

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_D\DATA\VD091718\
 Data File : VD060022.D
 Acq On : 17 Sep 2018 15:37
 Operator : JC/SY
 Sample : J4773-01RE
 Misc : 6.58g/5ml/MSVOA_D/SOIL
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 CL-01-091418-ARE

Quant Time: Sep 18 04:40:03 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D091318S.M
 Quant Title : SW846 8260
 QLast Update : Thu Sep 13 16:17:40 2018
 Response via : Initial Calibration

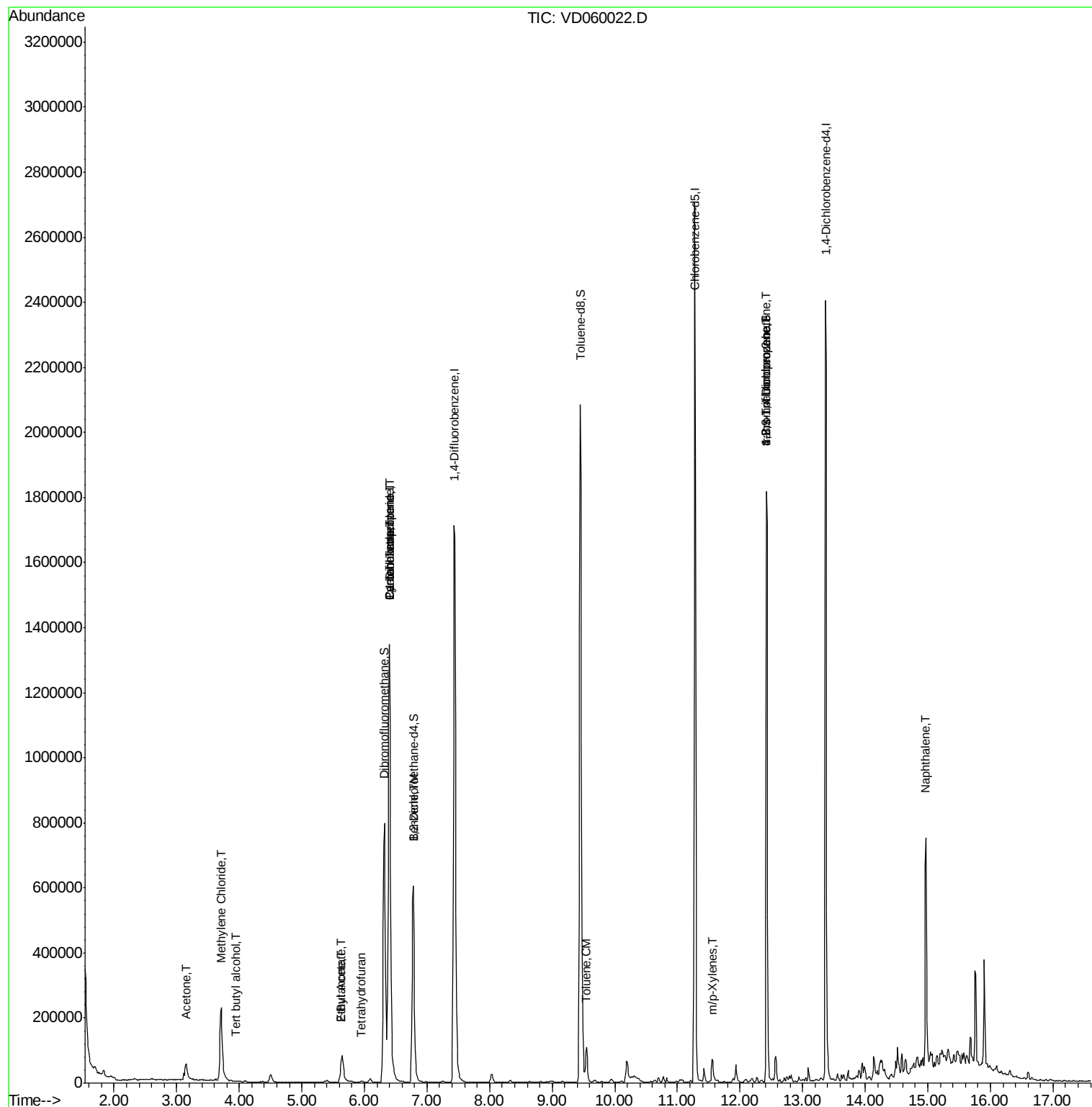
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	6.40	168	1300391	50.00	ug/l	0.02
34) 1,4-Difluorobenzene	7.44	114	1835556	50.00	ug/l	0.02
63) Chlorobenzene-d5	11.28	117	1409740	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.38	152	605482	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.78	65	462727	45.63	ug/l	0.02
Spiked Amount	50.000		Recovery	=	91.26%	
35) Dibromofluoromethane	6.32	113	617772	43.08	ug/l	0.02
Spiked Amount	50.000		Recovery	=	86.16%	
50) Toluene-d8	9.45	98	1669234	42.00	ug/l	0.00
Spiked Amount	50.000		Recovery	=	84.00%	
62) 4-Bromofluorobenzene	12.42	95	568711	37.46	ug/l	0.00
Spiked Amount	50.000		Recovery	=	74.92%	
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	3.95	59	3998	4.886	ug/l #	74
16) Acetone	3.15	43	100478	51.319	ug/l	99
20) Methylene Chloride	3.71	84	141971	3.485	ug/l	98
25) 2-Butanone	5.61	43	31962	6.050	ug/l	99
29) Tetrahydrofuran	5.96	42	3136	1.107	ug/l #	47
31) Cyclohexane	6.40	56	32615	1.448	ug/l #	1
36) 1,1-Dichloropropene	6.40	75	87866	4.819	ug/l #	46
37) Ethyl Acetate	5.61	43	31962	2.549	ug/l #	77
38) Carbon Tetrachloride	6.40	117	99374	5.838	ug/l #	16
40) Benzene	6.78	78	52238	1.124	ug/l	95
51) 4-Methyl-2-Pentanone	9.34	43	1834	Below Cal		93
52) Toluene	9.55	92	53193	1.786	ug/l	99
59) 2-Hexanone	10.48	43	1759	Below Cal		71
68) m/p-Xylenes	11.55	106	22677	1.259	ug/l	89
76) 1,2,3-Trichloropropane	12.42	75	192402	20.806	ug/l #	44
81) trans-1,4-Dichloro-2-buten	12.42	75	229176	82.099	ug/l #	15
89) n-Butylbenzene	13.64	91	3969	Below Cal	#	89
91) 1,2-Dichlorobenzene	13.66	146	535	Below Cal	#	55
95) Naphthalene	14.97	128	452946	20.690	ug/l	99

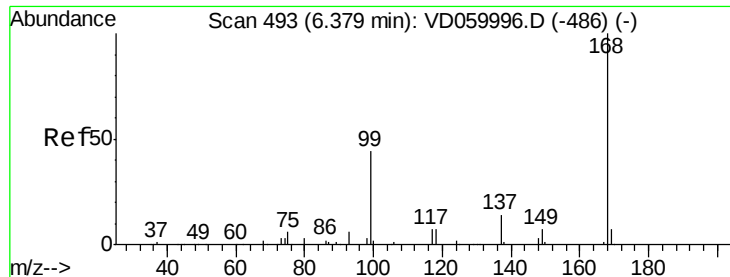
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Thu Sep 13 16:17:40 2018
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 6.40 min Scan# 495

Delta R.T. 0.02 min

Lab File: VD060022.D

Acq: 17 Sep 2018 15:37

Instrument :

MSVOA_D

ClientSampleId :

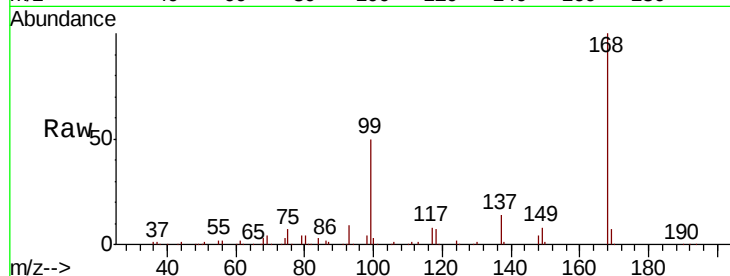
CL-01-091418-ARE

Tgt Ion:168 Resp: 1300391

Ion Ratio Lower Upper

168 100

99 49.7 38.5 57.7



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC

6.40

500000

400000

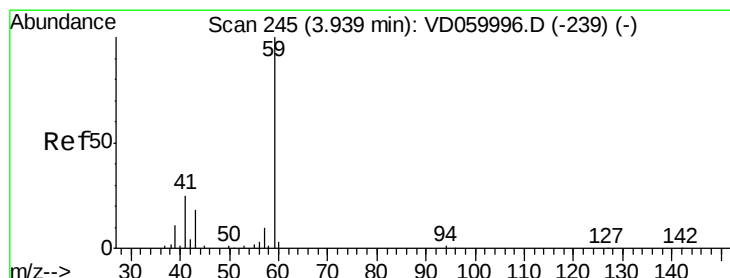
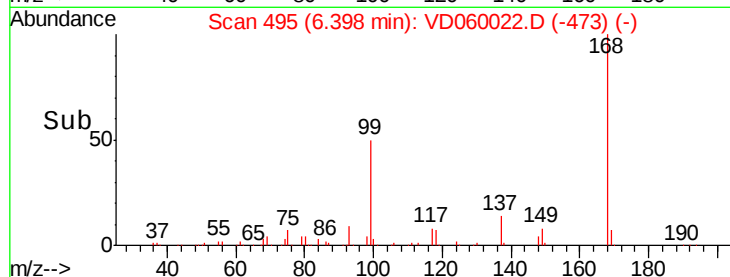
300000

200000

100000

0

Time-->



#11

Tert butyl alcohol

Concen: 4.886 ug/l

RT: 3.95 min Scan# 246

Delta R.T. 0.01 min

Lab File: VD060022.D

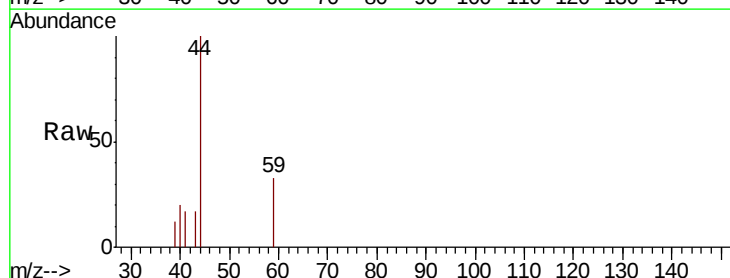
Acq: 17 Sep 2018 15:37

Tgt Ion: 59 Resp: 3998

Ion Ratio Lower Upper

59 100

57 0.0 7.4 11.2#



Abundance Ion 58.95 (58.65 to 59.65): VDC

Ion 56.95 (56.65 to 57.65): VDC

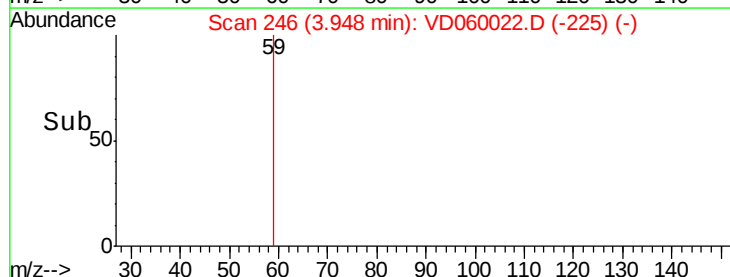
3.95

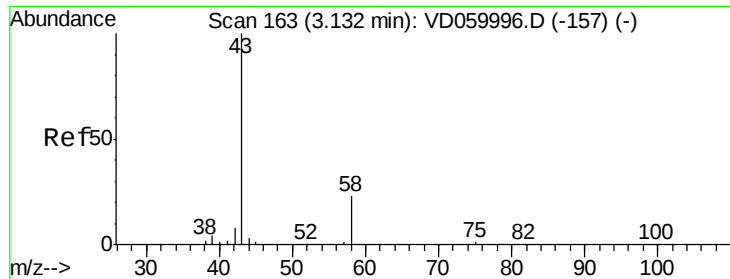
1000

500

0

Time-->





#16

Acetone

Concen: 51.319 ug/l

RT: 3.15 min Scan# 165

Delta R.T. 0.02 min

Lab File: VD060022.D

Acq: 17 Sep 2018 15:37

Instrument :

MSVOA_D

ClientSampleId :

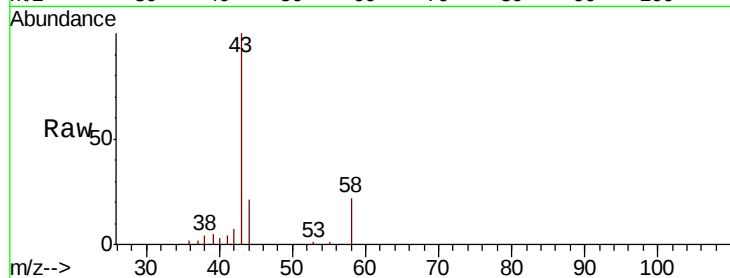
CL-01-091418-ARE

Tgt Ion: 43 Resp: 100478

Ion Ratio Lower Upper

43 100

58 22.3 18.1 27.1



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC

3.15

40000

30000

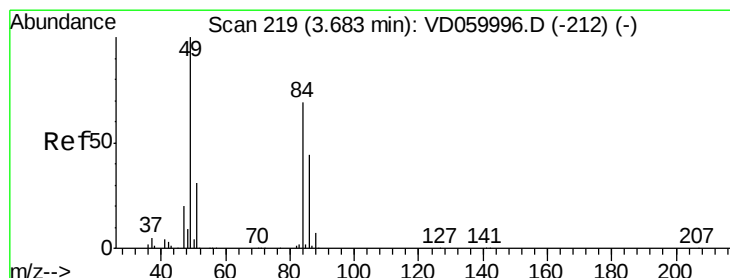
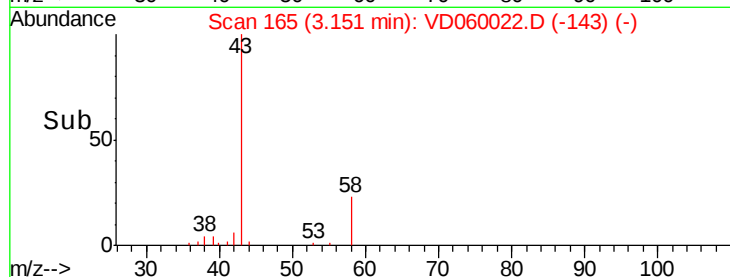
20000

10000

0

Time-->

3.00 3.10 3.20 3.30



#20

Methylene Chloride

Concen: 3.485 ug/l

RT: 3.71 min Scan# 222

Delta R.T. 0.03 min

Lab File: VD060022.D

Acq: 17 Sep 2018 15:37

Tgt Ion: 84 Resp: 141971

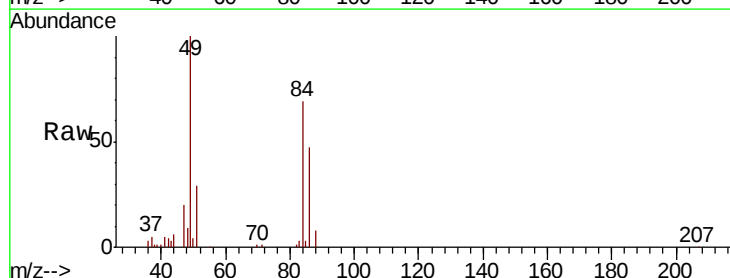
Ion Ratio Lower Upper

84 100

49 145.4 116.6 175.0

51 41.7 35.9 53.9

86 68.4 51.8 77.6



Abundance Ion 83.95 (83.65 to 84.65): VDC

Ion 48.90 (48.60 to 49.60): VDC

Ion 50.90 (50.60 to 51.60): VDC

Ion 85.90 (85.60 to 86.60): VDC

100000

80000

60000

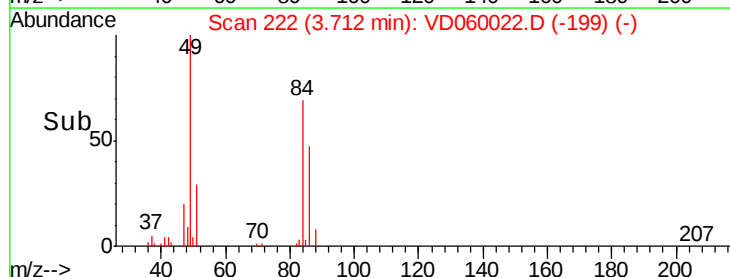
40000

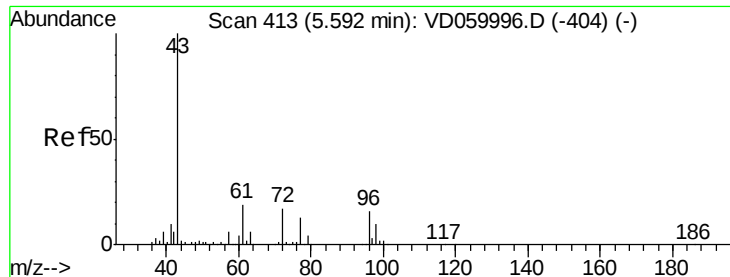
20000

0

Time-->

3.60 3.70 3.80 3.90





#25

2-Butanone

Concen: 6.050 ug/l

RT: 5.61 min Scan# 415

Delta R.T. 0.02 min

Lab File: VD060022.D

Acq: 17 Sep 2018 15:37

Instrument :

MSVOA_D

ClientSampleId :

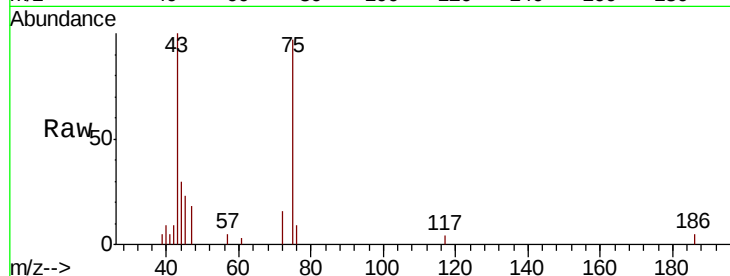
CL-01-091418-ARE

Tgt Ion: 43 Resp: 31962

Ion Ratio Lower Upper

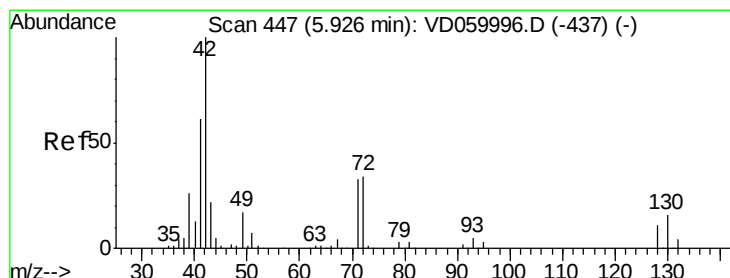
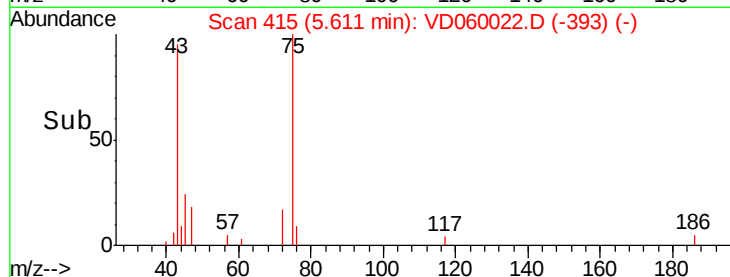
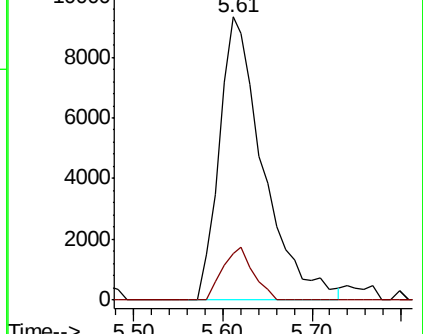
43 100

72 16.4 13.6 20.4



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 72.00 (71.70 to 72.70): VDC



#29

Tetrahydrofuran

Concen: 1.107 ug/l

RT: 5.96 min Scan# 450

Delta R.T. 0.03 min

Lab File: VD060022.D

Acq: 17 Sep 2018 15:37

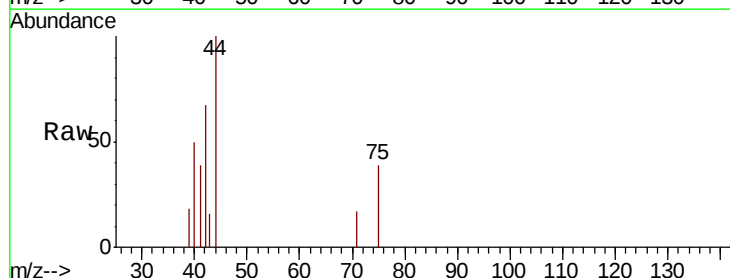
Tgt Ion: 42 Resp: 3136

Ion Ratio Lower Upper

42 100

72 0.0 26.9 40.3#

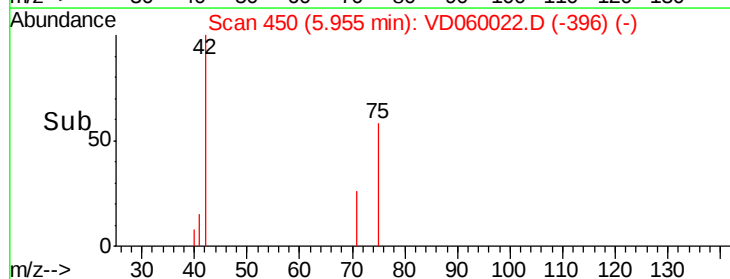
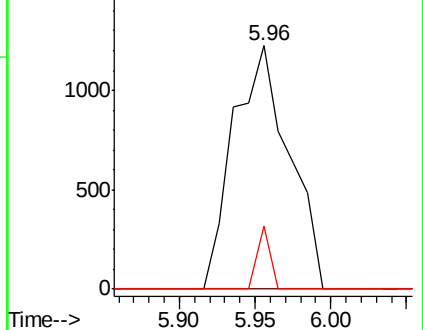
71 6.0 26.2 39.4#

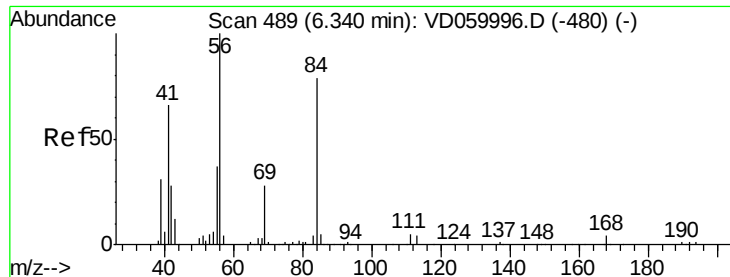


Abundance Ion 42.00 (41.70 to 42.70): VDC

Ion 72.00 (71.70 to 72.70): VDC

Ion 71.00 (70.70 to 71.70): VDC

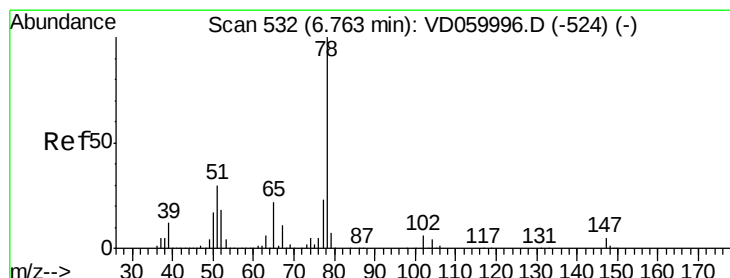
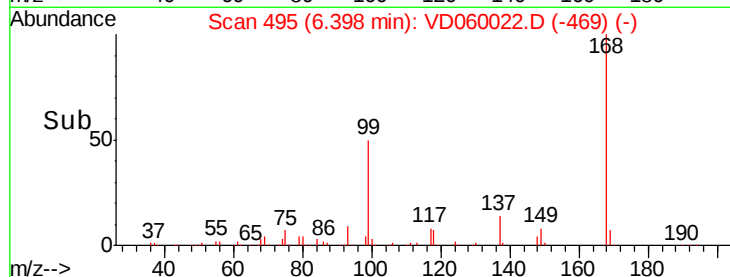
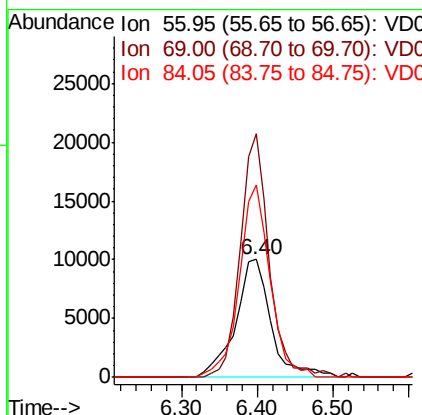
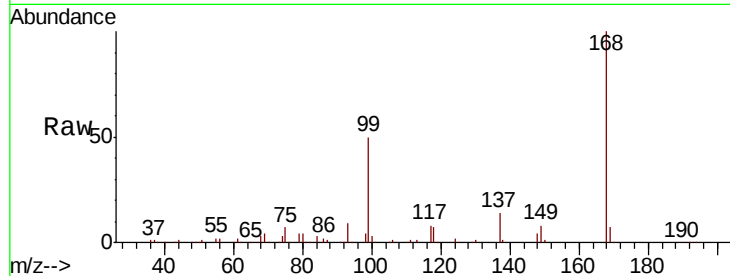




#31
Cyclohexane
Concen: 1.448 ug/l
RT: 6.40 min Scan# 495
Delta R.T. 0.06 min
Lab File: VD060022.D
Acq: 17 Sep 2018 15:37

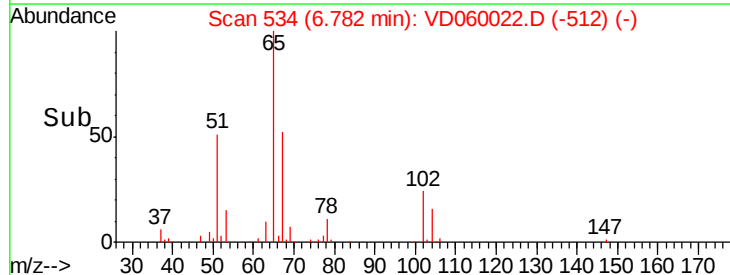
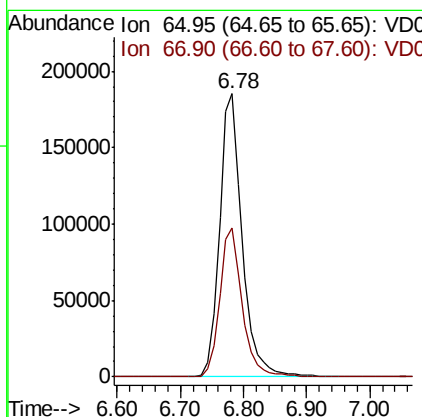
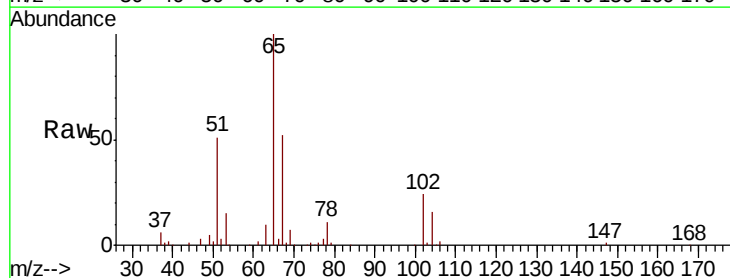
Instrument :
MSVOA_D
ClientSampleId :
CL-01-091418-ARE

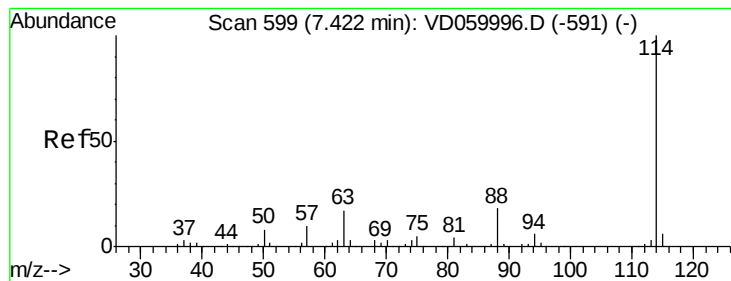
Tgt Ion: 56 Resp: 32615
Ion Ratio Lower Upper
56 100
69 206.5 22.7 34.1#
84 163.2 64.0 96.0#



#33
1,2-Dichloroethane-d4
Concen: N.D. ug/l
RT: 6.78 min Scan# 534
Delta R.T. 0.02 min
Lab File: VD060022.D
Acq: 17 Sep 2018 15:37

Tgt Ion: 65 Resp: 462727
Ion Ratio Lower Upper
65 100
67 52.5 0.0 104.8





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 7.44 min Scan# 601

Delta R.T. 0.02 min

Lab File: VD060022.D

Acq: 17 Sep 2018 15:37

Instrument :

MSVOA_D

ClientSampleId :

CL-01-091418-ARE

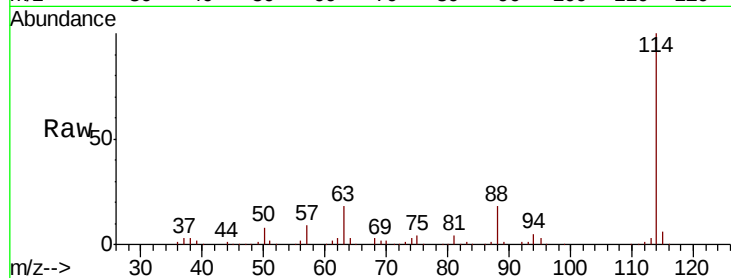
Tgt Ion:114 Resp: 1835556

Ion Ratio Lower Upper

114 100

63 17.7 0.0 34.4

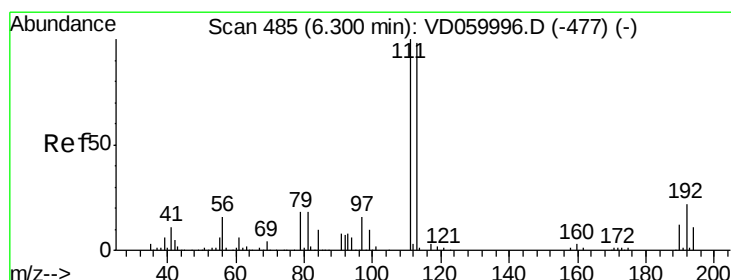
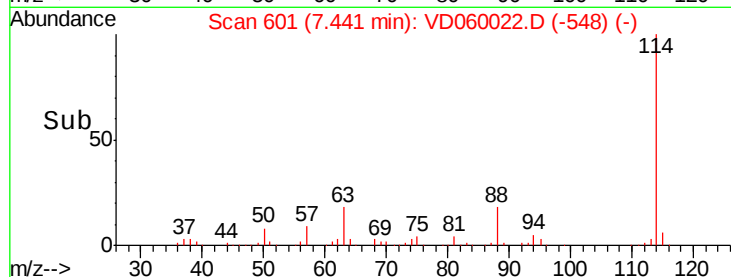
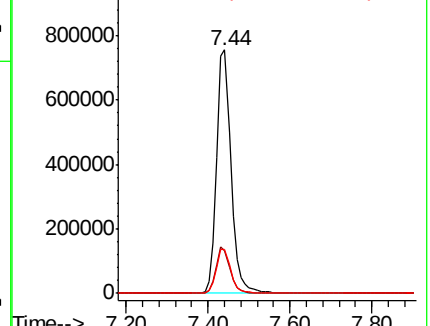
88 18.3 0.0 35.8



Abundance Ion 114.00 (113.70 to 114.70): V

Ion 62.95 (62.65 to 63.65): V

Ion 87.90 (87.60 to 88.60): V



#35

Dibromofluoromethane

Concen: 50.000 ug/l

RT: 6.32 min Scan# 487

Delta R.T. 0.02 min

Lab File: VD060022.D

Acq: 17 Sep 2018 15:37

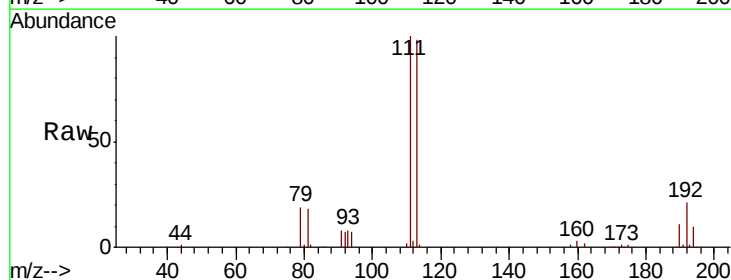
Tgt Ion:113 Resp: 617772

Ion Ratio Lower Upper

113 100

111 101.8 81.3 121.9

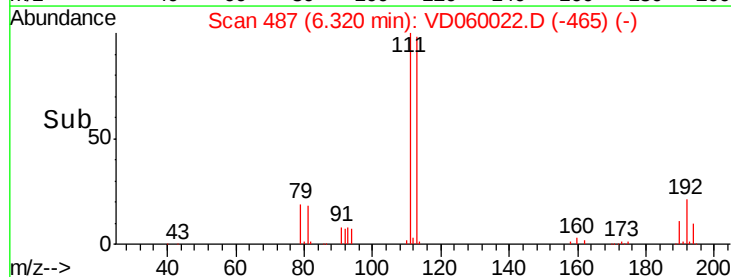
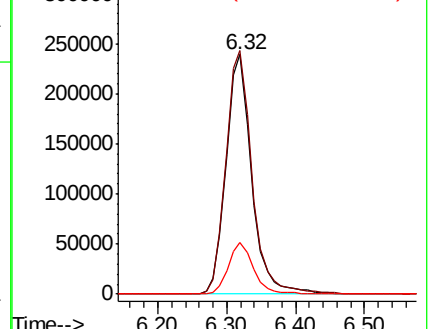
192 21.6 18.1 27.1

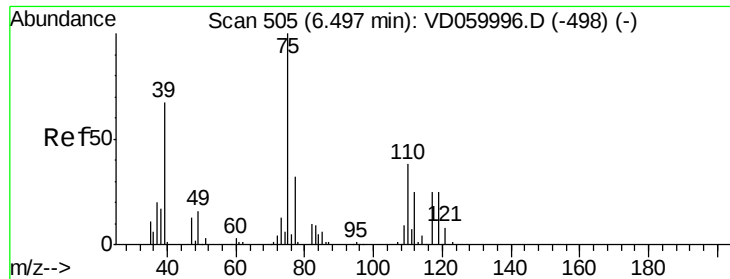


Abundance Ion 112.90 (112.60 to 113.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 191.80 (191.50 to 192.50): V

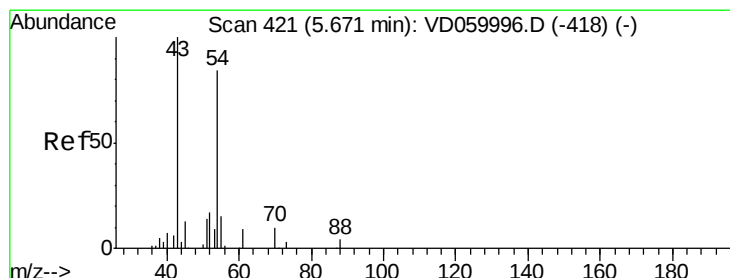
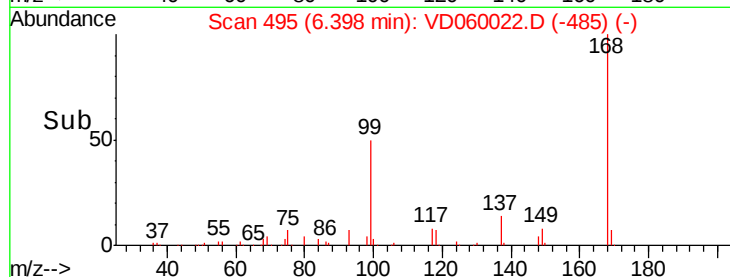
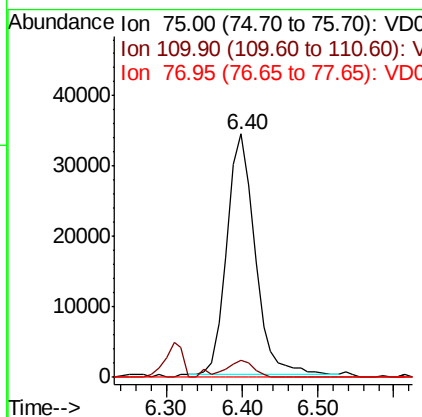
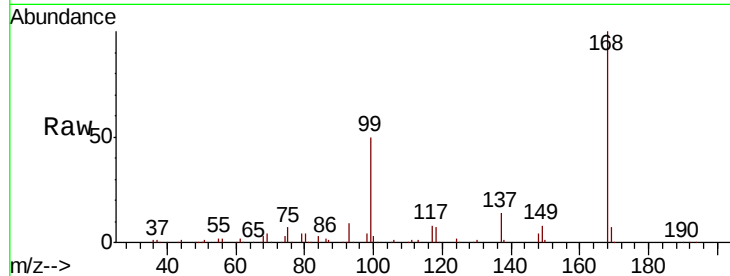




#36
 1,1-Dichloropropene
 Concen: 4.819 ug/l
 RT: 6.40 min Scan# 495
 Delta R.T. -0.10 min
 Lab File: VD060022.D
 Acq: 17 Sep 2018 15:37

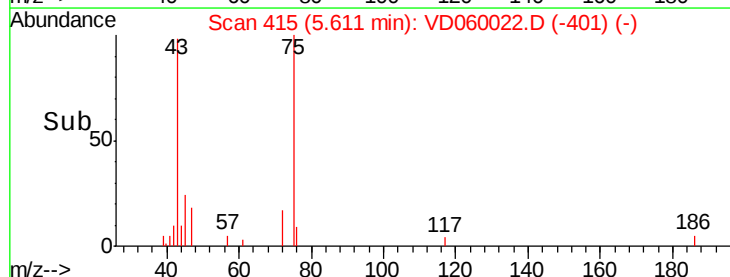
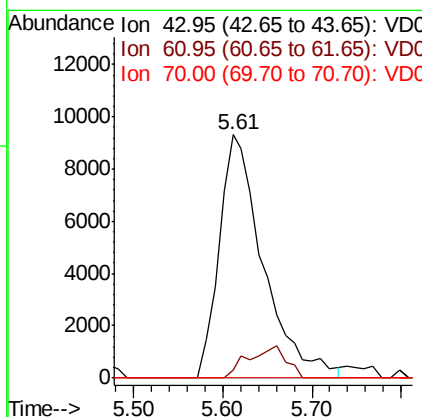
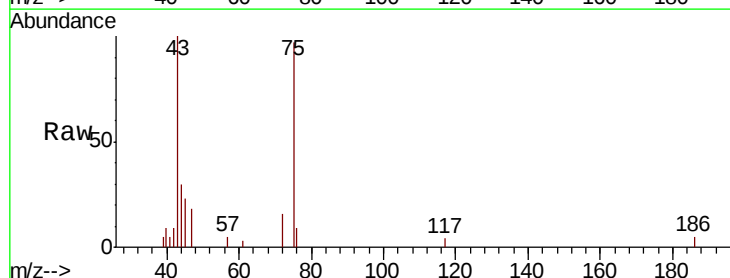
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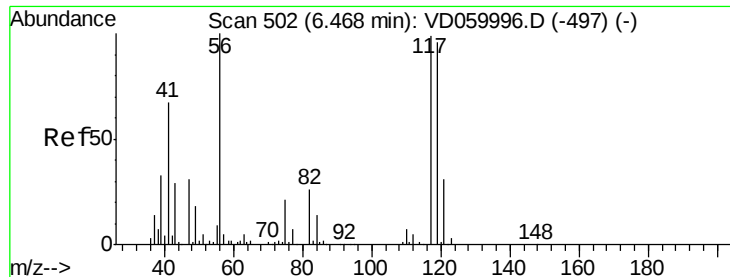
Tgt Ion	Ratio	Lower	Upper
75	100		
110	6.9	18.9	56.9#
77	0.0	25.3	37.9#



#37
 Ethyl Acetate
 Concen: 2.549 ug/l
 RT: 5.61 min Scan# 415
 Delta R.T. -0.06 min
 Lab File: VD060022.D
 Acq: 17 Sep 2018 15:37

Tgt Ion	Ratio	Lower	Upper
43	100		
61	3.3	10.2	15.2#
70	0.0	6.1	9.1#





#38

Carbon Tetrachloride

Concen: 5.838 ug/l

RT: 6.40 min Scan# 495

Delta R.T. -0.07 min

Lab File: VD060022.D

Acq: 17 Sep 2018 15:37

Instrument :

MSVOA_D

ClientSampleId :

CL-01-091418-ARE

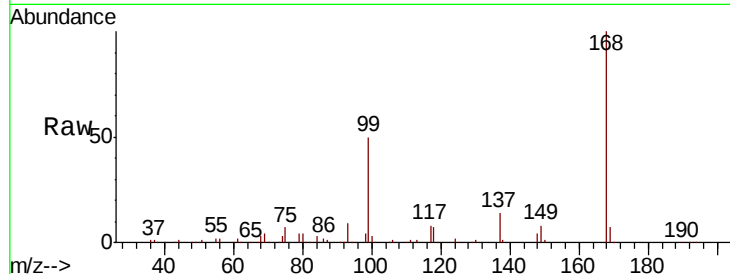
Tgt Ion:117 Resp: 99374

Ion Ratio Lower Upper

117 100

119 4.8 76.7 115.1#

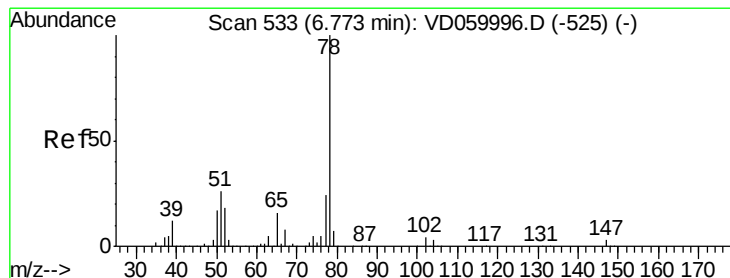
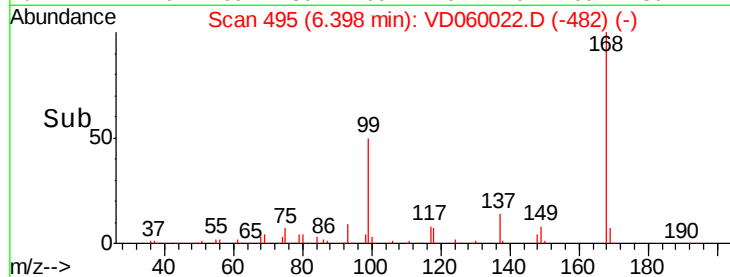
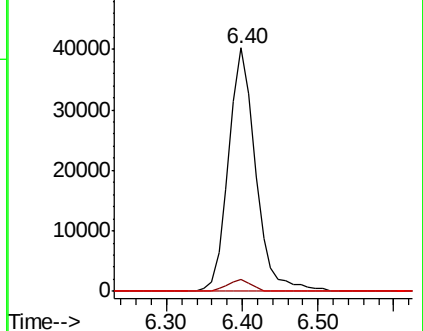
121 0.0 24.9 37.3#



Abundance Ion 116.85 (116.55 to 117.55): V

Ion 118.85 (118.55 to 119.55): V

Ion 120.85 (120.55 to 121.55): V



#40

Benzene

Concen: 1.124 ug/l

RT: 6.78 min Scan# 534

Delta R.T. 0.01 min

Lab File: VD060022.D

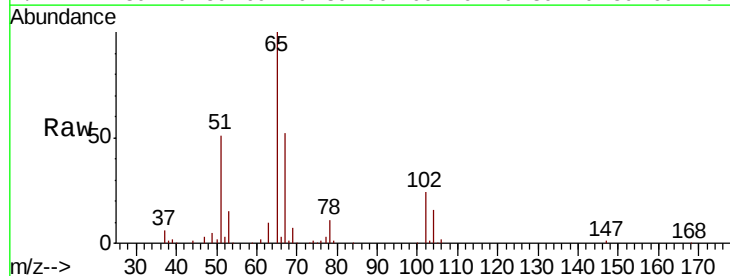
Acq: 17 Sep 2018 15:37

Tgt Ion: 78 Resp: 52238

Ion Ratio Lower Upper

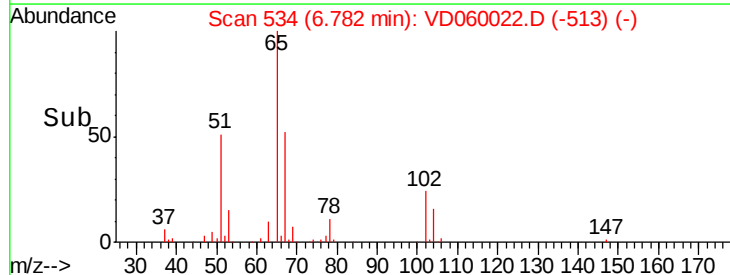
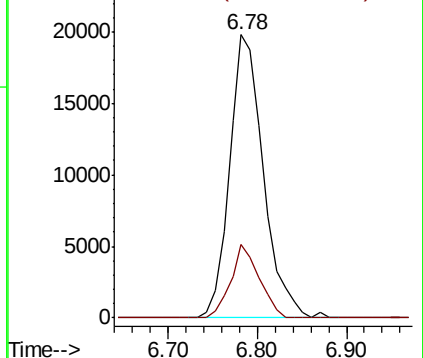
78 100

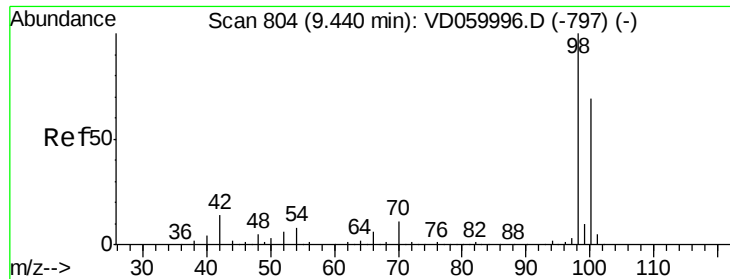
77 25.9 19.0 28.4



Abundance Ion 77.95 (77.65 to 78.65): V

Ion 76.95 (76.65 to 77.65): V





#50

Toluene-d8

Concen: N.D. ug/l

RT: 9.45 min Scan# 805

Delta R.T. 0.01 min

Lab File: VD060022.D

Acq: 17 Sep 2018 15:37

Instrument :

MSVOA_D

ClientSampleId :

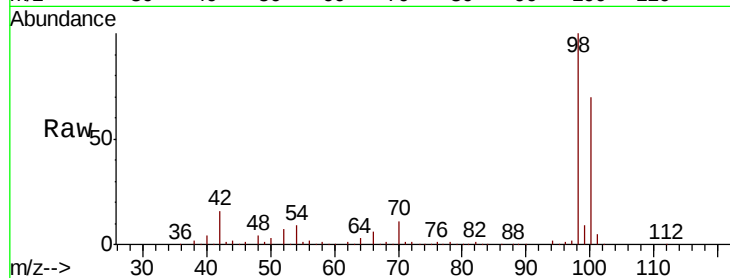
CL-01-091418-ARE

Tgt Ion: 98 Resp: 1669234

Ion Ratio Lower Upper

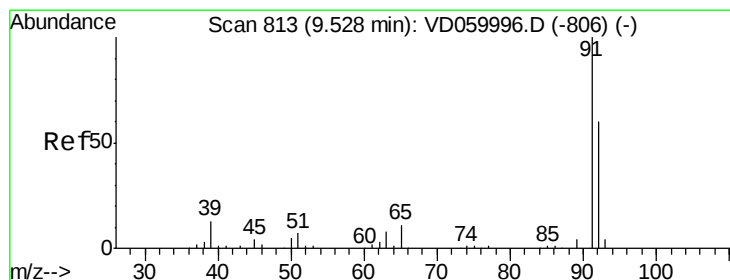
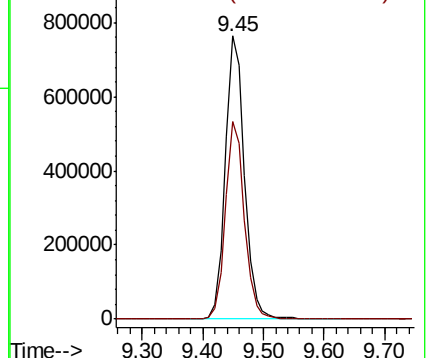
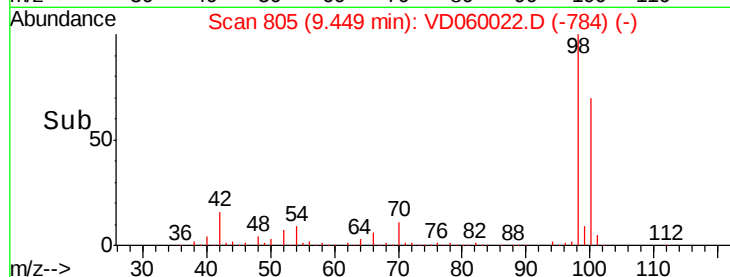
98 100

100 69.7 55.8 83.6



Abundance Ion 98.05 (97.75 to 98.75): VDC

Ion 100.05 (99.75 to 100.75): VDC



#52

Toluene

Concen: 1.786 ug/l

RT: 9.55 min Scan# 815

Delta R.T. 0.02 min

Lab File: VD060022.D

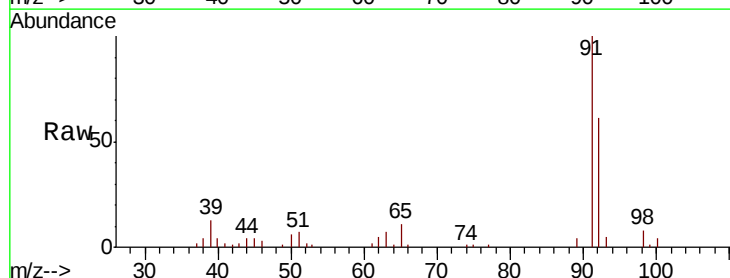
Acq: 17 Sep 2018 15:37

Tgt Ion: 92 Resp: 53193

Ion Ratio Lower Upper

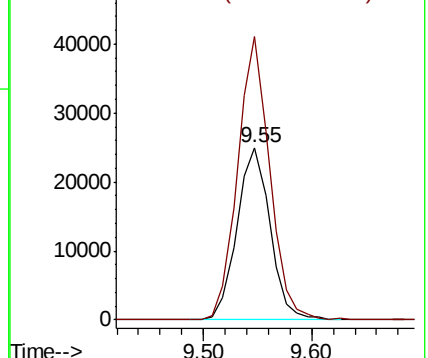
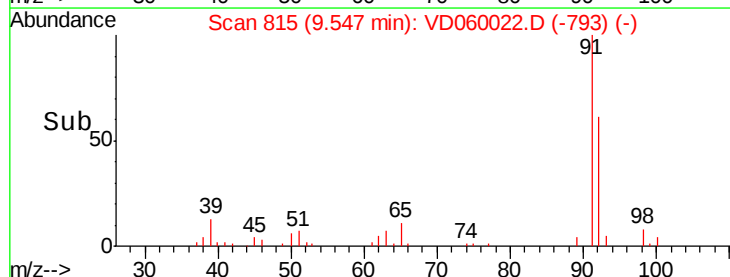
92 100

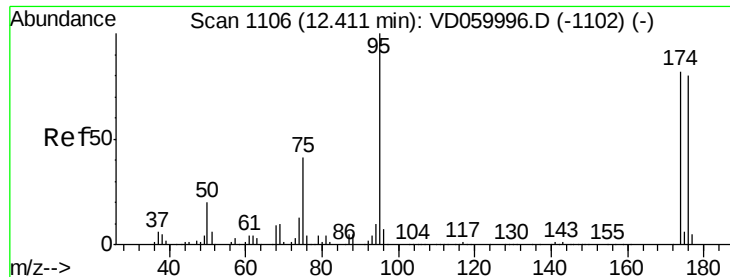
91 164.0 132.3 198.5



Abundance Ion 92.00 (91.70 to 92.70): VDC

Ion 91.00 (90.70 to 91.70): VDC





#62

4-Bromofluorobenzene

Concen: N.D. ug/l

RT: 12.42 min Scan# 1107

Delta R.T. 0.01 min

Lab File: VD060022.D

Acq: 17 Sep 2018 15:37

Instrument :

MSVOA_D

ClientSampleId :

CL-01-091418-ARE

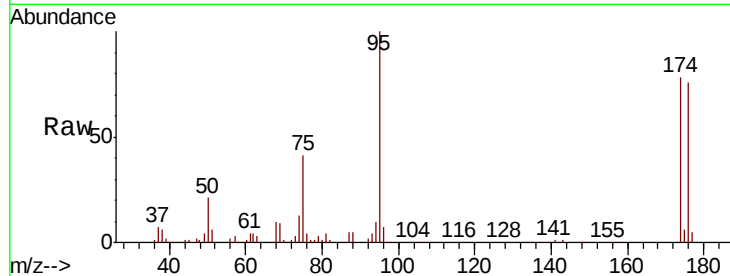
Tgt Ion: 95 Resp: 568711

Ion Ratio Lower Upper

95 100

174 78.0 0.0 165.0

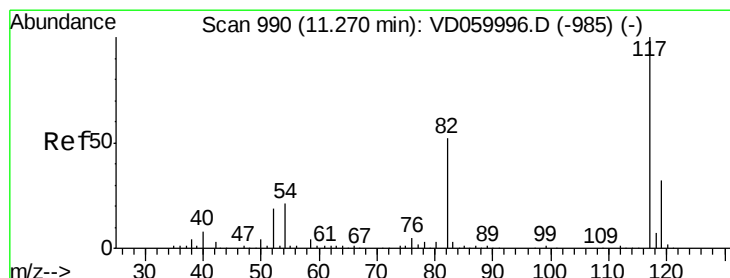
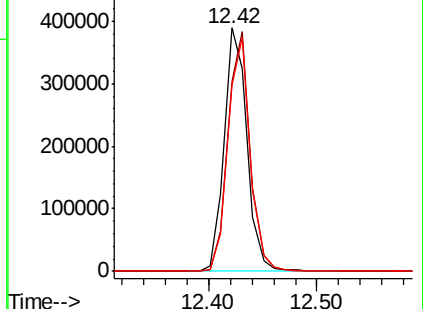
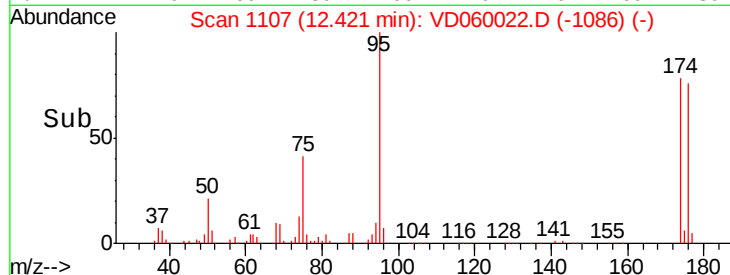
176 76.2 0.0 160.2



Abundance Ion 95.00 (94.70 to 95.70): V

Ion 173.90 (173.60 to 174.60): V

Ion 175.90 (175.60 to 176.60): V



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.28 min Scan# 991

Delta R.T. 0.01 min

Lab File: VD060022.D

Acq: 17 Sep 2018 15:37

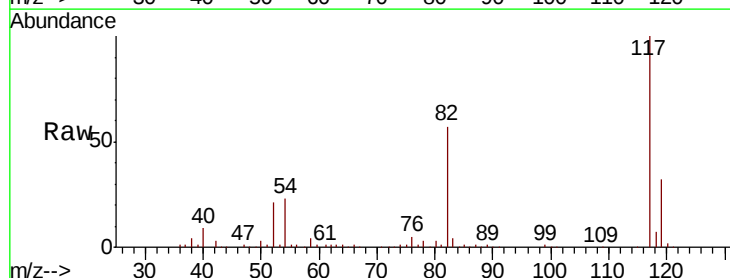
Tgt Ion: 117 Resp: 1409740

Ion Ratio Lower Upper

117 100

82 56.5 41.7 62.5

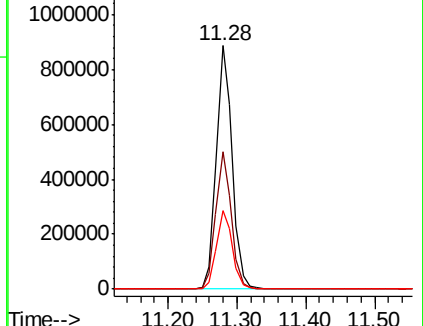
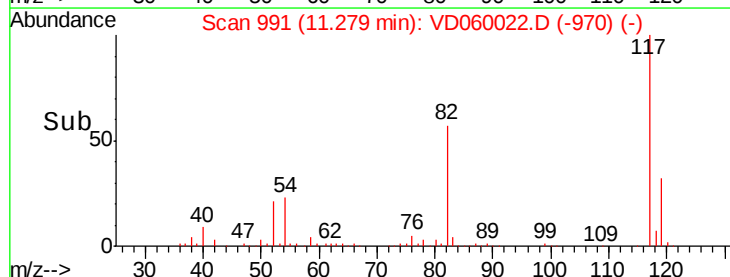
119 32.2 26.0 39.0

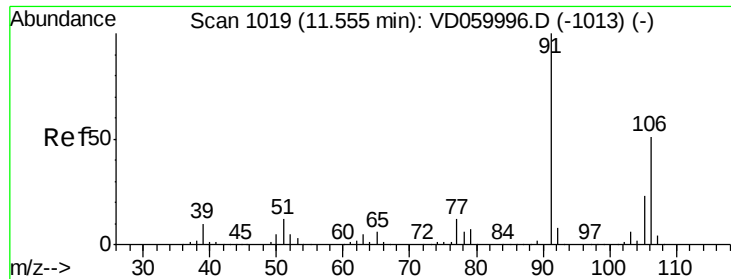


Abundance Ion 116.95 (116.65 to 117.65): V

Ion 82.05 (81.75 to 82.75): V

Ion 118.95 (118.65 to 119.65): V

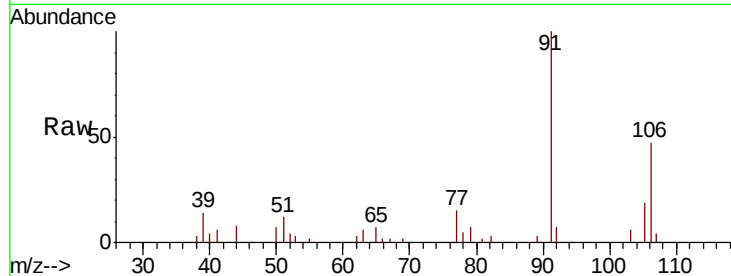




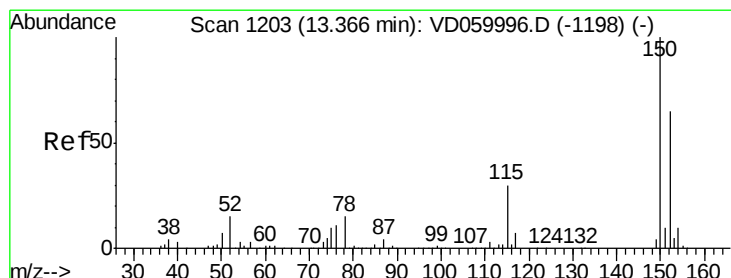
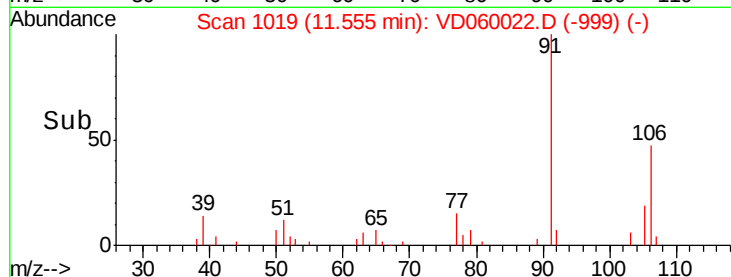
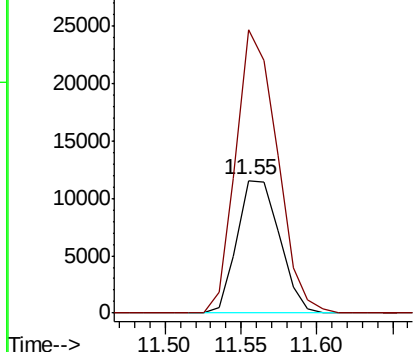
#68
m/p-Xylenes
Concen: 1.259 ug/l
RT: 11.55 min Scan# 1019
Delta R.T. -0.00 min
Lab File: VD060022.D
Acq: 17 Sep 2018 15:37

Instrument :
MSVOA_D
ClientSampleId :
CL-01-091418-ARE

Tgt Ion:106 Resp: 22677
Ion Ratio Lower Upper
106 100
91 213.1 157.0 235.6

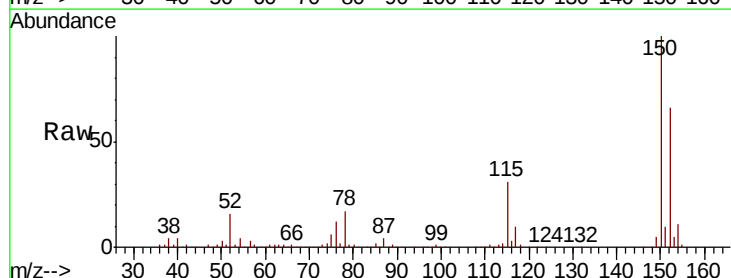


Abundance Ion 106.05 (105.75 to 106.75): V
Ion 91.00 (90.70 to 91.70): V

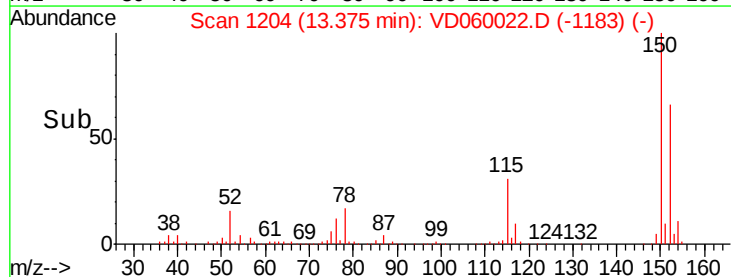
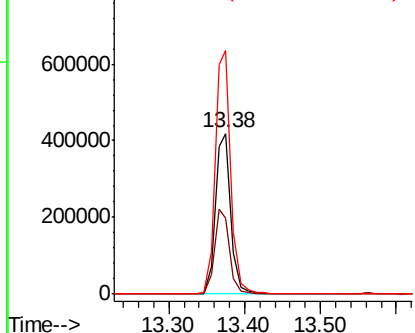


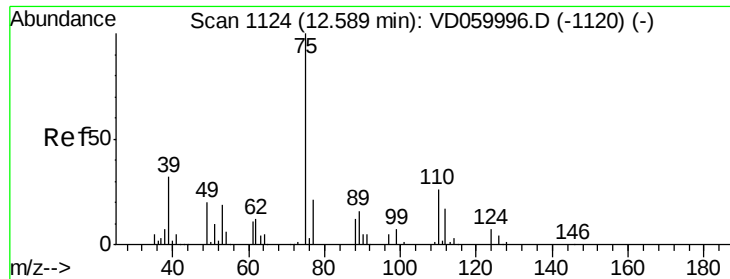
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.38 min Scan# 1204
Delta R.T. 0.01 min
Lab File: VD060022.D
Acq: 17 Sep 2018 15:37

Tgt Ion:152 Resp: 605482
Ion Ratio Lower Upper
152 100
115 47.2 24.6 73.8
150 151.2 0.0 313.4



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

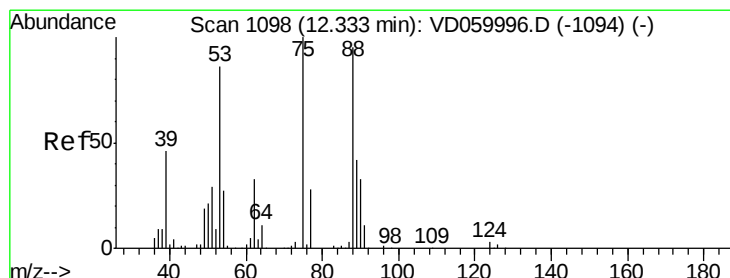
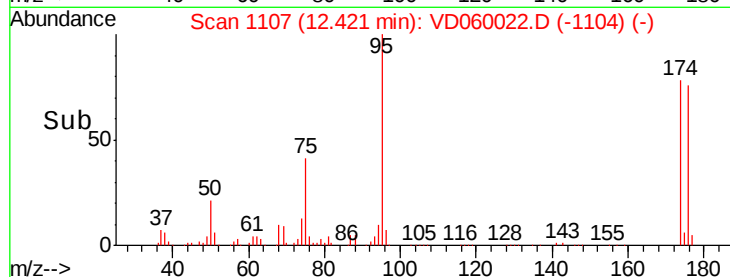
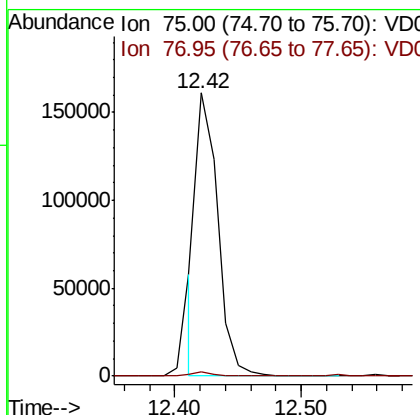
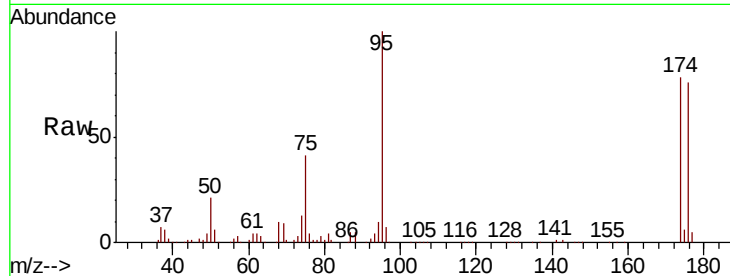




#76
 1,2,3-Trichloropropane
 Concen: 20.806 ug/l
 RT: 12.42 min Scan# 1107
 Delta R.T. -0.17 min
 Lab File: VD060022.D
 Acq: 17 Sep 2018 15:37

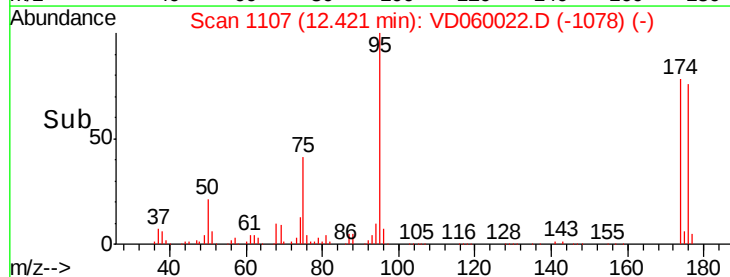
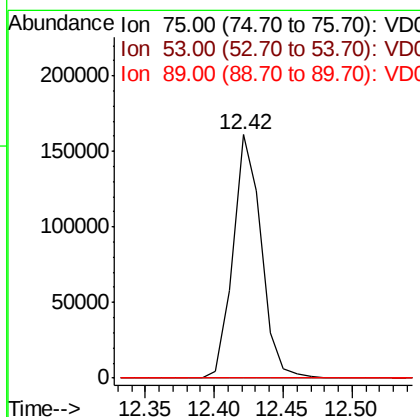
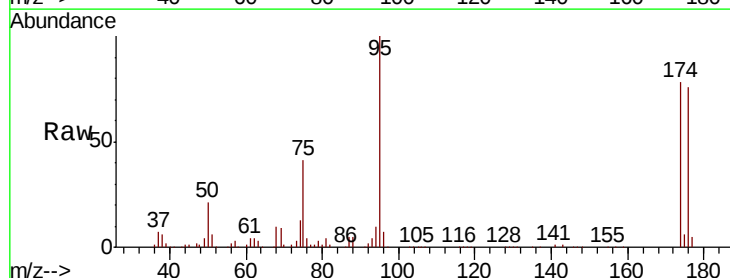
Instrument :
 MSVOA_D
 ClientSampleId :
 CL-01-091418-ARE

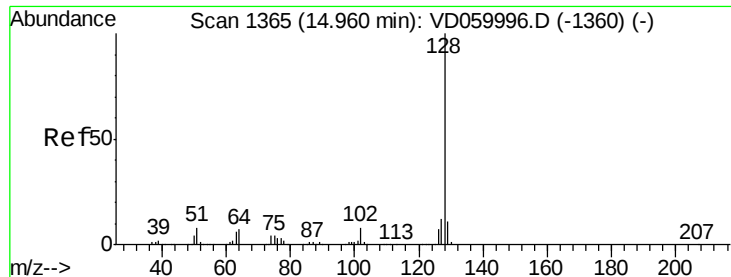
Tgt Ion: 75 Resp: 192402
 Ion Ratio Lower Upper
 75 100
 77 1.5 16.4 49.4#



#81
 trans-1,4-Dichloro-2-butene
 Concen: 82.099 ug/l
 RT: 12.42 min Scan# 1107
 Delta R.T. 0.09 min
 Lab File: VD060022.D
 Acq: 17 Sep 2018 15:37

Tgt Ion: 75 Resp: 229176
 Ion Ratio Lower Upper
 75 100
 53 0.0 68.4 102.6#
 89 0.0 33.8 50.6#





#95
 Naphthalene
 Concen: 20.690 ug/l
 RT: 14.97 min Scan# 1366
 Delta R.T. 0.01 min
 Lab File: VD060022.D
 Acq: 17 Sep 2018 15:37

Instrument :
 MSVOA_D
 ClientSampleId :
 CL-01-091418-ARE

Tgt Ion	Ratio	Lower	Upper
128	100		
127	11.9	9.7	14.5
129	10.8	8.9	13.3

