

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD091318\
 Data File : VD059995.D
 Acq On : 13 Sep 2018 13:13
 Operator : JC/SY
 Sample : VSTDIC020
 Misc : 5.00g/5ml/MSVOA D/SOIL
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Sep 13 15:37:35 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D091318S.M
 Quant Title : SW846 8260
 QLast Update : Thu Sep 13 15:36:09 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	6.37	168	1508181	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	7.42	114	2106051	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.27	117	1720574	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.36	152	907145	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.76	65	236760	18.97	ug/l	0.00
Spiked Amount	50.000		Recovery	=	37.94%	
35) Dibromofluoromethane	6.30	113	317203	19.30	ug/l	0.00
Spiked Amount	50.000		Recovery	=	38.60%	
50) Toluene-d8	9.43	98	911072	20.09	ug/l	0.00
Spiked Amount	50.000		Recovery	=	40.18%	
62) 4-Bromofluorobenzene	12.42	95	350353	19.08	ug/l	0.00
Spiked Amount	50.000		Recovery	=	38.16%	

Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.56	85	257127	18.204	ug/l	99
3) Chloromethane	1.73	50	279229	22.336	ug/l	98
4) Vinyl Chloride	1.83	62	221922	22.522	ug/l	97
5) Bromomethane	2.11	94	18902	10.967	ug/l	89
6) Chloroethane	2.21	64	44553	14.712	ug/l	96
7) Trichlorofluoromethane	2.47	101	234201	20.353	ug/l	98
8) Diethyl Ether	2.79	74	52219	20.604	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	3.05	101	155167	21.946	ug/l	98
10) Methyl Iodide	3.21	142	150151	22.970	ug/l	99
11) Tert butyl alcohol	3.95	59	88658	92.687	ug/l	98
12) 1,1-Dichloroethene	3.04	96	123828	22.510	ug/l	95
13) Acrolein	2.95	56	61982	142.956	ug/l	99
14) Allyl chloride	3.49	41	253337	20.688	ug/l	99
15) Acrylonitrile	4.05	53	359598	99.441	ug/l	99
16) Acetone	3.14	43	244692	107.100	ug/l	96
17) Carbon Disulfide	3.27	76	419198	24.087	ug/l	98
18) Methyl Acetate	3.52	43	86476	18.034	ug/l	95
19) Methyl tert-butyl Ether	4.08	73	560925	18.912	ug/l	97
20) Methylene Chloride	3.68	84	387066	20.765	ug/l	97
21) trans-1,2-Dichloroethene	4.05	96	324731	21.622	ug/l	91
22) Diisopropyl ether	4.82	45	1202679	19.656	ug/l	98
23) Vinyl Acetate	4.77	43	3492509	102.218	ug/l	99
24) 1,1-Dichloroethane	4.72	63	527977	19.809	ug/l	99
25) 2-Butanone	5.59	43	706263	107.045	ug/l	98
26) 2,2-Dichloropropane	5.55	77	421225	19.028	ug/l	97
27) cis-1,2-Dichloroethene	5.56	96	348347	21.428	ug/l	97
28) Bromochloromethane	5.89	49	259092	20.681	ug/l	97
29) Tetrahydrofuran	5.92	42	328889	100.865	ug/l	98
30) Chloroform	6.07	83	541230	19.946	ug/l	99
31) Cyclohexane	6.33	56	512567	20.593	ug/l	97
32) 1,1,1-Trichloroethane	6.26	97	449766	19.578	ug/l	99
36) 1,1-Dichloropropene	6.49	75	407727	20.868	ug/l	99
37) Ethyl Acetate	5.67	43	286644	19.390	ug/l	97
38) Carbon Tetrachloride	6.46	117	375488	19.156	ug/l	100

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	8.01	83	472498	22.179	ug/l	100
40) Benzene	6.76	78	1076953	21.160	ug/l	98
41) Methacrylonitrile	5.92	41	328884	43.814	ug/l #	77
42) 1,2-Dichloroethane	6.87	62	317654	19.867	ug/l	98
43) Isopropyl Acetate	8.32	43	368436	19.030	ug/l #	99
44) Trichloroethene	7.71	130	323445	21.440	ug/l	97
45) 1,2-Dichloropropane	8.08	63	281226	20.004	ug/l	99
46) Dibromomethane	8.19	93	183677	20.298	ug/l	92
47) Bromodichloromethane	8.47	83	399344	19.667	ug/l	98
48) Methyl methacrylate	8.22	41	210443	18.676	ug/l	96
49) 1,4-Dioxane	8.21	88	42505	416.331	ug/l	93
51) 4-Methyl-2-Pentanone	9.33	43	1536486	111.312	ug/l	99
52) Toluene	9.52	92	688227	21.133	ug/l	99
53) t-1,3-Dichloropropene	9.90	75	366671	19.576	ug/l	99
54) cis-1,3-Dichloropropene	9.08	75	437535	19.897	ug/l	98
55) 1,1,2-Trichloroethane	10.16	97	231039	19.681	ug/l	97
56) Ethyl methacrylate	10.02	69	258789	19.246	ug/l	98
57) 1,3-Dichloropropane	10.37	76	352446	20.715	ug/l	96
58) 2-Chloroethyl Vinyl ether	8.90	63	672184	104.354	ug/l	98
59) 2-Hexanone	10.47	43	1113559	109.392	ug/l	97
60) Dibromochloromethane	10.63	129	285563	19.387	ug/l	98
61) 1,2-Dibromoethane	10.74	107	245277	20.680	ug/l	97
64) Tetrachloroethene	10.23	164	303717	22.001	ug/l	99
65) Chlorobenzene	11.29	112	752740	21.450	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.40	131	261865	20.706	ug/l	98
67) Ethyl Benzene	11.41	91	1292756	22.051	ug/l	98
68) m/p-Xylenes	11.55	106	976295	45.297	ug/l	96
69) o-Xylene	11.92	106	466458	22.189	ug/l	100
70) Styrene	11.94	104	792923	21.935	ug/l	98
71) Bromoform	12.10	173	211470	19.359	ug/l #	96
73) Isopropylbenzene	12.27	105	1224821	20.758	ug/l	99
74) N-amyl acetate	12.12	43	477891	18.963	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.55	83	267755	19.743	ug/l	98
76) 1,2,3-Trichloropropane	12.58	75	274183	19.408	ug/l	98
77) Bromobenzene	12.52	156	359532	21.997	ug/l	87
78) n-propylbenzene	12.62	91	1583100	21.283	ug/l	95
79) 2-Chlorotoluene	12.69	91	883732	21.037	ug/l	95
80) 1,3,5-Trimethylbenzene	12.78	105	972654	20.830	ug/l	97
81) trans-1,4-Dichloro-2-buten	12.33	75	81446	18.674	ug/l	94
82) 4-Chlorotoluene	12.80	91	1005691	21.116	ug/l	94
83) tert-Butylbenzene	13.04	119	1122172	21.158	ug/l	96
84) 1,2,4-Trimethylbenzene	13.09	105	1039666	21.440	ug/l	97
85) sec-Butylbenzene	13.21	105	1326021	21.309	ug/l	96
86) p-Isopropyltoluene	13.33	119	1096020	21.453	ug/l	97
87) 1,3-Dichlorobenzene	13.30	146	616990	21.160	ug/l	96
88) 1,4-Dichlorobenzene	13.38	146	645991	22.124	ug/l	99
89) n-Butylbenzene	13.64	91	1105692	21.665	ug/l	97
90) Hexachloroethane	13.84	117	253727	18.750	ug/l	80
91) 1,2-Dichlorobenzene	13.65	146	556862	22.659	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.22	75	36916	18.202	ug/l	74

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Quant Title : SW846 8260
QLast Update : Thu Sep 13 15:36:09 2018
Response via : Initial Calibration

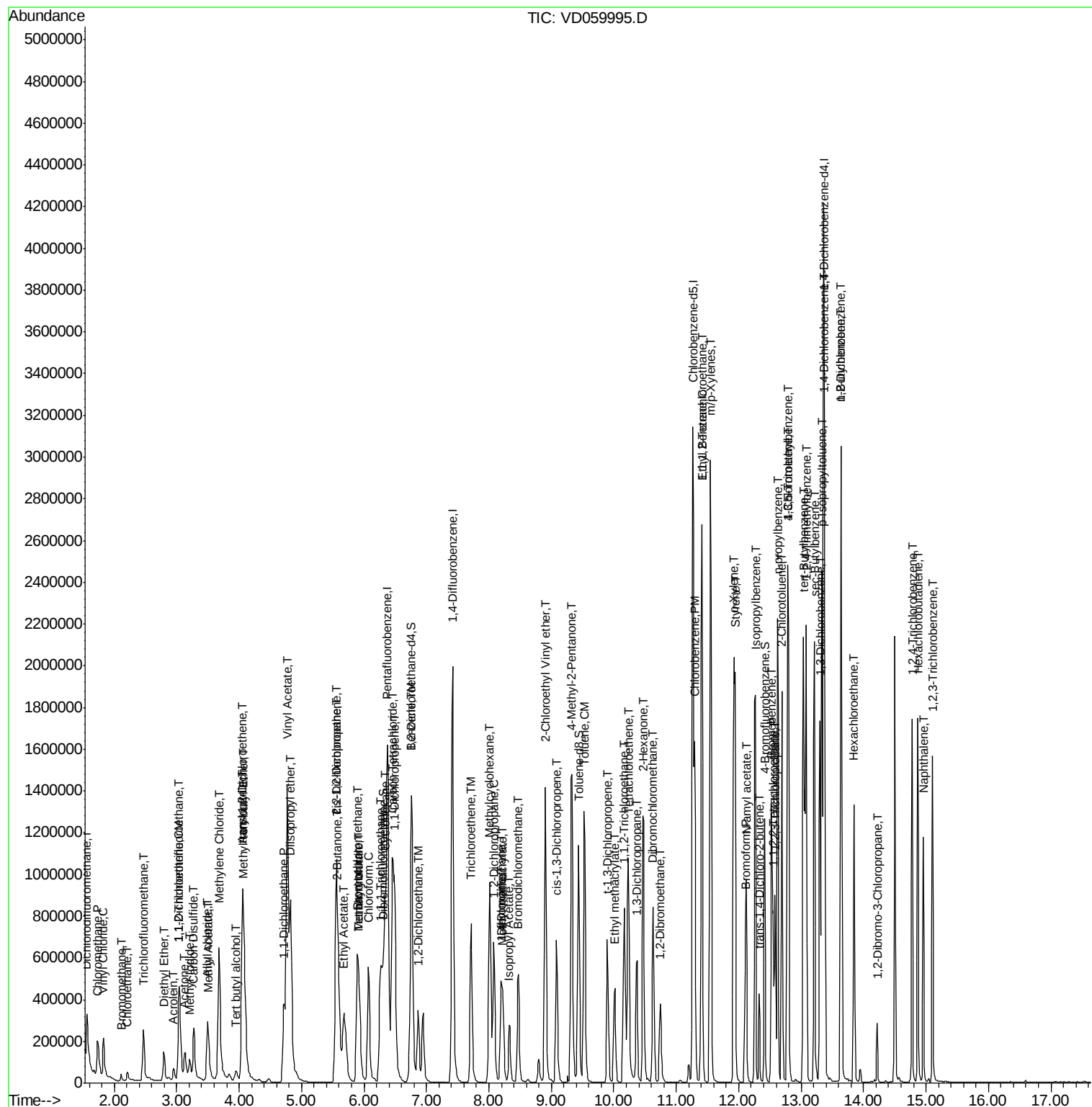
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.78	180	452001	21.385	ug/l	98
94) Hexachlorobutadiene	14.87	225	293477	21.115	ug/l	98
95) Naphthalene	14.96	128	656390	20.412	ug/l	99
96) 1,2,3-Trichlorobenzene	15.10	180	397190	21.914	ug/l	98

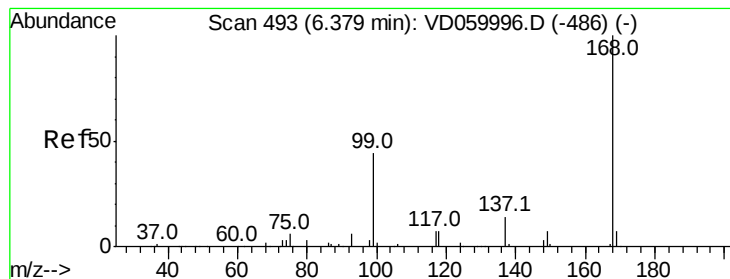
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Thu Sep 13 15:36:09 2018
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 6.37 min Scan# 493

Delta R.T. -0.00 min

Lab File: VD059995.D

Acq: 13 Sep 2018 13:13

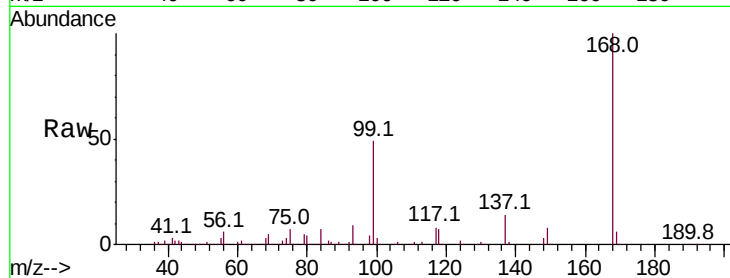
Instrument :
MSVOA_D
ClientSampled :

Tot Ion:168 Resp: 1508181

Ion Ratio Lower Upper

168 100

99 49.2 38.5 57.7



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC

6.37

500000

400000

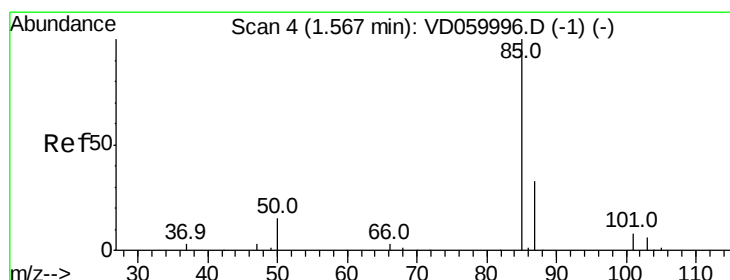
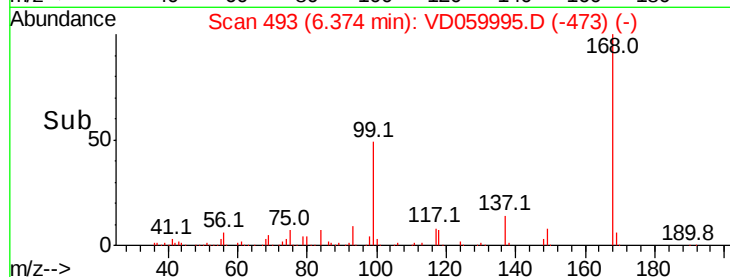
300000

200000

100000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 18.204 ug/l

RT: 1.56 min Scan# 4

Delta R.T. -0.00 min

Lab File: VD059995.D

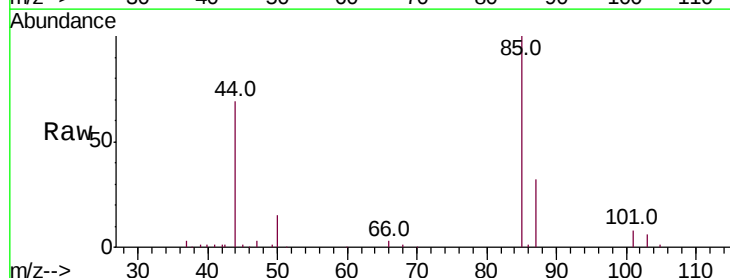
Acq: 13 Sep 2018 13:13

Tgt Ion: 85 Resp: 257127

Ion Ratio Lower Upper

85 100

87 32.1 16.4 49.1



Abundance Ion 84.95 (84.65 to 85.65): VDC

Ion 86.90 (86.60 to 87.60): VDC

1.56

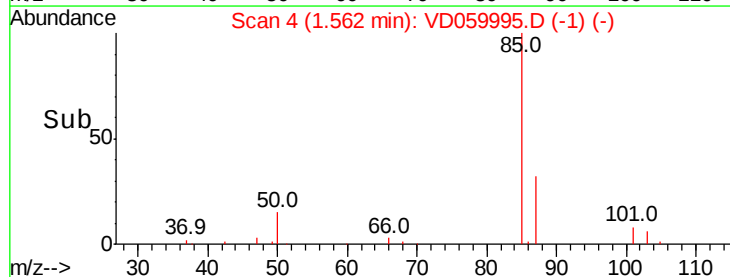
150000

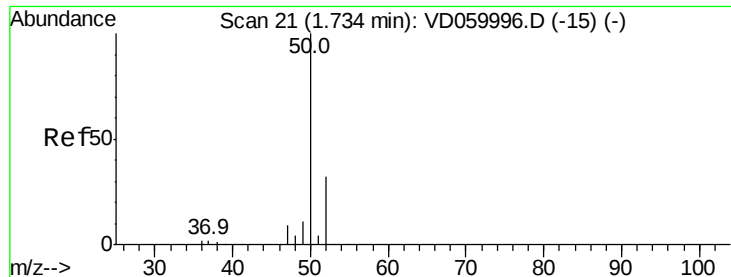
100000

50000

0

Time-->





#3

Chloromethane

Concen: 22.336 ug/l

RT: 1.73 min Scan# 21

Delta R.T. -0.00 min

Lab File: VD059995.D

Acq: 13 Sep 2018 13:13

Instrument :

MSVOA_D

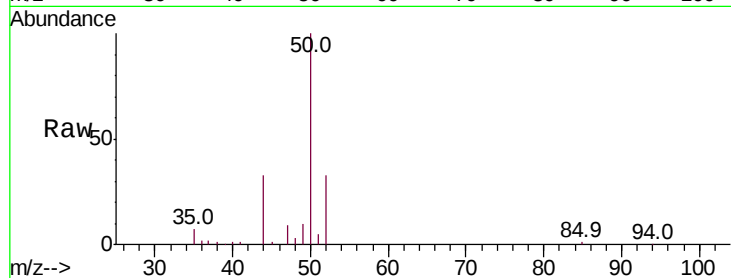
ClientSampled :

Tot Ion: 50 Resp: 279229

Ion Ratio Lower Upper

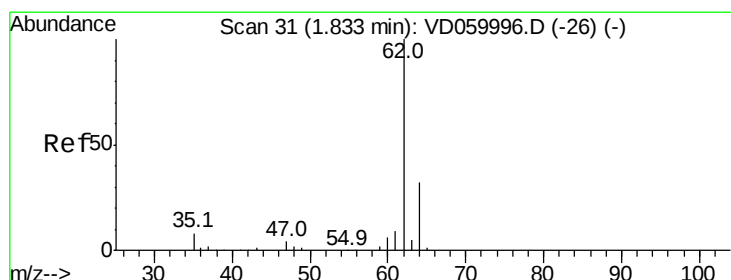
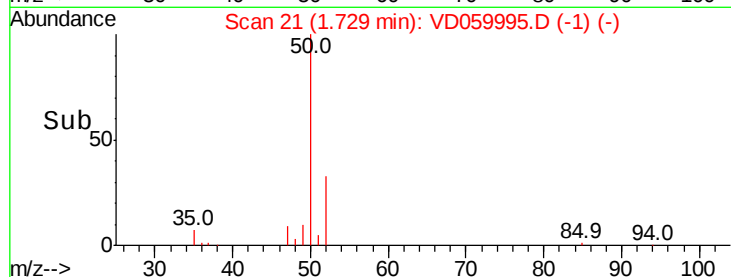
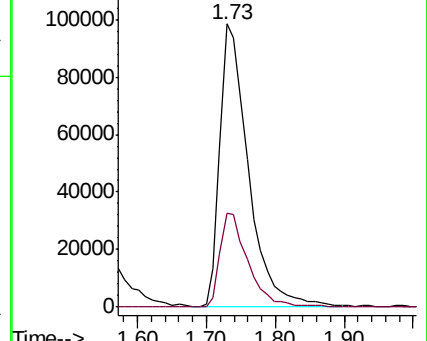
50 100

52 33.0 25.4 38.2



Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC



#4

Vinyl Chloride

Concen: 22.522 ug/l

RT: 1.83 min Scan# 31

Delta R.T. -0.00 min

Lab File: VD059995.D

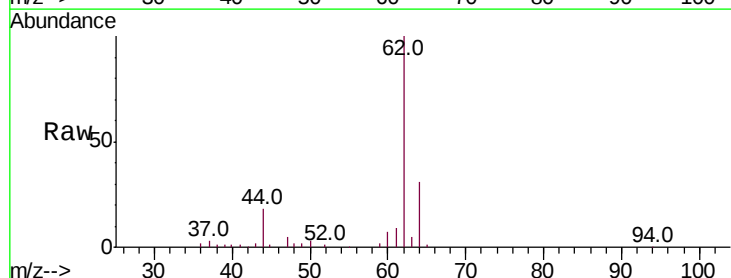
Acq: 13 Sep 2018 13:13

Tgt Ion: 62 Resp: 221922

Ion Ratio Lower Upper

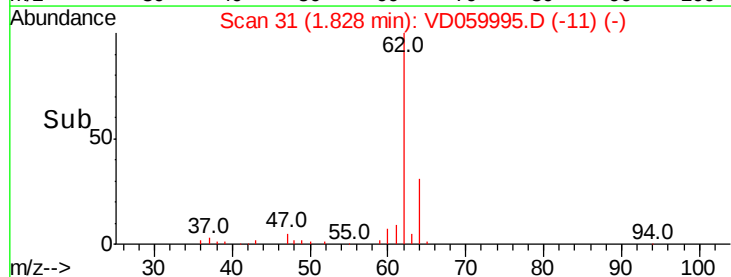
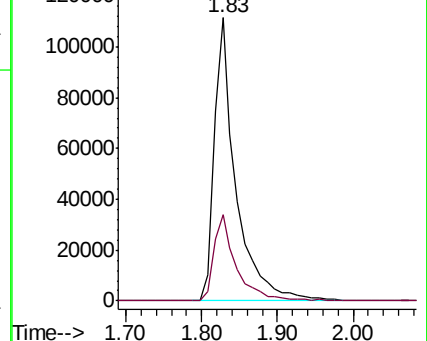
62 100

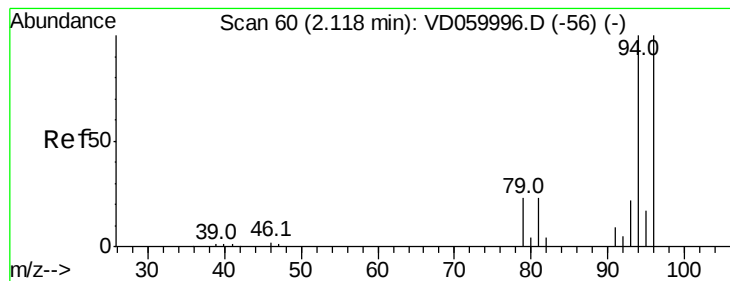
64 30.5 25.5 38.3



Abundance Ion 61.95 (61.65 to 62.65): VDC

Ion 63.95 (63.65 to 64.65): VDC





#5

Bromomethane

Concen: 10.967 ug/l

RT: 2.11 min Scan# 60

Delta R.T. -0.00 min

Lab File: VD059995.D

Acq: 13 Sep 2018 13:13

Instrument :

MSVOA_D

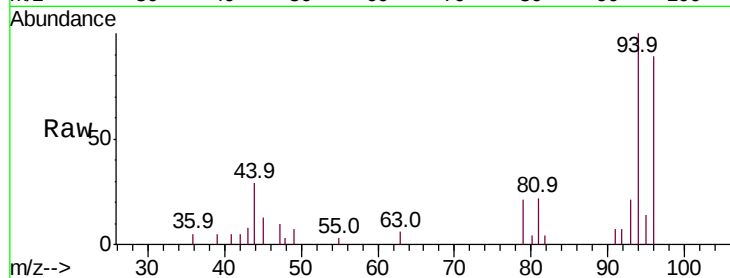
ClientSampleId :

Tot Ion: 94 Resp: 18902

Ion Ratio Lower Upper

94 100

96 88.5 79.8 119.8



Abundance Ion 93.90 (93.60 to 94.60): VDC

Ion 95.90 (95.60 to 96.60): VDC

2.11

12000

10000

8000

6000

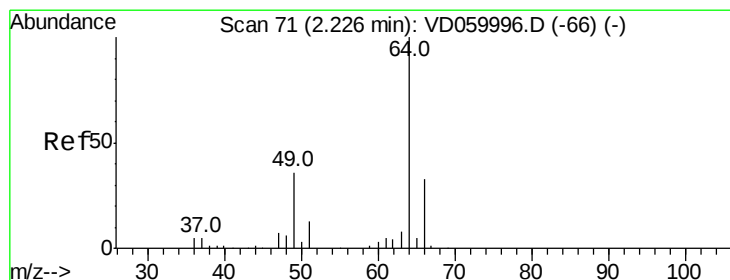
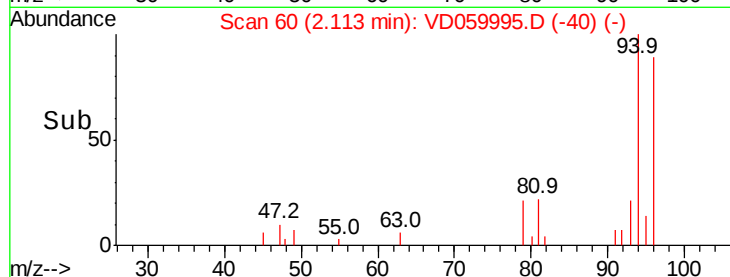
4000

2000

0

Time-->

2.05 2.10 2.15 2.20



#6

Chloroethane

Concen: 14.712 ug/l

RT: 2.21 min Scan# 70

Delta R.T. -0.01 min

Lab File: VD059995.D

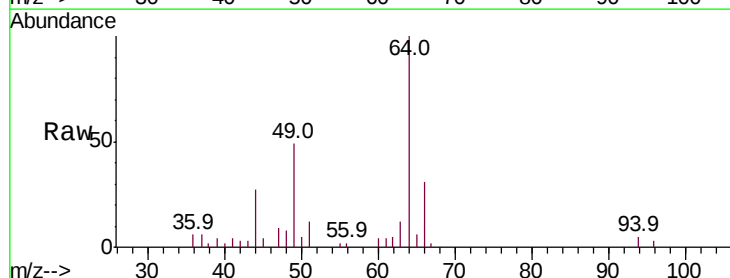
Acq: 13 Sep 2018 13:13

Tgt Ion: 64 Resp: 44553

Ion Ratio Lower Upper

64 100

66 30.9 26.5 39.7



Abundance Ion 63.95 (63.65 to 64.65): VDC

Ion 65.90 (65.60 to 66.60): VDC

2.21

20000

15000

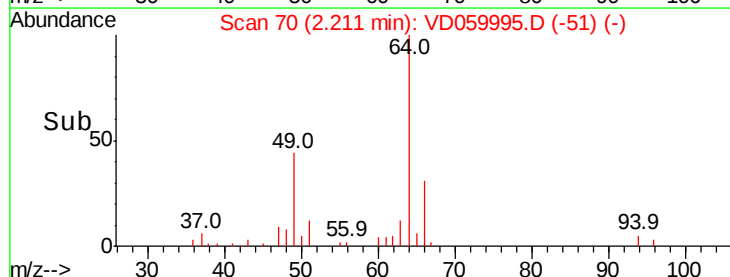
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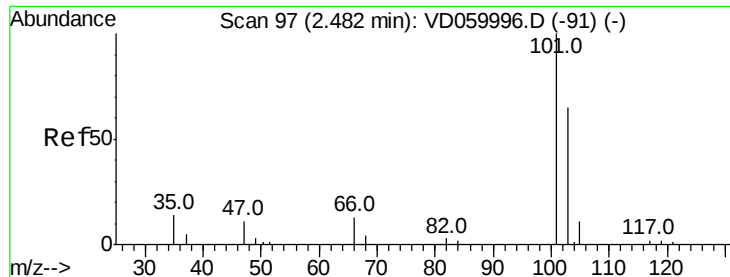
5000

0

Time-->

2.10 2.20 2.30 2.40





#7

Trichlorofluoromethane

Concen: 20.353 ug/l

RT: 2.47 min Scan# 96

Delta R.T. -0.01 min

Lab File: VD059995.D

Acq: 13 Sep 2018 13:13

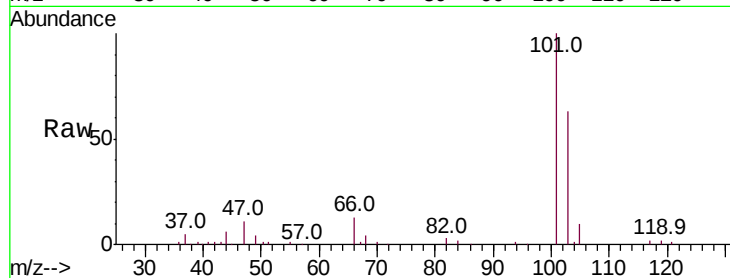
Instrument :
MSVOA_D
ClientSampleId :

Tot Ion:101 Resp: 234201

Ion Ratio Lower Upper

101 100

103 62.9 51.6 77.4



Abundance Ion 100.85 (100.55 to 101.55): V

Ion 102.85 (102.55 to 103.55): V

2.47

120000

100000

80000

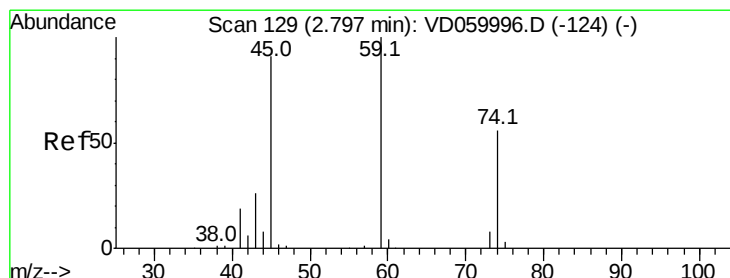
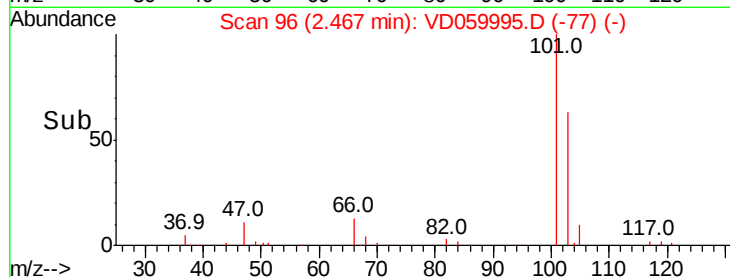
60000

40000

20000

0

Time--> 2.30 2.40 2.50 2.60 2.70



#8

Diethyl Ether

Concen: 20.604 ug/l

RT: 2.79 min Scan# 129

Delta R.T. -0.00 min

Lab File: VD059995.D

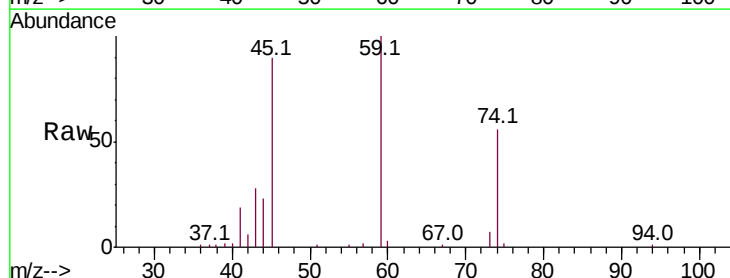
Acq: 13 Sep 2018 13:13

Tgt Ion: 74 Resp: 52219

Ion Ratio Lower Upper

74 100

45 160.8 81.2 243.4



Abundance Ion 74.00 (73.70 to 74.70): VDC

Ion 45.05 (44.75 to 45.75): VDC

2.79

40000

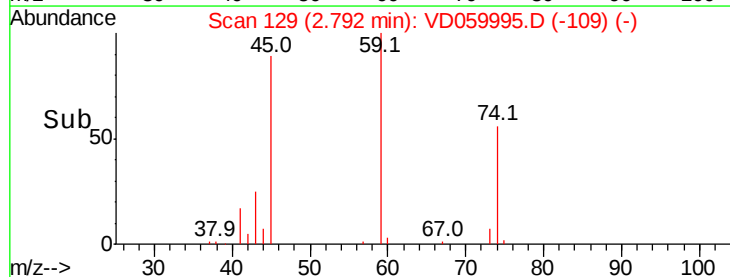
30000

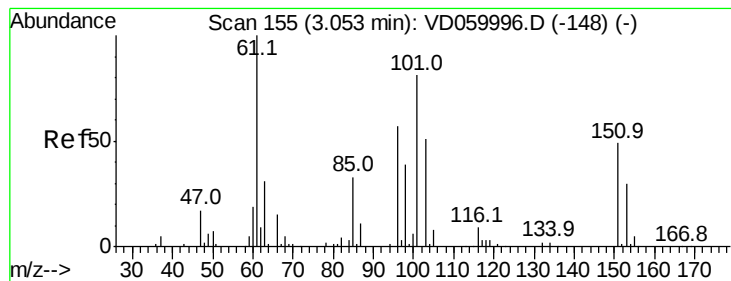
20000

10000

0

Time--> 2.70 2.80 2.90 3.00





#9

1,1,2-Trichlorotrifluoroethane

Concen: 21.946 ug/l

RT: 3.05 min Scan# 155

Delta R.T. -0.00 min

Lab File: VD059995.D

Acq: 13 Sep 2018 13:13

Instrument :

MSVOA_D

ClientSampleId :

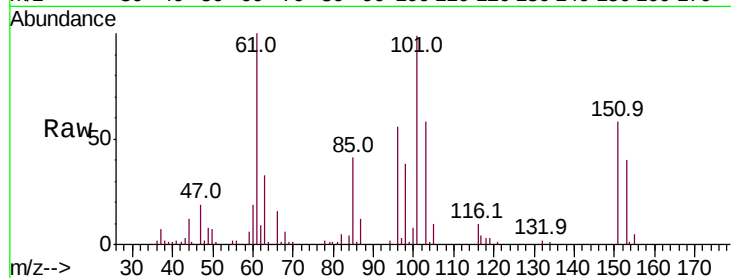
Tot Ion:101 Resp: 155167

Ion Ratio Lower Upper

101 100

85 41.0 33.1 49.7

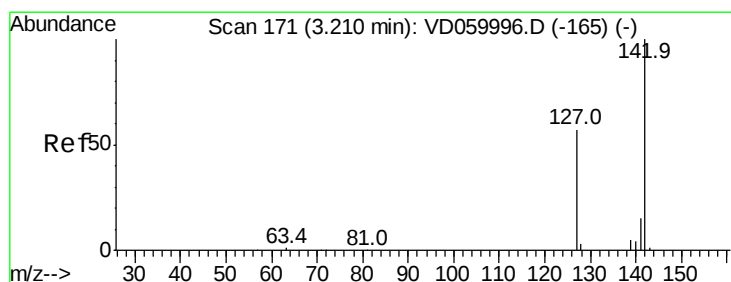
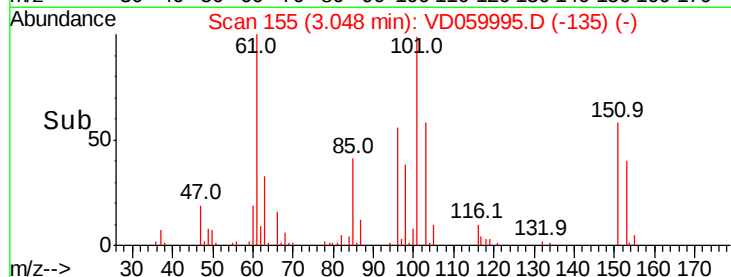
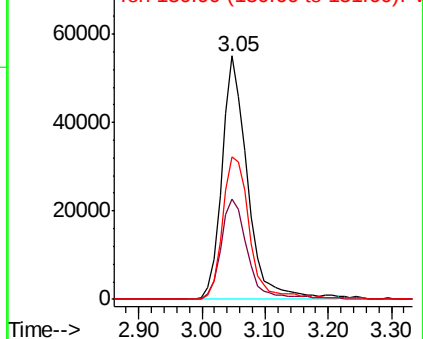
151 58.6 48.2 72.4



Abundance Ion 100.85 (100.55 to 101.55): V

Ion 84.95 (84.65 to 85.65): V

Ion 150.90 (150.60 to 151.60): V



#10

Methyl Iodide

Concen: 22.970 ug/l

RT: 3.21 min Scan# 171

Delta R.T. -0.00 min

Lab File: VD059995.D

Acq: 13 Sep 2018 13:13

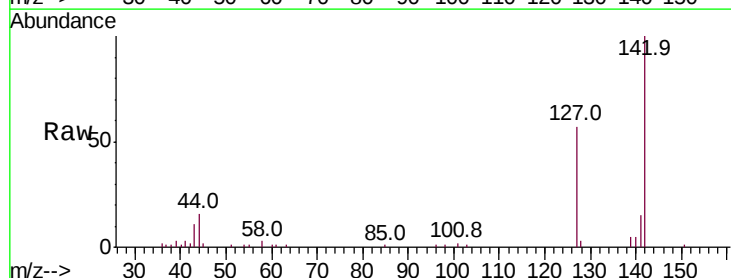
Tgt Ion:142 Resp: 150151

Ion Ratio Lower Upper

142 100

127 56.9 45.8 68.8

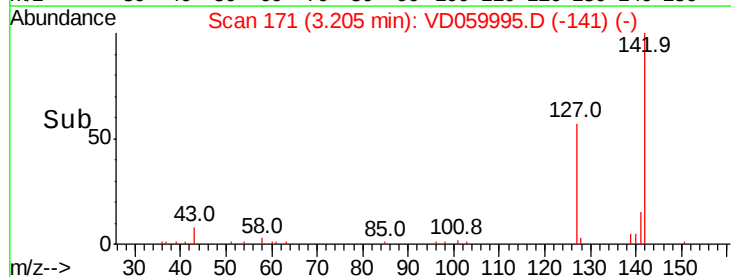
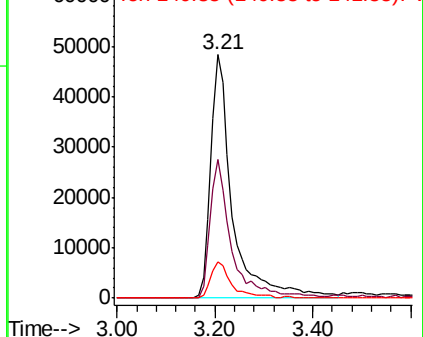
141 15.0 12.2 18.4

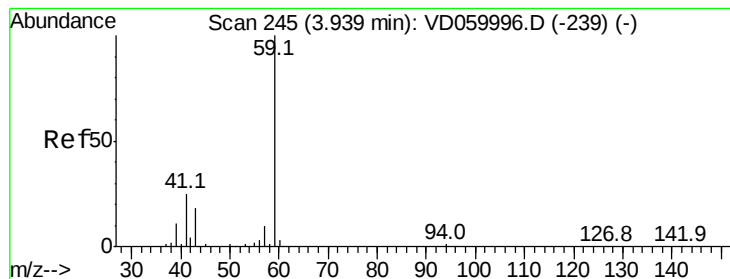


Abundance Ion 141.85 (141.55 to 142.55): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.85 (140.55 to 141.55): V



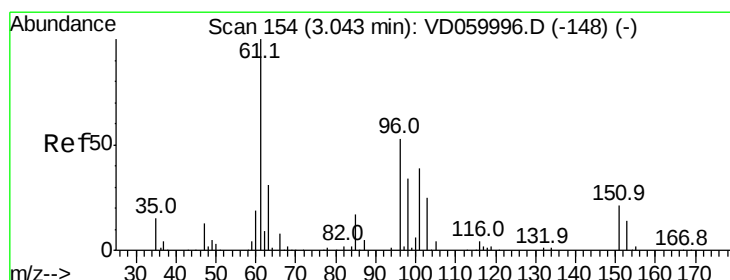
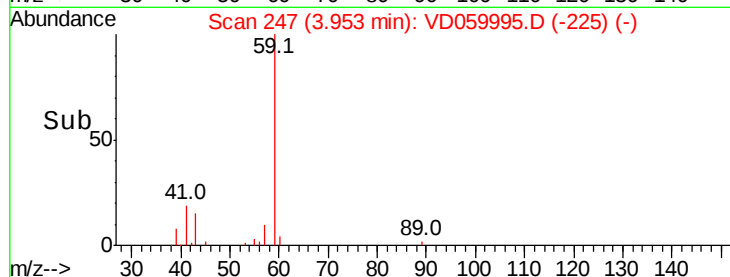
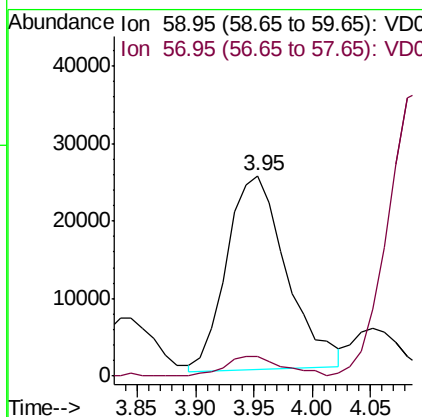
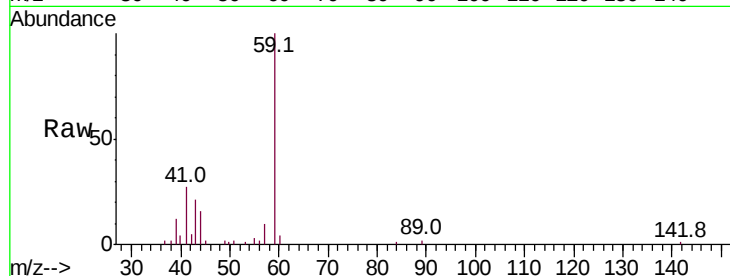


#11

Tert butyl alcohol
 Concen: 92.687 ug/l
 RT: 3.95 min Scan# 247
 Delta R.T. 0.01 min
 Lab File: VD059995.D
 Acq: 13 Sep 2018 13:13

Instrument :
 MSVOA_D
 ClientSampleId :

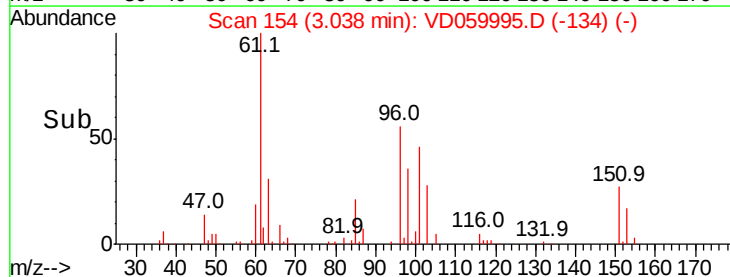
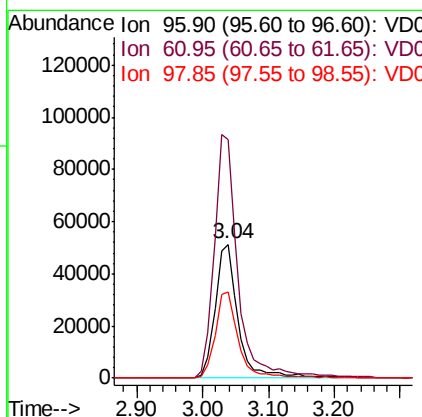
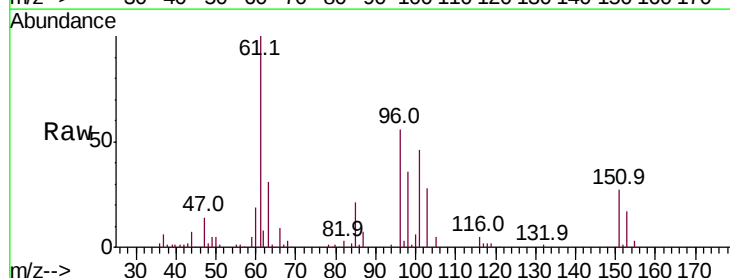
Tot Ion: 59 Resp: 88658
 Ion Ratio Lower Upper
 59 100
 57 10.0 7.4 11.2

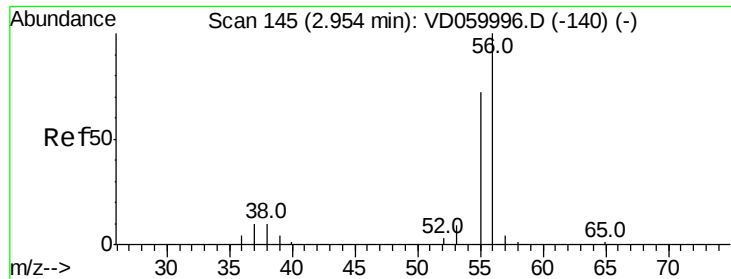


#12

1,1-Dichloroethene
 Concen: 22.510 ug/l
 RT: 3.04 min Scan# 154
 Delta R.T. -0.00 min
 Lab File: VD059995.D
 Acq: 13 Sep 2018 13:13

Tgt Ion: 96 Resp: 123828
 Ion Ratio Lower Upper
 96 100
 61 178.2 149.8 224.6
 98 64.4 50.2 75.4





#13

Acrolein

Concen: 142.956 ug/l

RT: 2.95 min Scan# 145

Delta R.T. -0.00 min

Lab File: VD059995.D

Acq: 13 Sep 2018 13:13

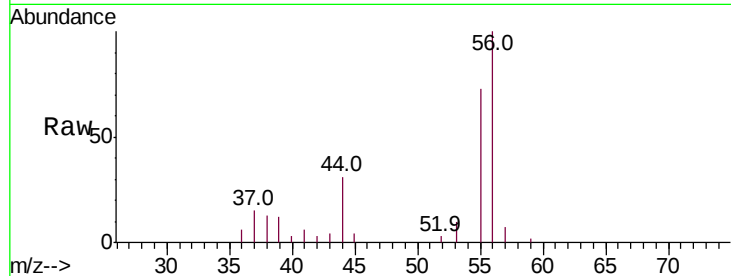
Instrument :
MSVOA_D
ClientSampled :

Tot Ion: 56 Resp: 61982

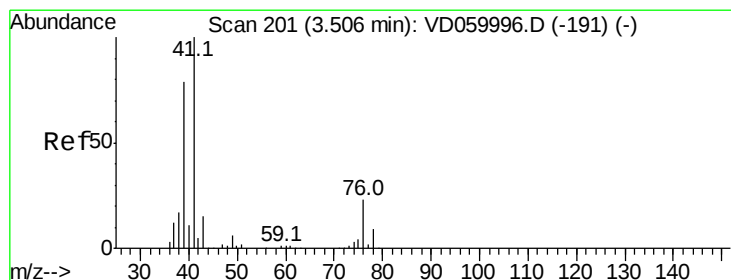
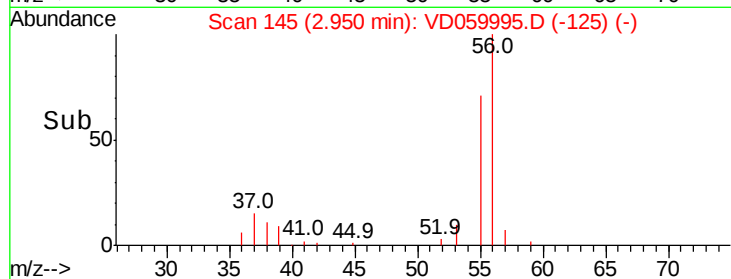
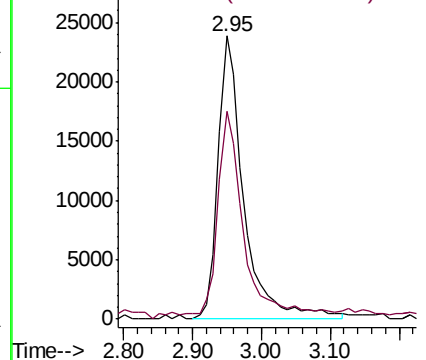
Ion Ratio Lower Upper

56 100

55 73.4 58.3 87.5



Abundance Ion 55.95 (55.65 to 56.65): VDC
Ion 55.00 (54.70 to 55.70): VDC



#14

Allyl chloride

Concen: 20.688 ug/l

RT: 3.49 min Scan# 200

Delta R.T. -0.01 min

Lab File: VD059995.D

Acq: 13 Sep 2018 13:13

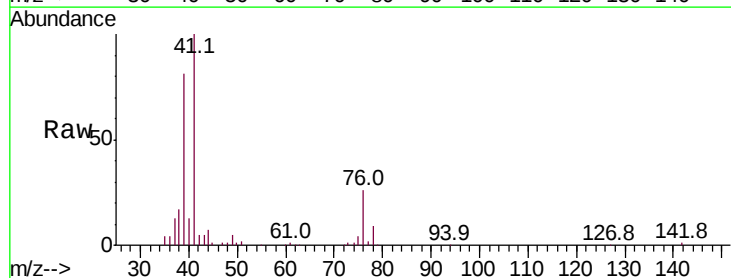
Tgt Ion: 41 Resp: 253337

Ion Ratio Lower Upper

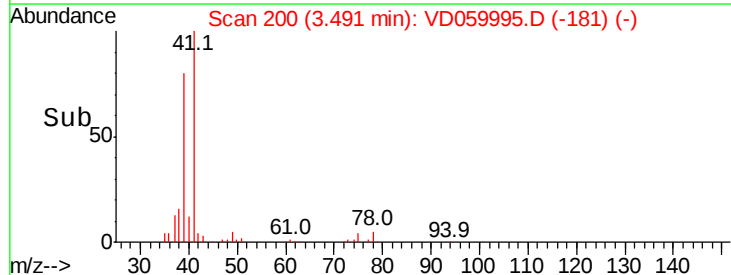
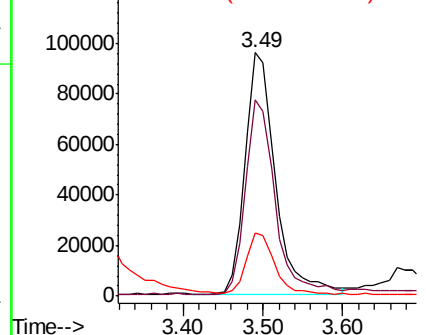
41 100

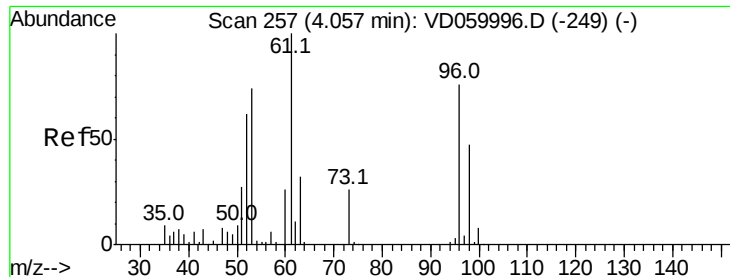
39 80.6 63.6 95.4

76 25.7 21.1 31.7



Abundance Ion 41.05 (40.75 to 41.75): VDC
Ion 38.95 (38.65 to 39.65): VDC
Ion 75.95 (75.65 to 76.65): VDC





#15

Acrylonitrile

Concen: 99.441 ug/l

RT: 4.05 min Scan# 257

Delta R.T. -0.00 min

Lab File: VD059995.D

Acq: 13 Sep 2018 13:13

Instrument :
MSVOA_D
ClientSampled :

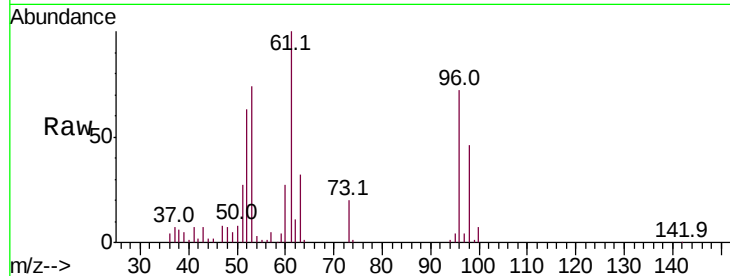
Tot Ion: 53 Resp: 359598

Ion Ratio Lower Upper

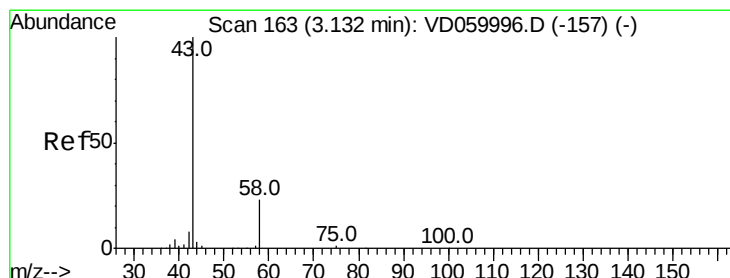
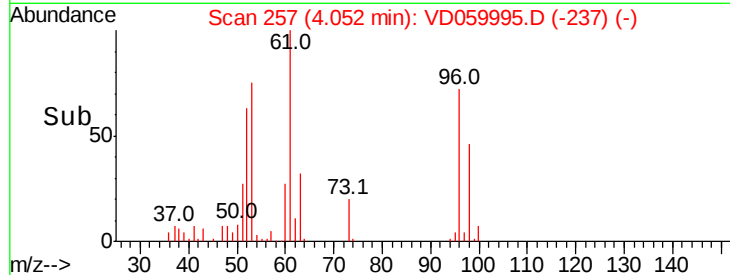
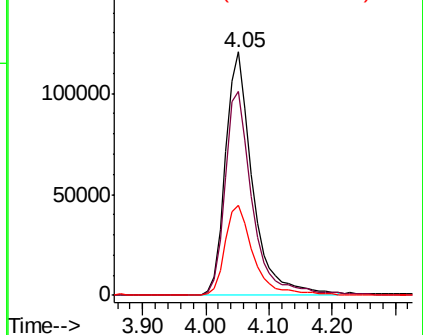
53 100

52 84.0 66.7 100.1

51 36.8 29.0 43.6



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: 107.100 ug/l

RT: 3.14 min Scan# 164

Delta R.T. 0.00 min

Lab File: VD059995.D

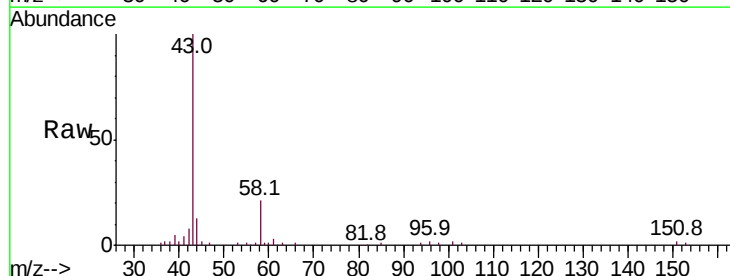
Acq: 13 Sep 2018 13:13

Tgt Ion: 43 Resp: 244692

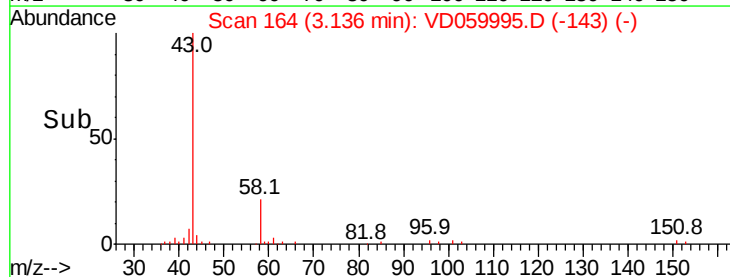
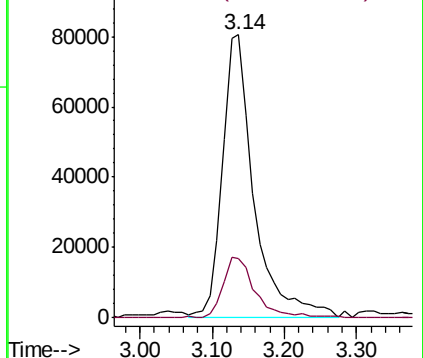
Ion Ratio Lower Upper

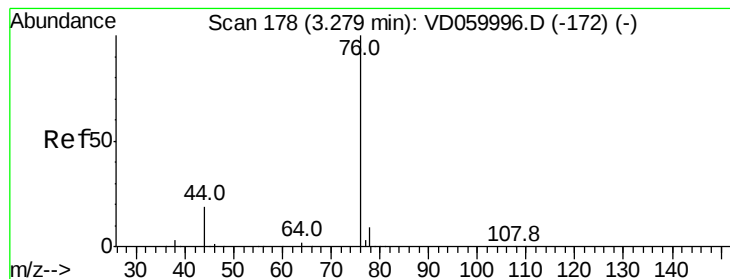
43 100

58 20.9 18.1 27.1



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





#17

Carbon Disulfide

Concen: 24.087 ug/l

RT: 3.27 min Scan# 178

Delta R.T. -0.00 min

Lab File: VD059995.D

Acq: 13 Sep 2018 13:13

Instrument :

MSVOA_D

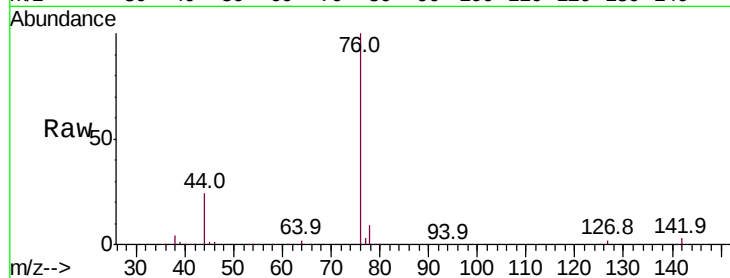
ClientSampleId :

Tot Ion: 76 Resp: 419198

Ion Ratio Lower Upper

76 100

78 9.3 7.0 10.4



Abundance Ion 75.85 (75.55 to 76.55): VDC

Ion 77.85 (77.55 to 78.55): VDC

200000

150000

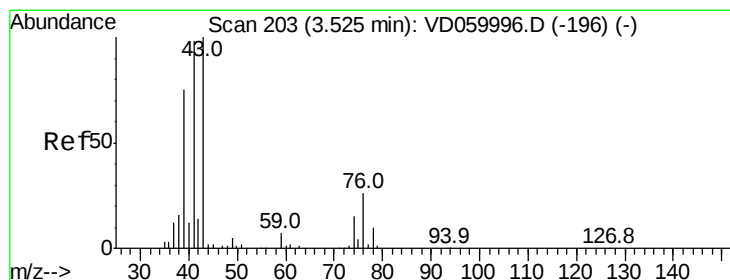
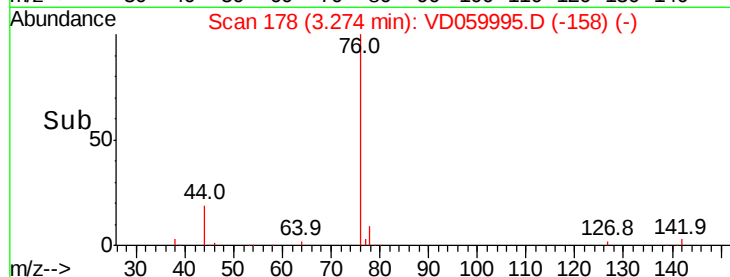
100000

50000

0

3.20 3.27 3.30 3.40 3.50

Time-->



#18

Methyl Acetate

Concen: 18.034 ug/l

RT: 3.52 min Scan# 203

Delta R.T. -0.00 min

Lab File: VD059995.D

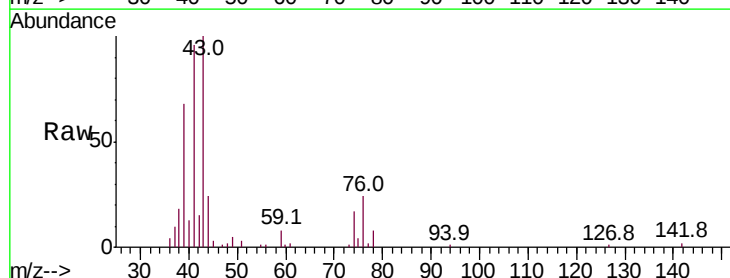
Acq: 13 Sep 2018 13:13

Tgt Ion: 43 Resp: 86476

Ion Ratio Lower Upper

43 100

74 16.9 11.8 17.8



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 74.00 (73.70 to 74.70): VDC

30000

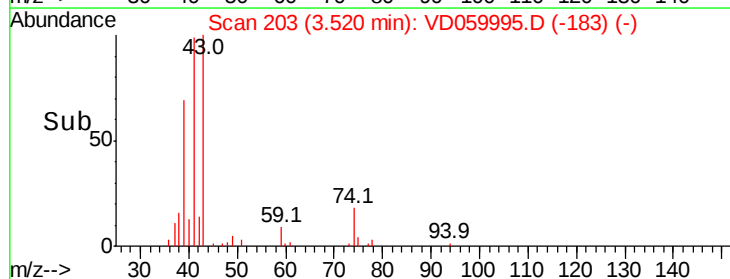
20000

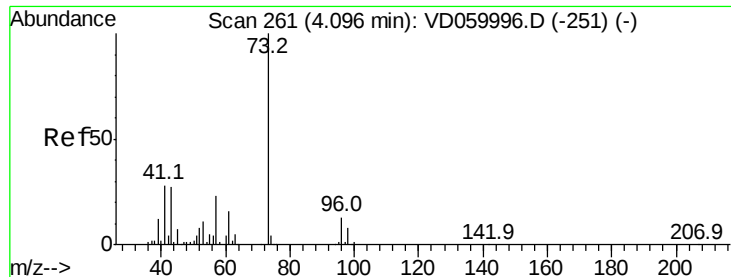
10000

0

3.40 3.50 3.52 3.60

Time-->



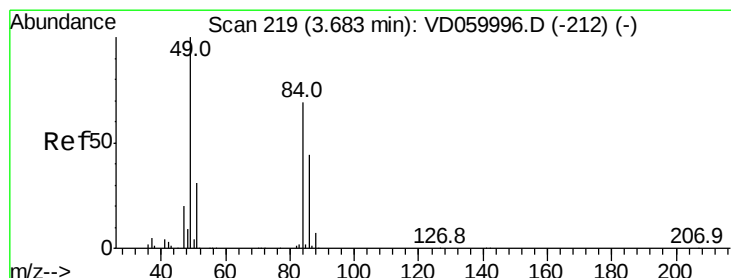
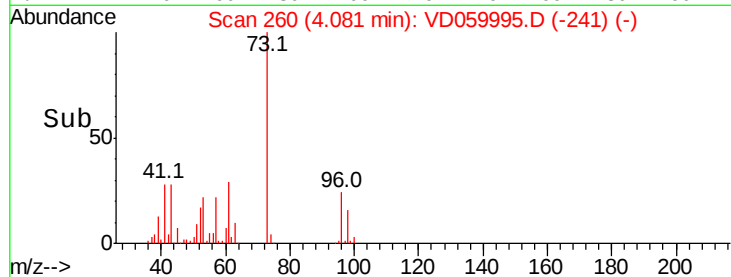
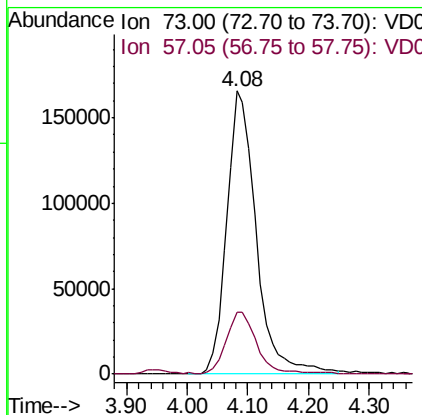
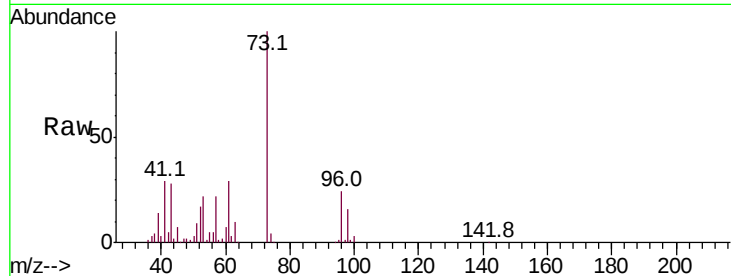


#19

Methyl tert-butyl Ether
 Concen: 18.912 ug/l
 RT: 4.08 min Scan# 260
 Delta R.T. -0.01 min
 Lab File: VD059995.D
 Acq: 13 Sep 2018 13:13

Instrument :
 MSVOA_D
 ClientSampleId :

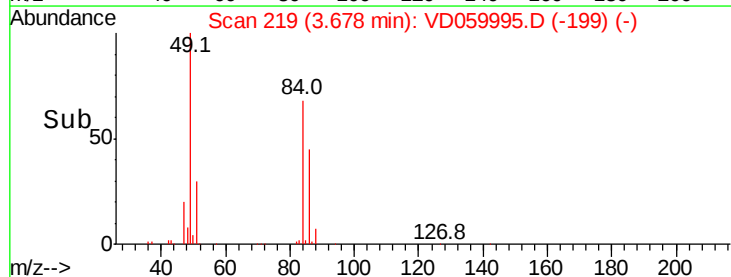
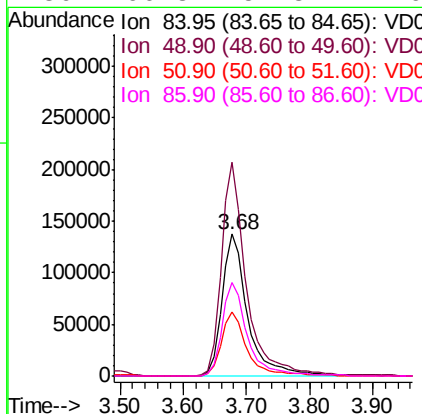
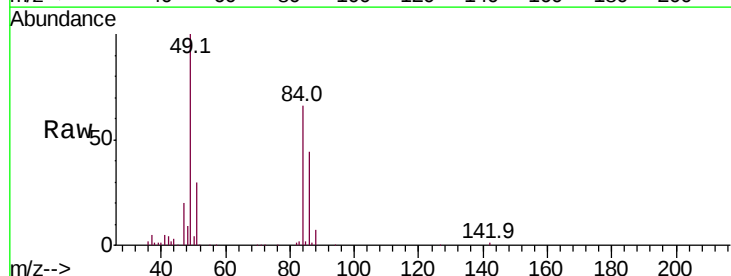
Tot Ion: 73 Resp: 560925
 Ion Ratio Lower Upper
 73 100
 57 21.7 18.4 27.6

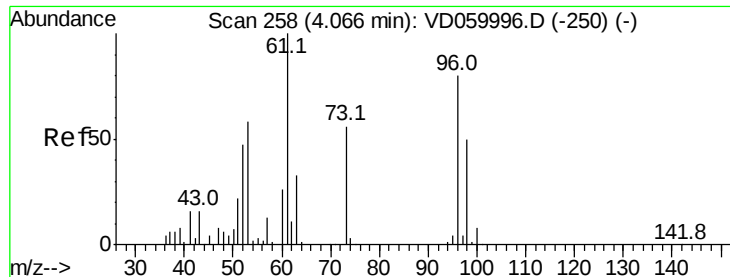


#20

Methylene Chloride
 Concen: 20.765 ug/l
 RT: 3.68 min Scan# 219
 Delta R.T. -0.00 min
 Lab File: VD059995.D
 Acq: 13 Sep 2018 13:13

Tgt Ion: 84 Resp: 387066
 Ion Ratio Lower Upper
 84 100
 49 150.6 116.6 175.0
 51 45.0 35.9 53.9
 86 66.3 51.8 77.6





#21

trans-1,2-Dichloroethene

Concen: 21.622 ug/l

RT: 4.05 min Scan# 257

Delta R.T. -0.01 min

Lab File: VD059995.D

Acq: 13 Sep 2018 13:13

Instrument :

MSVOA_D

ClientSampleId :

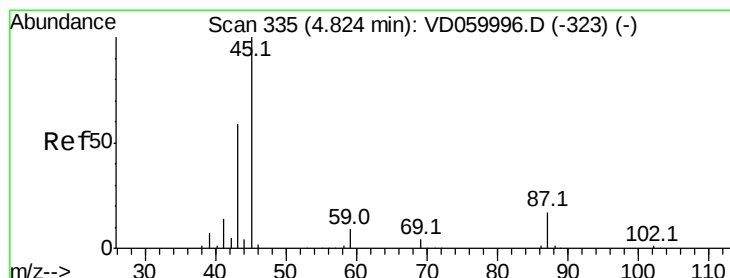
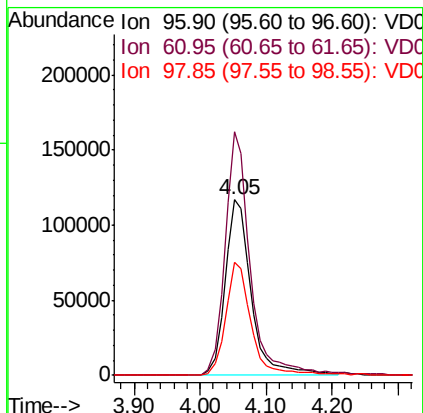
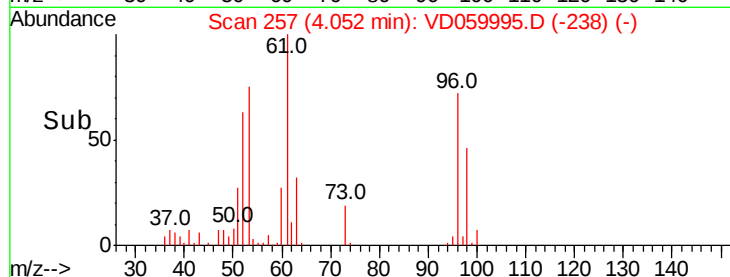
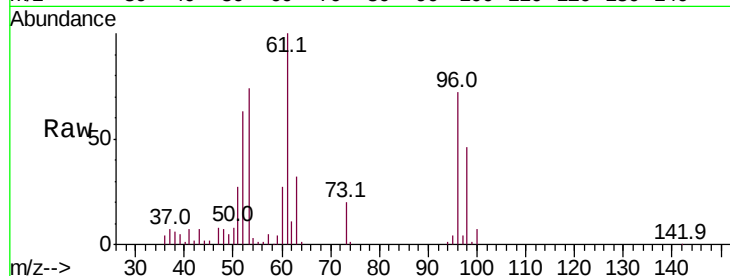
Tot Ion: 96 Resp: 324731

Ion Ratio Lower Upper

96 100

61 138.7 100.1 150.1

98 64.1 49.5 74.3



#22

Diisopropyl ether

Concen: 19.656 ug/l

RT: 4.82 min Scan# 335

Delta R.T. -0.00 min

Lab File: VD059995.D

Acq: 13 Sep 2018 13:13

Tgt Ion: 45 Resp: 1202679

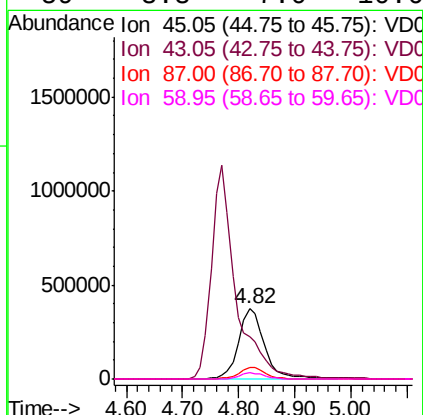
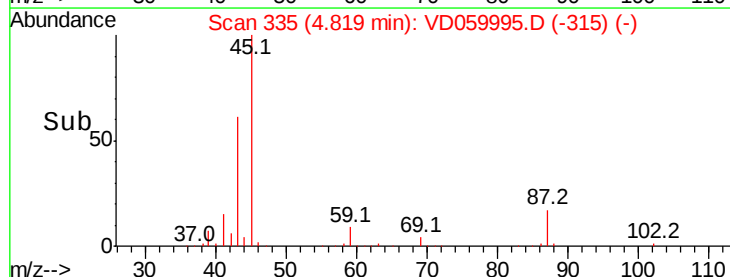
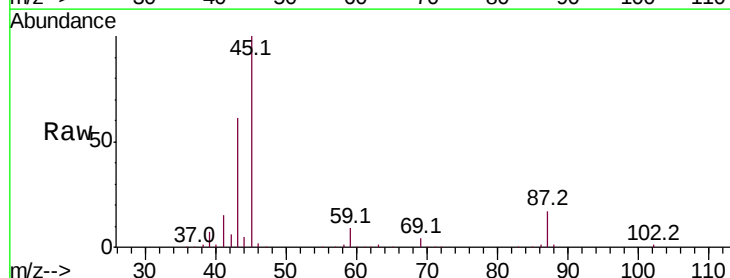
Ion Ratio Lower Upper

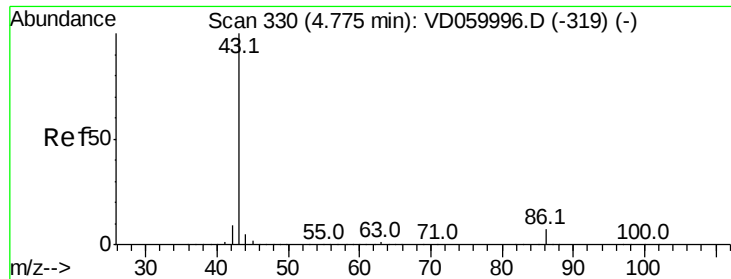
45 100

43 60.8 47.1 70.7

87 16.8 14.2 21.2

59 8.8 7.0 10.6





#23

Vinyl Acetate

Concen: 102.218 ug/l

RT: 4.77 min Scan# 330

Delta R.T. -0.00 min

Lab File: VD059995.D

Acq: 13 Sep 2018 13:13

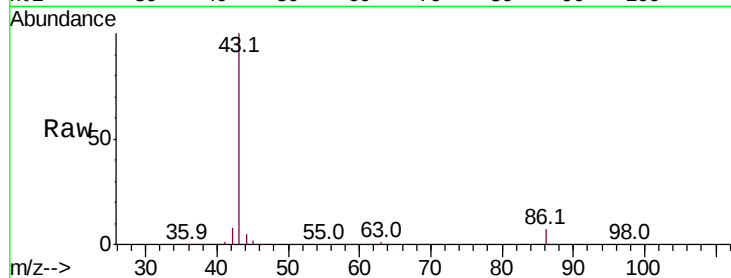
Instrument :
MSVOA_D
ClientSampled :

Tot Ion: 43 Resp: 3492509

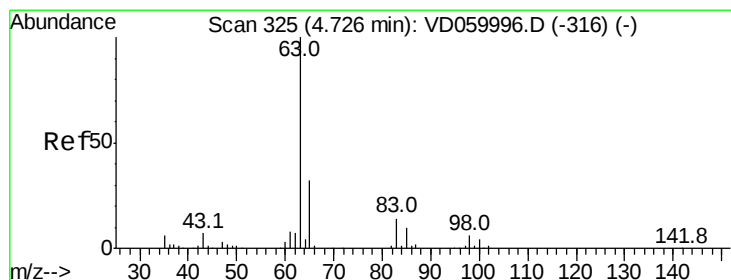
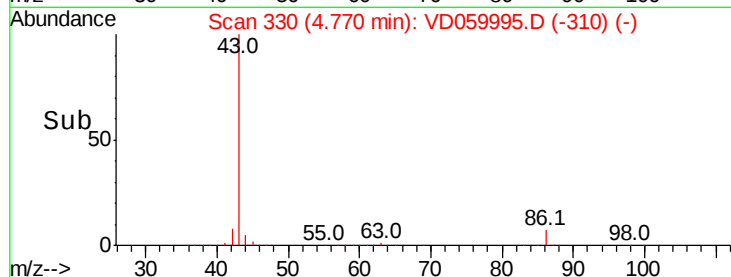
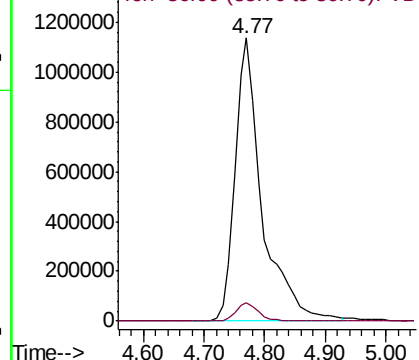
Ion Ratio Lower Upper

43 100

86 6.6 5.5 8.3



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



#24

1,1-Dichloroethane

Concen: 19.809 ug/l

RT: 4.72 min Scan# 325

Delta R.T. -0.00 min

Lab File: VD059995.D

Acq: 13 Sep 2018 13:13

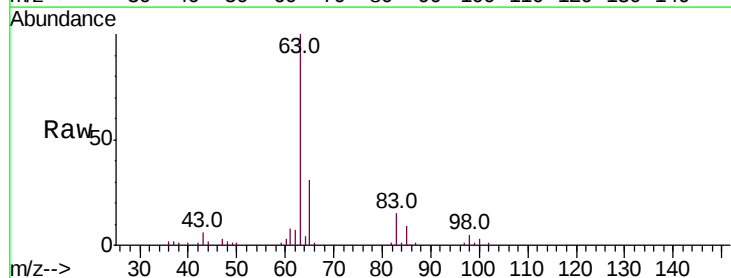
Tgt Ion: 63 Resp: 527977

Ion Ratio Lower Upper

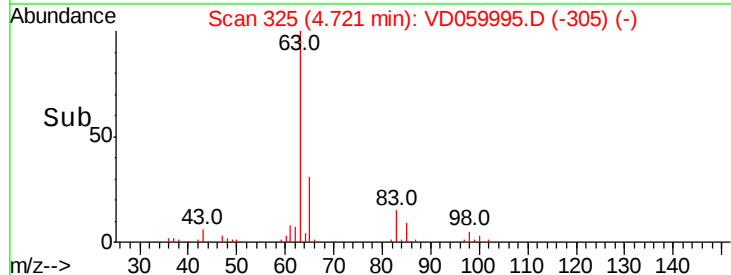
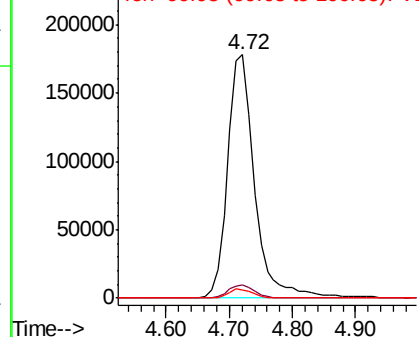
63 100

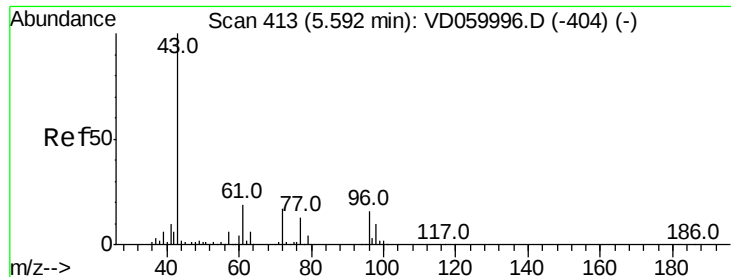
98 5.2 2.9 8.6

100 3.3 1.8 5.4



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





#25

2-Butanone

Concen: 107.045 ug/l

RT: 5.59 min Scan# 413

Delta R.T. -0.00 min

Lab File: VD059995.D

Acq: 13 Sep 2018 13:13

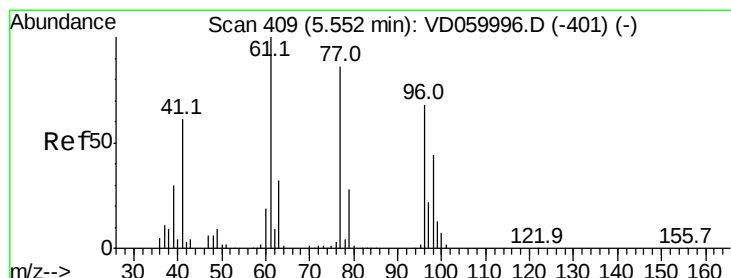
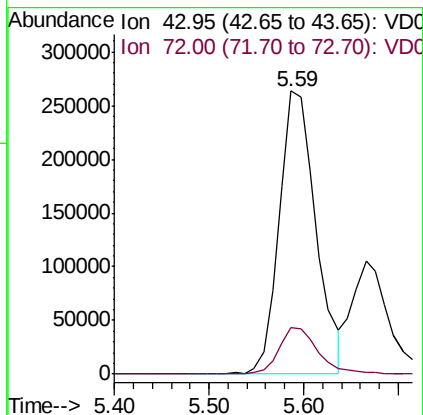
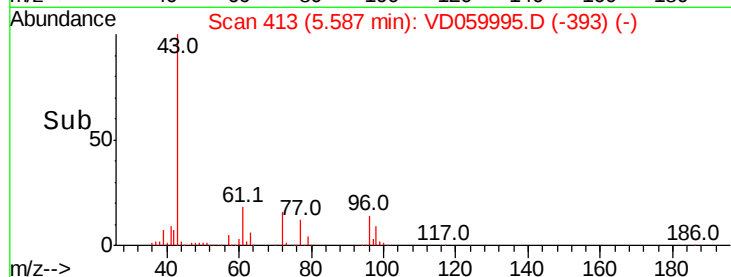
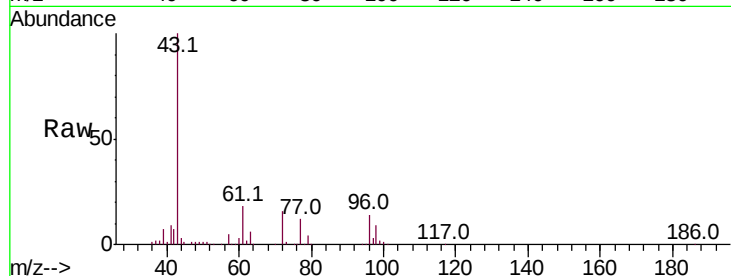
Instrument :
MSVOA_D
ClientSampled :

Tot Ion: 43 Resp: 706263

Ion Ratio Lower Upper

43 100

72 16.2 13.6 20.4



#26

2,2-Dichloropropane

Concen: 19.028 ug/l

RT: 5.55 min Scan# 409

Delta R.T. -0.00 min

Lab File: VD059995.D

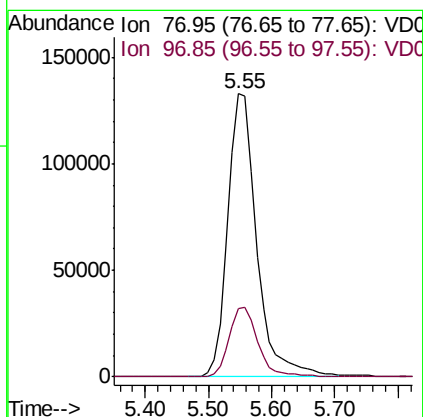
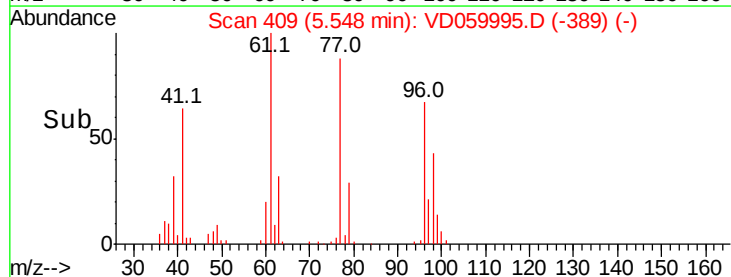
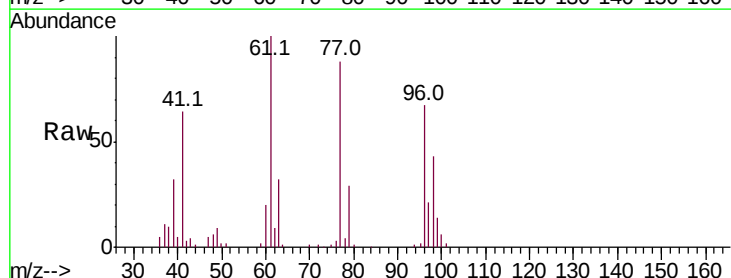
Acq: 13 Sep 2018 13:13

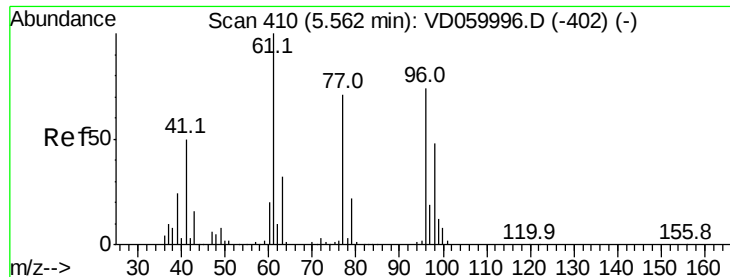
Tgt Ion: 77 Resp: 421225

Ion Ratio Lower Upper

77 100

97 24.0 12.7 38.1





#27

cis-1,2-Dichloroethene

Concen: 21.428 ug/l

RT: 5.56 min Scan# 410

Delta R.T. -0.00 min

Lab File: VD059995.D

Acq: 13 Sep 2018 13:13

Instrument :
MSVOA_D
ClientSampled :

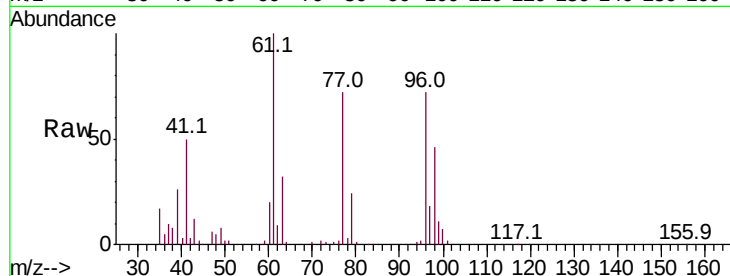
Tot Ion: 96 Resp: 348347

Ion Ratio Lower Upper

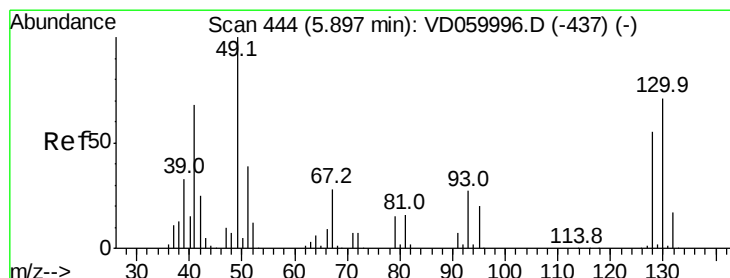
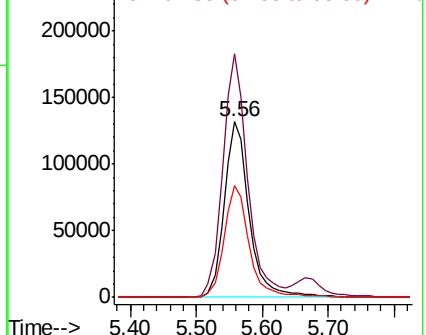
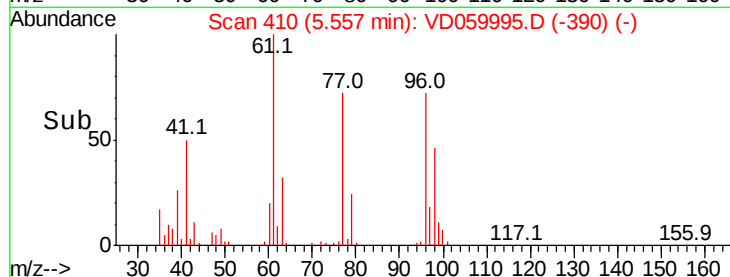
96 100

61 138.8 0.0 269.6

98 63.6 0.0 128.4



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



#28

Bromochloromethane

Concen: 20.681 ug/l

RT: 5.89 min Scan# 444

Delta R.T. -0.00 min

Lab File: VD059995.D

Acq: 13 Sep 2018 13:13

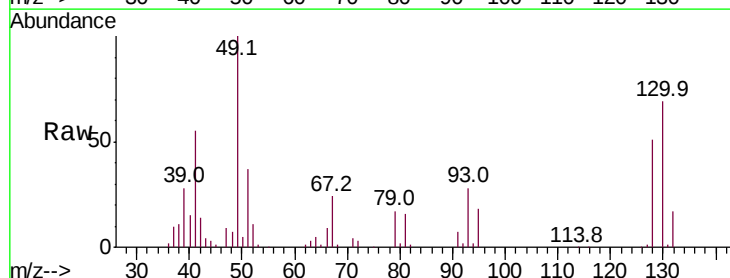
Tgt Ion: 49 Resp: 259092

Ion Ratio Lower Upper

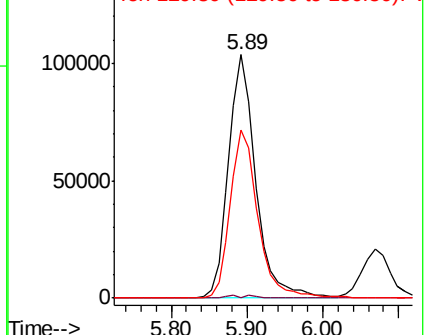
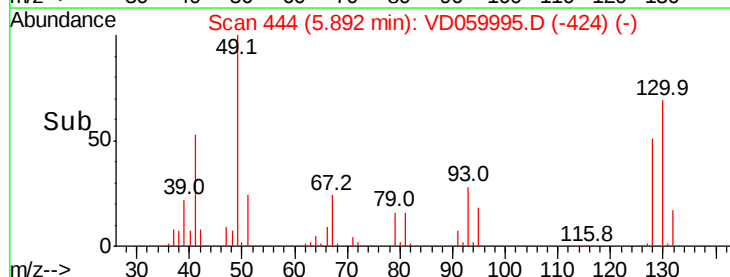
49 100

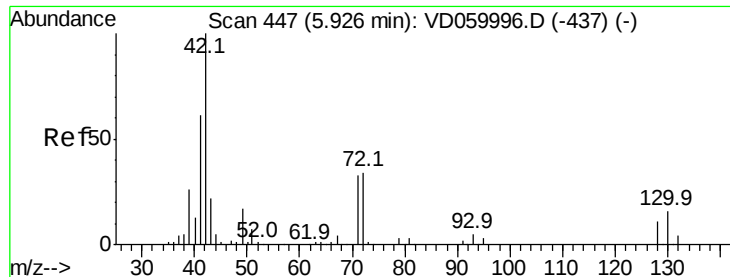
129 0.0 0.0 3.6

130 69.0 57.1 85.7



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





#29

Tetrahydrofuran

Concen: 100.865 ug/l

RT: 5.92 min Scan# 447

Delta R.T. -0.00 min

Lab File: VD059995.D

Acq: 13 Sep 2018 13:13

Instrument :

MSVOA_D

ClientSampleId :

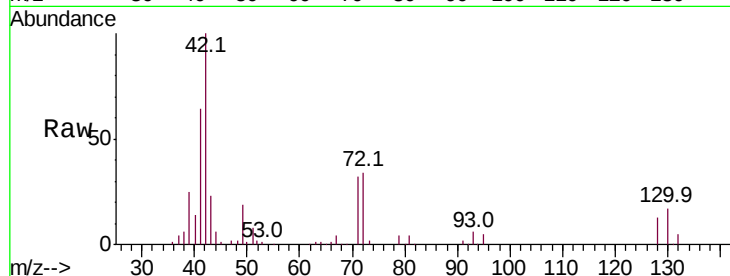
Tot Ion: 42 Resp: 328889

Ion Ratio Lower Upper

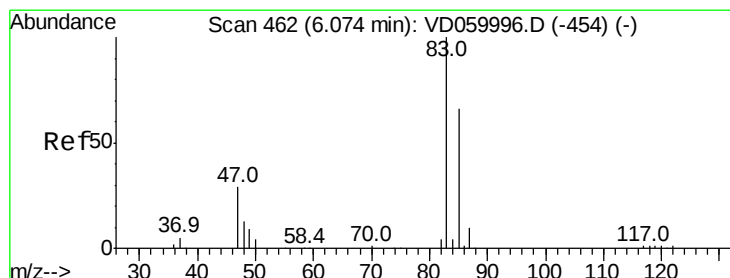
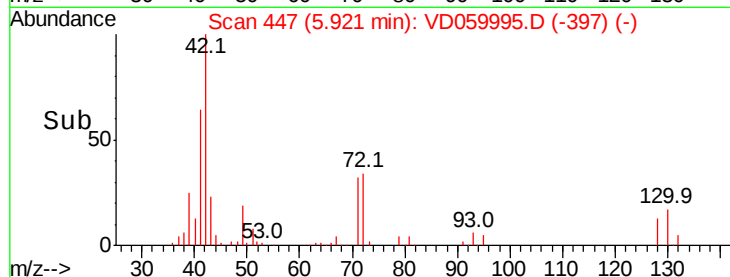
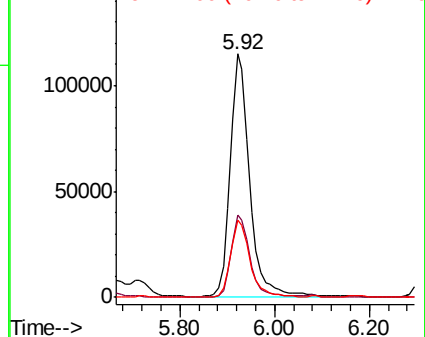
42 100

72 32.4 26.9 40.3

71 31.5 26.2 39.4



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



#30

Chloroform

Concen: 19.946 ug/l

RT: 6.07 min Scan# 462

Delta R.T. -0.00 min

Lab File: VD059995.D

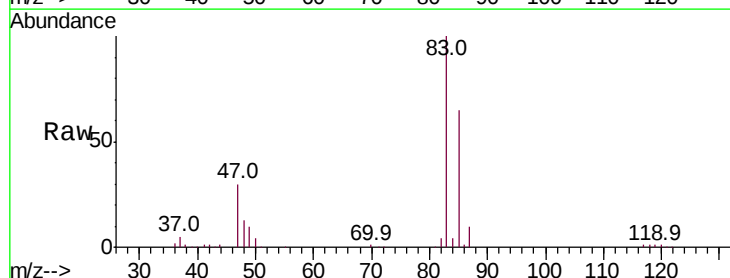
Acq: 13 Sep 2018 13:13

Tgt Ion: 83 Resp: 541230

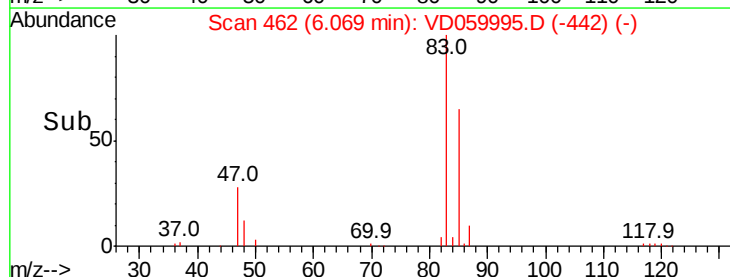
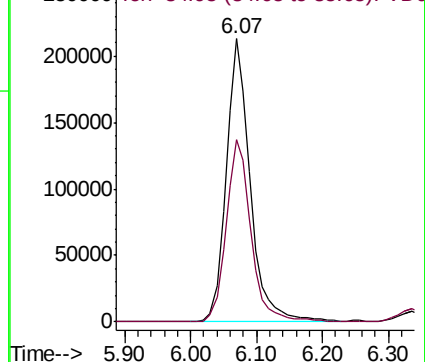
Ion Ratio Lower Upper

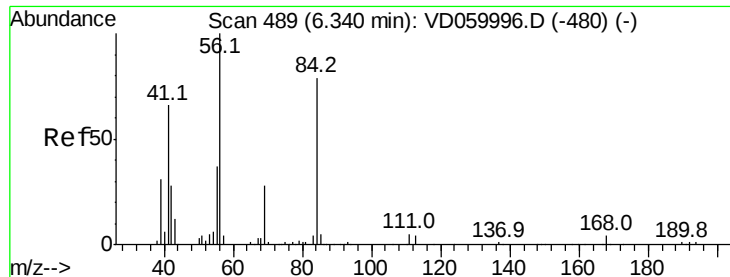
83 100

85 64.6 52.6 78.8



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

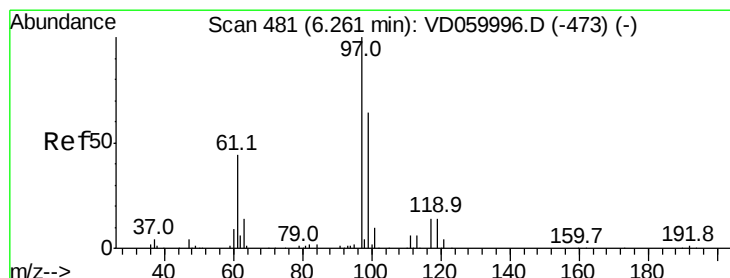
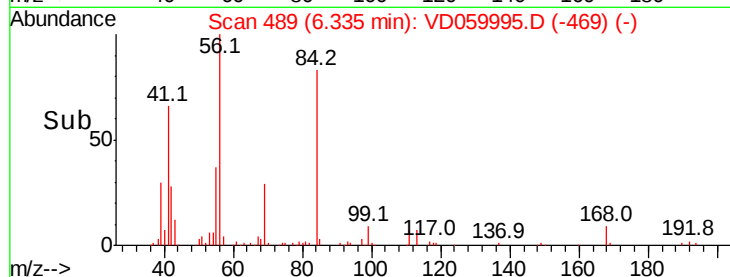
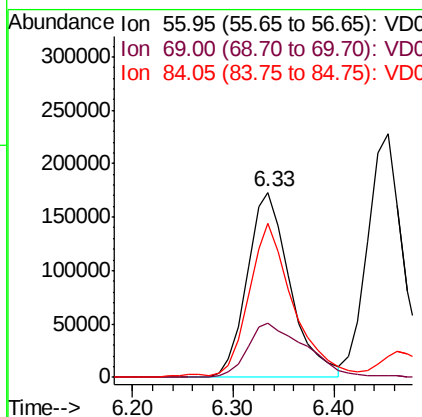
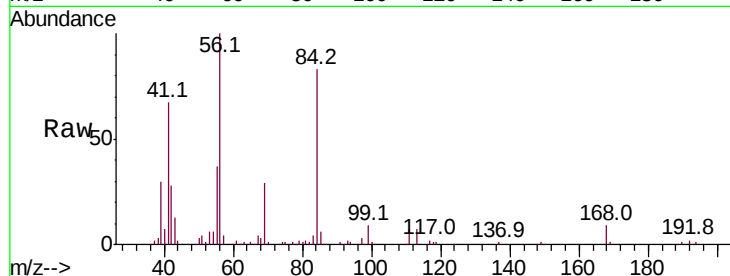




#31
Cyclohexane
Concen: 20.593 ug/l
RT: 6.33 min Scan# 489
Delta R.T. -0.00 min
Lab File: VD059995.D
Acq: 13 Sep 2018 13:13

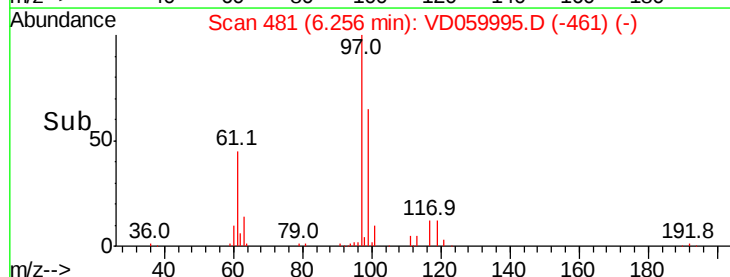
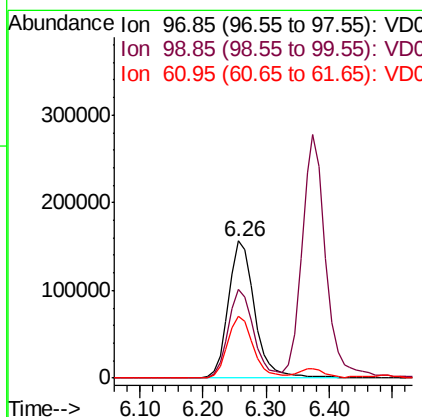
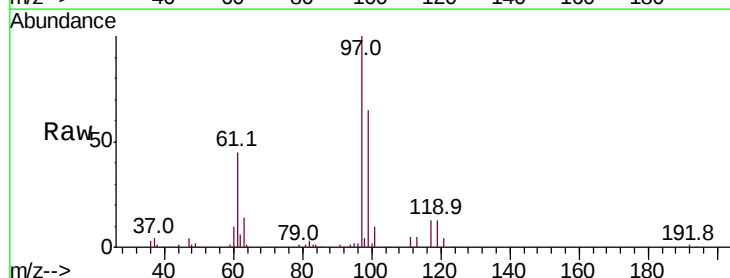
Instrument :
MSVOA_D
ClientSampleId :

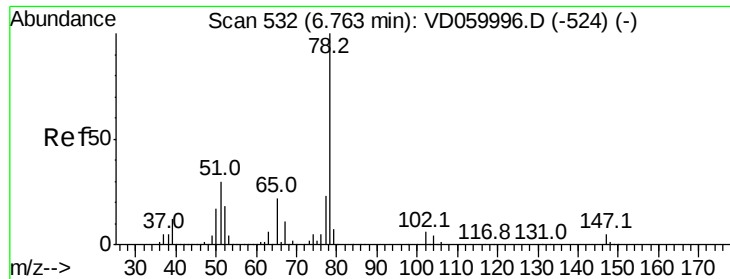
Tot Ion: 56 Resp: 512567
Ion Ratio Lower Upper
56 100
69 29.5 22.7 34.1
84 82.9 64.0 96.0



#32
1,1,1-Trichloroethane
Concen: 19.578 ug/l
RT: 6.26 min Scan# 481
Delta R.T. -0.00 min
Lab File: VD059995.D
Acq: 13 Sep 2018 13:13

Tgt Ion: 97 Resp: 449766
Ion Ratio Lower Upper
97 100
99 64.7 51.3 76.9
61 45.2 35.5 53.3





#33

1,2-Dichloroethane-d4

Concen: 19.578 ug/l

RT: 6.76 min Scan# 532

Delta R.T. -0.00 min

Lab File: VD059995.D

Acq: 13 Sep 2018 13:13

Instrument :

MSVOA_D

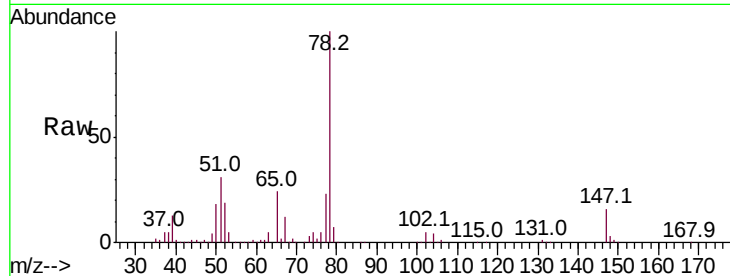
ClientSampleId :

Tot Ion: 65 Resp: 236760

Ion Ratio Lower Upper

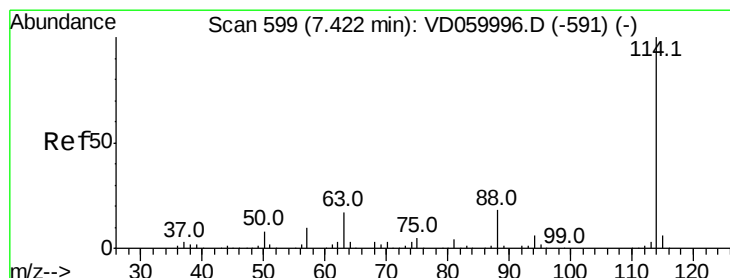
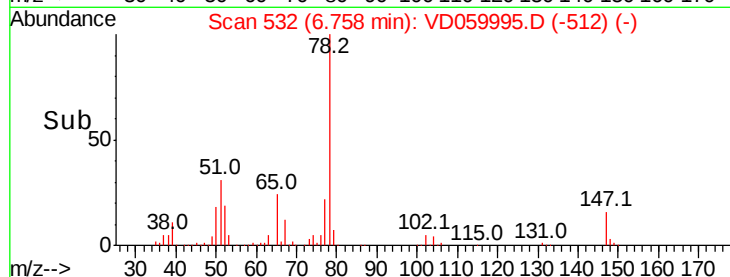
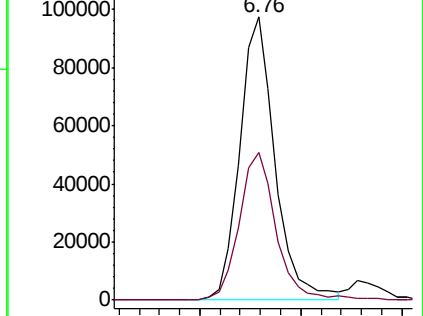
65 100

67 52.0 0.0 104.8



Abundance Ion 64.95 (64.65 to 65.65): VDC

Ion 66.90 (66.60 to 67.60): VDC



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 7.42 min Scan# 599

Delta R.T. -0.00 min

Lab File: VD059995.D

Acq: 13 Sep 2018 13:13

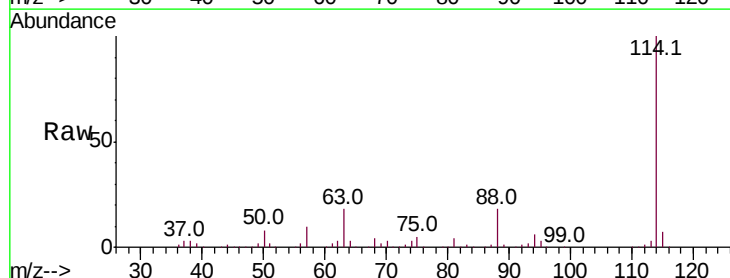
Tgt Ion:114 Resp: 2106051

Ion Ratio Lower Upper

114 100

63 18.1 0.0 34.4

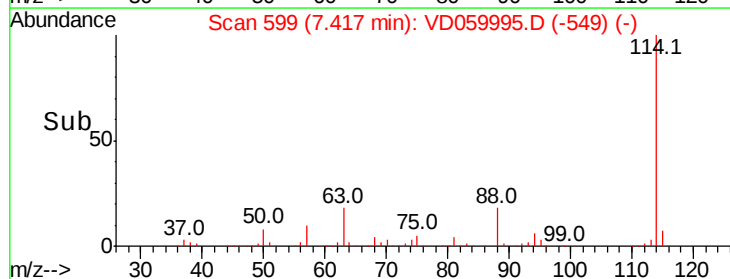
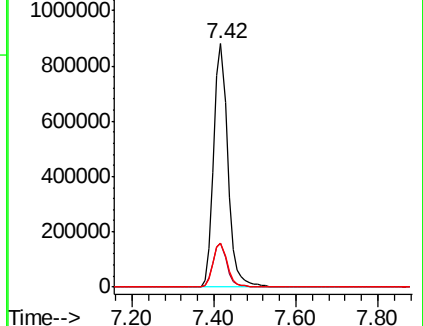
88 18.3 0.0 35.8

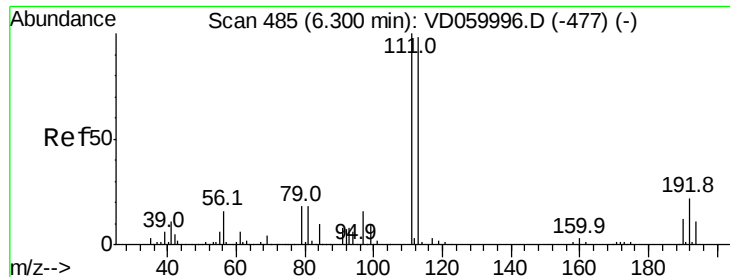


Abundance Ion 114.00 (113.70 to 114.70): V

Ion 62.95 (62.65 to 63.65): VDC

Ion 87.90 (87.60 to 88.60): VDC

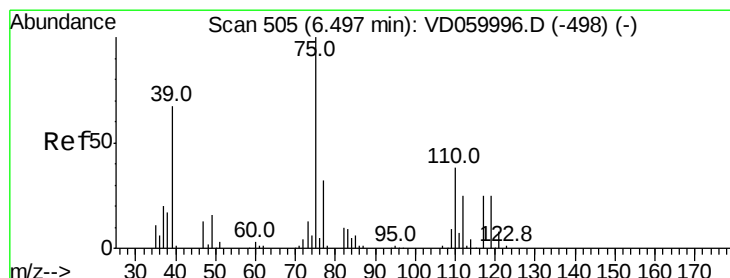
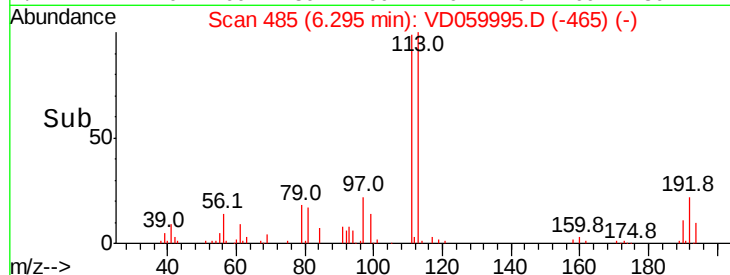
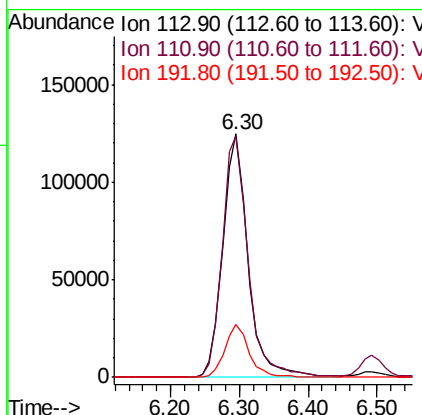
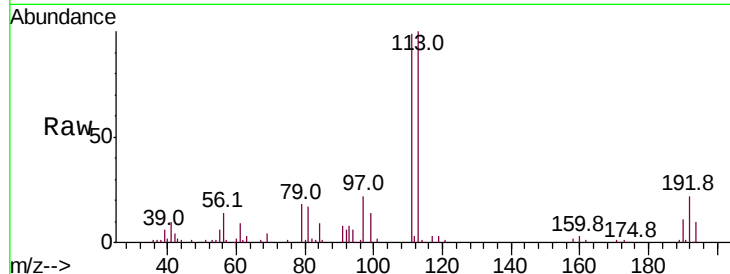




#35
 Dibromofluoromethane
 Concen: 50.000 ug/l
 RT: 6.30 min Scan# 485
 Delta R.T. -0.00 min
 Lab File: VD059995.D
 Acq: 13 Sep 2018 13:13

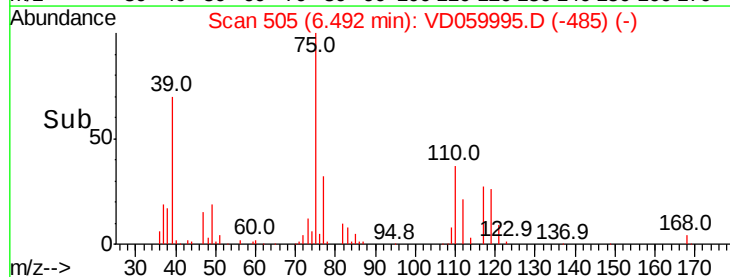
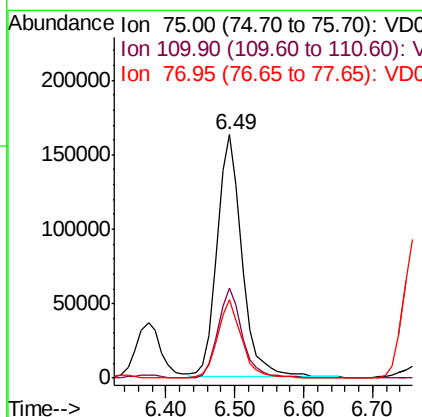
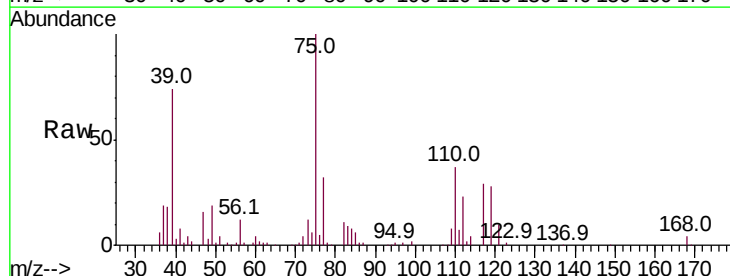
Instrument :
 MSVOA_D
 ClientSampleId :

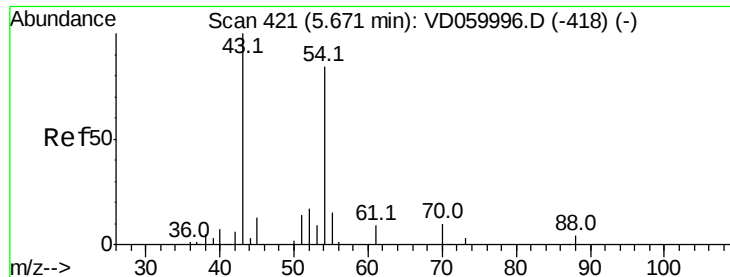
Tot Ion	Ratio	Lower	Upper
113	100		
111	98.9	81.3	121.9
192	21.7	18.1	27.1



#36
 1,1-Dichloropropene
 Concen: 20.868 ug/l
 RT: 6.49 min Scan# 505
 Delta R.T. -0.00 min
 Lab File: VD059995.D
 Acq: 13 Sep 2018 13:13

Tgt Ion	Ratio	Lower	Upper
75	100		
110	36.7	18.9	56.9
77	32.0	25.3	37.9

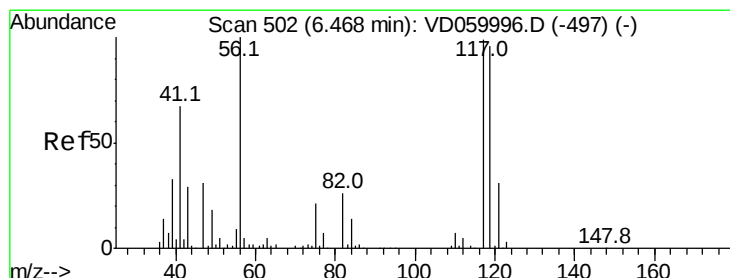
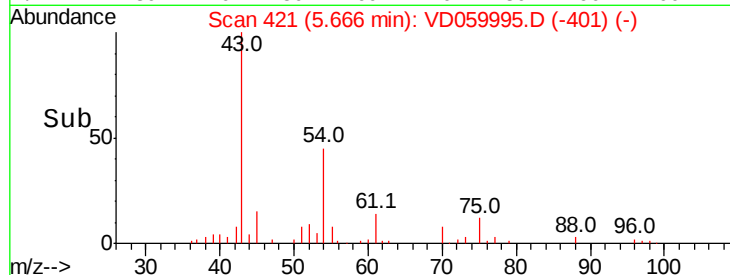
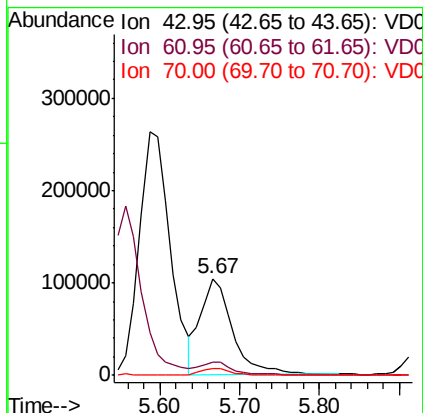
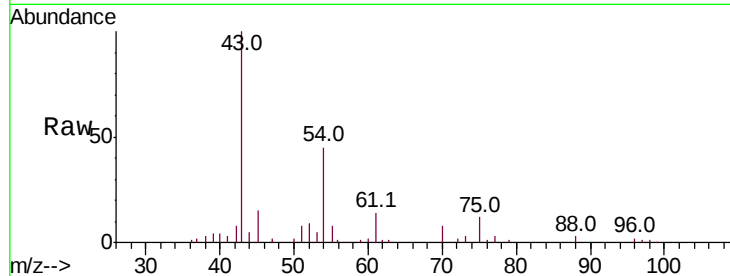




#37
Ethyl Acetate
Concen: 19.390 ug/l
RT: 5.67 min Scan# 421
Delta R.T. -0.00 min
Lab File: VD059995.D
Acq: 13 Sep 2018 13:13

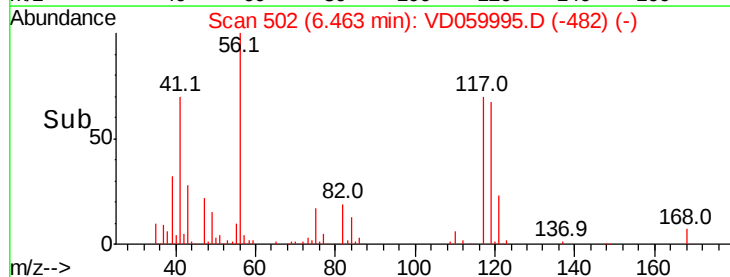
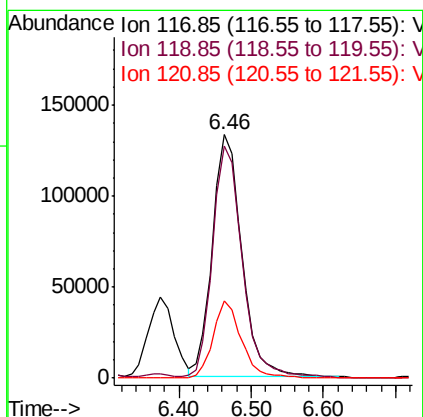
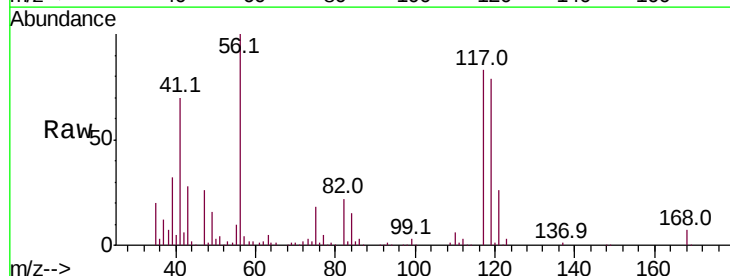
Instrument :
MSVOA_D
ClientSampled :

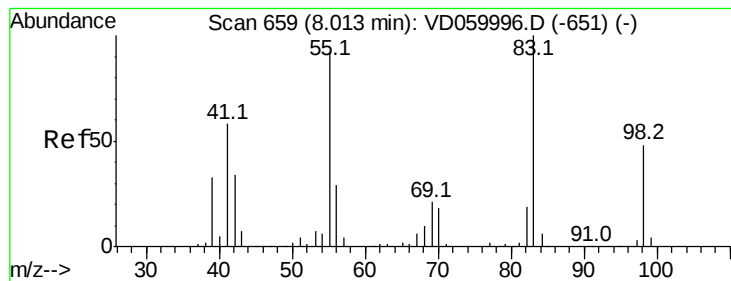
Tot Ion: 43 Resp: 286644
Ion Ratio Lower Upper
43 100
61 14.3 10.2 15.2
70 7.7 6.1 9.1



#38
Carbon Tetrachloride
Concen: 19.156 ug/l
RT: 6.46 min Scan# 502
Delta R.T. -0.00 min
Lab File: VD059995.D
Acq: 13 Sep 2018 13:13

Tgt Ion: 117 Resp: 375488
Ion Ratio Lower Upper
117 100
119 95.5 76.7 115.1
121 31.5 24.9 37.3





#39

Methvlcvclohexane

Concen: 22.179 ug/l

RT: 8.01 min Scan# 659

Delta R.T. -0.00 min

Lab File: VD059995.D

Acq: 13 Sep 2018 13:13

Instrument :

MSVOA_D

ClientSampled :

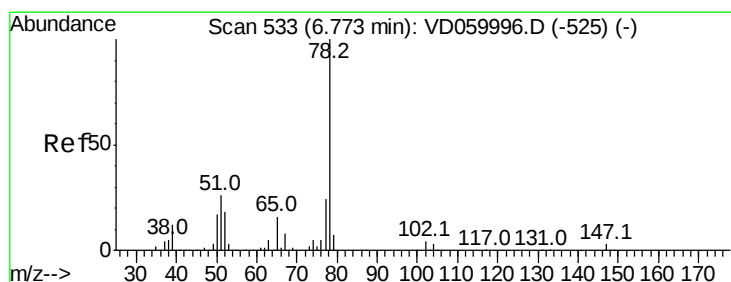
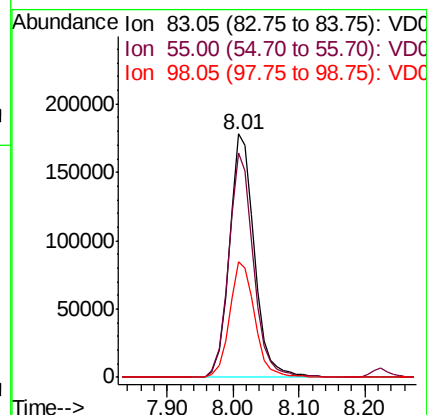
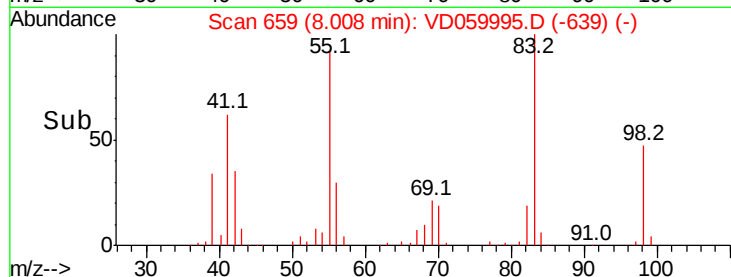
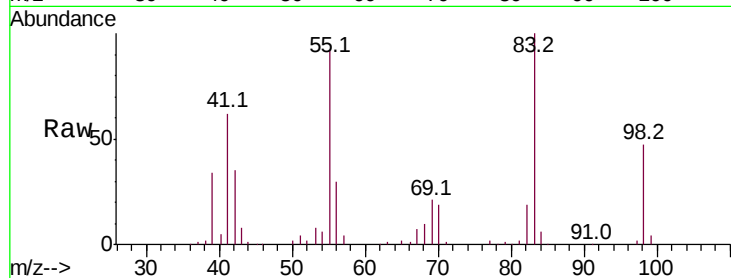
Tot Ion: 83 Resp: 472498

Ion Ratio Lower Upper

83 100

55 92.0 73.8 110.6

98 47.3 38.1 57.1



#40

Benzene

Concen: 21.160 ug/l

RT: 6.76 min Scan# 532

Delta R.T. -0.01 min

Lab File: VD059995.D

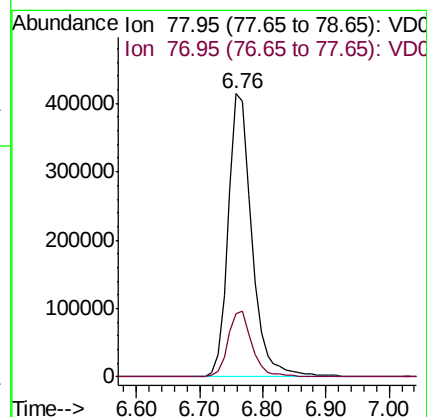
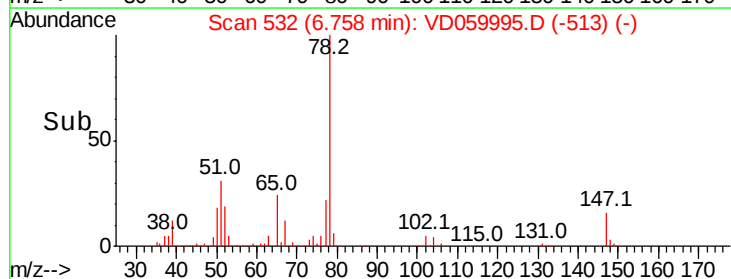
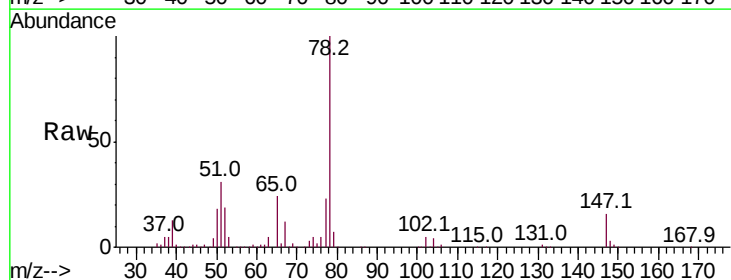
Acq: 13 Sep 2018 13:13

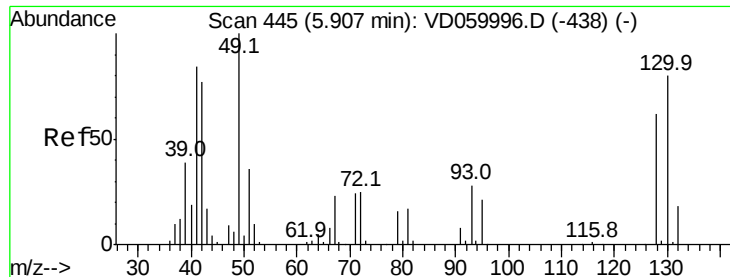
Tgt Ion: 78 Resp: 1076953

Ion Ratio Lower Upper

78 100

77 22.5 19.0 28.4





#41

Methacrylonitrile

Concen: 43.814 ug/l

RT: 5.92 min Scan# 447

Delta R.T. 0.01 min

Lab File: VD059995.D

Acq: 13 Sep 2018 13:13

Instrument :

MSVOA_D

ClientSampleId :

Tot Ion: 41 Resp: 328884

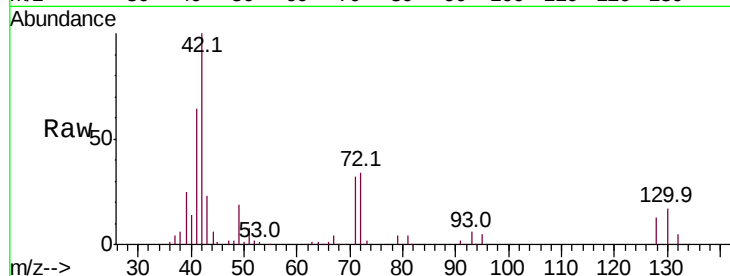
Ion Ratio Lower Upper

41 100

39 38.3 37.5 56.3

67 6.0 21.5 32.3#

52 2.6 9.2 13.8#

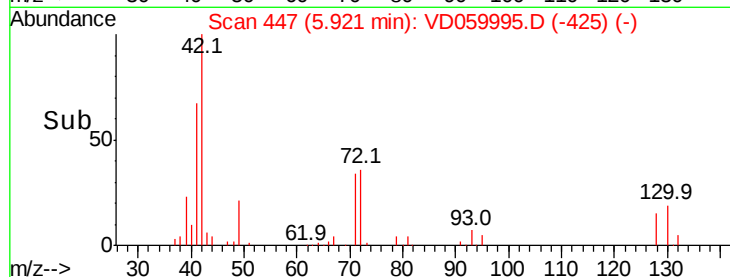


Abundance Ion 40.95 (40.65 to 41.65): VDC

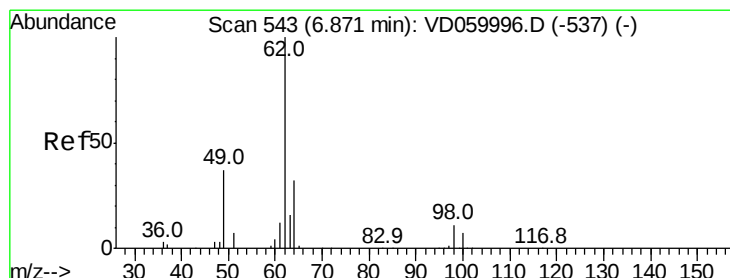
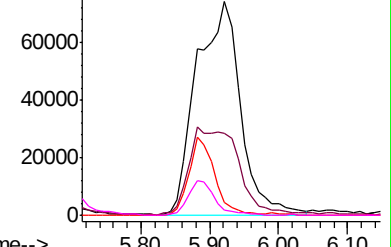
Ion 38.95 (38.65 to 39.65): VDC

Ion 67.00 (66.70 to 67.70): VDC

Ion 52.00 (51.70 to 52.70): VDC



Time-->



#42

1,2-Dichloroethane

Concen: 19.867 ug/l

RT: 6.87 min Scan# 543

Delta R.T. -0.00 min

Lab File: VD059995.D

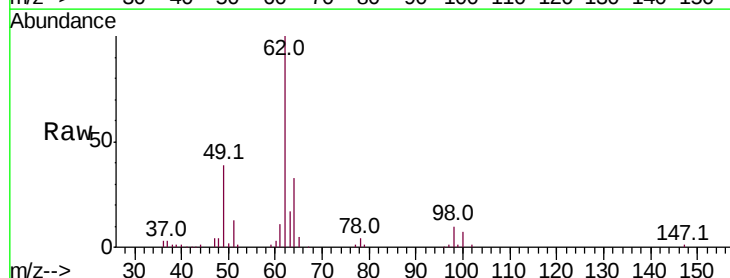
Acq: 13 Sep 2018 13:13

Tgt Ion: 62 Resp: 317654

Ion Ratio Lower Upper

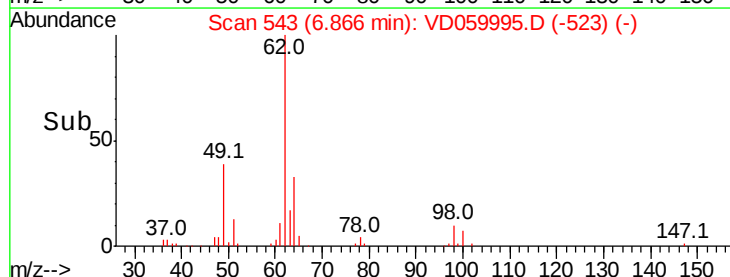
62 100

98 9.8 0.0 21.4

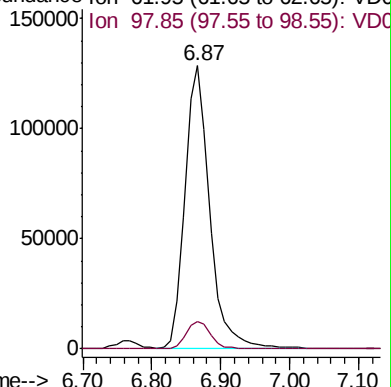


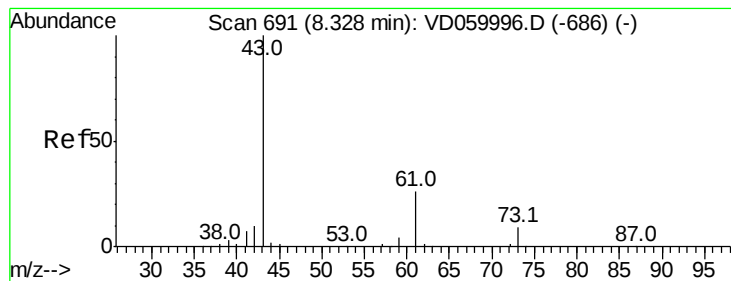
Abundance Ion 61.95 (61.65 to 62.65): VDC

Ion 97.85 (97.55 to 98.55): VDC



Time-->





#43

Isopropyl Acetate

Concen: 19.030 ug/l

RT: 8.32 min Scan# 691

Delta R.T. -0.00 min

Lab File: VD059995.D

Acq: 13 Sep 2018 13:13

Instrument :

MSVOA_D

ClientSampleId :

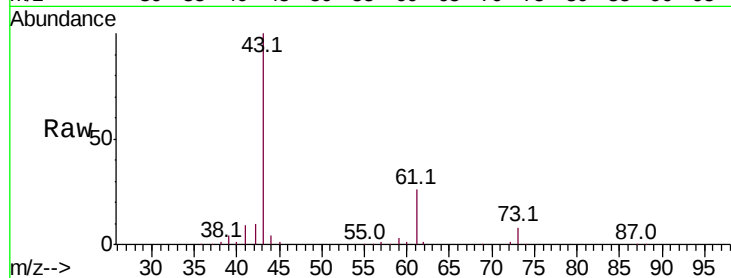
Tot Ion: 43 Resp: 368436

Ion Ratio Lower Upper

43 100

61 25.7 21.0 31.6

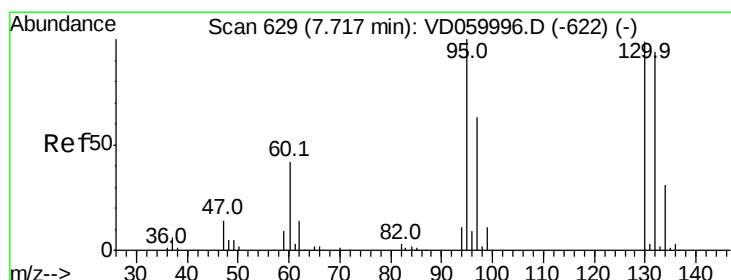
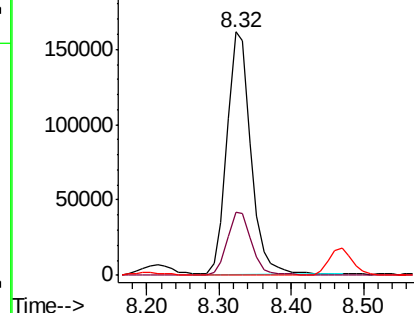
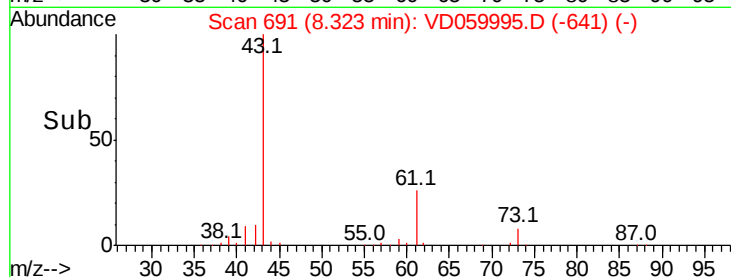
87 0.3 0.2 0.2#



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 60.95 (60.65 to 61.65): VDC

Ion 87.00 (86.70 to 87.70): VDC



#44

Trichloroethene

Concen: 21.440 ug/l

RT: 7.71 min Scan# 629

Delta R.T. -0.00 min

Lab File: VD059995.D

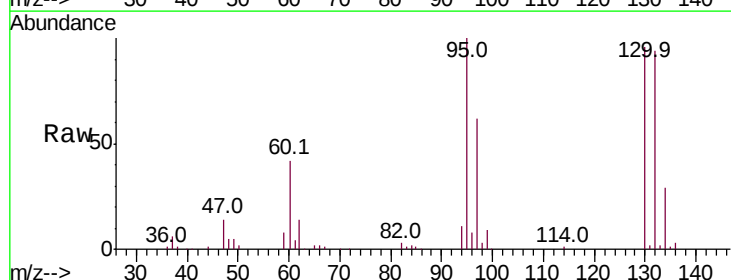
Acq: 13 Sep 2018 13:13

Tgt Ion: 130 Resp: 323445

Ion Ratio Lower Upper

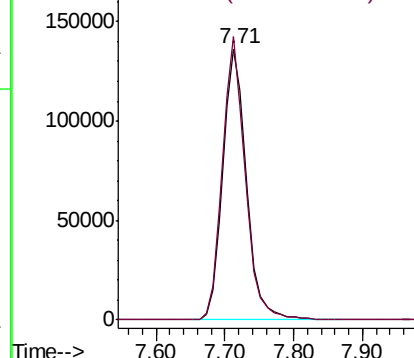
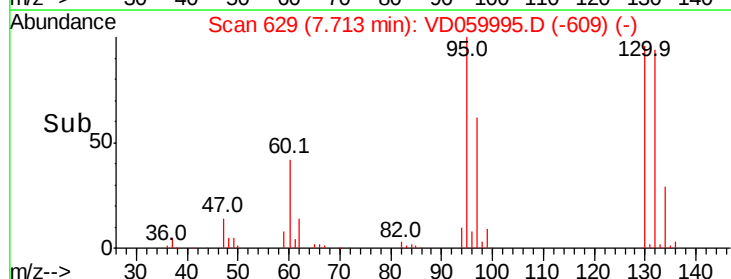
130 100

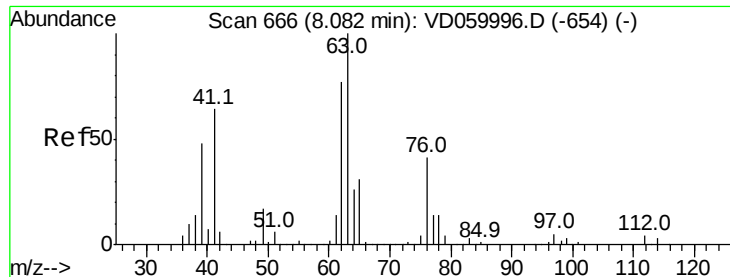
95 104.4 0.0 202.0



Abundance Ion 129.80 (129.50 to 130.50): VDC

Ion 94.90 (94.60 to 95.60): VDC

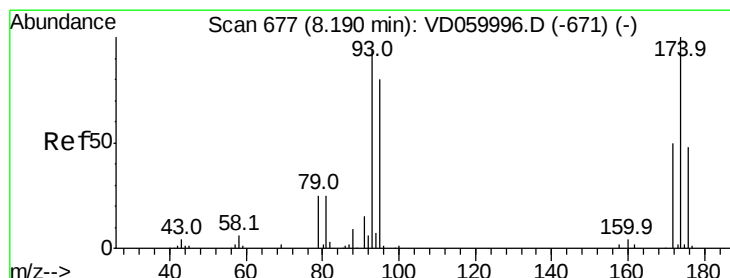
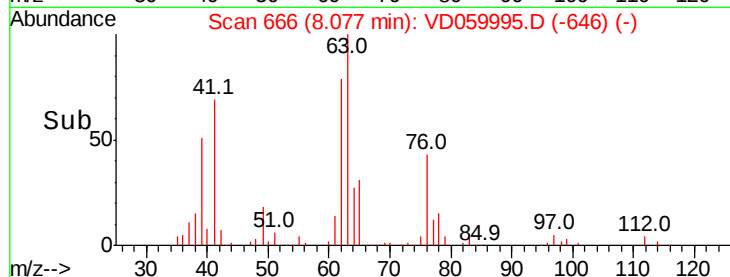
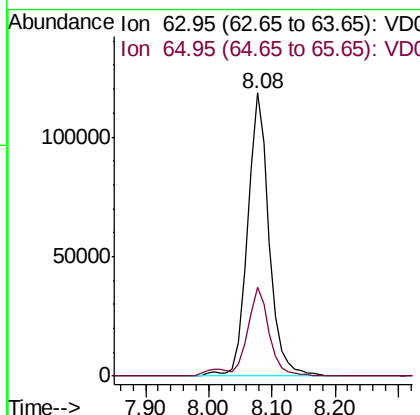
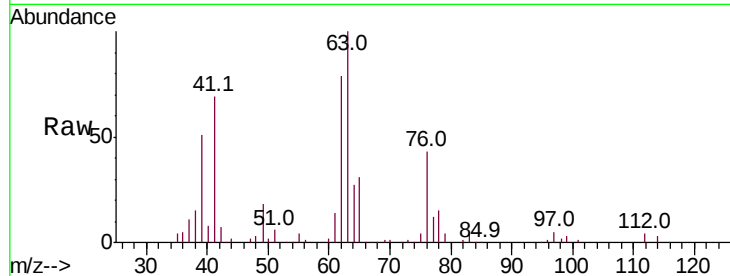




#45
 1,2-Dichloropropane
 Concen: 20.004 ug/l
 RT: 8.08 min Scan# 666
 Delta R.T. -0.00 min
 Lab File: VD059995.D
 Acq: 13 Sep 2018 13:13

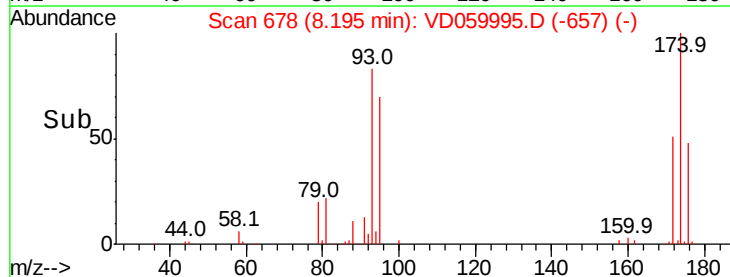
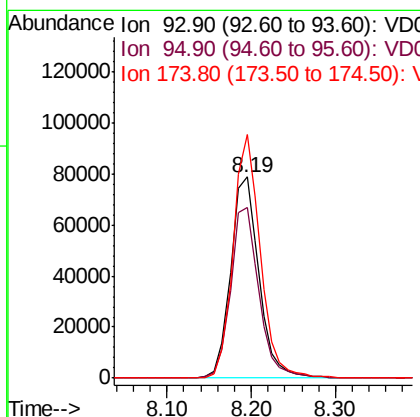
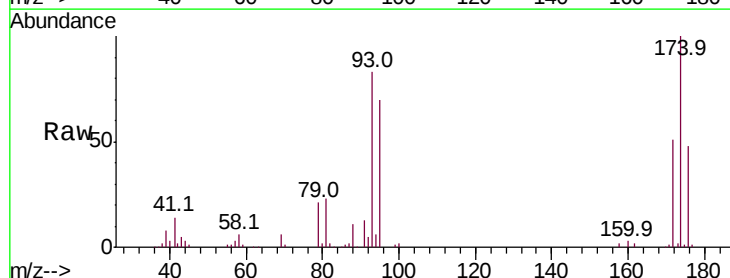
Instrument :
 MSVOA_D
 ClientSampled :

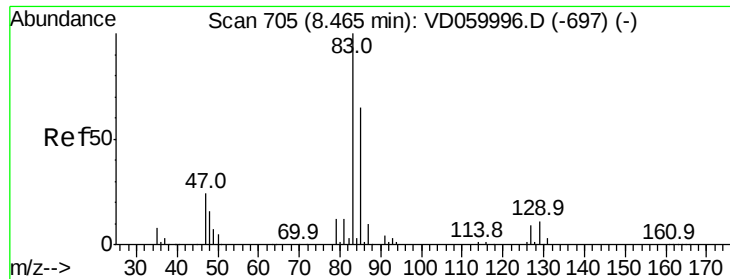
Tot Ion: 63 Resp: 281226
 Ion Ratio Lower Upper
 63 100
 65 31.4 24.6 37.0



#46
 Dibromomethane
 Concen: 20.298 ug/l
 RT: 8.19 min Scan# 678
 Delta R.T. 0.00 min
 Lab File: VD059995.D
 Acq: 13 Sep 2018 13:13

Tgt Ion: 93 Resp: 183677
 Ion Ratio Lower Upper
 93 100
 95 85.1 68.0 102.0
 174 121.0 85.4 128.2





#47

Bromodichloromethane

Concen: 19.667 ug/l

RT: 8.47 min Scan# 706

Delta R.T. 0.00 min

Lab File: VD059995.D

Acq: 13 Sep 2018 13:13

Instrument :

MSVOA_D

ClientSampleId :

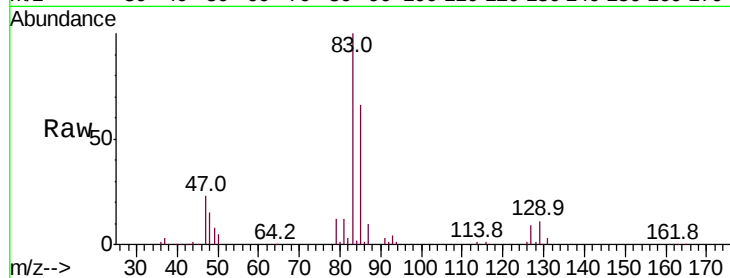
Tot Ion: 83 Resp: 399344

Ion Ratio Lower Upper

83 100

85 66.3 51.9 77.9

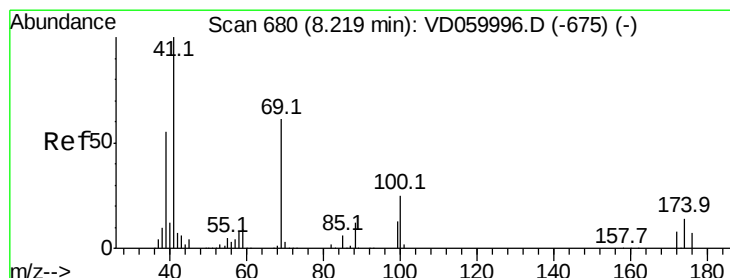
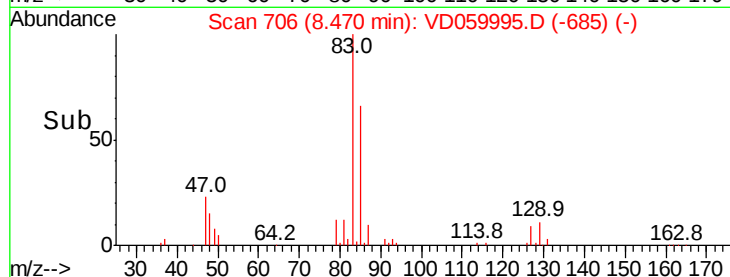
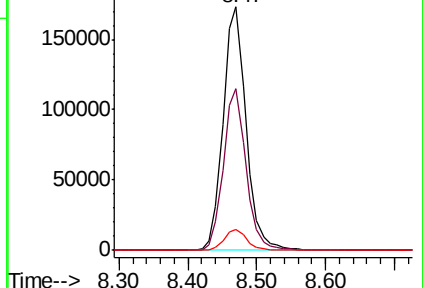
127 8.6 6.8 10.2



Abundance Ion 82.85 (82.55 to 83.55): VDC

Ion 84.95 (84.65 to 85.65): VDC

Ion 126.80 (126.50 to 127.50): VDC



#48

Methyl methacrylate

Concen: 18.676 ug/l

RT: 8.22 min Scan# 681

Delta R.T. 0.00 min

Lab File: VD059995.D

Acq: 13 Sep 2018 13:13

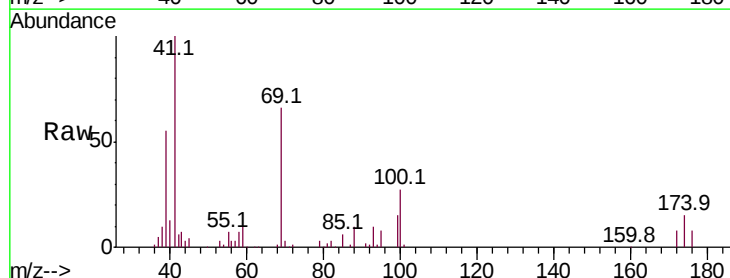
Tgt Ion: 41 Resp: 210443

Ion Ratio Lower Upper

41 100

69 66.4 48.3 72.5

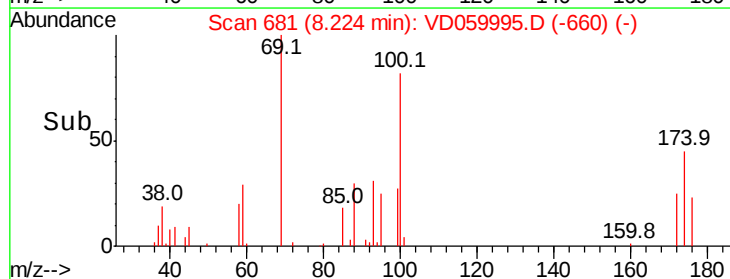
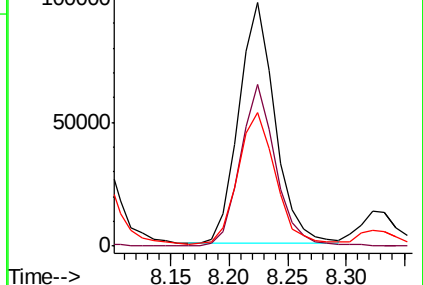
39 54.7 44.1 66.1

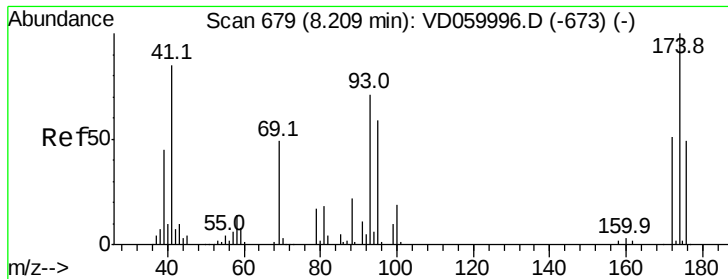


Abundance Ion 40.95 (40.65 to 41.65): VDC

Ion 69.00 (68.70 to 69.70): VDC

Ion 38.95 (38.65 to 39.65): VDC





#49

1,4-Dioxane

Concen: 416.331 ug/l

RT: 8.21 min Scan# 680

Delta R.T. 0.00 min

Lab File: VD059995.D

Acq: 13 Sep 2018 13:13

Instrument :
MSVOA_D
ClientSampled :

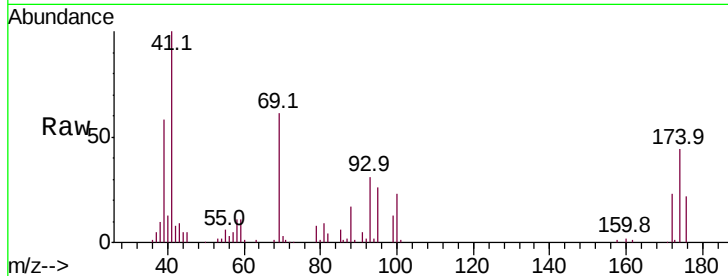
Tot Ion: 88 Resp: 42505

Ion Ratio Lower Upper

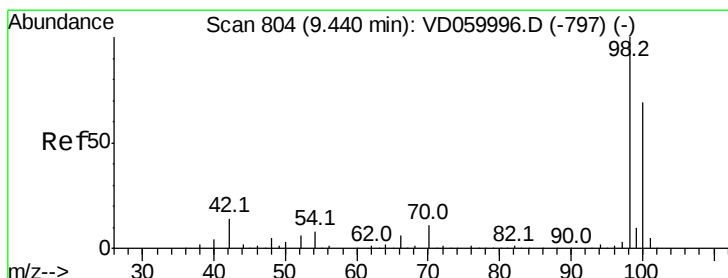
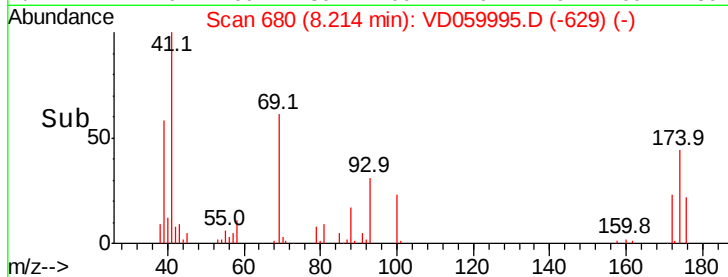
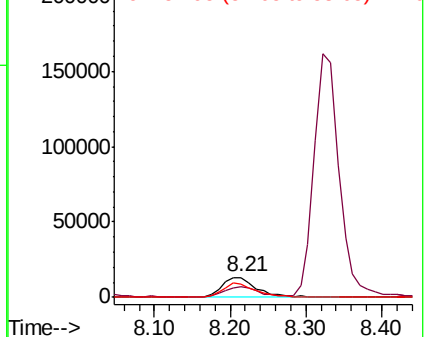
88 100

43 53.6 36.2 54.2

58 66.4 51.0 76.6



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



#50

Toluene-d8

Concen: 416.331 ug/l

RT: 9.43 min Scan# 804

Delta R.T. -0.00 min

Lab File: VD059995.D

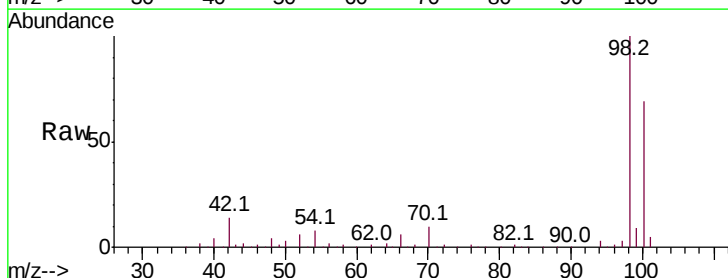
Acq: 13 Sep 2018 13:13

Tgt Ion: 98 Resp: 911072

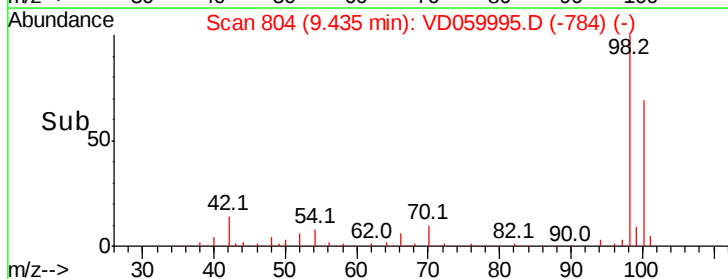
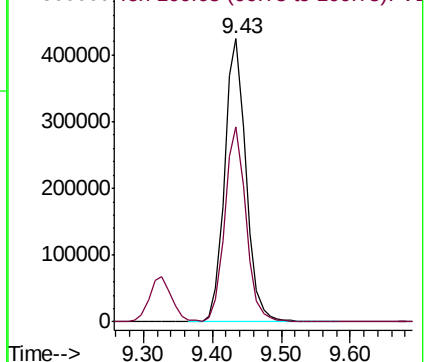
Ion Ratio Lower Upper

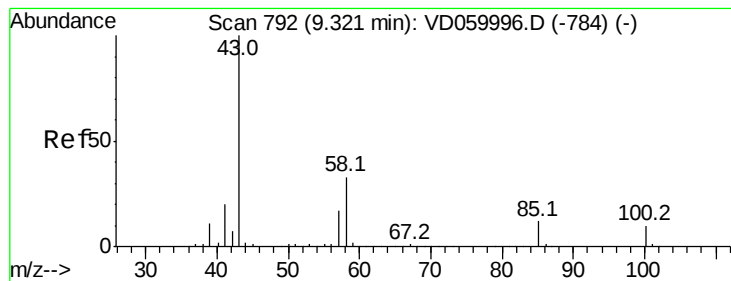
98 100

100 68.8 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: 111.312 ug/l

RT: 9.33 min Scan# 793

Delta R.T. 0.00 min

Lab File: VD059995.D

Acq: 13 Sep 2018 13:13

Instrument :

MSVOA_D

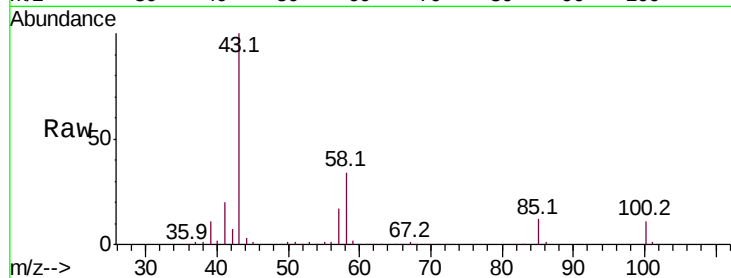
ClientSampleId :

Tot Ion: 43 Resp: 1536486

Ion Ratio Lower Upper

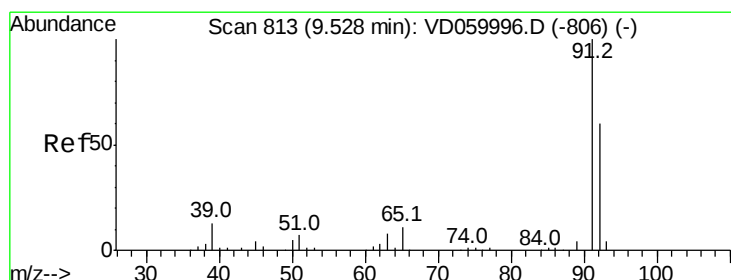
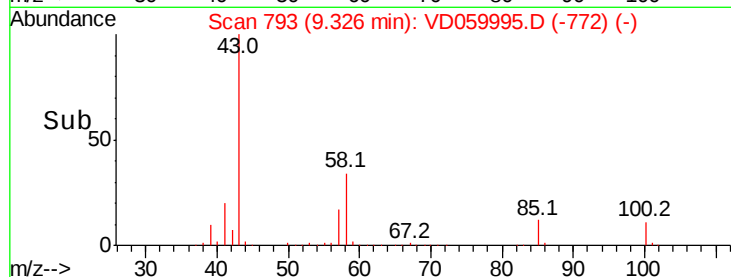
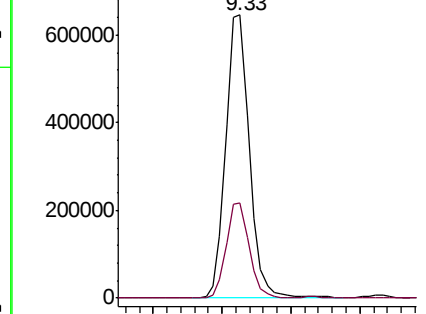
43 100

58 33.8 26.4 39.6



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC



#52

Toluene

Concen: 21.133 ug/l

RT: 9.52 min Scan# 813

Delta R.T. -0.00 min

Lab File: VD059995.D

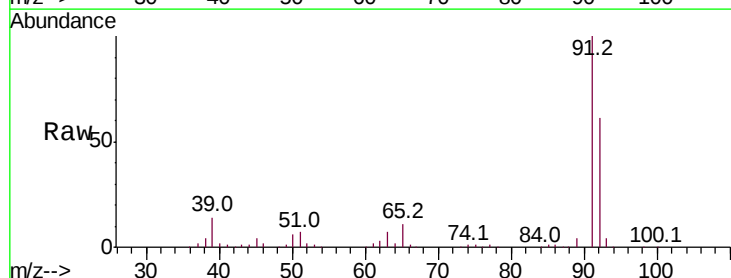
Acq: 13 Sep 2018 13:13

Tgt Ion: 92 Resp: 688227

Ion Ratio Lower Upper

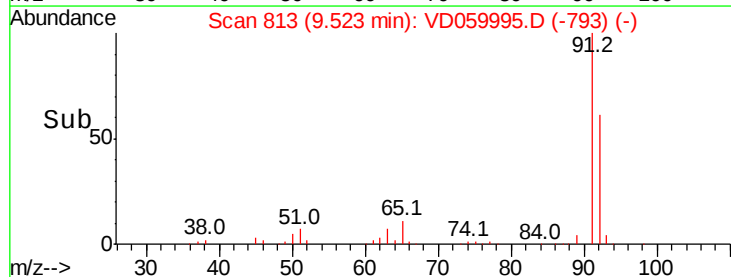
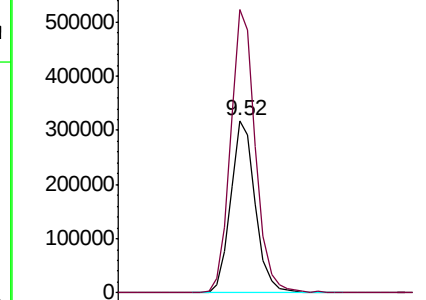
92 100

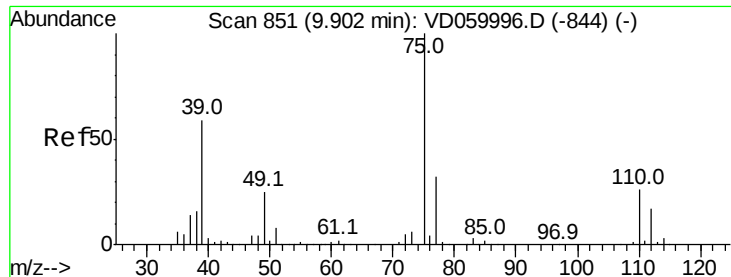
91 164.6 132.3 198.5



Abundance Ion 92.00 (91.70 to 92.70): VDC

Ion 91.00 (90.70 to 91.70): VDC

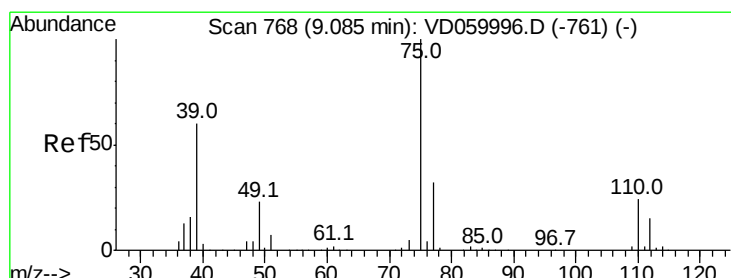
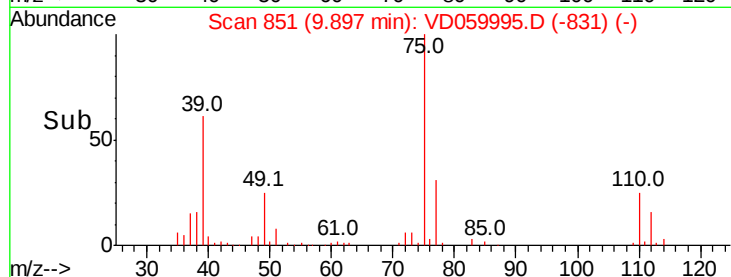
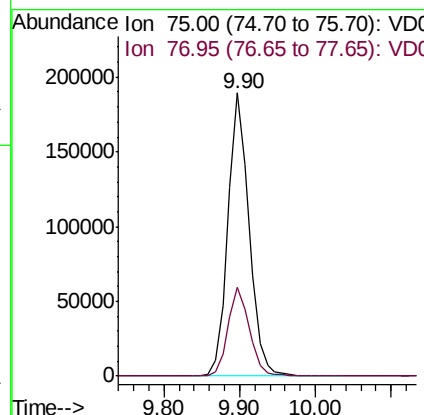
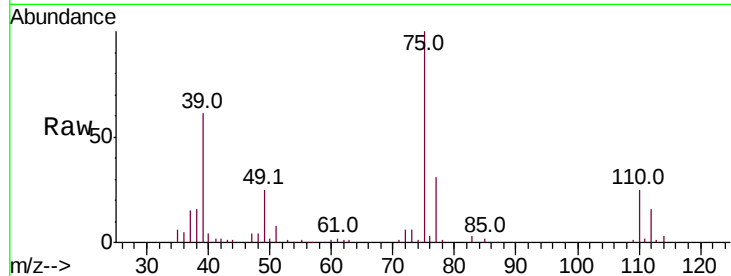




#53
 t-1,3-Dichloropropene
 Concen: 19.576 ug/l
 RT: 9.90 min Scan# 851
 Delta R.T. -0.00 min
 Lab File: VD059995.D
 Acq: 13 Sep 2018 13:13

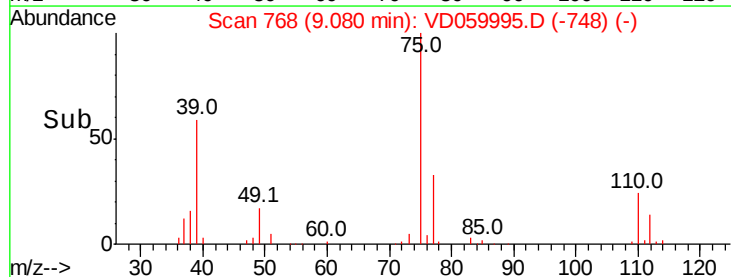
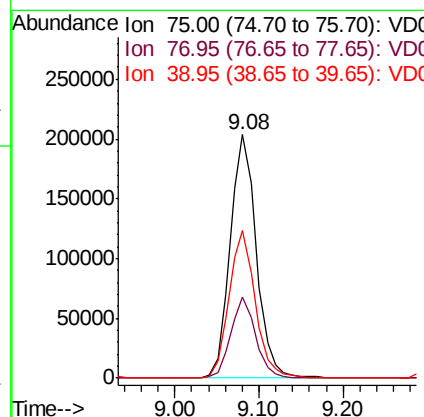
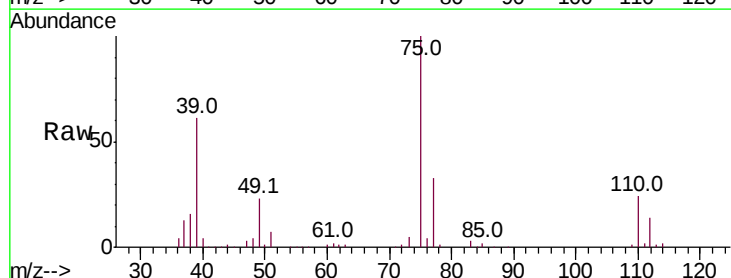
Instrument :
 MSVOA_D
 ClientSampled :

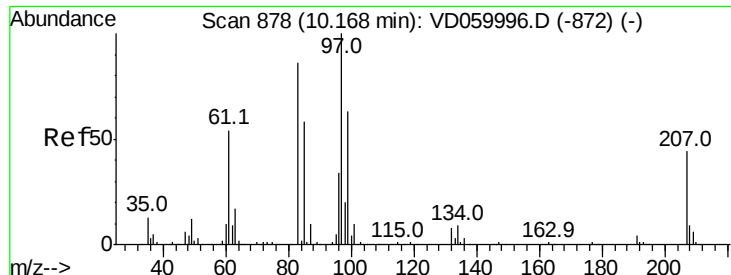
Tot Ion: 75 Resp: 366671
 Ion Ratio Lower Upper
 75 100
 77 31.3 25.6 38.4



#54
 cis-1,3-Dichloropropene
 Concen: 19.897 ug/l
 RT: 9.08 min Scan# 768
 Delta R.T. -0.00 min
 Lab File: VD059995.D
 Acq: 13 Sep 2018 13:13

Tgt Ion: 75 Resp: 437535
 Ion Ratio Lower Upper
 75 100
 77 33.2 25.5 38.3
 39 60.9 48.0 72.0

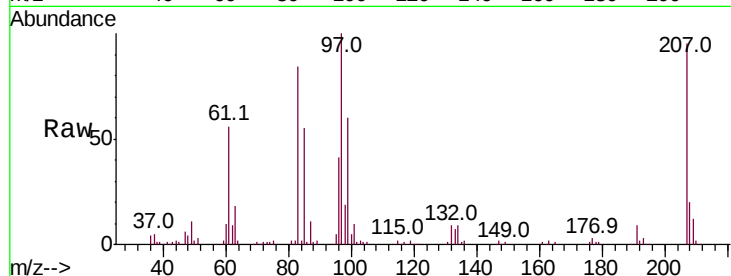




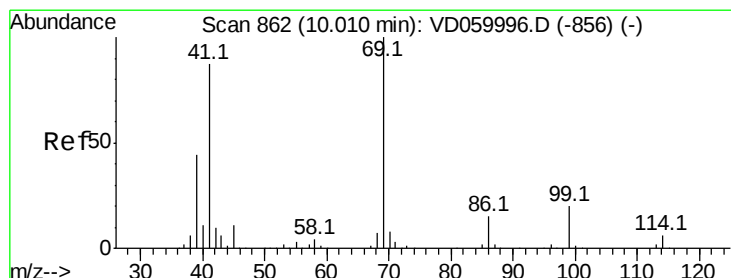
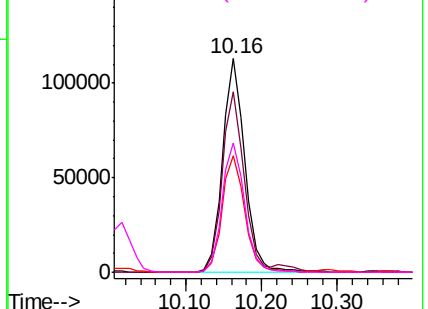
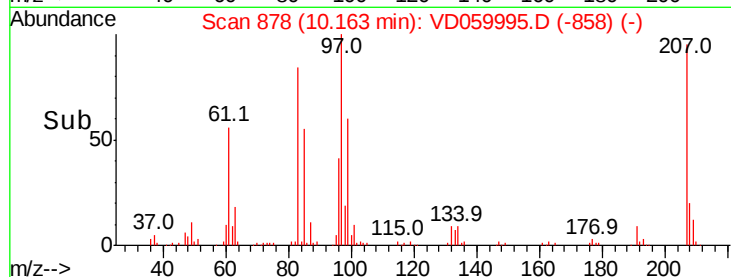
#55
1,1,2-Trichloroethane
Concen: 19.681 ug/l
RT: 10.16 min Scan# 878
Delta R.T. -0.00 min
Lab File: VD059995.D
Acq: 13 Sep 2018 13:13

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 97 Resp: 231039
Ion Ratio Lower Upper
97 100
83 84.3 69.1 103.7
85 54.7 46.2 69.4
99 60.3 50.6 75.8

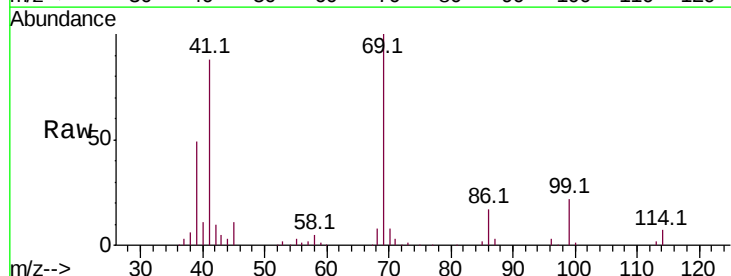


Abundance Ion 96.85 (96.55 to 97.55): VDC
Ion 82.95 (82.65 to 83.65): VDC
Ion 84.95 (84.65 to 85.65): VDC
Ion 98.85 (98.55 to 99.55): VDC

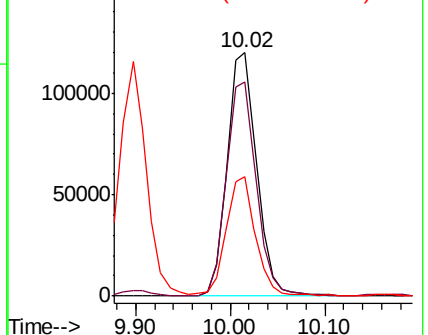
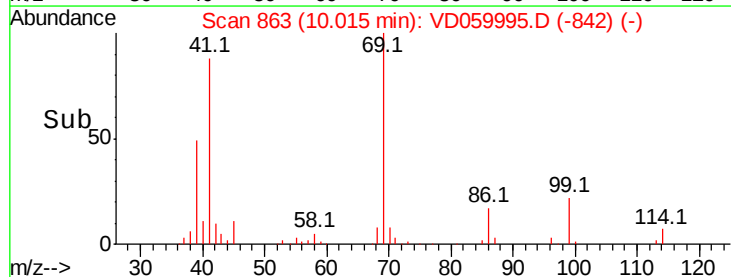


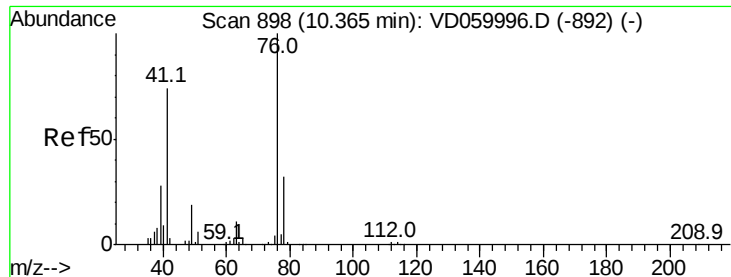
#56
Ethyl methacrylate
Concen: 19.246 ug/l
RT: 10.02 min Scan# 863
Delta R.T. 0.00 min
Lab File: VD059995.D
Acq: 13 Sep 2018 13:13

Tgt Ion: 69 Resp: 258789
Ion Ratio Lower Upper
69 100
41 87.7 70.1 105.1
39 48.8 36.5 54.7



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





#57

1,3-Dichloropropane

Concen: 20.715 ug/l

RT: 10.37 min Scan# 899

Delta R.T. 0.00 min

Lab File: VD059995.D

Acq: 13 Sep 2018 13:13

Instrument :

MSVOA_D

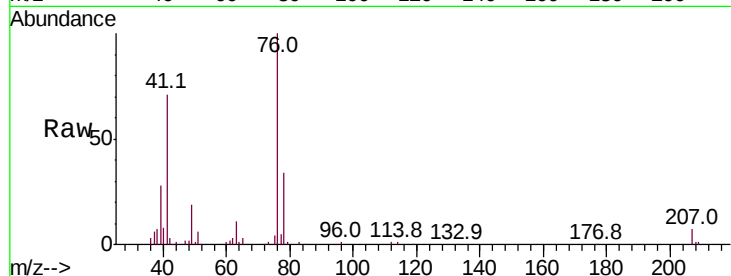
ClientSampleId :

Tot Ion: 76 Resp: 352446

Ion Ratio Lower Upper

76 100

78 33.8 25.3 37.9



Abundance Ion 75.95 (75.65 to 76.65): VDC

Ion 77.95 (77.65 to 78.65): VDC

200000

150000

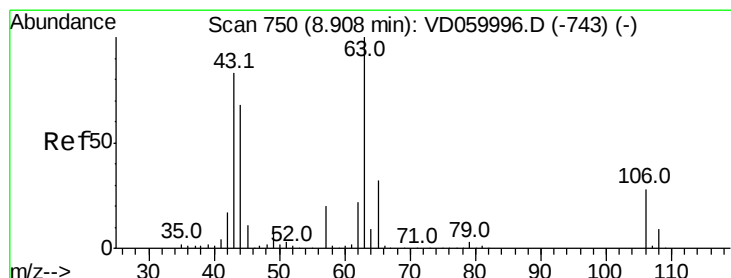
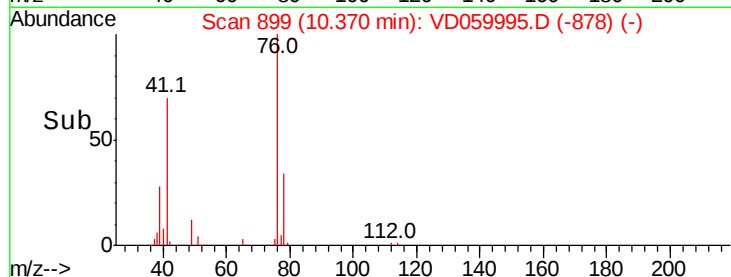
100000

50000

0

10.30 10.40 10.50

Time-->



#58

2-Chloroethyl Vinyl ether

Concen: 104.354 ug/l

RT: 8.90 min Scan# 750

Delta R.T. -0.00 min

Lab File: VD059995.D

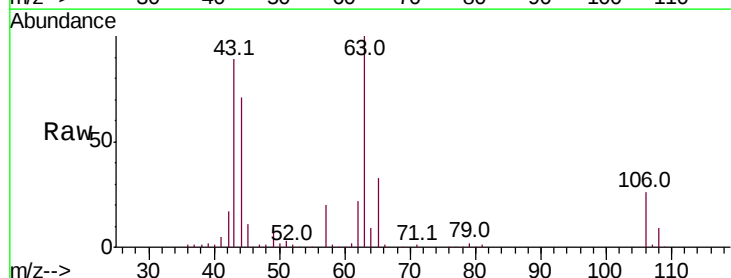
Acq: 13 Sep 2018 13:13

Tgt Ion: 63 Resp: 672184

Ion Ratio Lower Upper

63 100

106 26.5 22.0 33.0



Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 105.95 (105.65 to 106.65): V

300000

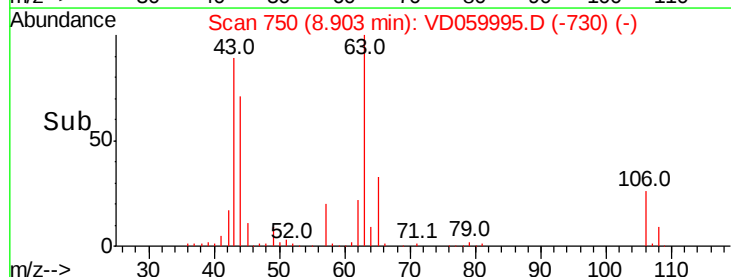
200000

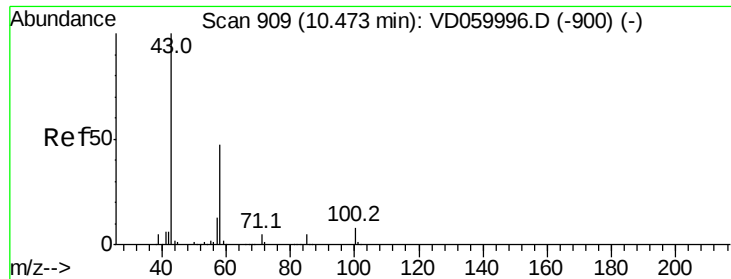
100000

0

8.80 8.90 9.00 9.10

Time-->

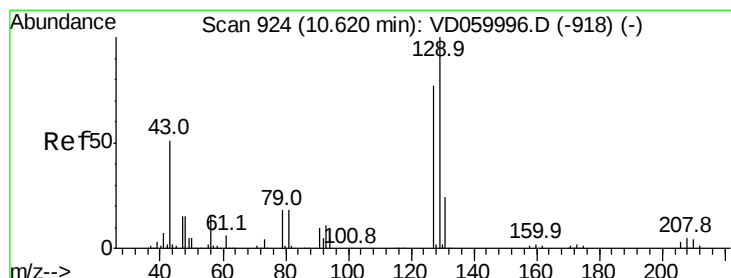
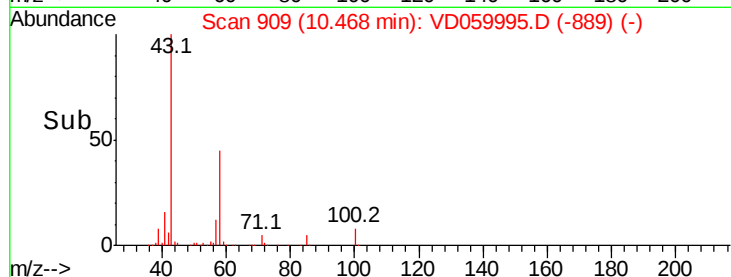
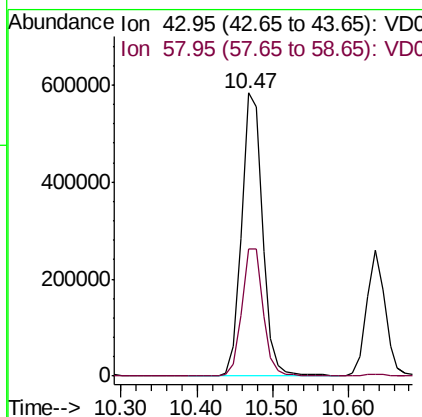
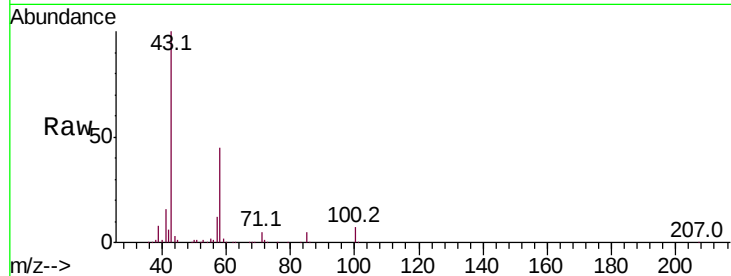




#59
2-Hexanone
Concen: 109.392 ug/l
RT: 10.47 min Scan# 909
Delta R.T. -0.00 min
Lab File: VD059995.D
Acq: 13 Sep 2018 13:13

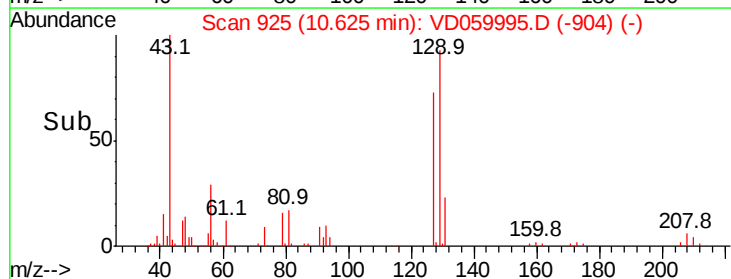
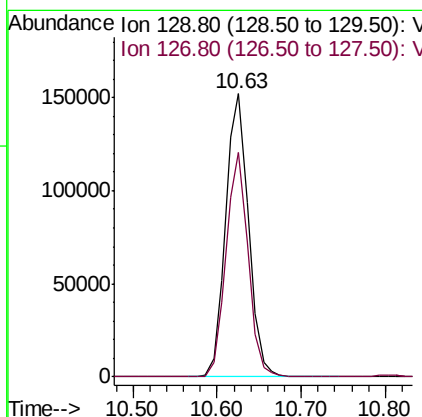
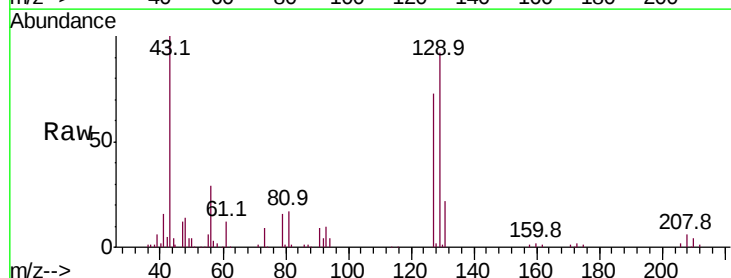
Instrument :
MSVOA_D
ClientSampleId :

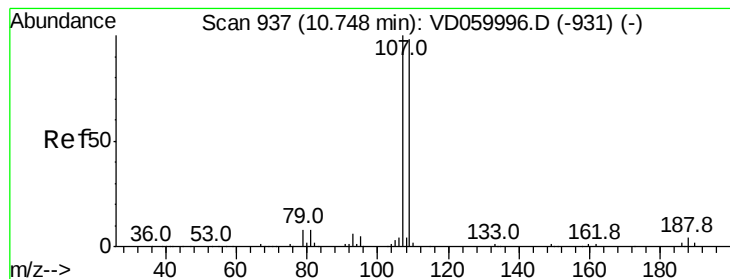
Tot Ion: 43 Resp: 1113559
Ion Ratio Lower Upper
43 100
58 44.8 23.4 70.0



#60
Dibromochloromethane
Concen: 19.387 ug/l
RT: 10.63 min Scan# 925
Delta R.T. 0.00 min
Lab File: VD059995.D
Acq: 13 Sep 2018 13:13

Tgt Ion: 129 Resp: 285563
Ion Ratio Lower Upper
129 100
127 79.2 38.6 116.0





#61

1,2-Dibromoethane

Concen: 20.680 ug/l

RT: 10.74 min Scan# 937

Delta R.T. -0.00 min

Lab File: VD059995.D

Acq: 13 Sep 2018 13:13

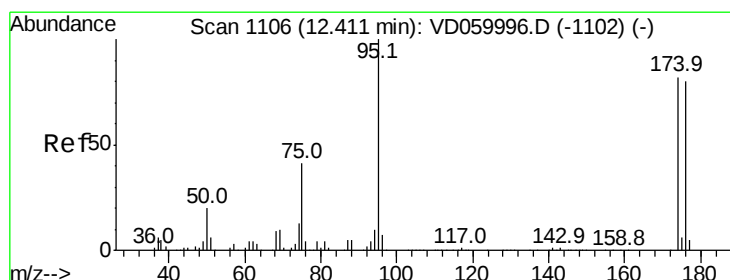
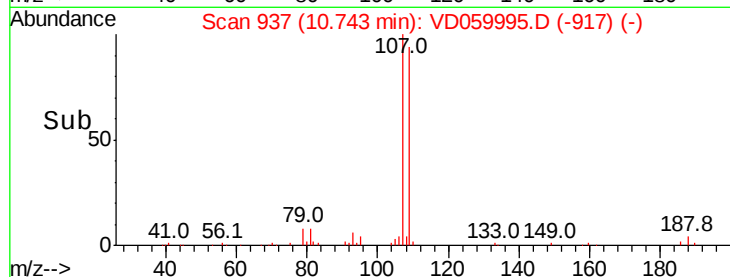
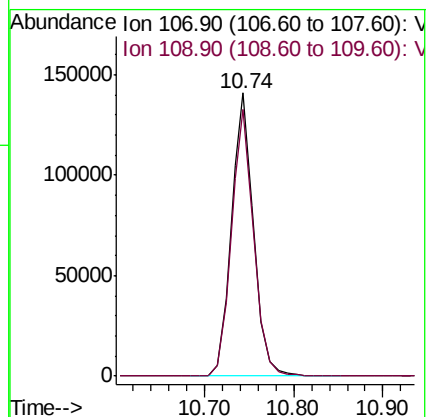
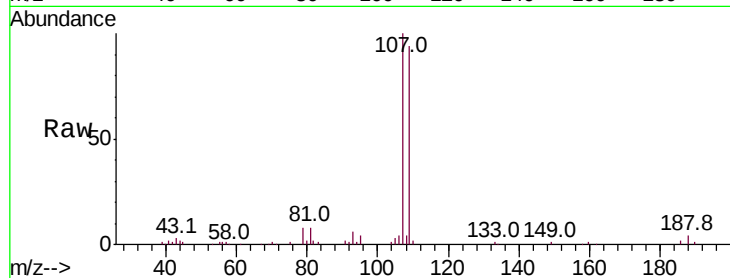
Instrument :
MSVOA_D
ClientSampleId :

Tot Ion:107 Resp: 245277

Ion Ratio Lower Upper

107 100

109 94.3 78.2 117.2



#62

4-Bromofluorobenzene

Concen: 20.680 ug/l

RT: 12.42 min Scan# 1107

Delta R.T. 0.00 min

Lab File: VD059995.D

Acq: 13 Sep 2018 13:13

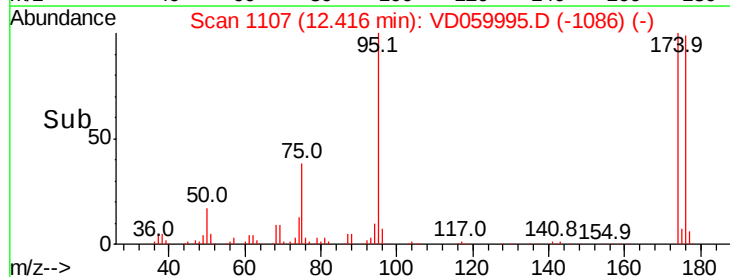
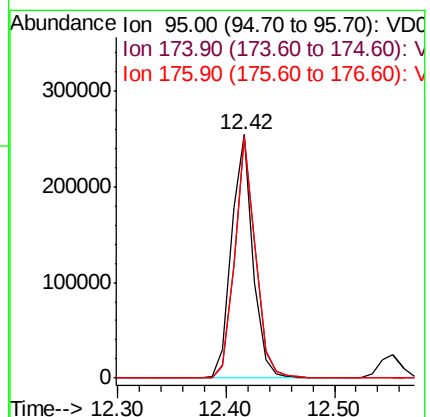
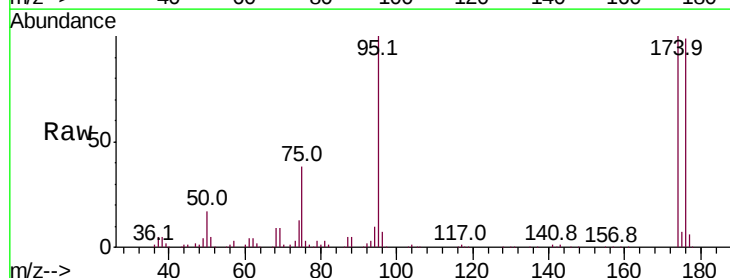
Tgt Ion: 95 Resp: 350353

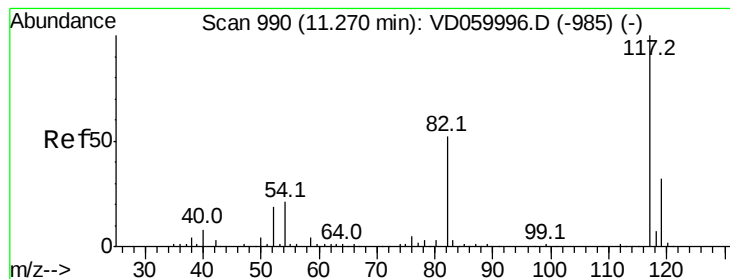
Ion Ratio Lower Upper

95 100

174 99.6 0.0 165.0

176 99.0 0.0 160.2





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.27 min Scan# 990

Delta R.T. -0.00 min

Lab File: VD059995.D

Acq: 13 Sep 2018 13:13

Instrument :

MSVOA_D

ClientSampled :

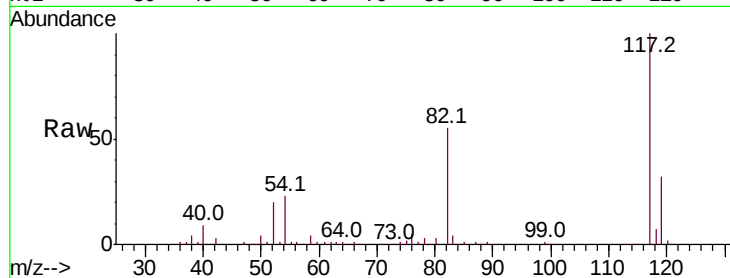
Tot Ion:117 Resp: 1720574

Ion Ratio Lower Upper

117 100

82 54.6 41.7 62.5

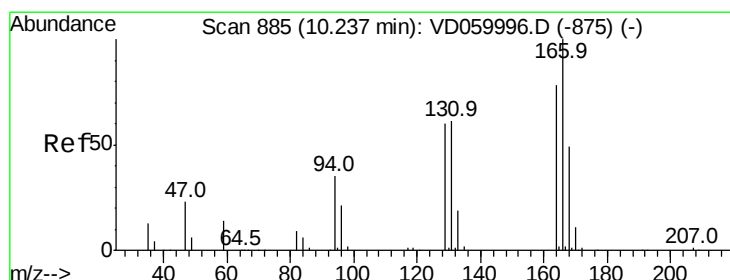
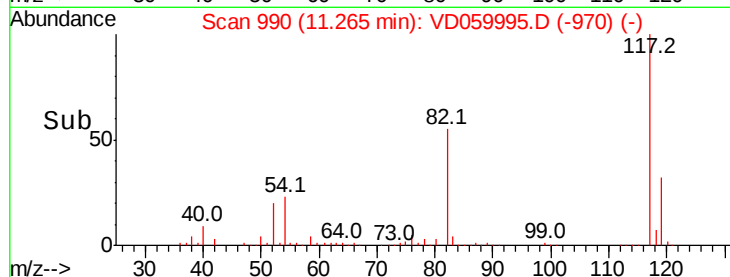
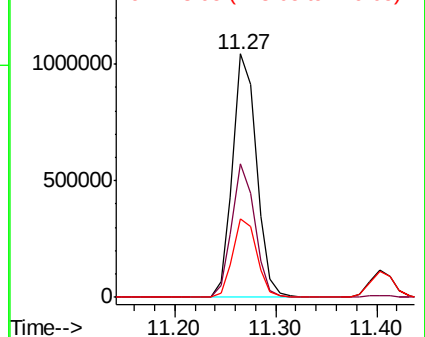
119 32.4 26.0 39.0



Abundance Ion 116.95 (116.65 to 117.65): V

Ion 82.05 (81.75 to 82.75): VD

Ion 118.95 (118.65 to 119.65): V



#64

Tetrachloroethene

Concen: 22.001 ug/l

RT: 10.23 min Scan# 885

Delta R.T. -0.00 min

Lab File: VD059995.D

Acq: 13 Sep 2018 13:13

Tgt Ion:164 Resp: 303717

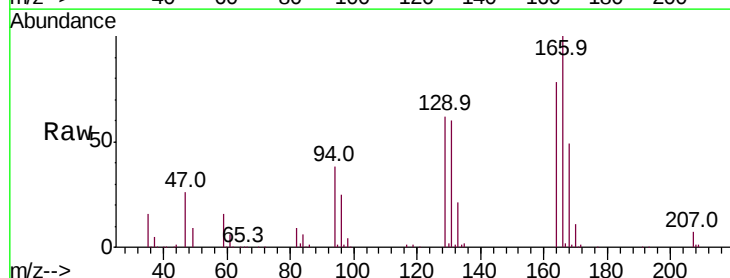
Ion Ratio Lower Upper

164 100

166 127.8 103.0 154.6

129 79.5 61.9 92.9

131 77.1 62.6 93.8

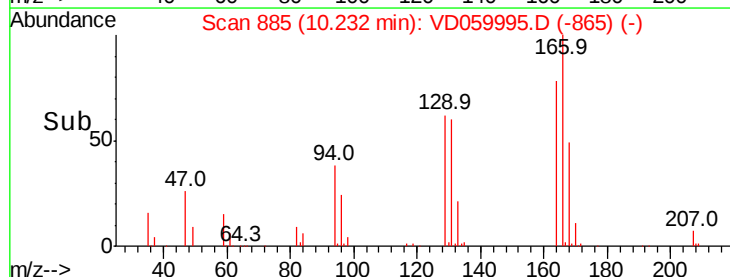
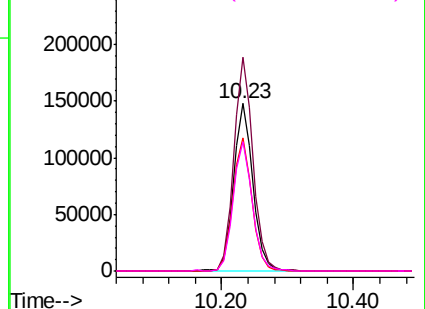


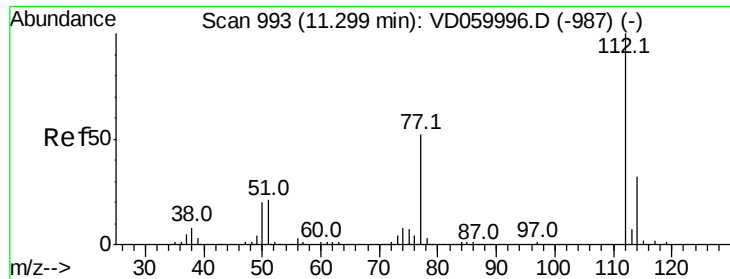
Abundance Ion 163.85 (163.55 to 164.55): V

Ion 165.85 (165.55 to 166.55): V

Ion 128.80 (128.50 to 129.50): V

Ion 130.80 (130.50 to 131.50): V

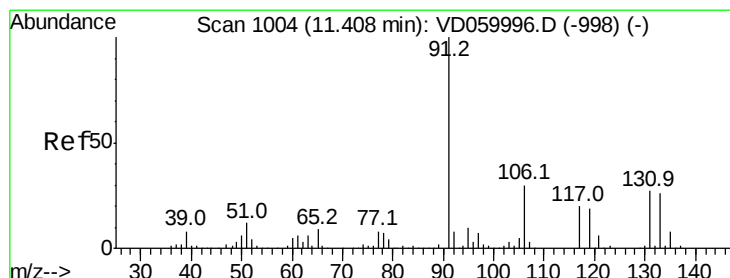
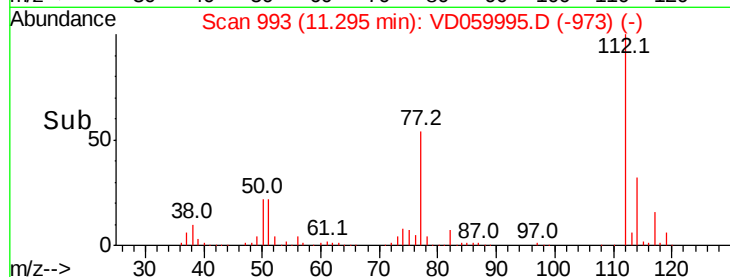
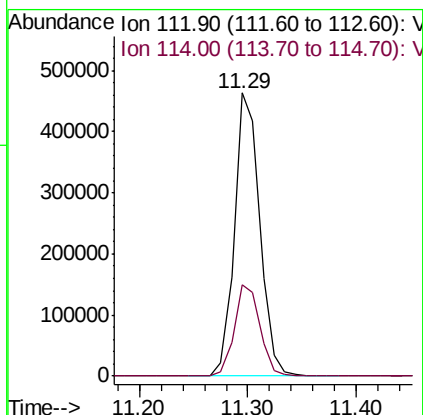
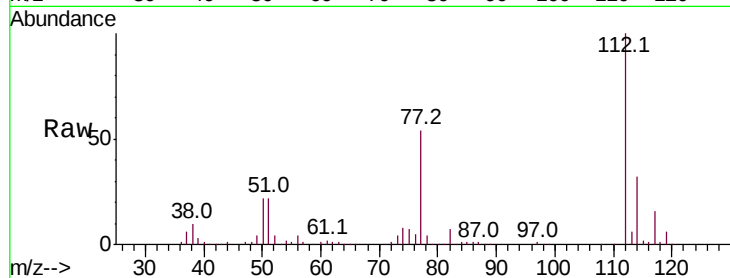




#65
Chlorobenzene
Concen: 21.450 ug/l
RT: 11.29 min Scan# 993
Delta R.T. -0.00 min
Lab File: VD059995.D
Acq: 13 Sep 2018 13:13

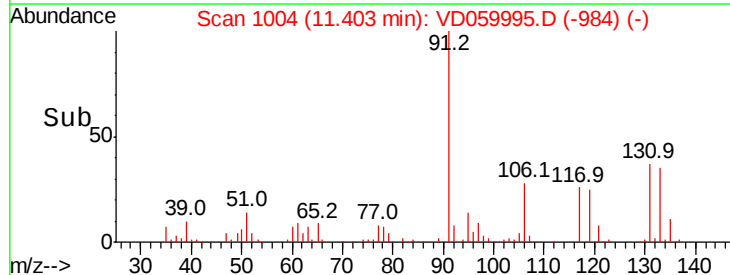
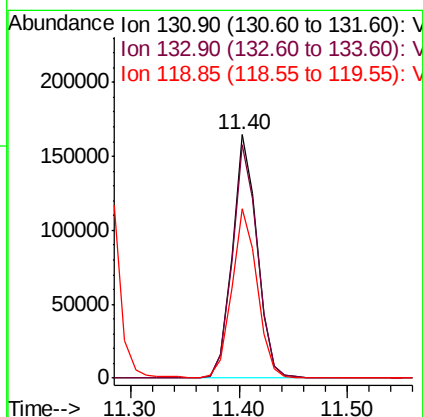
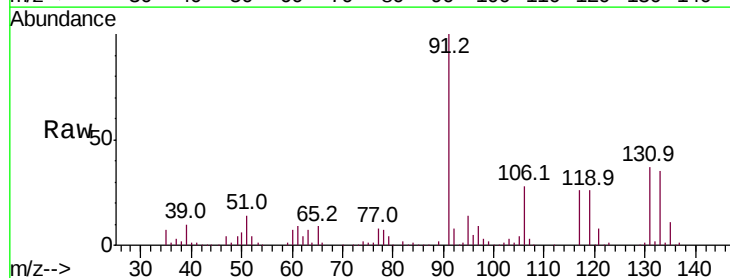
Instrument :
MSVOA_D
ClientSampleId :

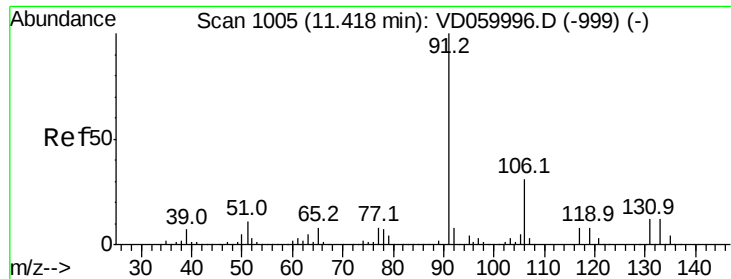
Tot Ion:112 Resp: 752740
Ion Ratio Lower Upper
112 100
114 32.3 25.3 37.9



#66
1,1,1,2-Tetrachloroethane
Concen: 20.706 ug/l
RT: 11.40 min Scan# 1004
Delta R.T. -0.00 min
Lab File: VD059995.D
Acq: 13 Sep 2018 13:13

Tgt Ion:131 Resp: 261865
Ion Ratio Lower Upper
131 100
133 96.0 47.4 142.3
119 69.4 35.6 106.9

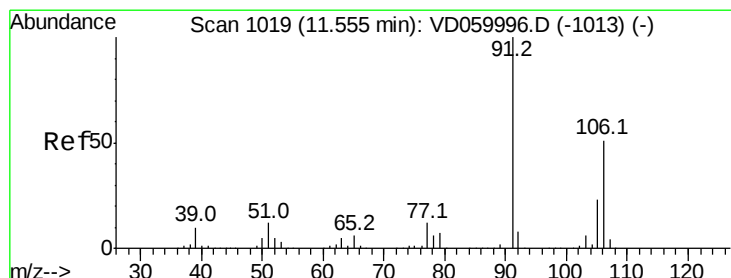
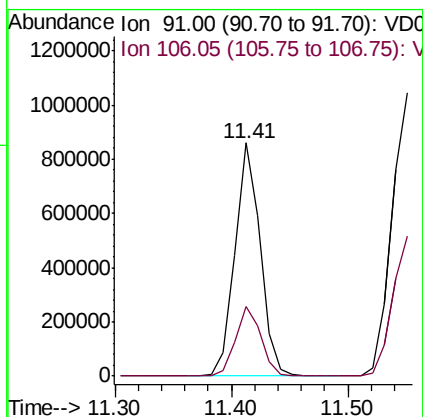
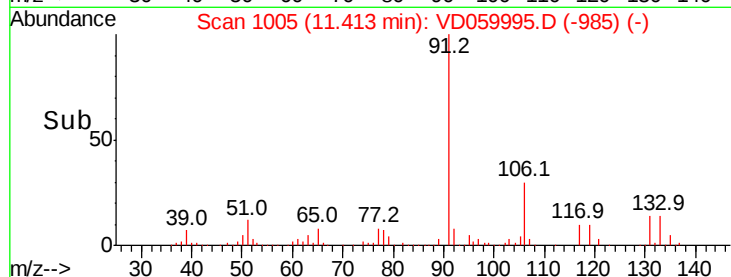
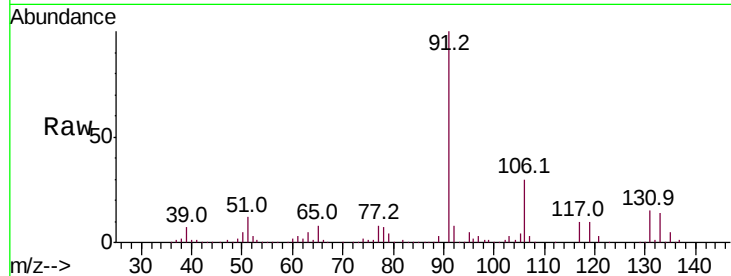




#67
Ethyl Benzene
Concen: 22.051 ug/l
RT: 11.41 min Scan# 1005
Delta R.T. -0.00 min
Lab File: VD059995.D
Acq: 13 Sep 2018 13:13

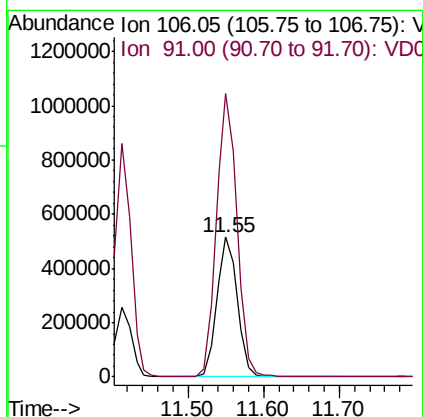
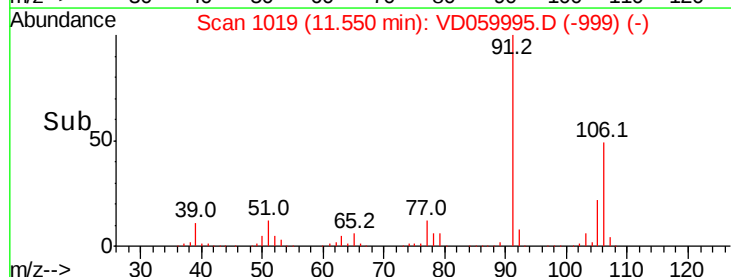
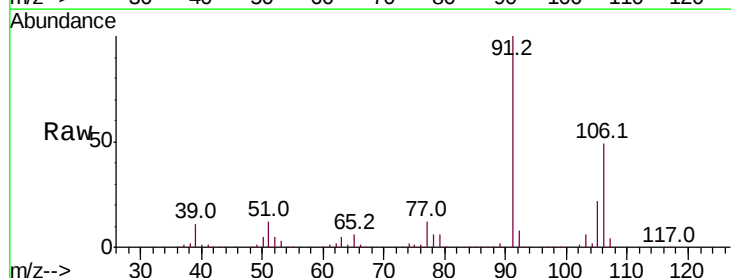
Instrument :
MSVOA_D
ClientSampled :

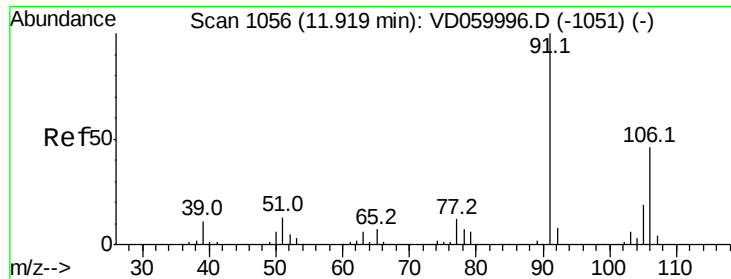
Tot Ion: 91 Resp: 1292756
Ion Ratio Lower Upper
91 100
106 30.0 24.8 37.2



#68
m/p-Xylenes
Concen: 45.297 ug/l
RT: 11.55 min Scan# 1019
Delta R.T. -0.00 min
Lab File: VD059995.D
Acq: 13 Sep 2018 13:13

Tgt Ion: 106 Resp: 976295
Ion Ratio Lower Upper
106 100
91 202.9 157.0 235.6

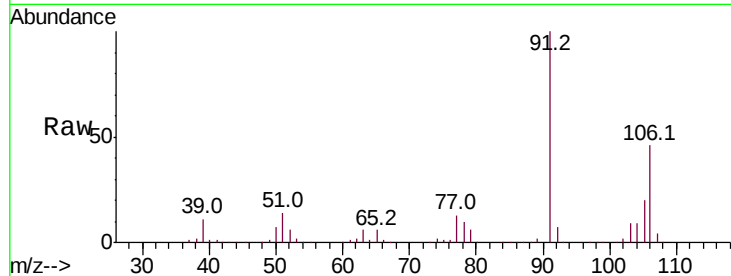




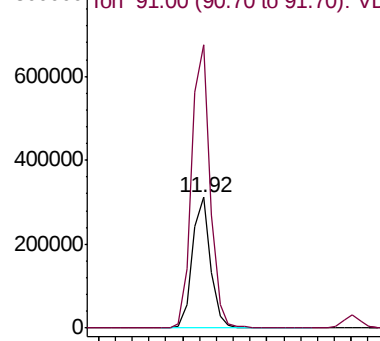
#69
o-Xylene
Concen: 22.189 ug/l
RT: 11.92 min Scan# 1057
Delta R.T. 0.00 min
Lab File: VD059995.D
Acq: 13 Sep 2018 13:13

Instrument :
MSVOA_D
ClientSampled :

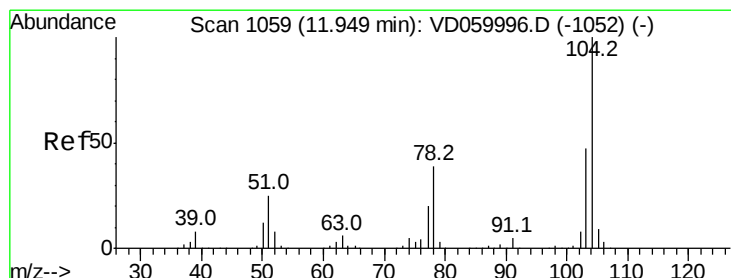
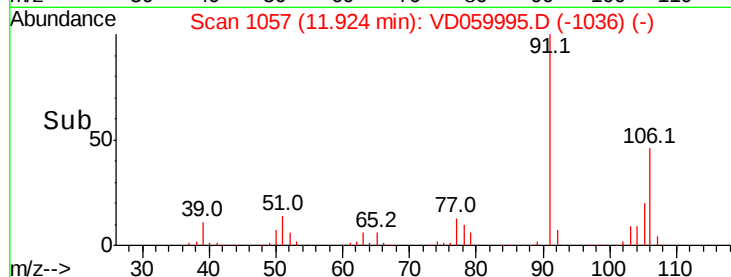
Tot Ion:106 Resp: 466458
Ion Ratio Lower Upper
106 100
91 216.0 107.7 323.1



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

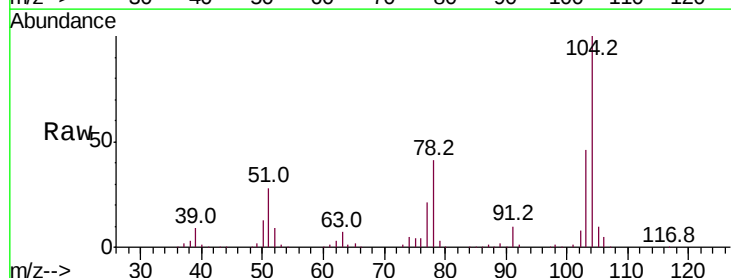


Time-->

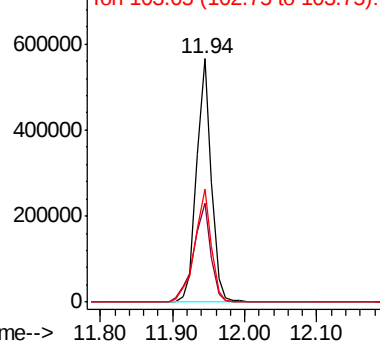


#70
Styrene
Concen: 21.935 ug/l
RT: 11.94 min Scan# 1059
Delta R.T. -0.00 min
Lab File: VD059995.D
Acq: 13 Sep 2018 13:13

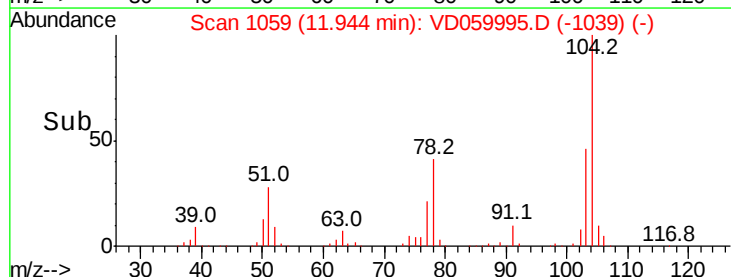
Tgt Ion:104 Resp: 792923
Ion Ratio Lower Upper
104 100
78 40.5 31.0 46.4
103 46.2 37.6 56.4

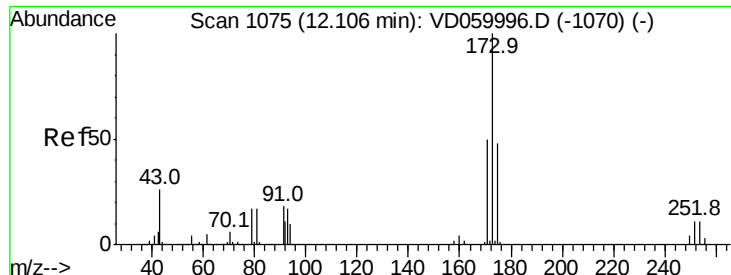


Abundance Ion 104.05 (103.75 to 104.75): V
Ion 77.95 (77.65 to 78.65): VDC
Ion 103.05 (102.75 to 103.75): V



Time-->





#71

Bromoform

Concen: 19.359 ug/l

RT: 12.10 min Scan# 1075

Delta R.T. -0.00 min

Lab File: VD059995.D

Acq: 13 Sep 2018 13:13

Instrument :

MSVOA_D

ClientSampleId :

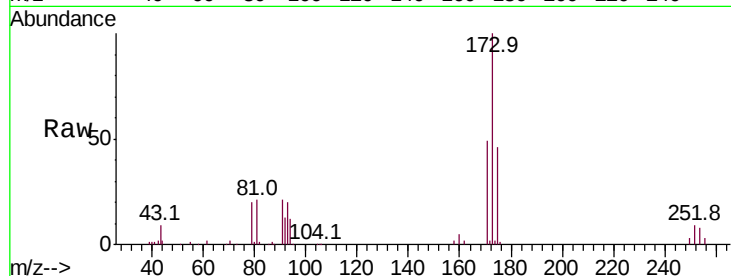
Tot Ion:173 Resp: 211470

Ion Ratio Lower Upper

173 100

175 45.7 24.0 72.0

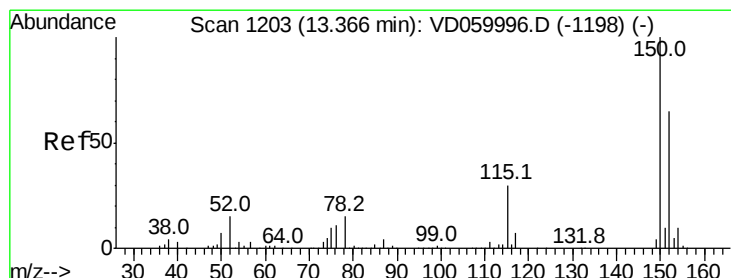
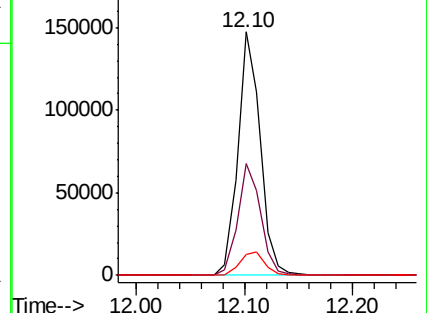
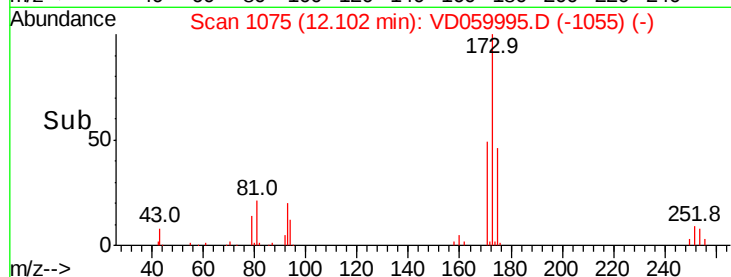
254 8.4 8.6 13.0#



Abundance Ion 172.80 (172.50 to 173.50): V

200000 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: 13.36 min Scan# 1203

Delta R.T. -0.00 min

Lab File: VD059995.D

Acq: 13 Sep 2018 13:13

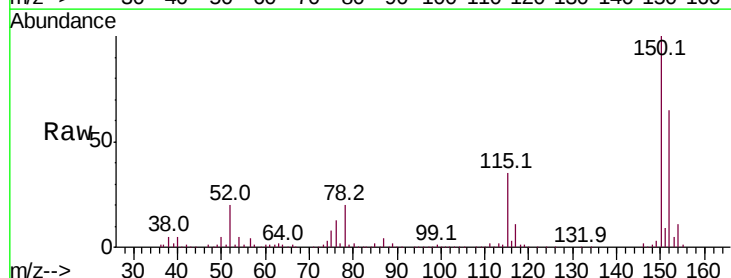
Tgt Ion:152 Resp: 907145

Ion Ratio Lower Upper

152 100

115 53.8 24.6 73.8

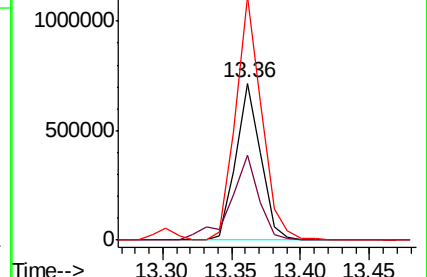
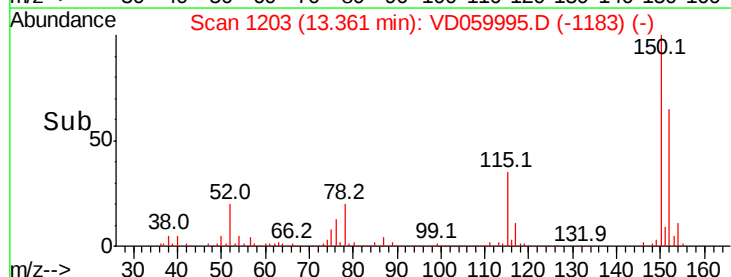
150 154.9 0.0 313.4

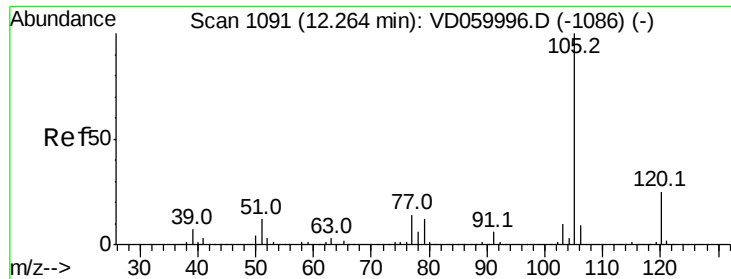


Abundance Ion 151.90 (151.60 to 152.60): V

1500000 Ion 115.00 (114.70 to 115.70): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 20.758 ug/l

RT: 12.27 min Scan# 1092

Delta R.T. 0.00 min

Lab File: VD059995.D

Acq: 13 Sep 2018 13:13

Instrument :

MSVOA_D

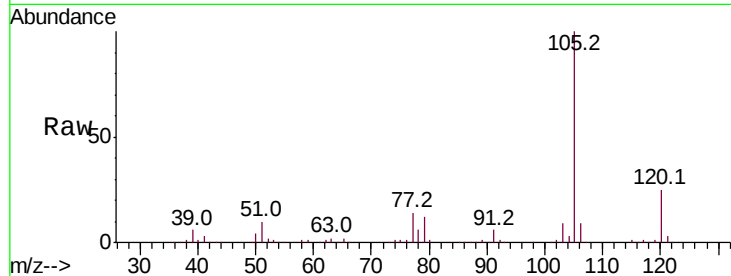
ClientSampled :

Tot Ion:105 Resp: 1224821

Ion Ratio Lower Upper

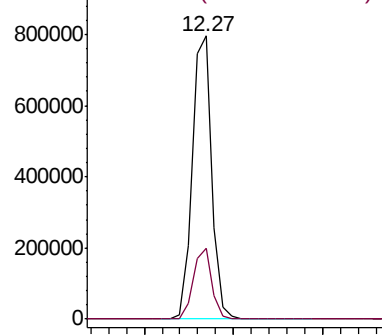
105 100

120 24.9 12.3 36.9

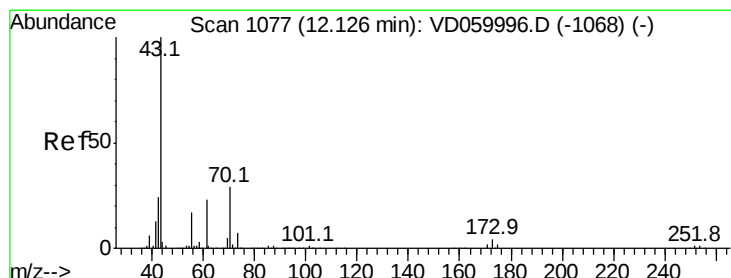
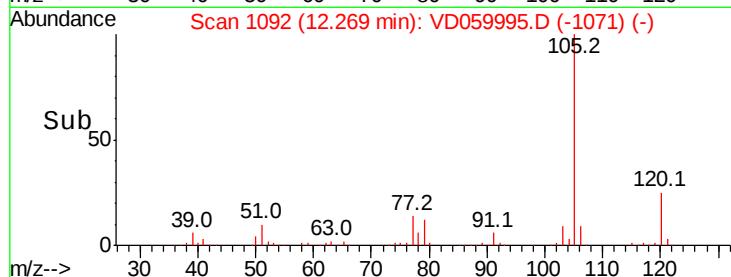


Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.05 (119.75 to 120.75): V



Time-->



#74

N-ethyl acetate

Concen: 18.963 ug/l

RT: 12.12 min Scan# 1077

Delta R.T. -0.00 min

Lab File: VD059995.D

Acq: 13 Sep 2018 13:13

Tgt Ion: 43 Resp: 477891

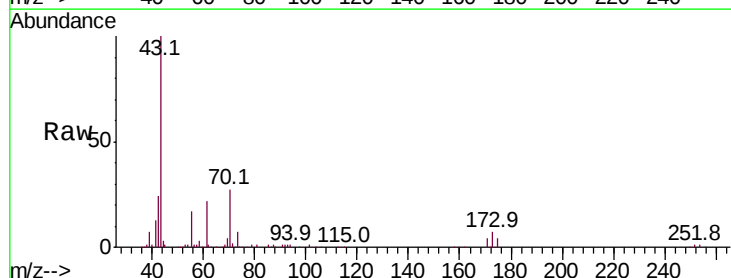
Ion Ratio Lower Upper

43 100

70 26.9 22.9 34.3

55 17.4 14.0 21.0

61 22.4 18.7 28.1

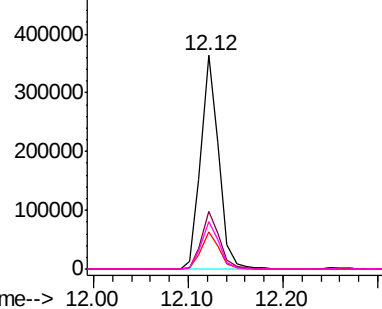


Abundance Ion 42.95 (42.65 to 43.65): V

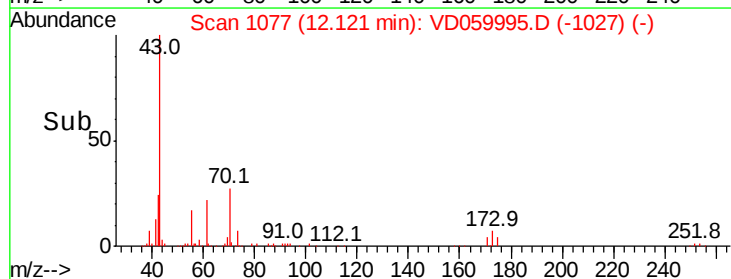
Ion 70.00 (69.70 to 70.70): V

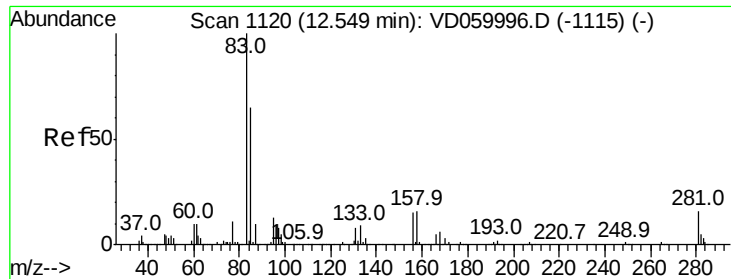
Ion 55.00 (54.70 to 55.70): V

Ion 60.95 (60.65 to 61.65): V



Time-->





#75

1,1,2,2-Tetrachloroethane

Concen: 19.743 ug/l

RT: 12.55 min Scan# 1121

Delta R.T. 0.00 min

Lab File: VD059995.D

Acq: 13 Sep 2018 13:13

Instrument :

MSVOA_D

ClientSampleId :

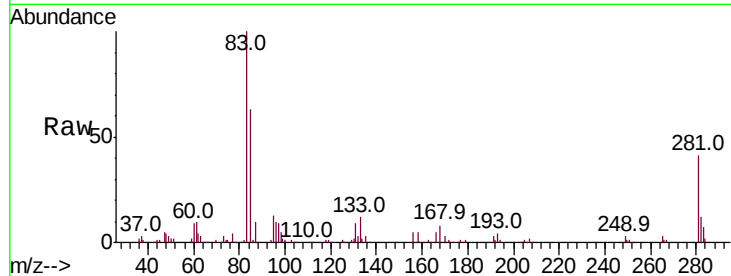
Tot Ion: 83 Resp: 267755

Ion Ratio Lower Upper

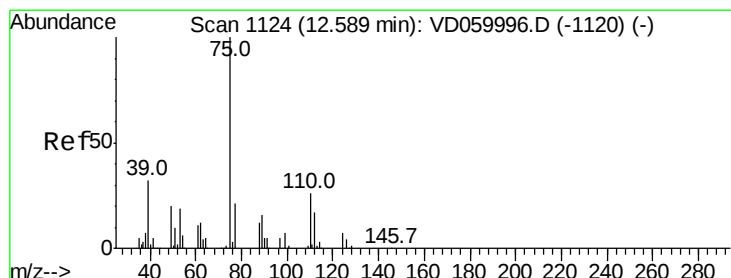
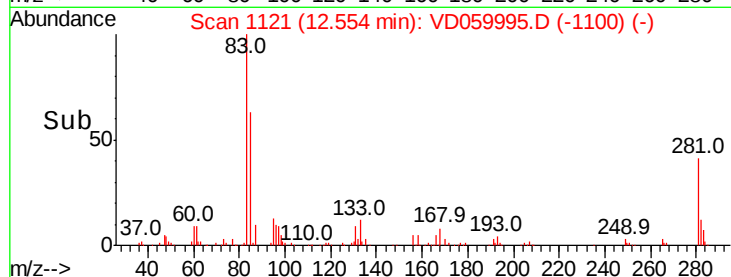
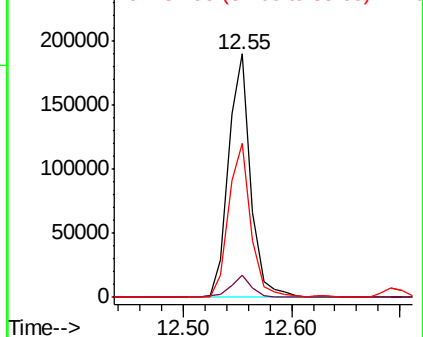
83 100

131 8.9 4.1 12.3

85 63.3 32.4 97.2



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



#76

1,2,3-Trichloropropane

Concen: 19.408 ug/l

RT: 12.58 min Scan# 1124

Delta R.T. -0.00 min

Lab File: VD059995.D

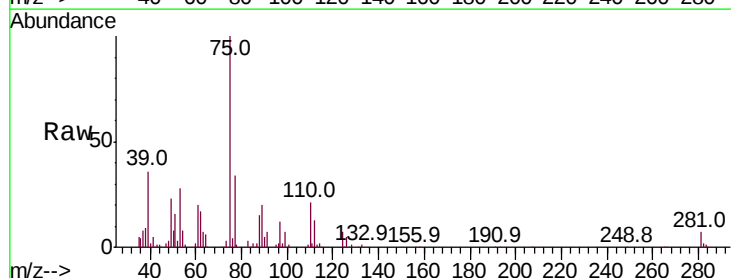
Acq: 13 Sep 2018 13:13

Tgt Ion: 75 Resp: 274183

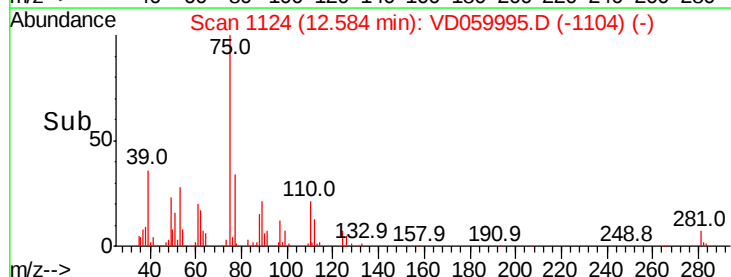
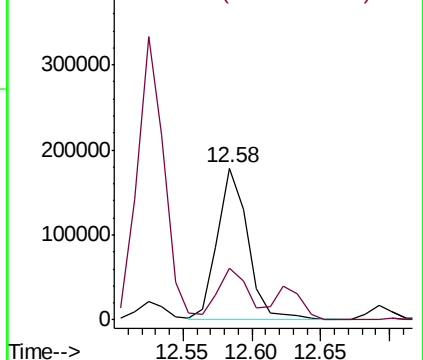
Ion Ratio Lower Upper

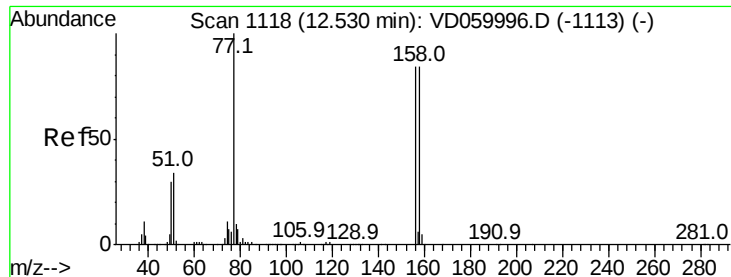
75 100

77 33.9 16.4 49.4



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

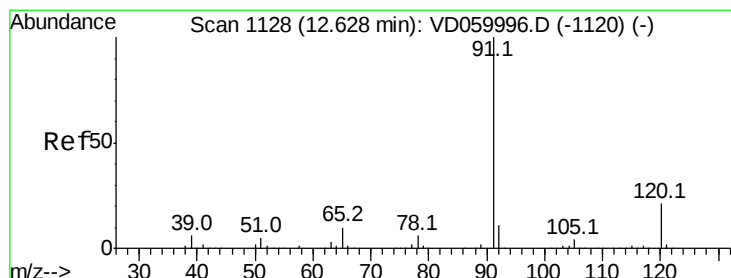
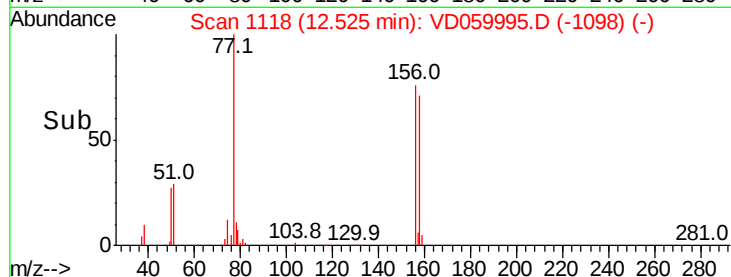
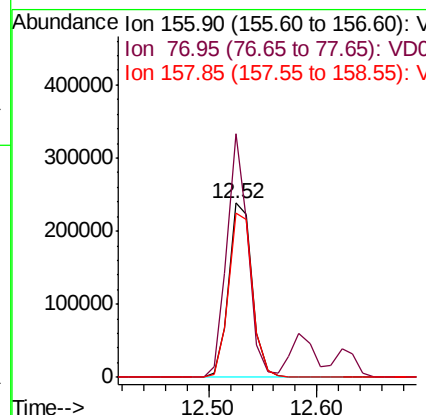
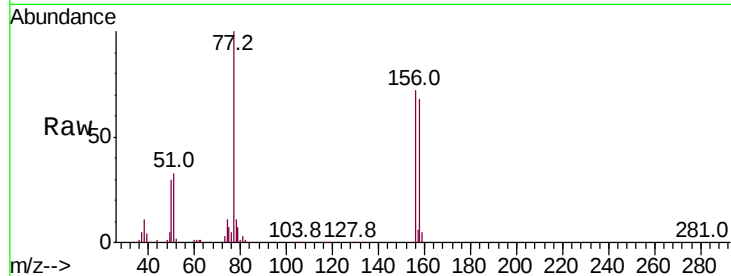




#77
Bromobenzene
Concen: 21.997 ug/l
RT: 12.52 min Scan# 1118
Delta R.T. -0.00 min
Lab File: VD059995.D
Acq: 13 Sep 2018 13:13

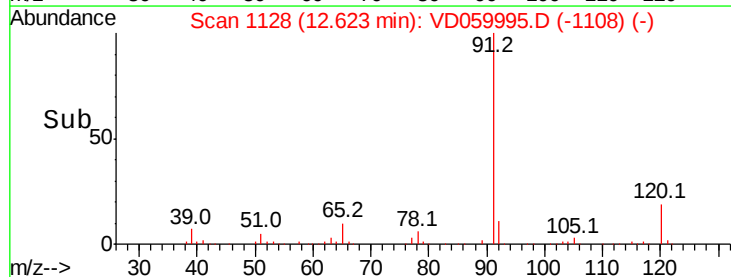
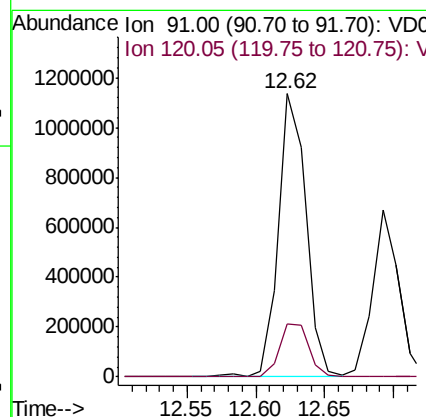
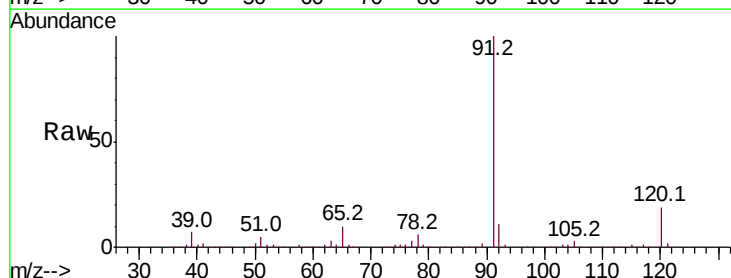
Instrument :
MSVOA_D
ClientSampleId :

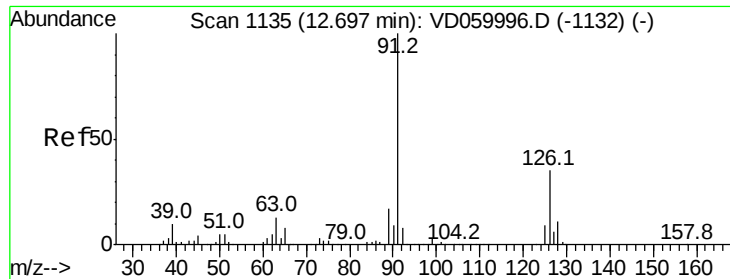
Tot Ion:156 Resp: 359532
Ion Ratio Lower Upper
156 100
77 139.6 59.5 178.4
158 94.3 50.0 149.8



#78
n-propylbenzene
Concen: 21.283 ug/l
RT: 12.62 min Scan# 1128
Delta R.T. -0.00 min
Lab File: VD059995.D
Acq: 13 Sep 2018 13:13

Tgt Ion: 91 Resp: 1583100
Ion Ratio Lower Upper
91 100
120 18.9 10.7 31.9





#79

2-Chlorotoluene

Concen: 21.037 ug/l

RT: 12.69 min Scan# 1135

Delta R.T. -0.00 min

Lab File: VD059995.D

Acq: 13 Sep 2018 13:13

Instrument :

MSVOA_D

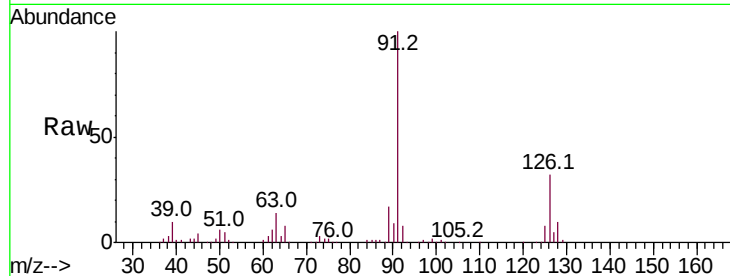
ClientSampleId :

Tot Ion: 91 Resp: 883732

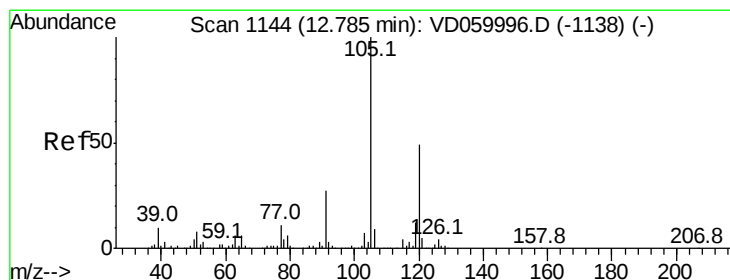
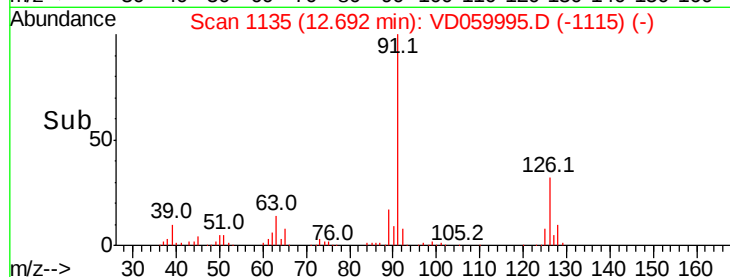
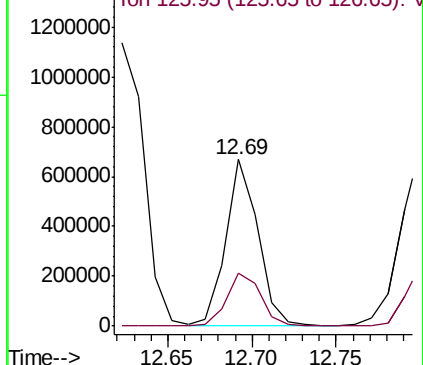
Ion Ratio Lower Upper

91 100

126 32.0 17.3 52.0



Abundance Ion 91.00 (90.70 to 91.70): V



#80

1,3,5-Trimethylbenzene

Concen: 20.830 ug/l

RT: 12.78 min Scan# 1144

Delta R.T. -0.00 min

Lab File: VD059995.D

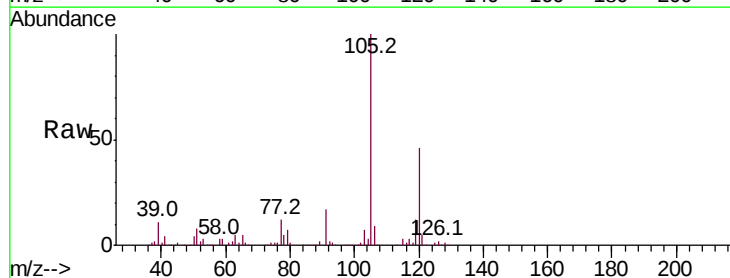
Acq: 13 Sep 2018 13:13

Tgt Ion:105 Resp: 972654

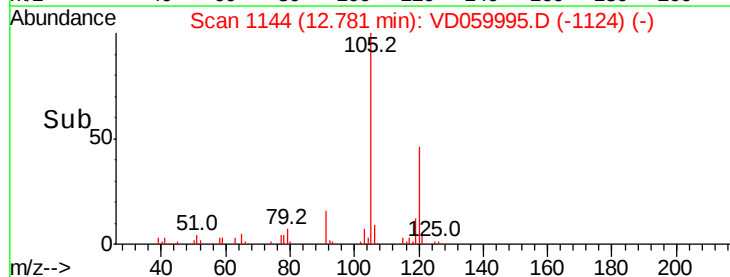
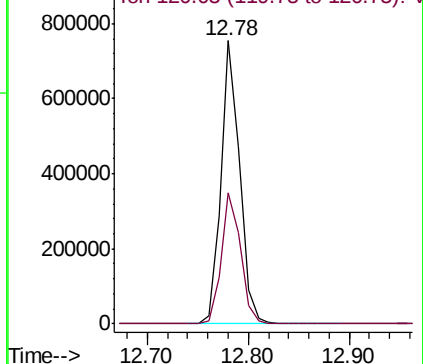
Ion Ratio Lower Upper

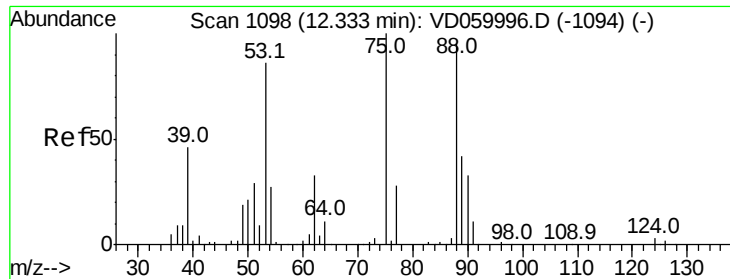
105 100

120 46.4 24.4 73.2



Abundance Ion 105.05 (104.75 to 105.75): V

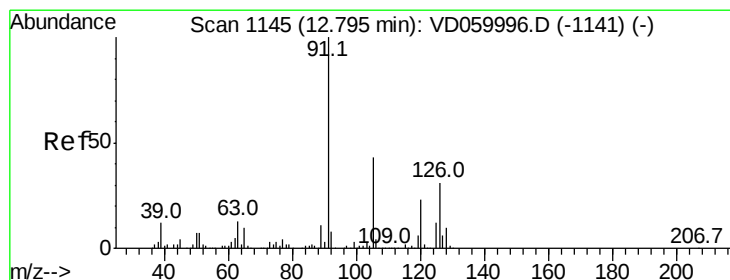
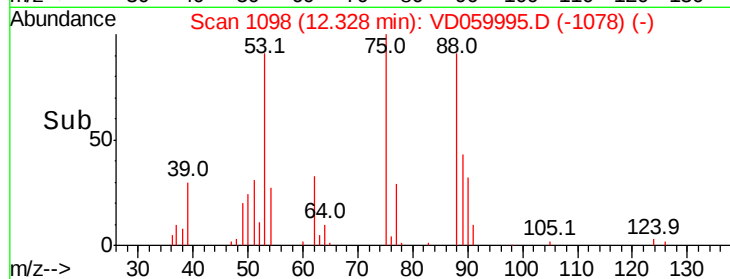
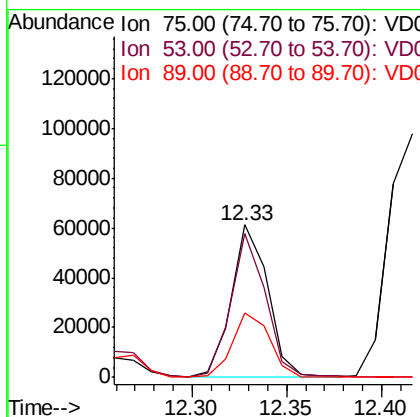
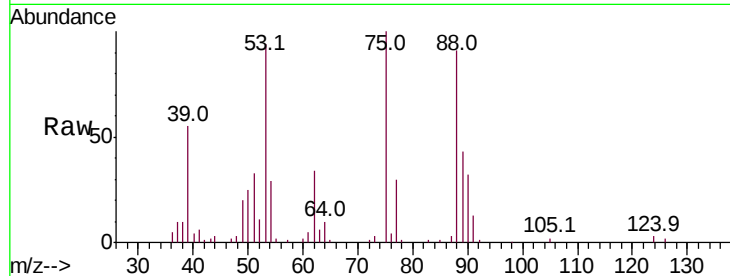




#81
trans-1,4-Dichloro-2-butene
Concen: 18.674 ug/l
RT: 12.33 min Scan# 1098
Delta R.T. -0.00 min
Lab File: VD059995.D
Acq: 13 Sep 2018 13:13

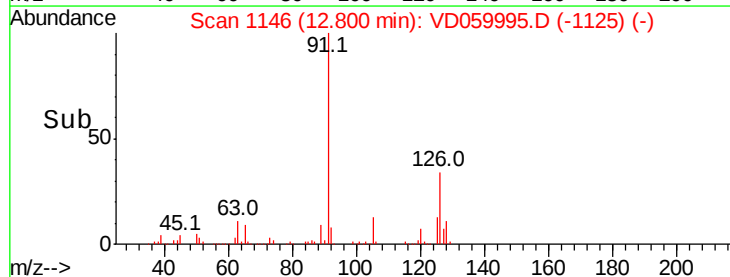
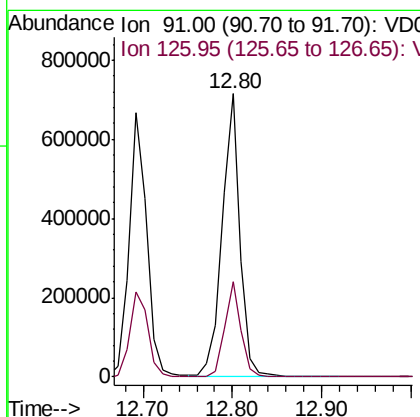
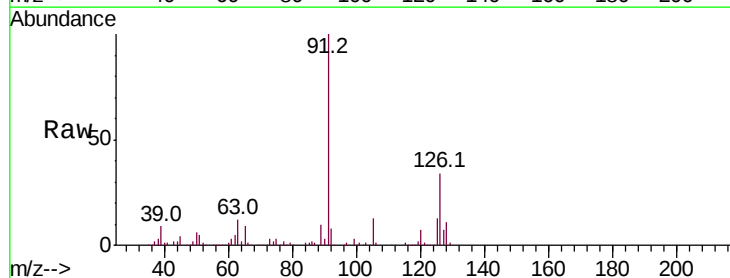
Instrument :
MSVOA_D
ClientSampled :

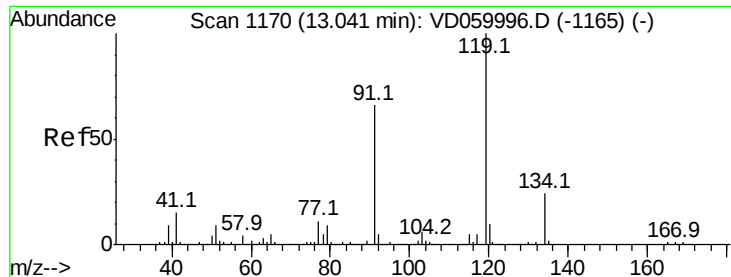
Tot Ion: 75 Resp: 81446
Ion Ratio Lower Upper
75 100
53 93.9 68.4 102.6
89 42.6 33.8 50.6



#82
4-Chlorotoluene
Concen: 21.116 ug/l
RT: 12.80 min Scan# 1146
Delta R.T. 0.00 min
Lab File: VD059995.D
Acq: 13 Sep 2018 13:13

Tgt Ion: 91 Resp: 1005691
Ion Ratio Lower Upper
91 100
126 33.8 15.4 46.1

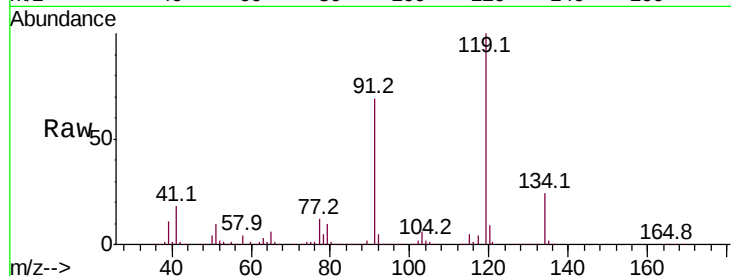




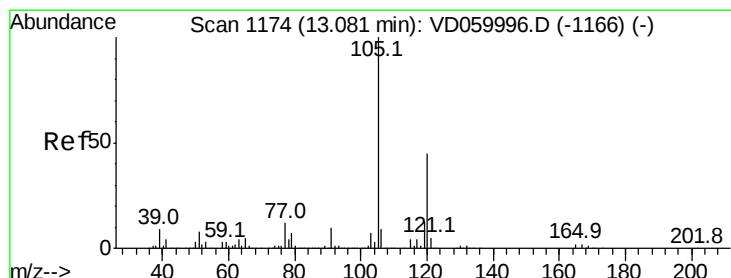
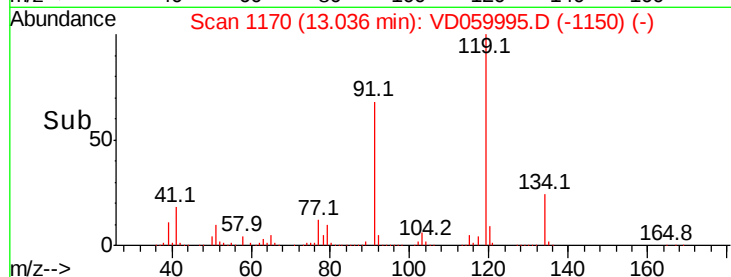
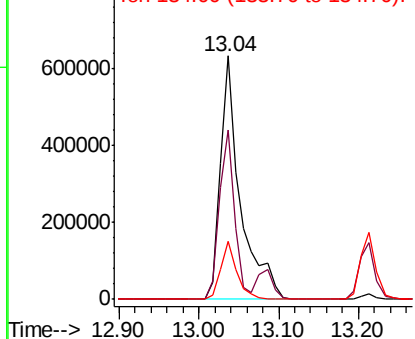
#83
tert-Butylbenzene
Concen: 21.158 ug/l
RT: 13.04 min Scan# 1170
Delta R.T. -0.00 min
Lab File: VD059995.D
Acq: 13 Sep 2018 13:13

Instrument :
MSVOA_D
ClientSampled :

Tot Ion:119 Resp: 1122172
Ion Ratio Lower Upper
119 100
91 69.4 32.9 98.6
134 23.6 12.0 36.0

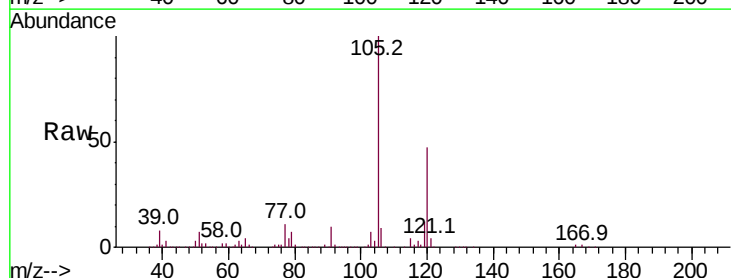


Abundance Ion 119.05 (118.75 to 119.75): V
Ion 91.00 (90.70 to 91.70): V
Ion 134.00 (133.70 to 134.70): V

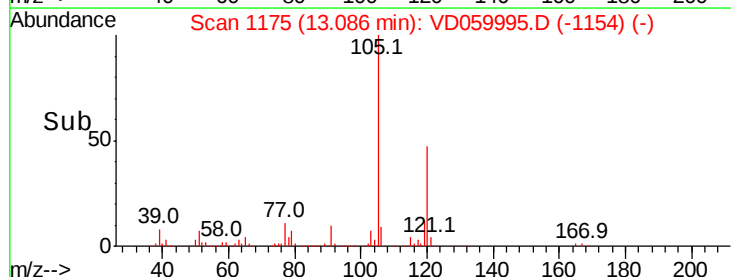
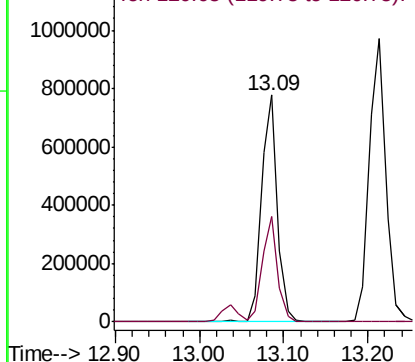


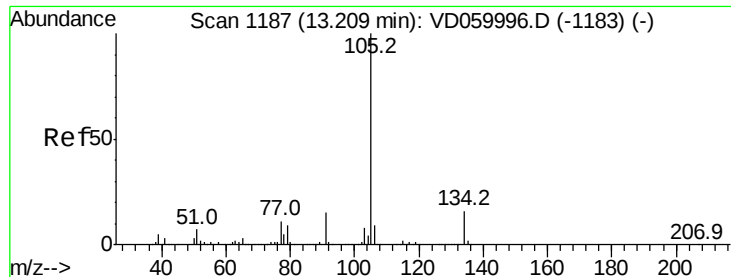
#84
1,2,4-Trimethylbenzene
Concen: 21.440 ug/l
RT: 13.09 min Scan# 1175
Delta R.T. 0.00 min
Lab File: VD059995.D
Acq: 13 Sep 2018 13:13

Tgt Ion:105 Resp: 1039666
Ion Ratio Lower Upper
105 100
120 46.7 22.4 67.0



Abundance Ion 105.05 (104.75 to 105.75): V
Ion 120.05 (119.75 to 120.75): V

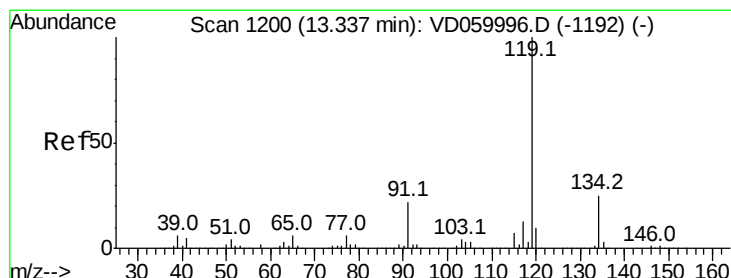
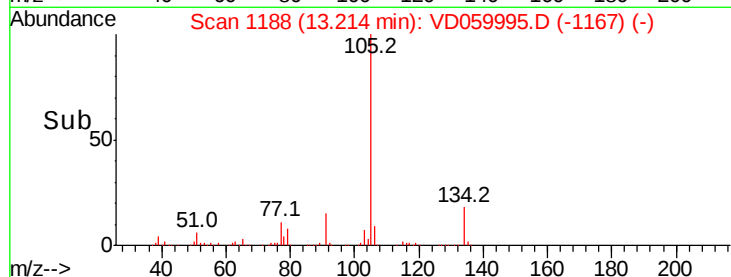
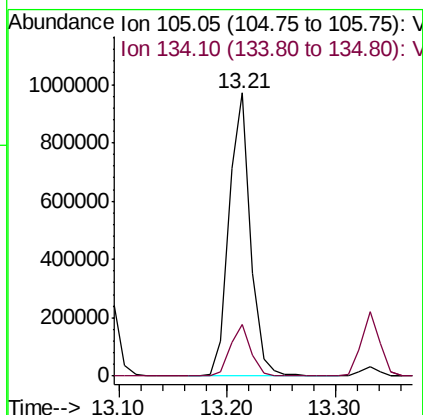
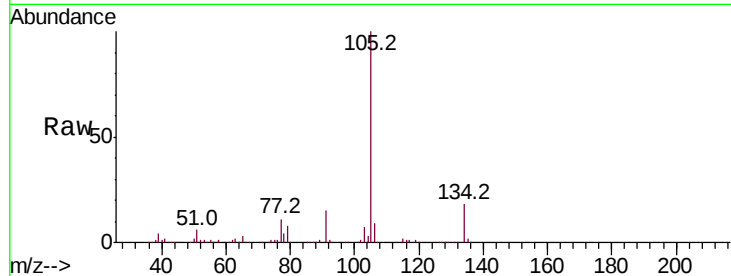




#85
 sec-Butylbenzene
 Concen: 21.309 ug/l
 RT: 13.21 min Scan# 1188
 Delta R.T. 0.00 min
 Lab File: VD059995.D
 Acq: 13 Sep 2018 13:13

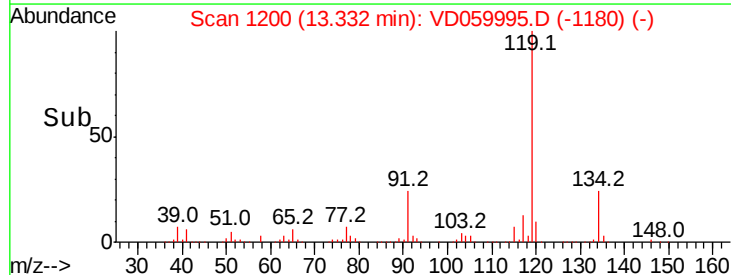
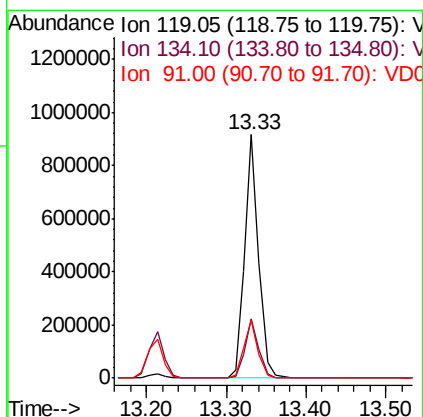
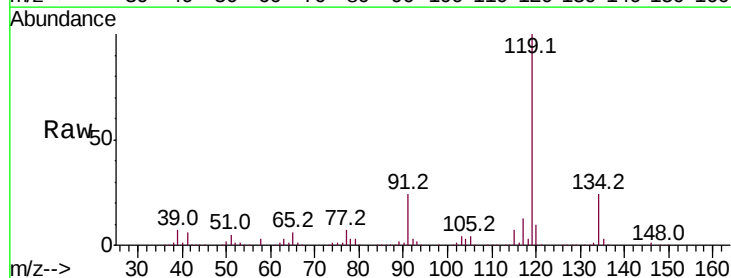
Instrument :
 MSVOA_D
 ClientSampled :

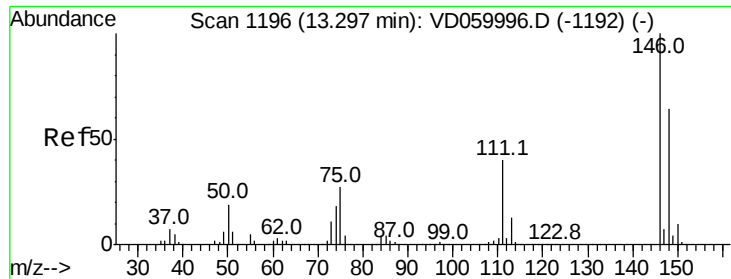
Tot Ion:105 Resp: 1326021
 Ion Ratio Lower Upper
 105 100
 134 18.1 8.2 24.6



#86
 p-Isopropyltoluene
 Concen: 21.453 ug/l
 RT: 13.33 min Scan# 1200
 Delta R.T. -0.00 min
 Lab File: VD059995.D
 Acq: 13 Sep 2018 13:13

Tgt Ion:119 Resp: 1096020
 Ion Ratio Lower Upper
 119 100
 134 24.3 12.8 38.3
 91 23.8 11.1 33.3

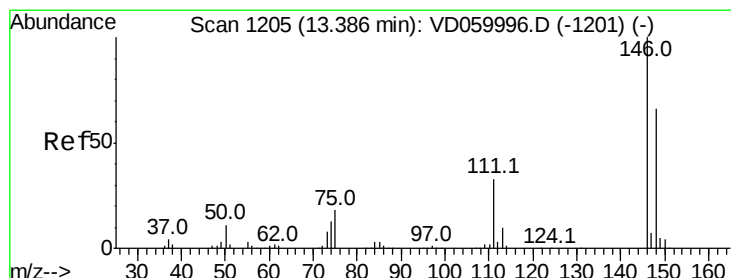
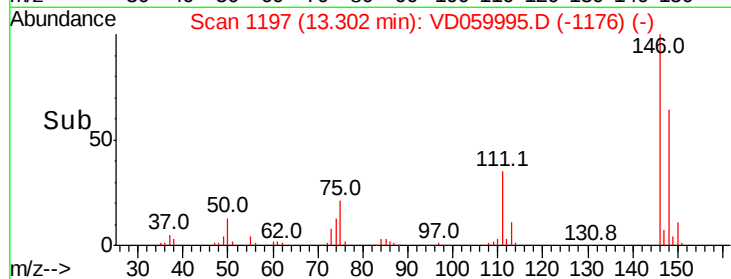
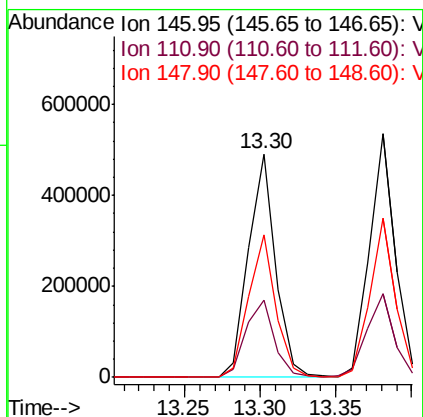
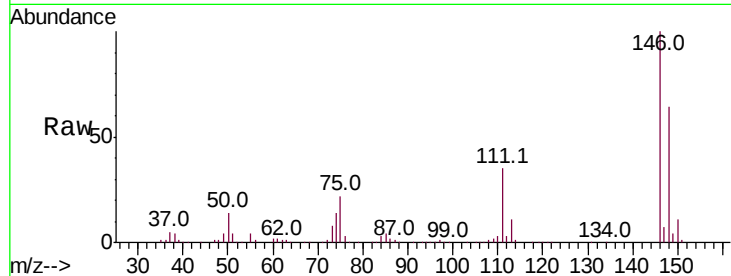




#87
 1,3-Dichlorobenzene
 Concen: 21.160 ug/l
 RT: 13.30 min Scan# 1197
 Delta R.T. 0.00 min
 Lab File: VD059995.D
 Acq: 13 Sep 2018 13:13

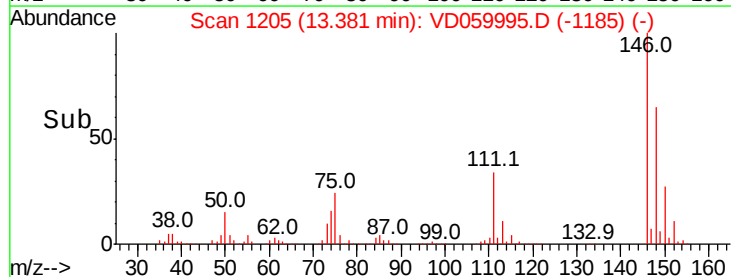
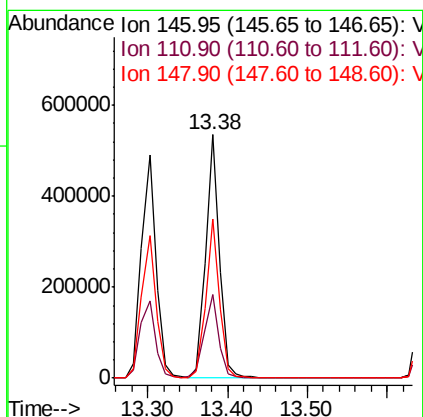
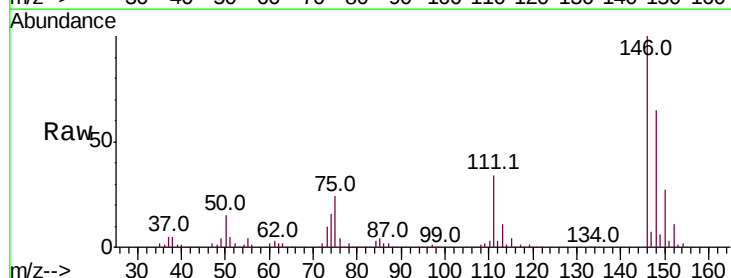
Instrument :
 MSVOA_D
 ClientSampleId :

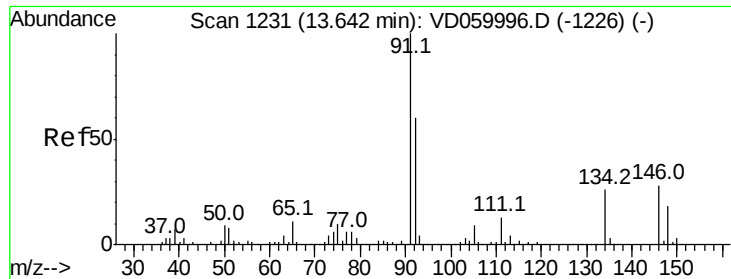
Tot Ion:146 Resp: 616990
 Ion Ratio Lower Upper
 146 100
 111 34.6 20.2 60.5
 148 64.1 32.0 96.2



#88
 1,4-Dichlorobenzene
 Concen: 22.124 ug/l
 RT: 13.38 min Scan# 1205
 Delta R.T. -0.00 min
 Lab File: VD059995.D
 Acq: 13 Sep 2018 13:13

Tgt Ion:146 Resp: 645991
 Ion Ratio Lower Upper
 146 100
 111 34.4 16.7 50.0
 148 65.2 32.9 98.6





#89

n-Butylbenzene

Concen: 21.665 ug/l

RT: 13.64 min Scan# 1231

Delta R.T. -0.00 min

Lab File: VD059995.D

Acq: 13 Sep 2018 13:13

Instrument :

MSVOA_D

ClientSampleId :

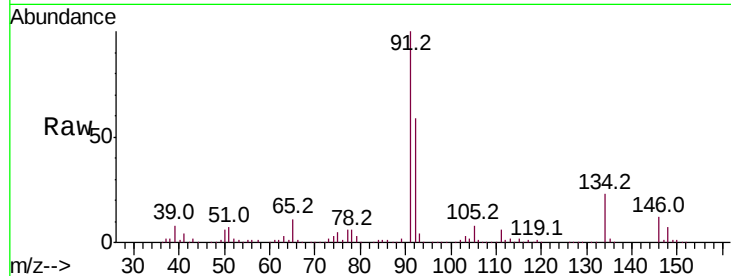
Tot Ion: 91 Resp: 1105692

Ion Ratio Lower Upper

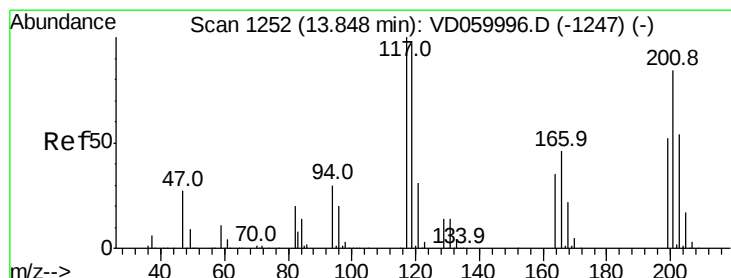
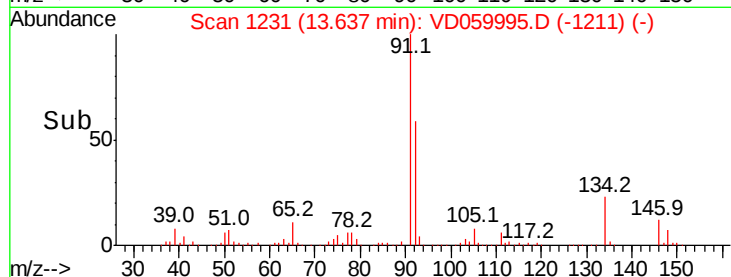
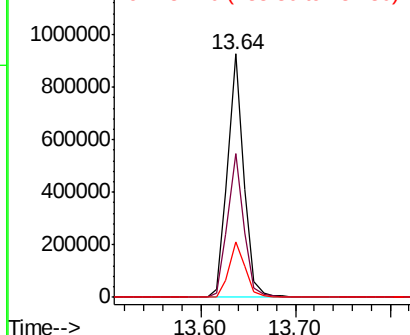
91 100

92 58.9 29.8 89.3

134 22.7 13.2 39.6



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



#90

Hexachloroethane

Concen: 18.750 ug/l

RT: 13.84 min Scan# 1252

Delta R.T. -0.00 min

Lab File: VD059995.D

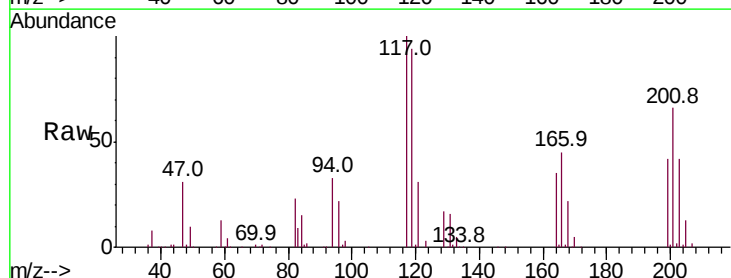
Acq: 13 Sep 2018 13:13

Tgt Ion: 117 Resp: 253727

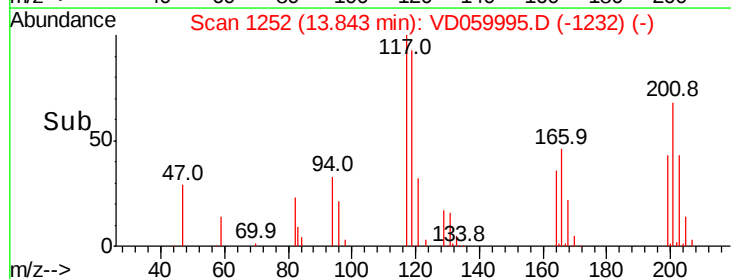
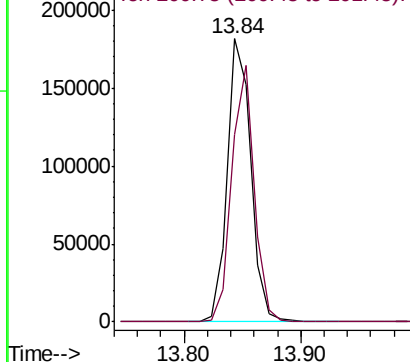
Ion Ratio Lower Upper

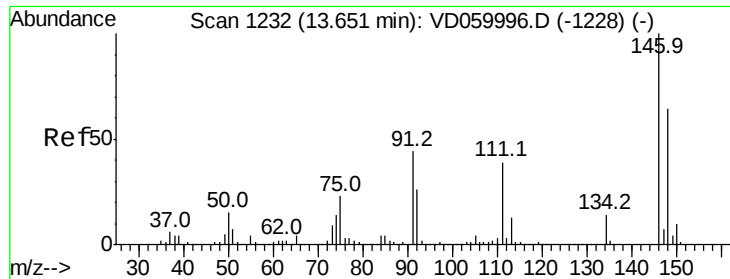
117 100

201 66.4 42.1 126.4



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

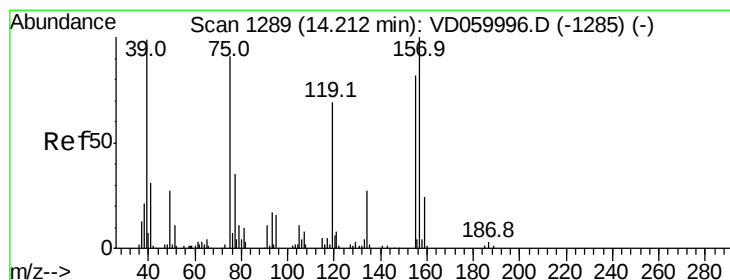
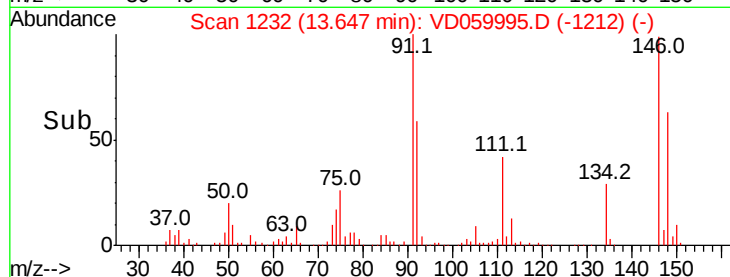
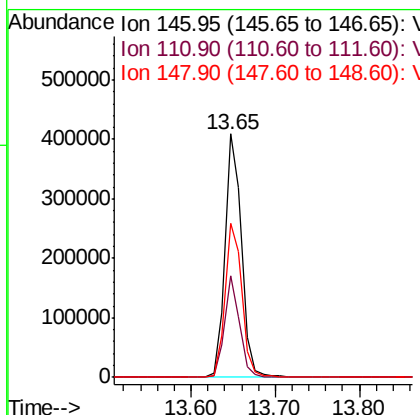
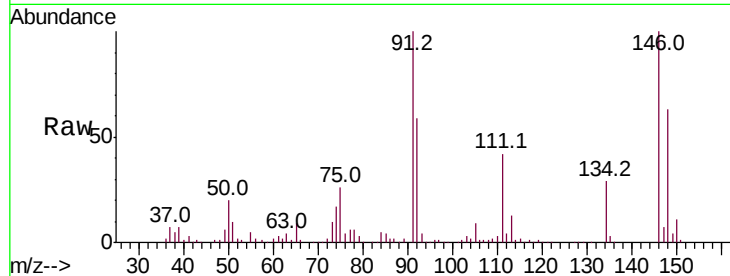




#91
 1,2-Dichlorobenzene
 Concen: 22.659 ug/l
 RT: 13.65 min Scan# 1232
 Delta R.T. -0.00 min
 Lab File: VD059995.D
 Acq: 13 Sep 2018 13:13

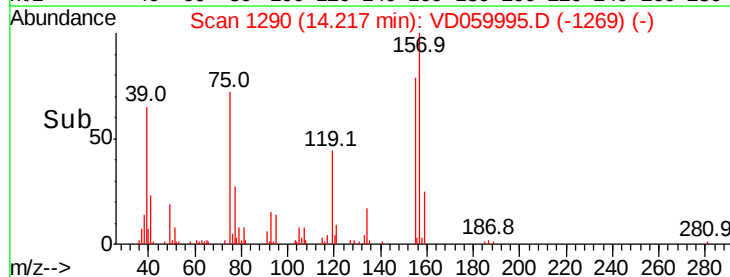
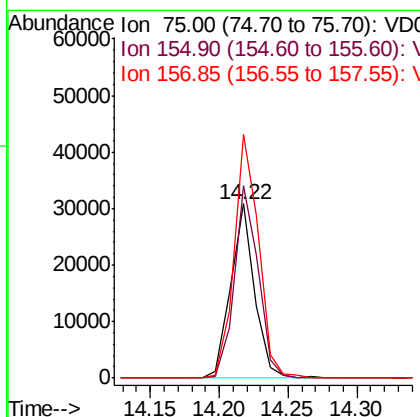
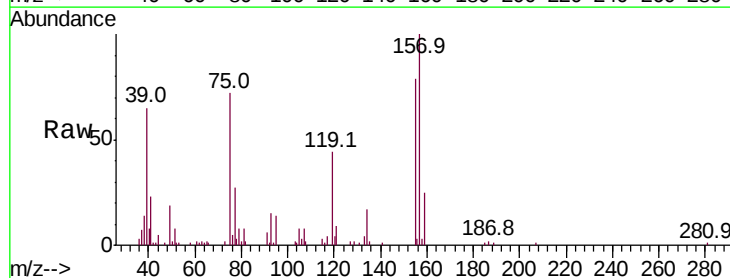
Instrument :
 MSVOA_D
 ClientSampleId :

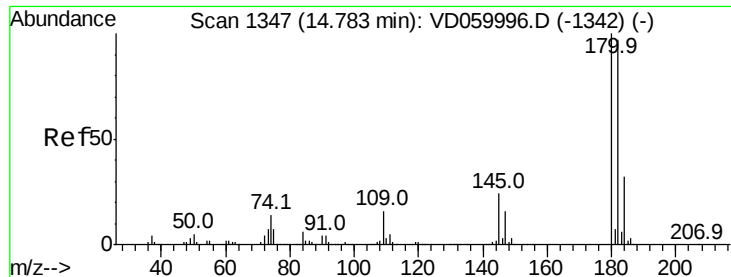
Tot Ion:146 Resp: 556862
 Ion Ratio Lower Upper
 146 100
 111 41.8 19.6 58.7
 148 63.5 31.9 95.7



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 18.202 ug/l
 RT: 14.22 min Scan# 1290
 Delta R.T. 0.00 min
 Lab File: VD059995.D
 Acq: 13 Sep 2018 13:13

Tgt Ion: 75 Resp: 36916
 Ion Ratio Lower Upper
 75 100
 155 110.1 44.7 134.1
 157 139.6 54.7 164.1

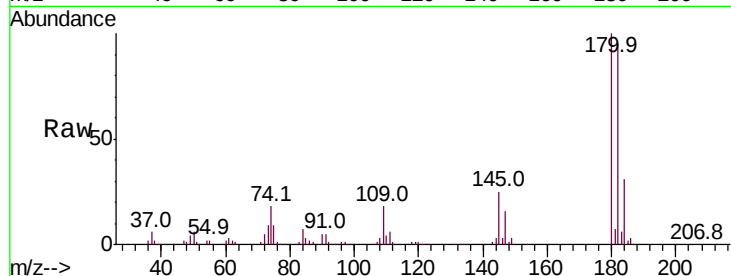




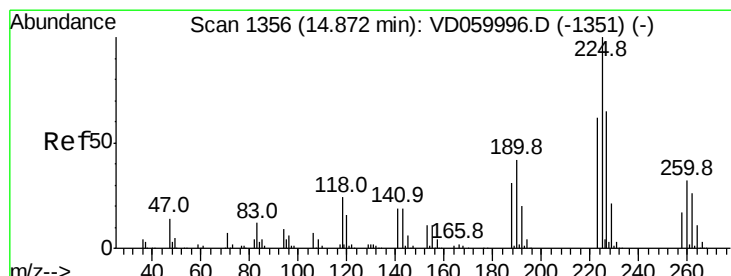
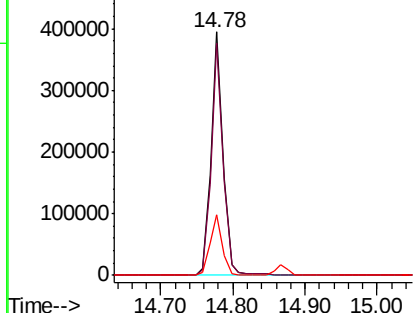
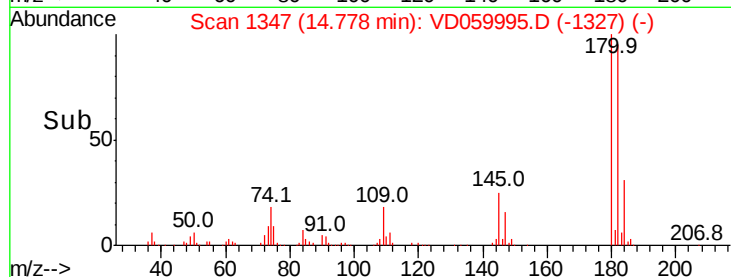
#93
 1,2,4-Trichlorobenzene
 Concen: 21.385 ug/l
 RT: 14.78 min Scan# 1347
 Delta R.T. -0.00 min
 Lab File: VD059995.D
 Acq: 13 Sep 2018 13:13

Instrument :
 MSVOA_D
 ClientSampleId :

Tot Ion:180 Resp: 452001
 Ion Ratio Lower Upper
 180 100
 182 95.1 48.5 145.6
 145 24.9 11.9 35.7

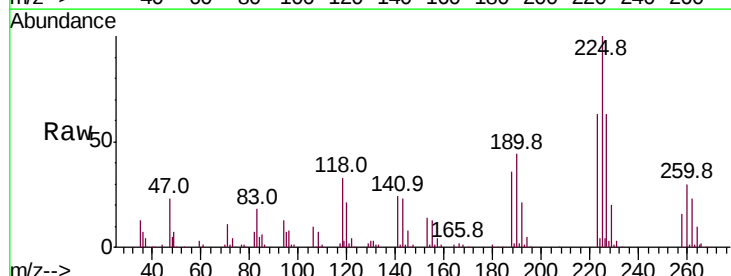


Abundance Ion 179.85 (179.55 to 180.55): V
 Ion 181.85 (181.55 to 182.55): V
 Ion 144.95 (144.65 to 145.65): V

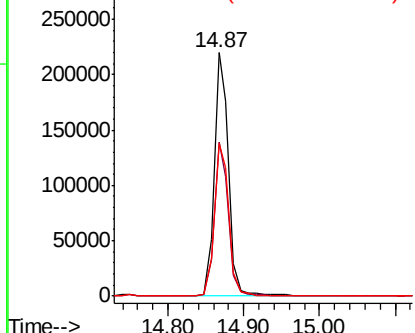
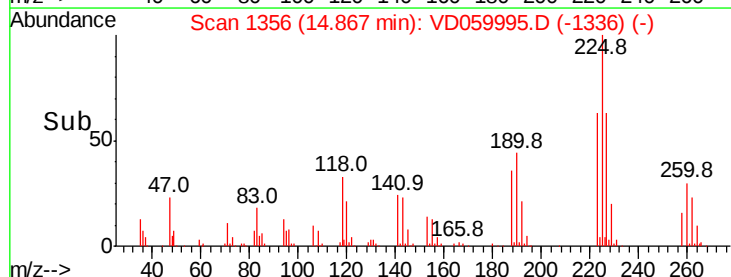


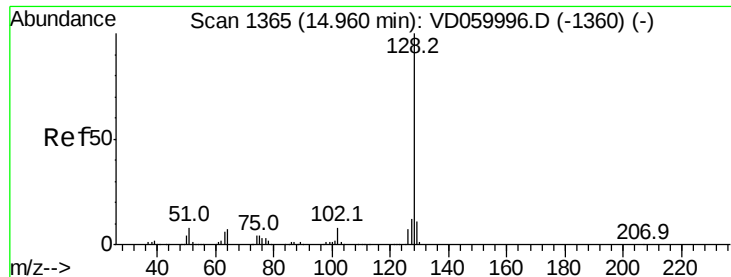
#94
 Hexachlorobutadiene
 Concen: 21.115 ug/l
 RT: 14.87 min Scan# 1356
 Delta R.T. -0.00 min
 Lab File: VD059995.D
 Acq: 13 Sep 2018 13:13

Tgt Ion:225 Resp: 293477
 Ion Ratio Lower Upper
 225 100
 223 63.4 31.2 93.6
 227 62.9 32.3 96.8



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





#95

Naphthalene

Concen: 20.412 ug/l

RT: 14.96 min Scan# 1365

Delta R.T. -0.00 min

Lab File: VD059995.D

Acq: 13 Sep 2018 13:13

Instrument :

MSVOA_D

ClientSampleId :

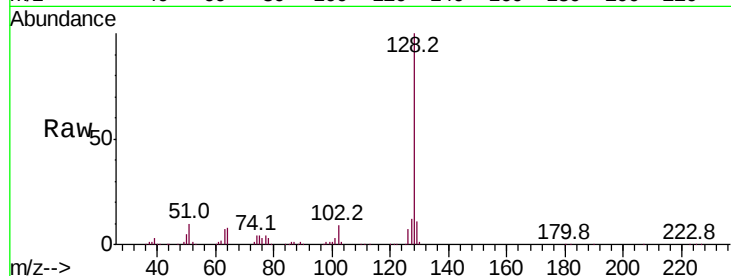
Tot Ion:128 Resp: 656390

Ion Ratio Lower Upper

128 100

127 12.4 9.7 14.5

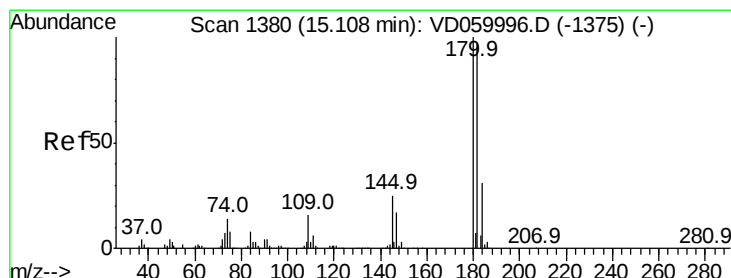
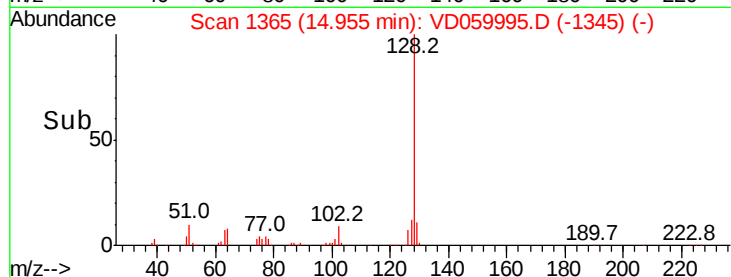
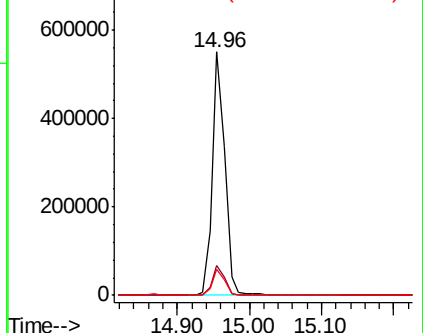
129 10.8 8.9 13.3



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 21.914 ug/l

RT: 15.10 min Scan# 1380

Delta R.T. -0.00 min

Lab File: VD059995.D

Acq: 13 Sep 2018 13:13

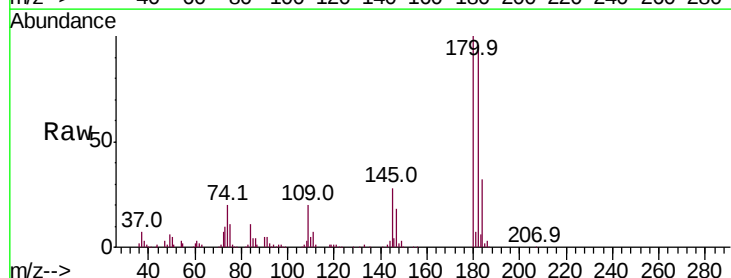
Tgt Ion:180 Resp: 397190

Ion Ratio Lower Upper

180 100

182 96.4 48.6 145.9

145 28.3 12.7 38.1



Abundance Ion 179.85 (179.55 to 180.55): V

Ion 181.85 (181.55 to 182.55): V

Ion 144.95 (144.65 to 145.65): V

