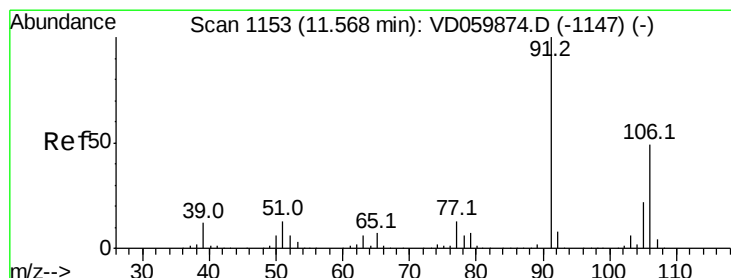
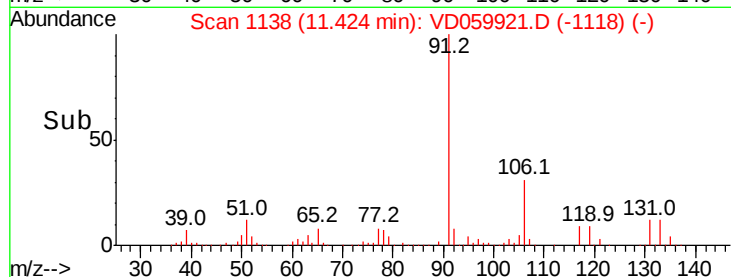
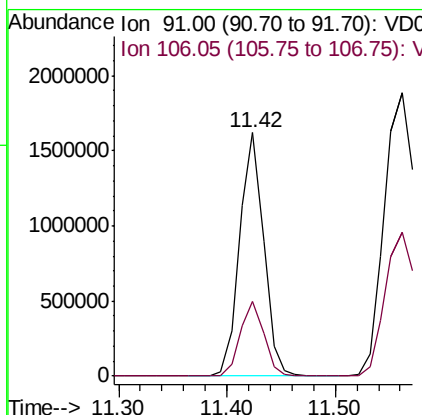
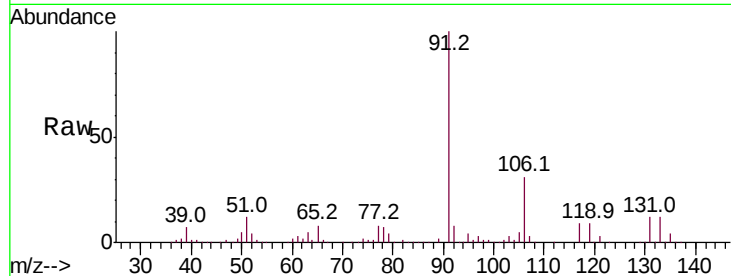




#67
Ethyl Benzene
Concen: 52.011 ug/l
RT: 11.42 min Scan# 1138
Delta R.T. -0.01 min
Lab File: VD059921.D
Acq: 30 Aug 2018 11:48

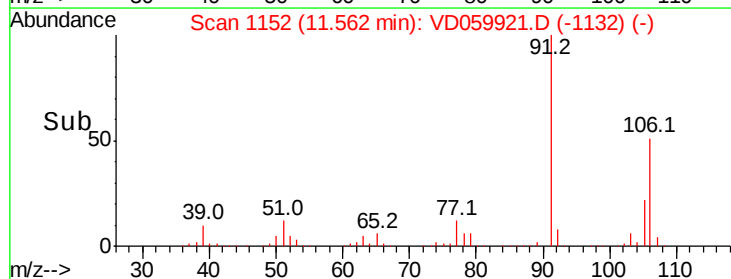
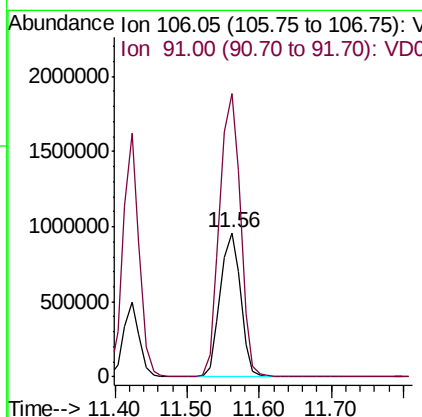
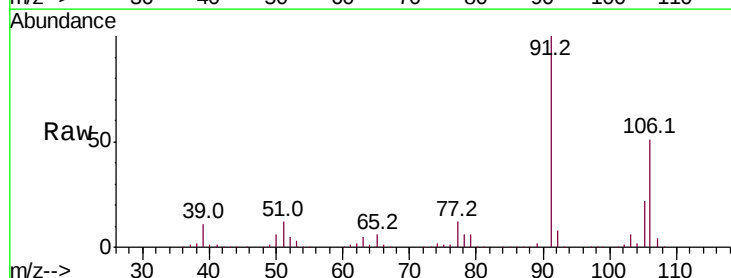
Instrument :
MSVOA_D
ClientSampled :

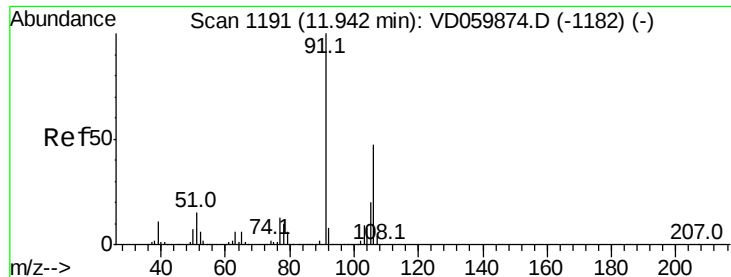
Tot Ion: 91 Resp: 2506744
Ion Ratio Lower Upper
91 100
106 30.9 23.8 35.8



#68
m/p-Xylenes
Concen: 106.423 ug/l
RT: 11.56 min Scan# 1152
Delta R.T. -0.01 min
Lab File: VD059921.D
Acq: 30 Aug 2018 11:48

Tgt Ion:106 Resp: 1867495
Ion Ratio Lower Upper
106 100
91 196.7 162.0 243.0

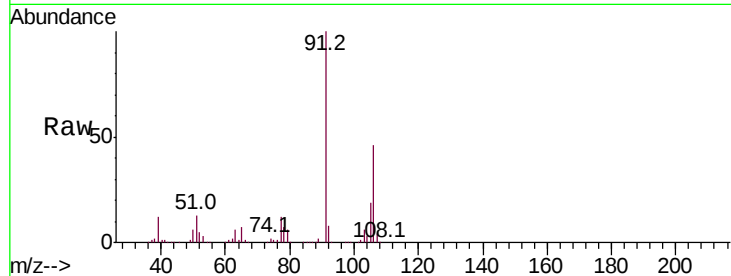




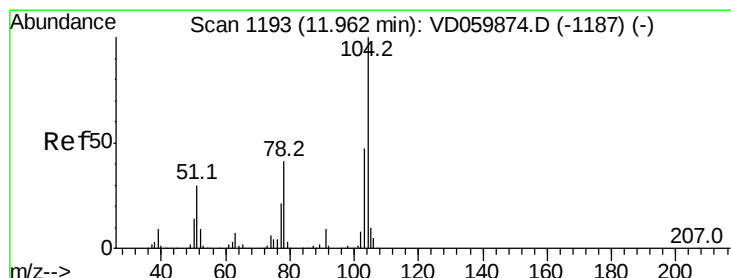
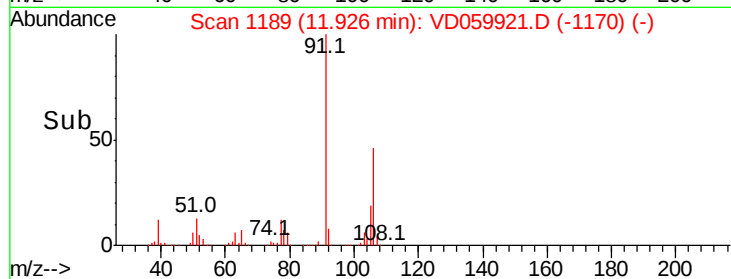
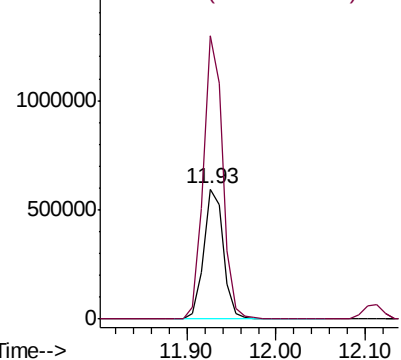
#69
o-Xylene
Concen: 53.887 ug/l
RT: 11.93 min Scan# 1189
Delta R.T. -0.02 min
Lab File: VD059921.D
Acq: 30 Aug 2018 11:48

Instrument :
MSVOA_D
ClientSampled :

Tot Ion:106 Resp: 924849
Ion Ratio Lower Upper
106 100
91 217.5 107.3 322.0

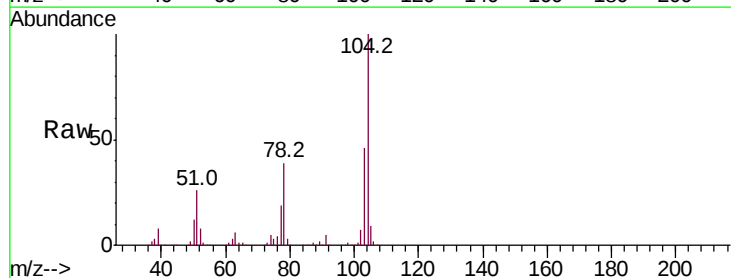


Abundance Ion 106.05 (105.75 to 106.75): V
1500000 Ion 91.00 (90.70 to 91.70): V

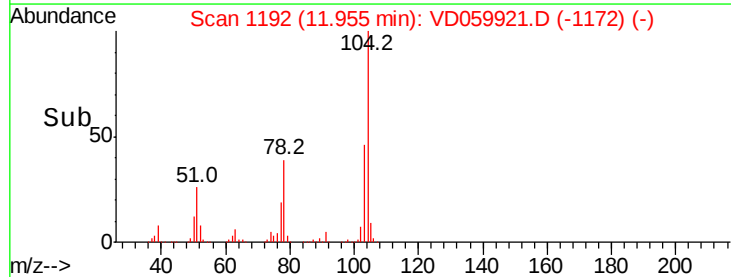
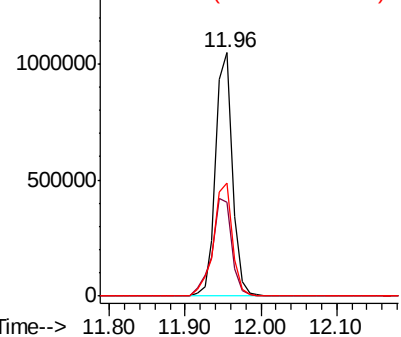


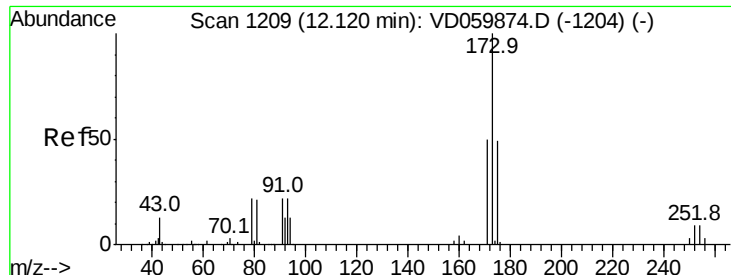
#70
Styrene
Concen: 53.751 ug/l
RT: 11.96 min Scan# 1192
Delta R.T. -0.01 min
Lab File: VD059921.D
Acq: 30 Aug 2018 11:48

Tgt Ion:104 Resp: 1597351
Ion Ratio Lower Upper
104 100
78 38.8 32.6 49.0
103 46.2 37.7 56.5



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: 53.941 ug/l

RT: 12.11 min Scan# 1208

Delta R.T. -0.01 min

Lab File: VD059921.D

Acq: 30 Aug 2018 11:48

Instrument :

MSVOA_D

ClientSampled :

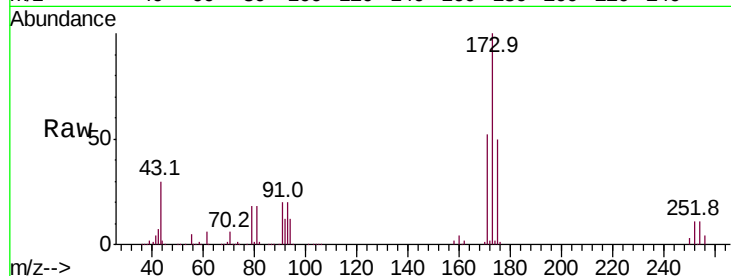
Tot Ion:173 Resp: 488485

Ion Ratio Lower Upper

173 100

175 50.1 24.3 73.0

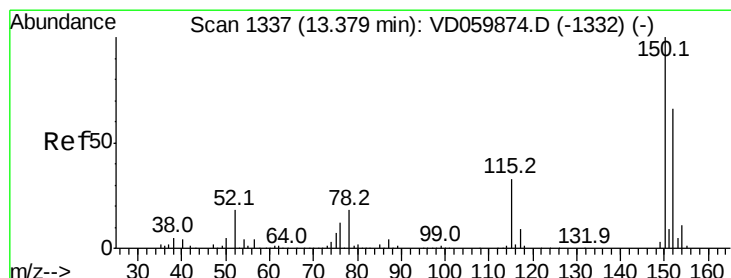
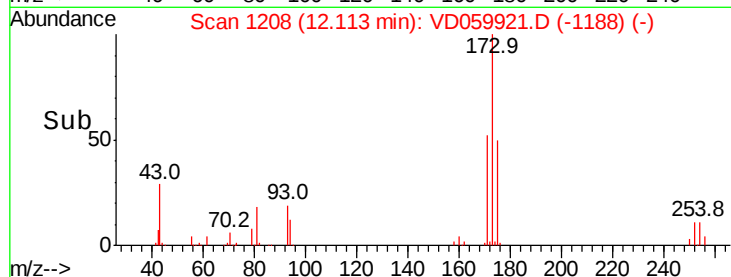
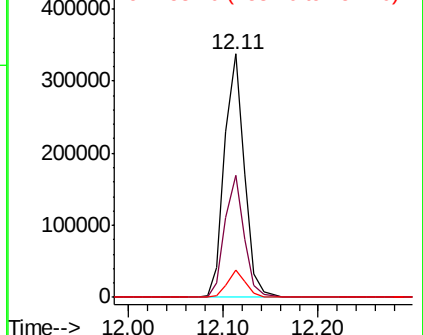
254 11.2 7.0 10.6#



Abundance Ion 172.80 (172.50 to 173.50): V

Ion 174.80 (174.50 to 175.50): V

Ion 253.70 (253.40 to 254.40): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.37 min Scan# 1336

Delta R.T. -0.01 min

Lab File: VD059921.D

Acq: 30 Aug 2018 11:48

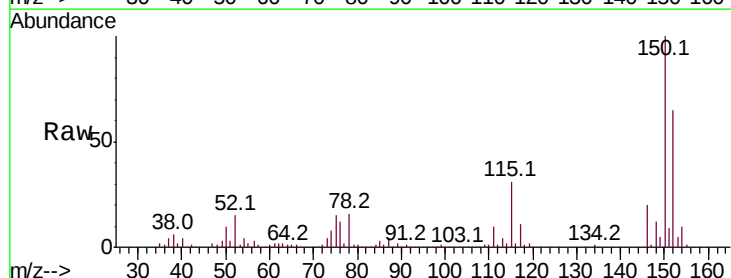
Tgt Ion:152 Resp: 745314

Ion Ratio Lower Upper

152 100

115 48.4 25.7 77.0

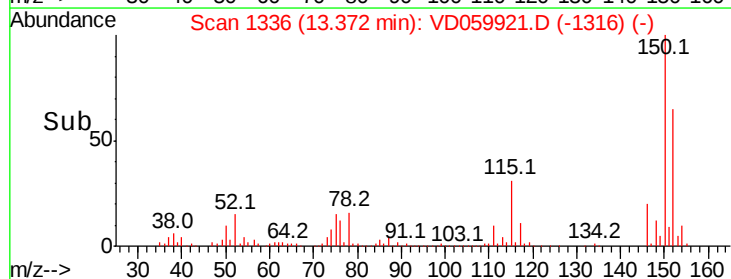
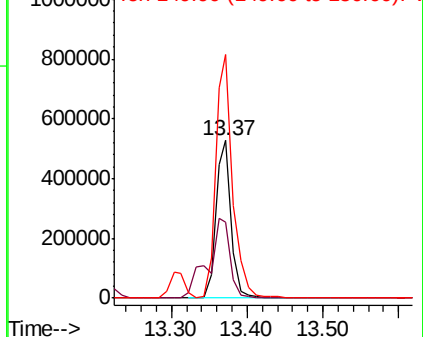
150 154.5 0.0 310.2

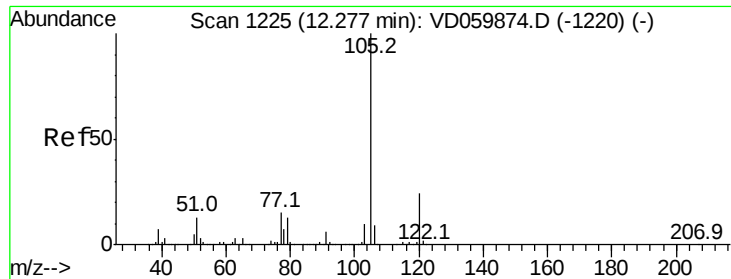


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 115.00 (114.70 to 115.70): V

Ion 149.90 (149.60 to 150.60): V

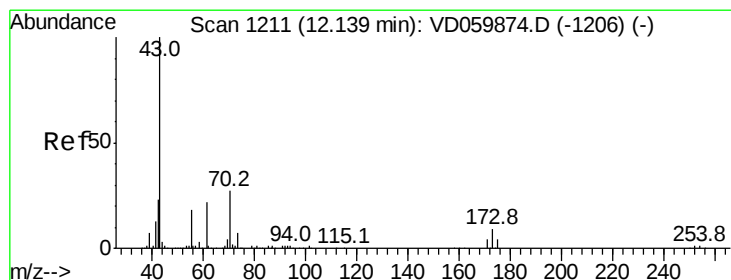
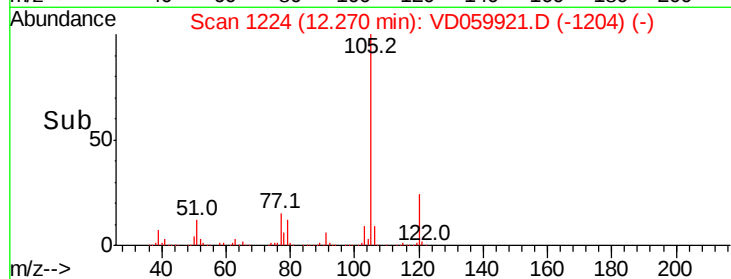
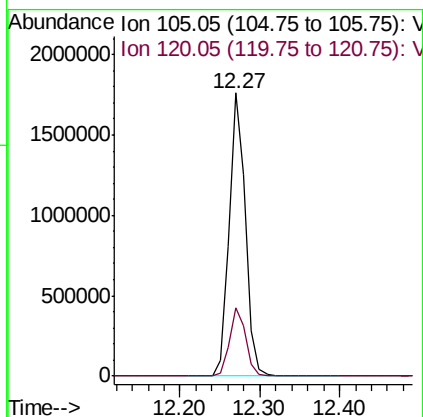
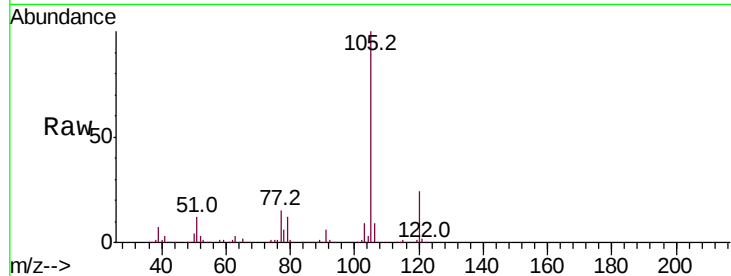




#73
Isopropylbenzene
Concen: 53.136 ug/l
RT: 12.27 min Scan# 1224
Delta R.T. -0.01 min
Lab File: VD059921.D
Acq: 30 Aug 2018 11:48

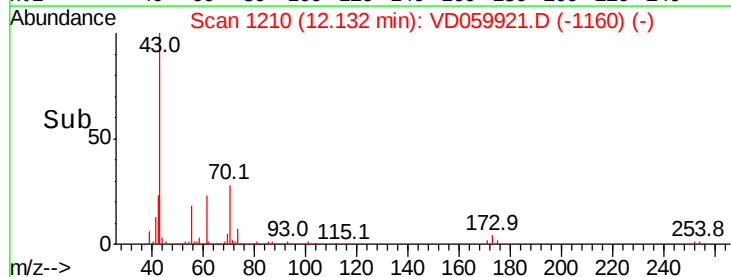
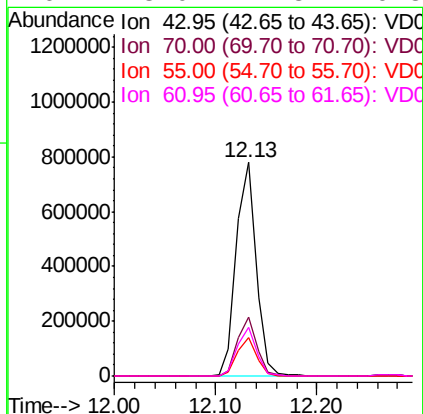
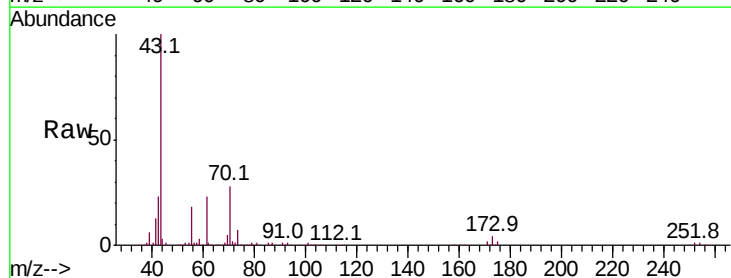
Instrument :
MSVOA_D
ClientSampleId :

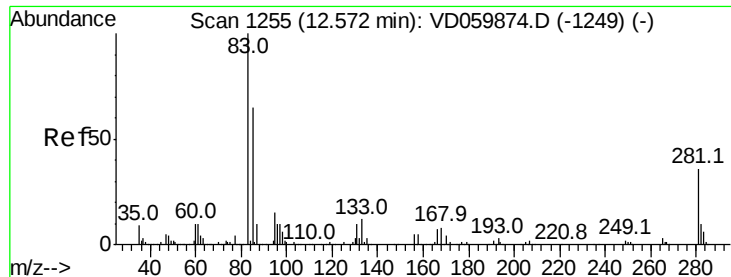
Tot Ion:105 Resp: 2528033
Ion Ratio Lower Upper
105 100
120 24.3 11.8 35.4



#74
N-ethyl acetate
Concen: 51.328 ug/l
RT: 12.13 min Scan# 1210
Delta R.T. -0.01 min
Lab File: VD059921.D
Acq: 30 Aug 2018 11:48

Tgt Ion: 43 Resp: 1069265
Ion Ratio Lower Upper
43 100
70 27.7 21.4 32.2
55 18.0 14.1 21.1
61 23.0 17.8 26.8





#75

1,1,2,2-Tetrachloroethane

Concen: 55.691 ug/l

RT: 12.56 min Scan# 1253

Delta R.T. -0.02 min

Lab File: VD059921.D

Acq: 30 Aug 2018 11:48

Instrument :

MSVOA_D

ClientSampleId :

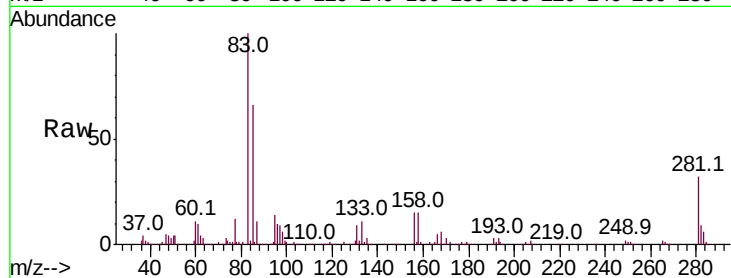
Tot Ion: 83 Resp: 612869

Ion Ratio Lower Upper

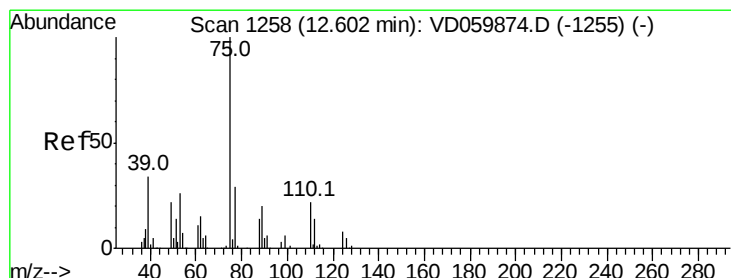
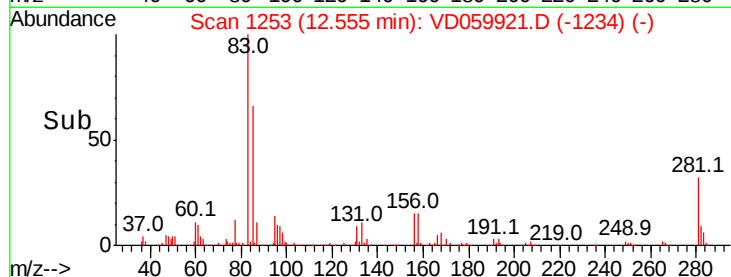
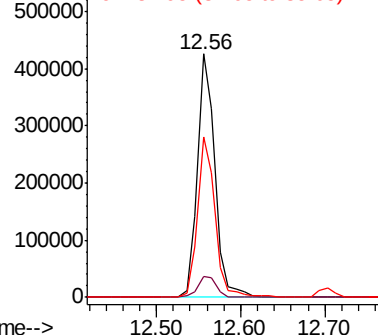
83 100

131 8.5 4.8 14.4

85 65.8 32.6 97.8



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



#76

1,2,3-Trichloropropane

Concen: 54.680 ug/l

RT: 12.59 min Scan# 1257

Delta R.T. -0.01 min

Lab File: VD059921.D

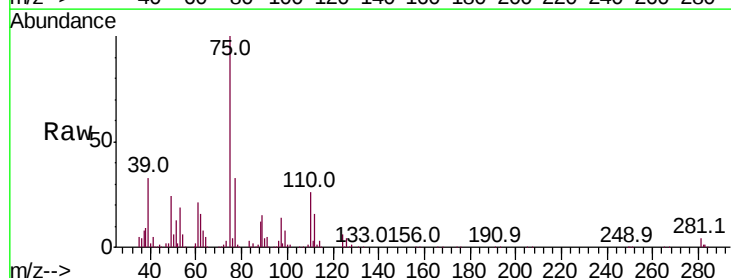
Acq: 30 Aug 2018 11:48

Tgt Ion: 75 Resp: 633405

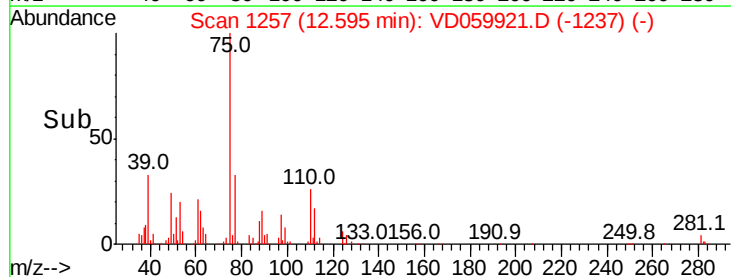
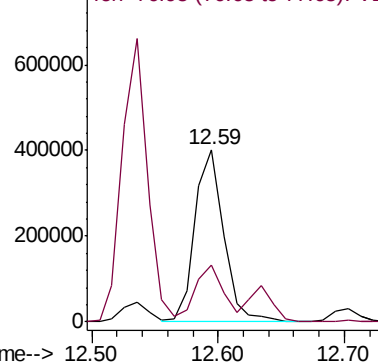
Ion Ratio Lower Upper

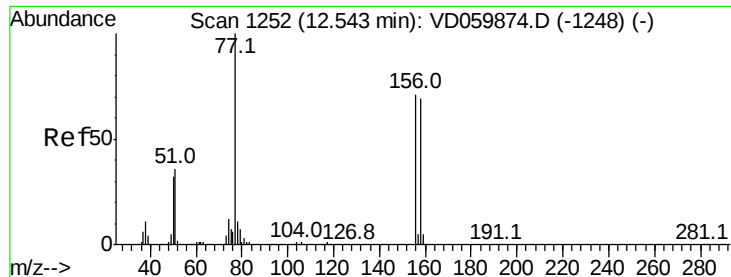
75 100

77 33.0 16.4 49.2



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





#77

Bromobenzene

Concen: 55.915 ug/l

RT: 12.54 min Scan# 1251

Delta R.T. -0.01 min

Lab File: VD059921.D

Acq: 30 Aug 2018 11:48

Instrument :

MSVOA_D

ClientSampleId :

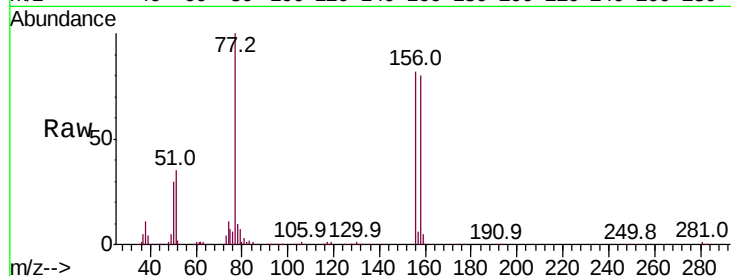
Tot Ion:156 Resp: 737572

Ion Ratio Lower Upper

156 100

77 122.4 70.2 210.4

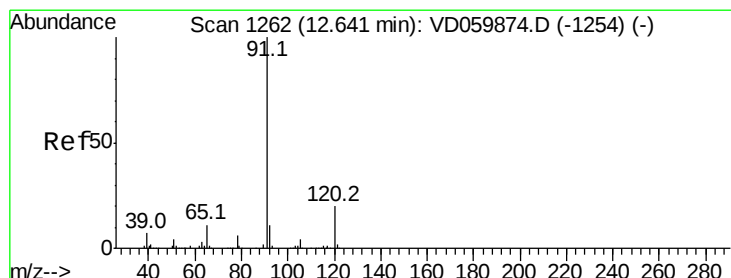
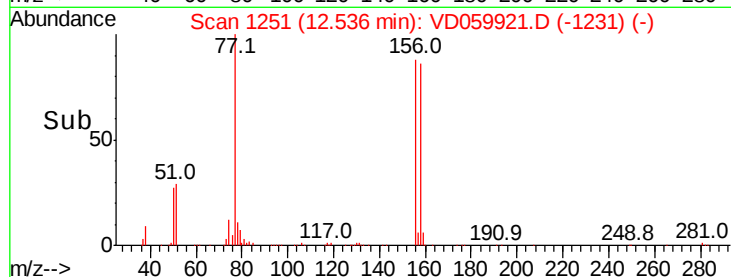
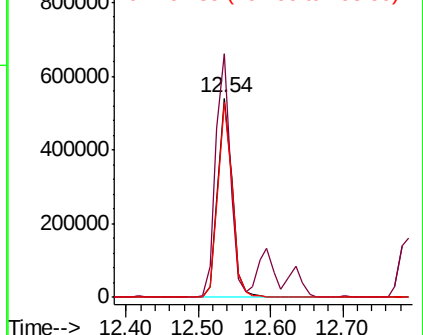
158 97.8 48.4 145.2



Abundance Ion 155.90 (155.60 to 156.60): V

Ion 76.95 (76.65 to 77.65): V

Ion 157.85 (157.55 to 158.55): V



#78

n-propylbenzene

Concen: 52.730 ug/l

RT: 12.63 min Scan# 1261

Delta R.T. -0.01 min

Lab File: VD059921.D

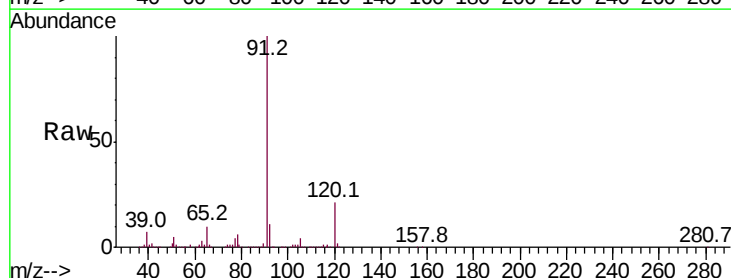
Acq: 30 Aug 2018 11:48

Tgt Ion: 91 Resp: 3176715

Ion Ratio Lower Upper

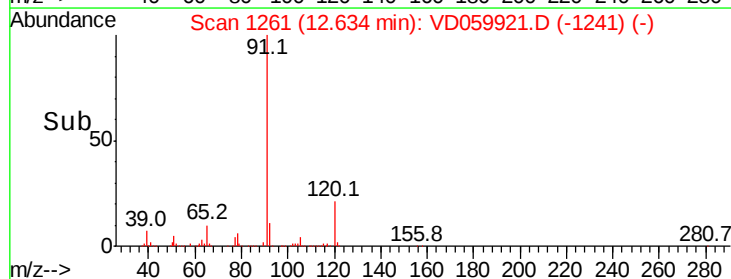
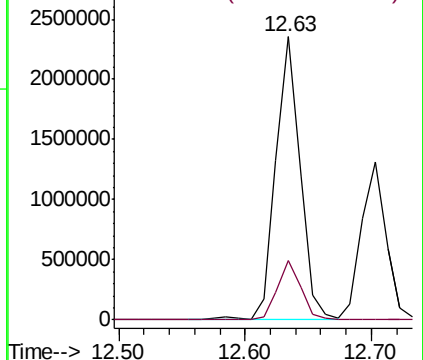
91 100

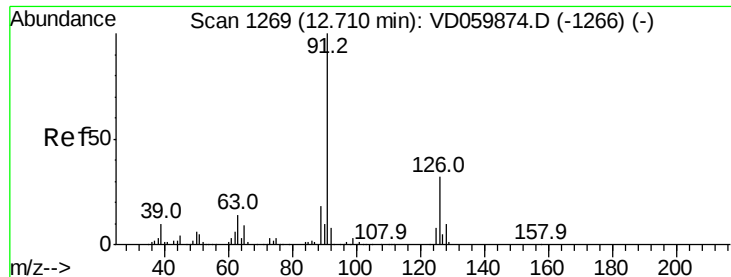
120 21.0 10.1 30.3



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 120.05 (119.75 to 120.75): V





#79

2-Chlorotoluene

Concen: 51.993 ug/l

RT: 12.70 min Scan# 1268

Delta R.T. -0.01 min

Lab File: VD059921.D

Acq: 30 Aug 2018 11:48

Instrument :

MSVOA_D

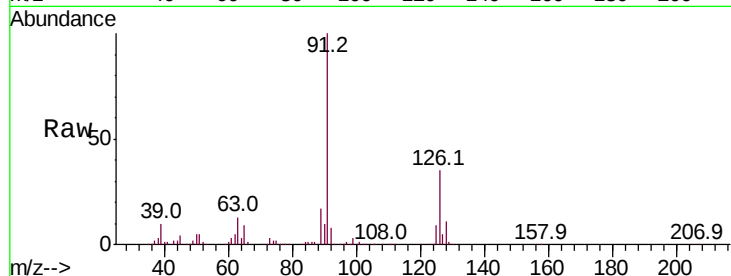
ClientSampleId :

Tot Ion: 91 Resp: 1771418

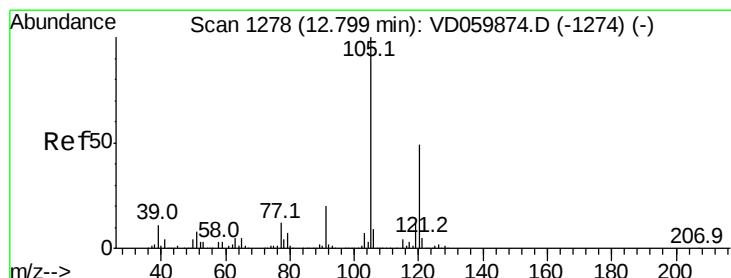
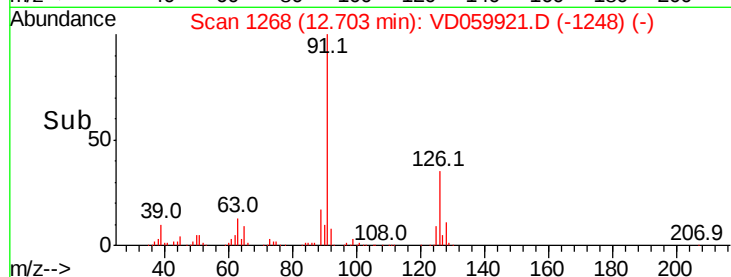
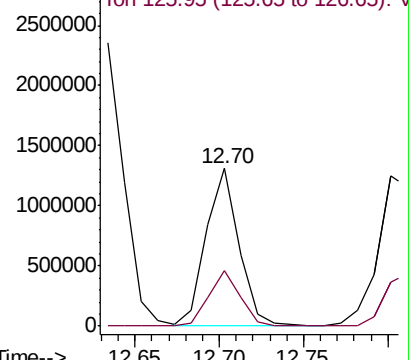
Ion Ratio Lower Upper

91 100

126 34.9 16.1 48.2



Abundance Ion 91.00 (90.70 to 91.70): V



#80

1,3,5-Trimethylbenzene

Concen: 50.656 ug/l

RT: 12.79 min Scan# 1277

Delta R.T. -0.01 min

Lab File: VD059921.D

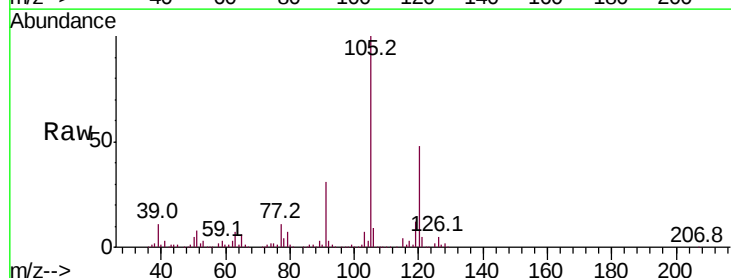
Acq: 30 Aug 2018 11:48

Tgt Ion:105 Resp: 1916098

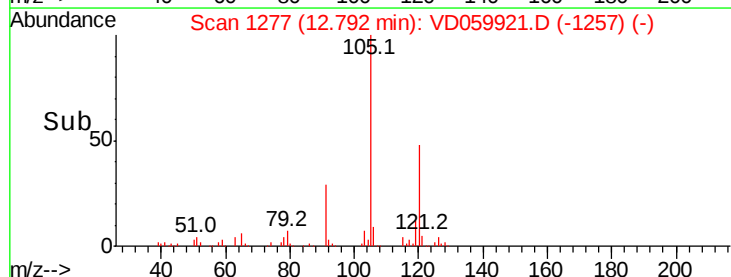
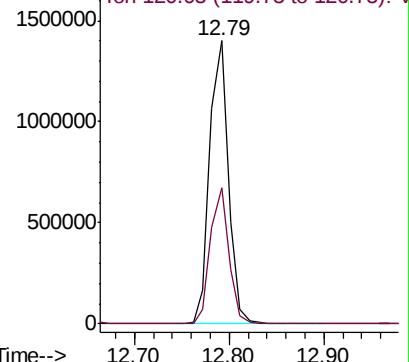
Ion Ratio Lower Upper

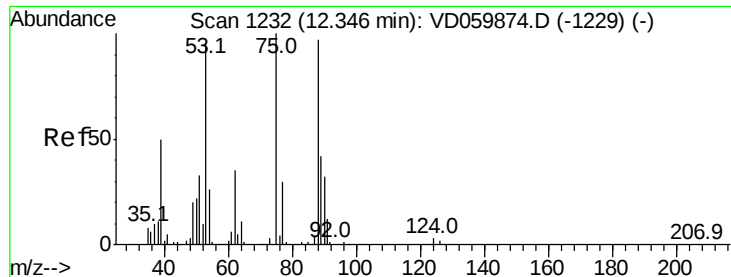
105 100

120 48.3 24.5 73.5



Abundance Ion 105.05 (104.75 to 105.75): V





#81

trans-1,4-Dichloro-2-butene

Concen: 51.621 ug/l

RT: 12.34 min Scan# 1231

Delta R.T. -0.01 min

Lab File: VD059921.D

Acq: 30 Aug 2018 11:48

Instrument :

MSVOA_D

ClientSampleId :

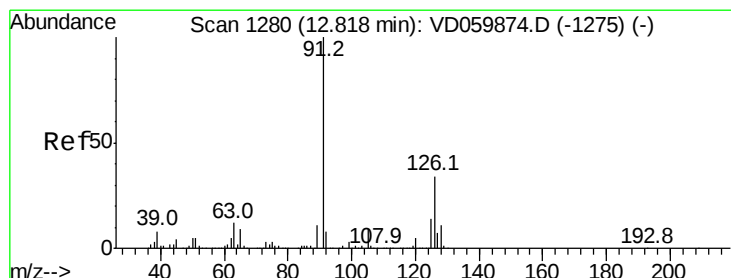
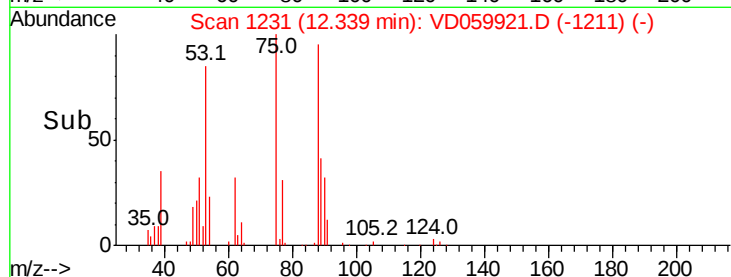
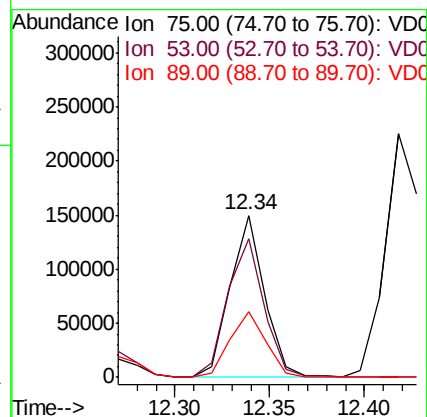
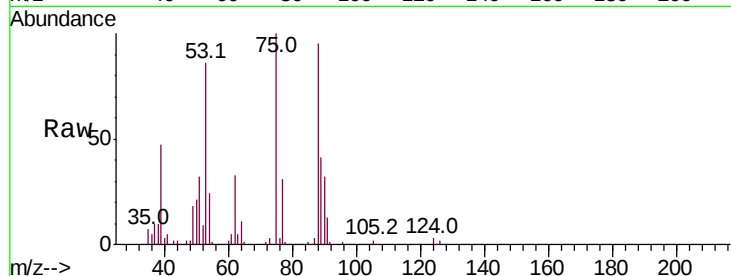
Tot Ion: 75 Resp: 186007

Ion Ratio Lower Upper

75 100

53 86.1 75.8 113.6

89 40.9 33.6 50.4



#82

4-Chlorotoluene

Concen: 50.763 ug/l

RT: 12.80 min Scan# 1278

Delta R.T. -0.02 min

Lab File: VD059921.D

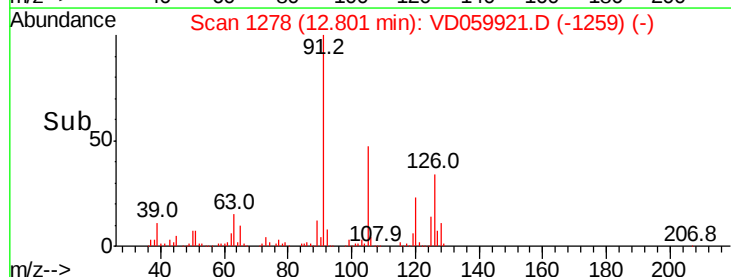
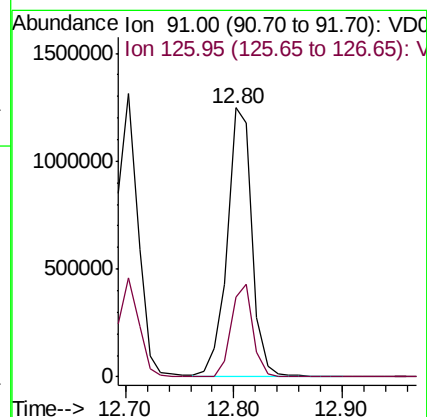
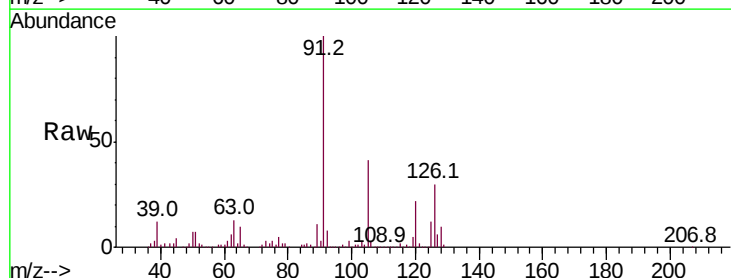
Acq: 30 Aug 2018 11:48

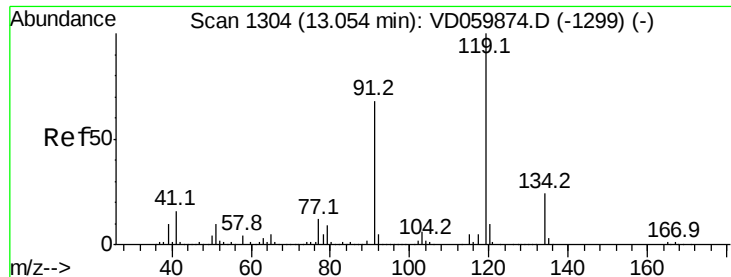
Tgt Ion: 91 Resp: 1972678

Ion Ratio Lower Upper

91 100

126 29.6 17.1 51.2

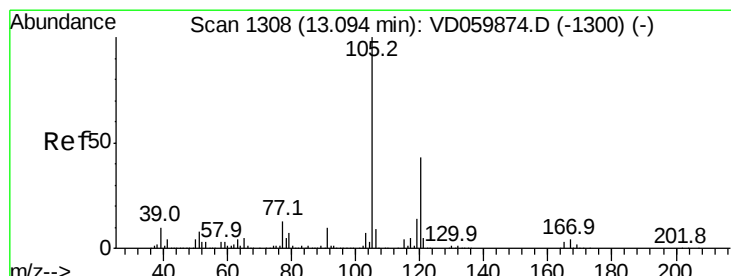
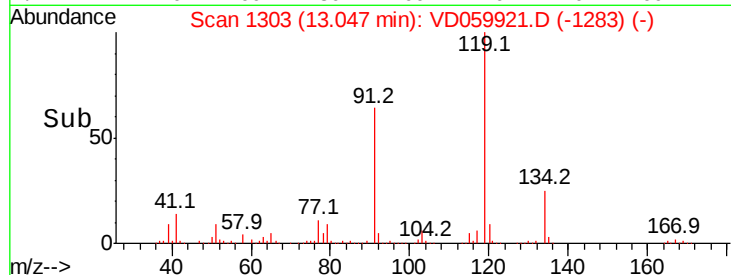
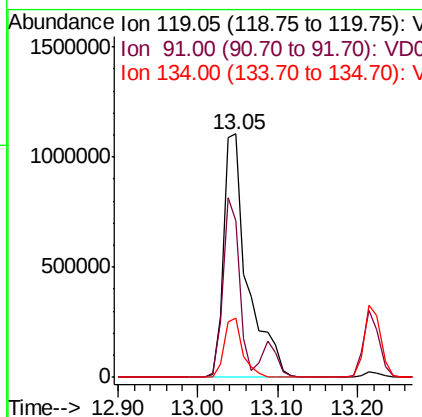
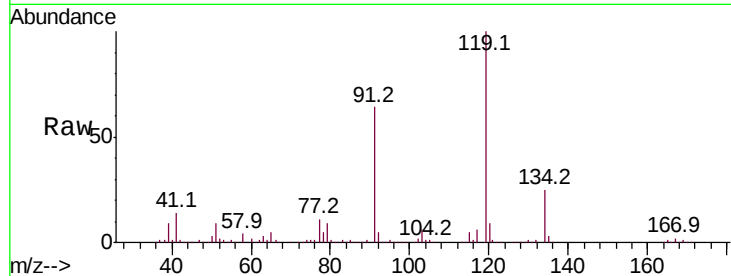




#83
 tert-Butylbenzene
 Concen: 53.809 ug/l
 RT: 13.05 min Scan# 1303
 Delta R.T. -0.01 min
 Lab File: VD059921.D
 Acq: 30 Aug 2018 11:48

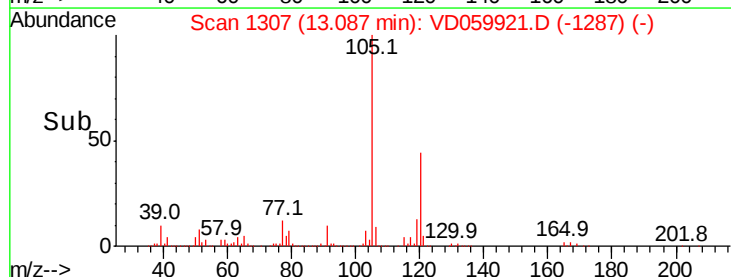
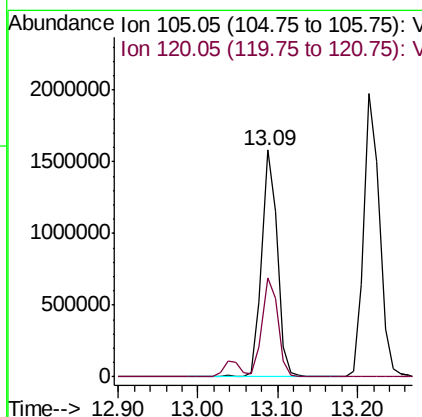
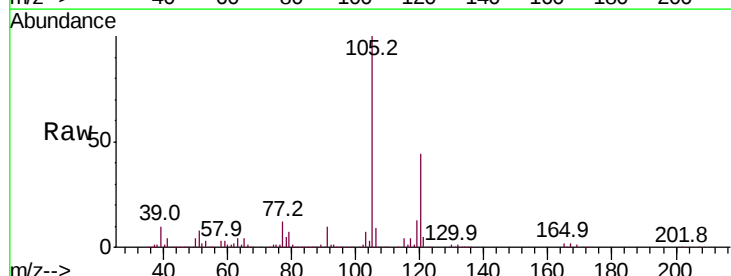
Instrument :
 MSVOA_D
 ClientSampled :

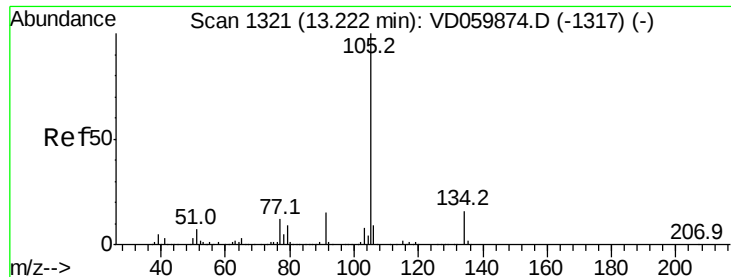
Tot Ion:119 Resp: 2318567
 Ion Ratio Lower Upper
 119 100
 91 64.5 34.3 102.9
 134 24.5 11.9 35.9



#84
 1,2,4-Trimethylbenzene
 Concen: 53.340 ug/l
 RT: 13.09 min Scan# 1307
 Delta R.T. -0.01 min
 Lab File: VD059921.D
 Acq: 30 Aug 2018 11:48

Tgt Ion:105 Resp: 2102934
 Ion Ratio Lower Upper
 105 100
 120 43.7 21.8 65.3





#85

sec-Butylbenzene

Concen: 53.208 ug/l

RT: 13.21 min Scan# 1320

Delta R.T. -0.01 min

Lab File: VD059921.D

Acq: 30 Aug 2018 11:48

Instrument :

MSVOA_D

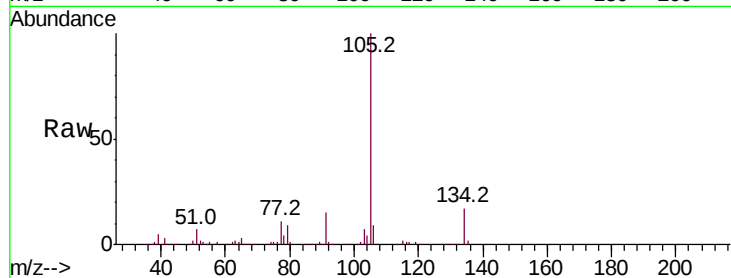
ClientSampled :

Tot Ion:105 Resp: 2696161

Ion Ratio Lower Upper

105 100

134 16.5 8.2 24.4



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 134.10 (133.80 to 134.80): V

13.21

2000000

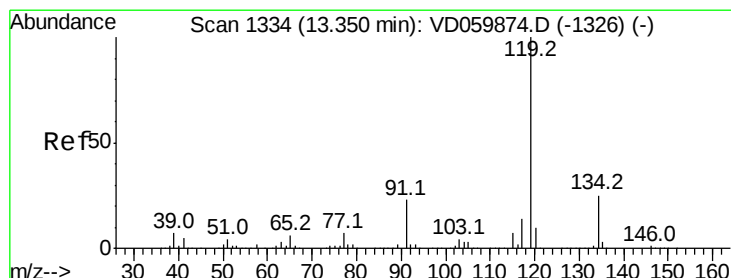
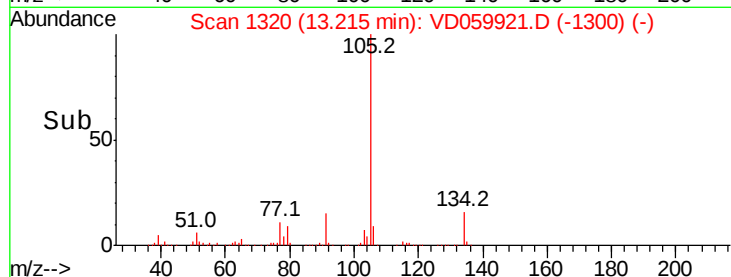
1500000

1000000

500000

0

Time-->



#86

p-Isopropyltoluene

Concen: 53.448 ug/l

RT: 13.34 min Scan# 1333

Delta R.T. -0.01 min

Lab File: VD059921.D

Acq: 30 Aug 2018 11:48

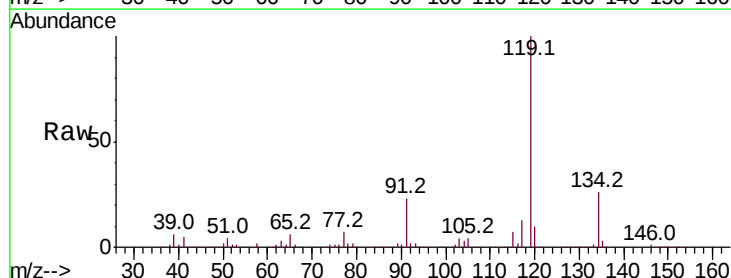
Tgt Ion:119 Resp: 2202606

Ion Ratio Lower Upper

119 100

134 25.7 12.7 38.1

91 22.6 11.7 35.0



Abundance Ion 119.05 (118.75 to 119.75): V

Ion 134.10 (133.80 to 134.80): V

Ion 91.00 (90.70 to 91.70): V

13.34

2000000

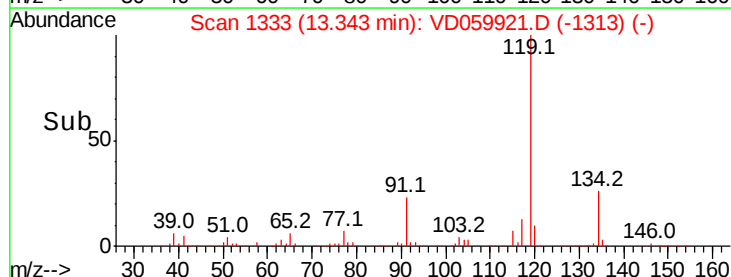
1500000

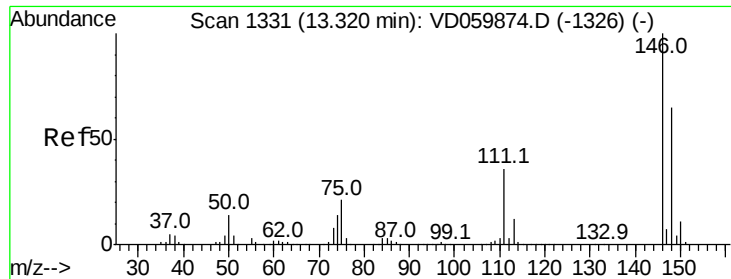
1000000

500000

0

Time-->



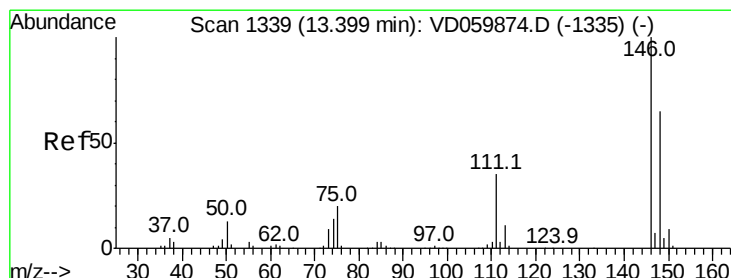
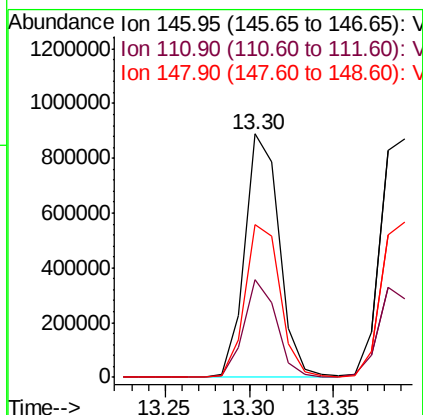
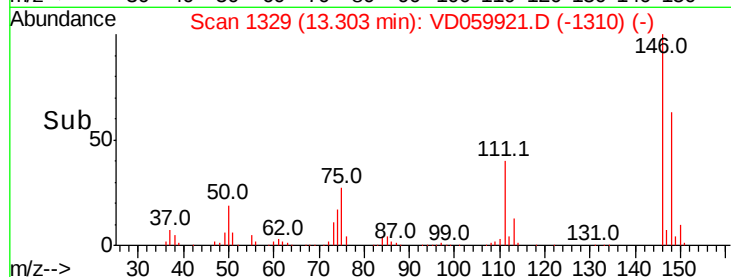
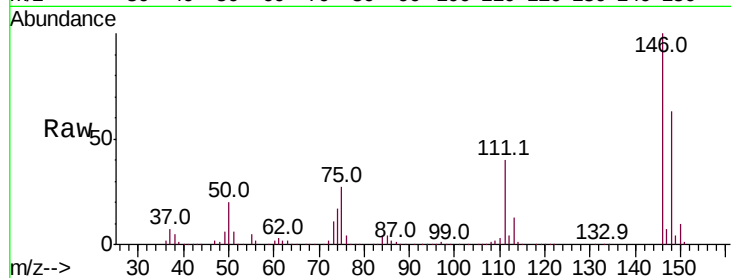


#87
 1,3-Dichlorobenzene
 Concen: 53.525 ug/l
 RT: 13.30 min Scan# 1329
 Delta R.T. -0.02 min
 Lab File: VD059921.D
 Acq: 30 Aug 2018 11:48

Instrument :
 MSVOA_D
 ClientSampled :

Tot Ion:146 Resp: 1260521

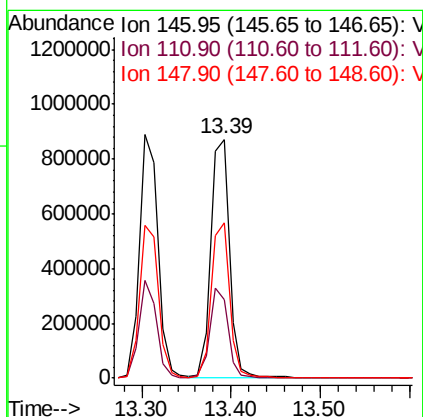
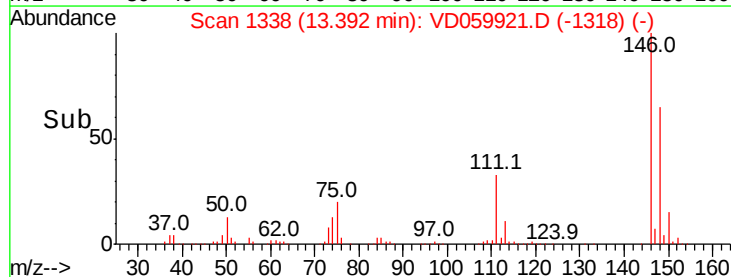
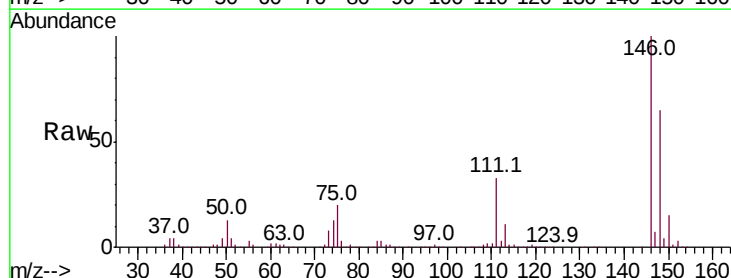
Ion	Ratio	Lower	Upper
146	100		
111	39.9	17.9	53.7
148	62.9	32.4	97.0

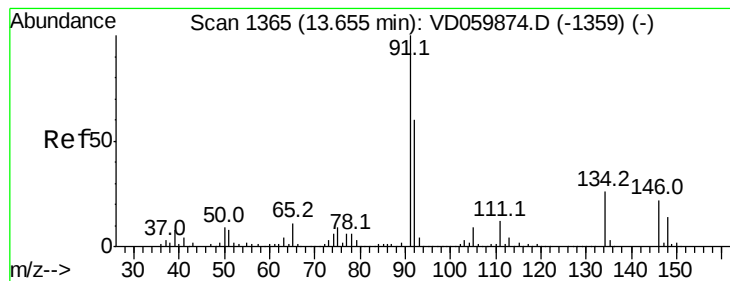


#88
 1,4-Dichlorobenzene
 Concen: 53.848 ug/l
 RT: 13.39 min Scan# 1338
 Delta R.T. -0.01 min
 Lab File: VD059921.D
 Acq: 30 Aug 2018 11:48

Tgt Ion:146 Resp: 1265193

Ion	Ratio	Lower	Upper
146	100		
111	33.0	17.5	52.6
148	65.0	32.5	97.5





#89

n-Butylbenzene

Concen: 56.853 ug/l

RT: 13.64 min Scan# 1363

Delta R.T. -0.02 min

Lab File: VD059921.D

Acq: 30 Aug 2018 11:48

Instrument :

MSVOA_D

ClientSampleId :

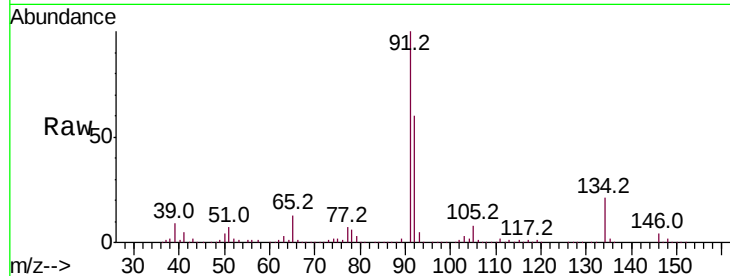
Tot Ion: 91 Resp: 2174684

Ion Ratio Lower Upper

91 100

92 59.7 30.0 90.1

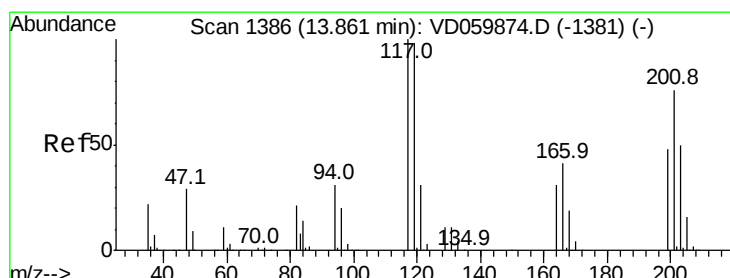
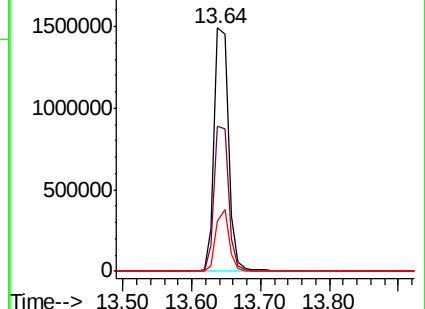
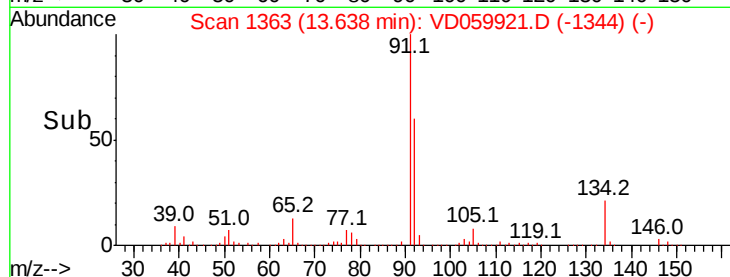
134 20.5 12.8 38.4



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 92.00 (91.70 to 92.70): V

Ion 134.10 (133.80 to 134.80): V



#90

Hexachloroethane

Concen: 51.765 ug/l

RT: 13.85 min Scan# 1385

Delta R.T. -0.01 min

Lab File: VD059921.D

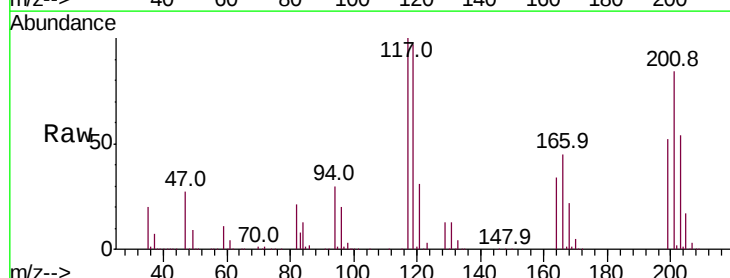
Acq: 30 Aug 2018 11:48

Tgt Ion: 117 Resp: 572799

Ion Ratio Lower Upper

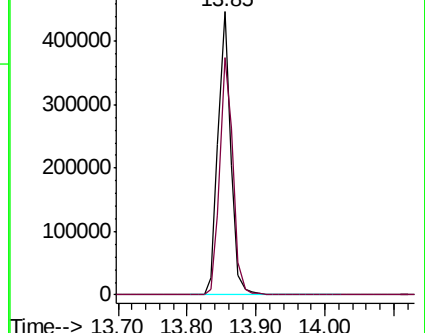
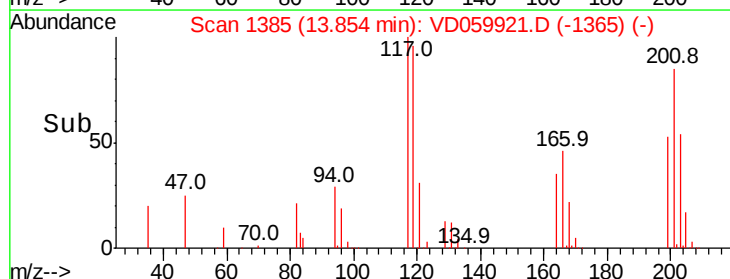
117 100

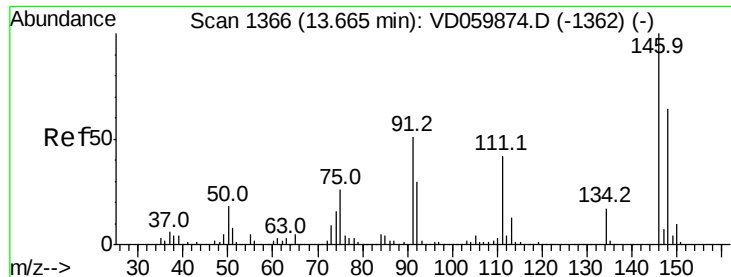
201 84.0 38.1 114.5



Abundance Ion 116.85 (116.55 to 117.55): V

Ion 200.75 (200.45 to 201.45): V

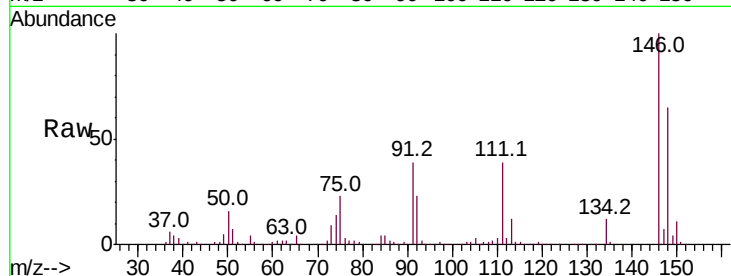




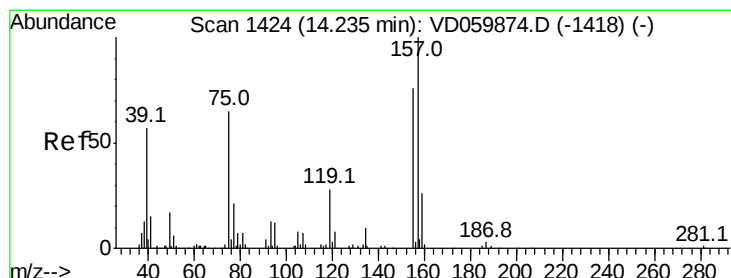
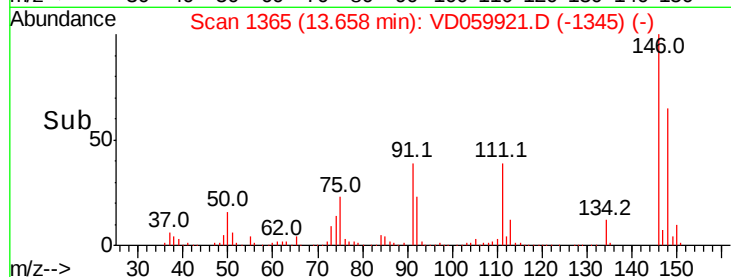
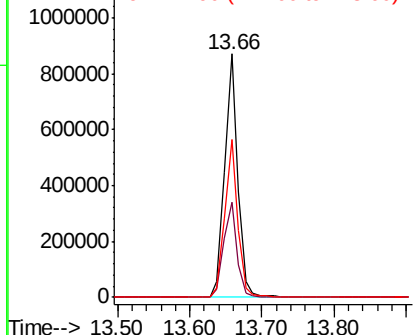
#91
 1,2-Dichlorobenzene
 Concen: 54.224 ug/l
 RT: 13.66 min Scan# 1365
 Delta R.T. -0.01 min
 Lab File: VD059921.D
 Acq: 30 Aug 2018 11:48

Instrument :
 MSVOA_D
 ClientSampled :

Tot Ion:146 Resp: 1085798
 Ion Ratio Lower Upper
 146 100
 111 38.9 21.1 63.1
 148 65.0 32.2 96.6

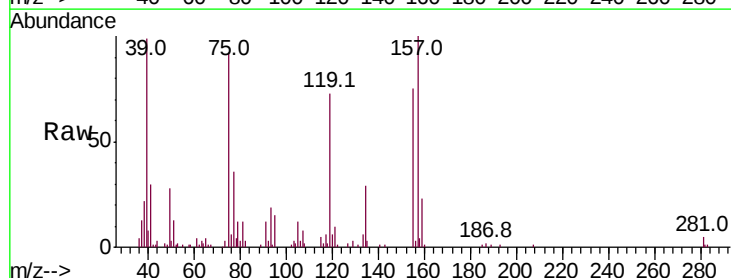


Abundance Ion 145.95 (145.65 to 146.65): V
 Ion 110.90 (110.60 to 111.60): V
 Ion 147.90 (147.60 to 148.60): V

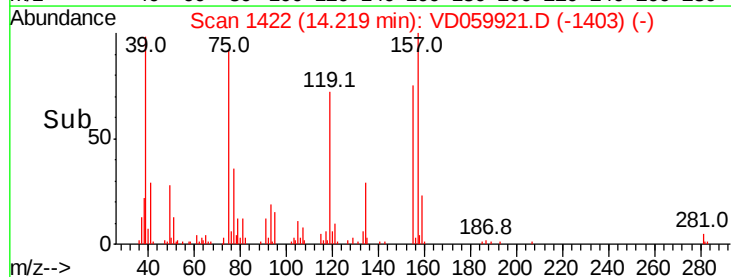
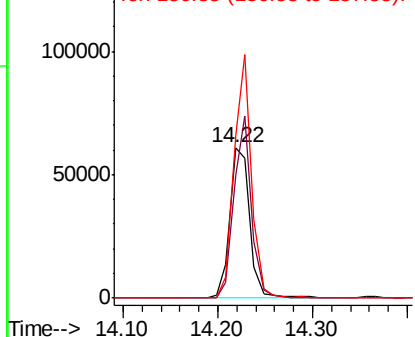


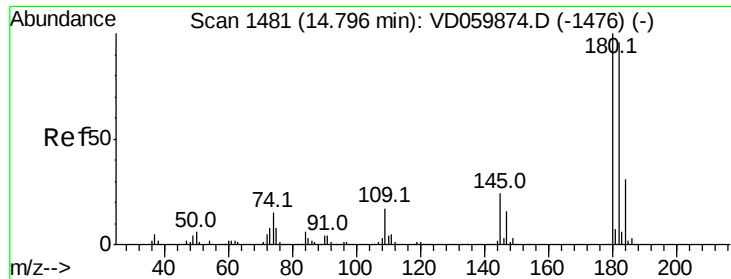
#92
 1,2-Dibromo-3-Chloropropane
 Concen: 52.962 ug/l
 RT: 14.22 min Scan# 1422
 Delta R.T. -0.02 min
 Lab File: VD059921.D
 Acq: 30 Aug 2018 11:48

Tgt Ion: 75 Resp: 89611
 Ion Ratio Lower Upper
 75 100
 155 81.5 58.2 174.6
 157 108.3 76.8 230.4



Abundance Ion 75.00 (74.70 to 75.70): V
 Ion 154.90 (154.60 to 155.60): V
 Ion 156.85 (156.55 to 157.55): V

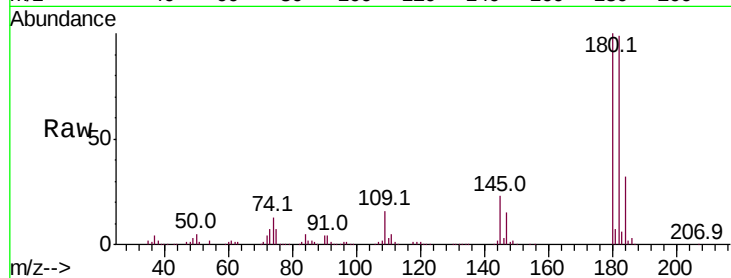




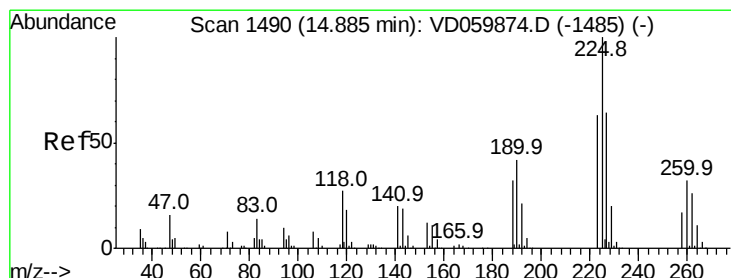
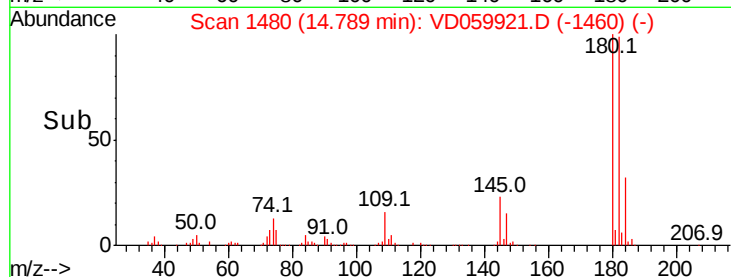
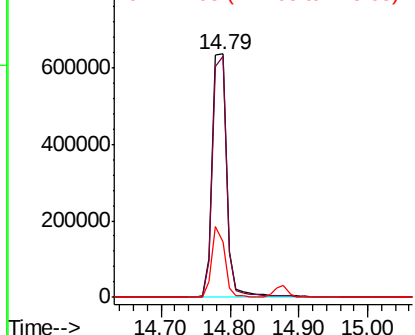
#93
 1,2,4-Trichlorobenzene
 Concen: 54.505 ug/l
 RT: 14.79 min Scan# 1480
 Delta R.T. -0.01 min
 Lab File: VD059921.D
 Acq: 30 Aug 2018 11:48

Instrument :
 MSVOA_D
 ClientSampleId :

Tot Ion:180 Resp: 934492
 Ion Ratio Lower Upper
 180 100
 182 99.0 47.9 143.7
 145 23.0 12.2 36.4

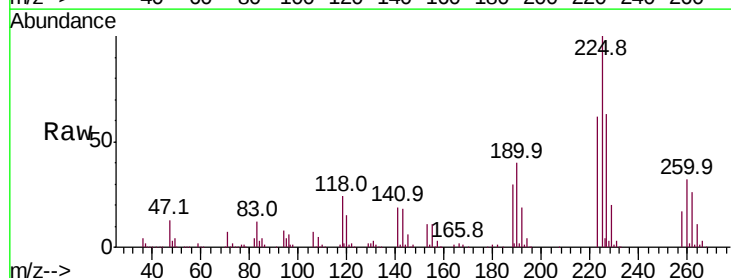


Abundance Ion 179.85 (179.55 to 180.55): V
 Ion 181.85 (181.55 to 182.55): V
 Ion 144.95 (144.65 to 145.65): V

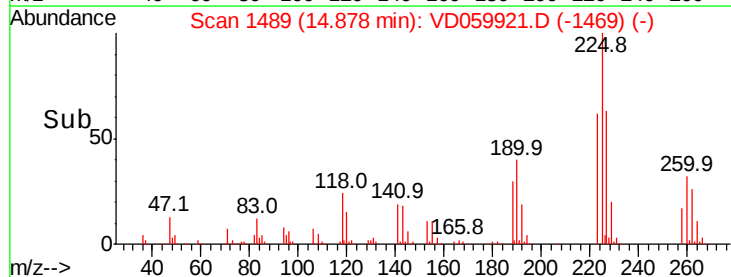
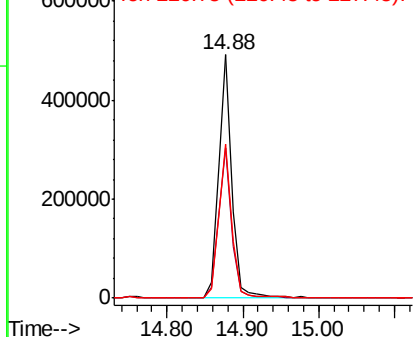


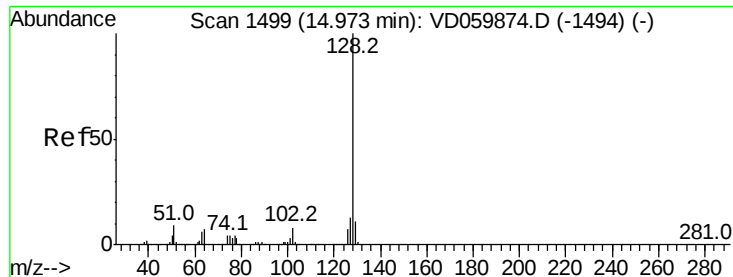
#94
 Hexachlorobutadiene
 Concen: 54.774 ug/l
 RT: 14.88 min Scan# 1489
 Delta R.T. -0.01 min
 Lab File: VD059921.D
 Acq: 30 Aug 2018 11:48

Tgt Ion:225 Resp: 615592
 Ion Ratio Lower Upper
 225 100
 223 61.6 31.6 94.8
 227 63.1 32.0 96.0



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





#95

Naphthalene

Concen: 54.142 ug/l

RT: 14.97 min Scan# 1498

Delta R.T. -0.01 min

Lab File: VD059921.D

Acq: 30 Aug 2018 11:48

Instrument :

MSVOA_D

ClientSampleId :

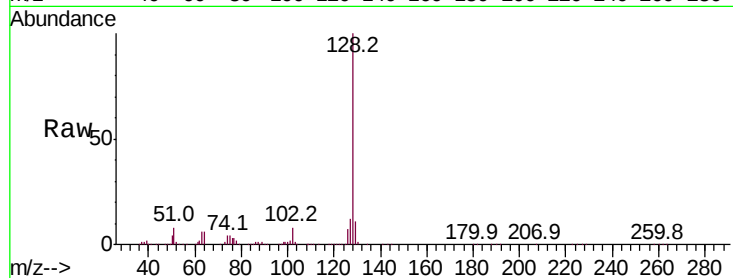
Tot Ion:128 Resp: 1418565

Ion Ratio Lower Upper

128 100

127 12.3 10.0 15.0

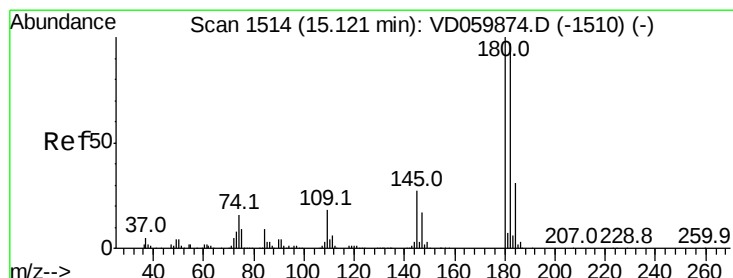
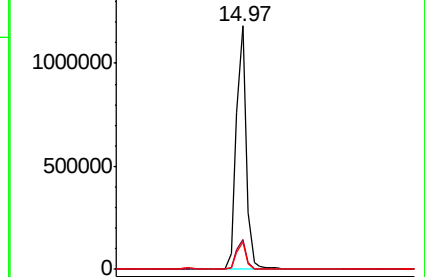
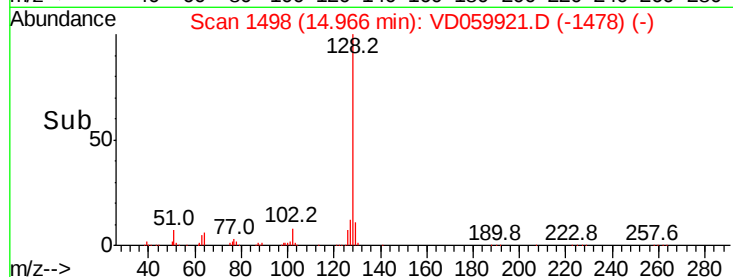
129 11.1 8.6 13.0



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: 53.755 ug/l

RT: 15.11 min Scan# 1513

Delta R.T. -0.01 min

Lab File: VD059921.D

Acq: 30 Aug 2018 11:48

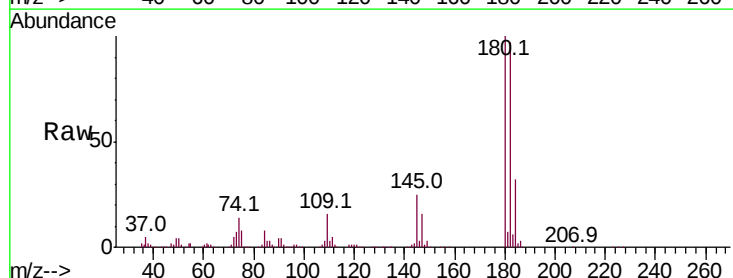
Tgt Ion:180 Resp: 788238

Ion Ratio Lower Upper

180 100

182 97.2 48.6 145.8

145 25.4 13.6 40.8



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

