

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD051519\
 Data File : VD062408.D
 Acq On : 16 May 2019 00:31
 Operator : FY/SY
 Sample : K2866-04
 Misc : 6.55a/5mL/MSVOA D/SOIL
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: May 16 04:01:26 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D050719S.M
 Quant Title : SW846 8260
 QLast Update : Tue May 07 14:26:29 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.05	168	15736	50.00	ug/l	0.03
34) 1,4-Difluorobenzene	8.22	114	23576	50.00	ug/l	0.03
63) Chlorobenzene-d5	12.37	117	19865	50.00	ug/l	0.02
72) 1,4-Dichlorobenzene-d4	14.52	152	8894	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	7.45	65	9460	64.69	ug/l	0.03
Spiked Amount			Recovery	=	129.38%	
35) Dibromofluoromethane	6.92	113	8754	44.75	ug/l	0.03
Spiked Amount			Recovery	=	89.50%	
50) Toluene-d8	10.42	98	15892	33.70	ug/l	0.02
Spiked Amount			Recovery	=	67.40%	
62) 4-Bromofluorobenzene	13.56	95	7568	39.96	ug/l	0.00
Spiked Amount			Recovery	=	79.92%	

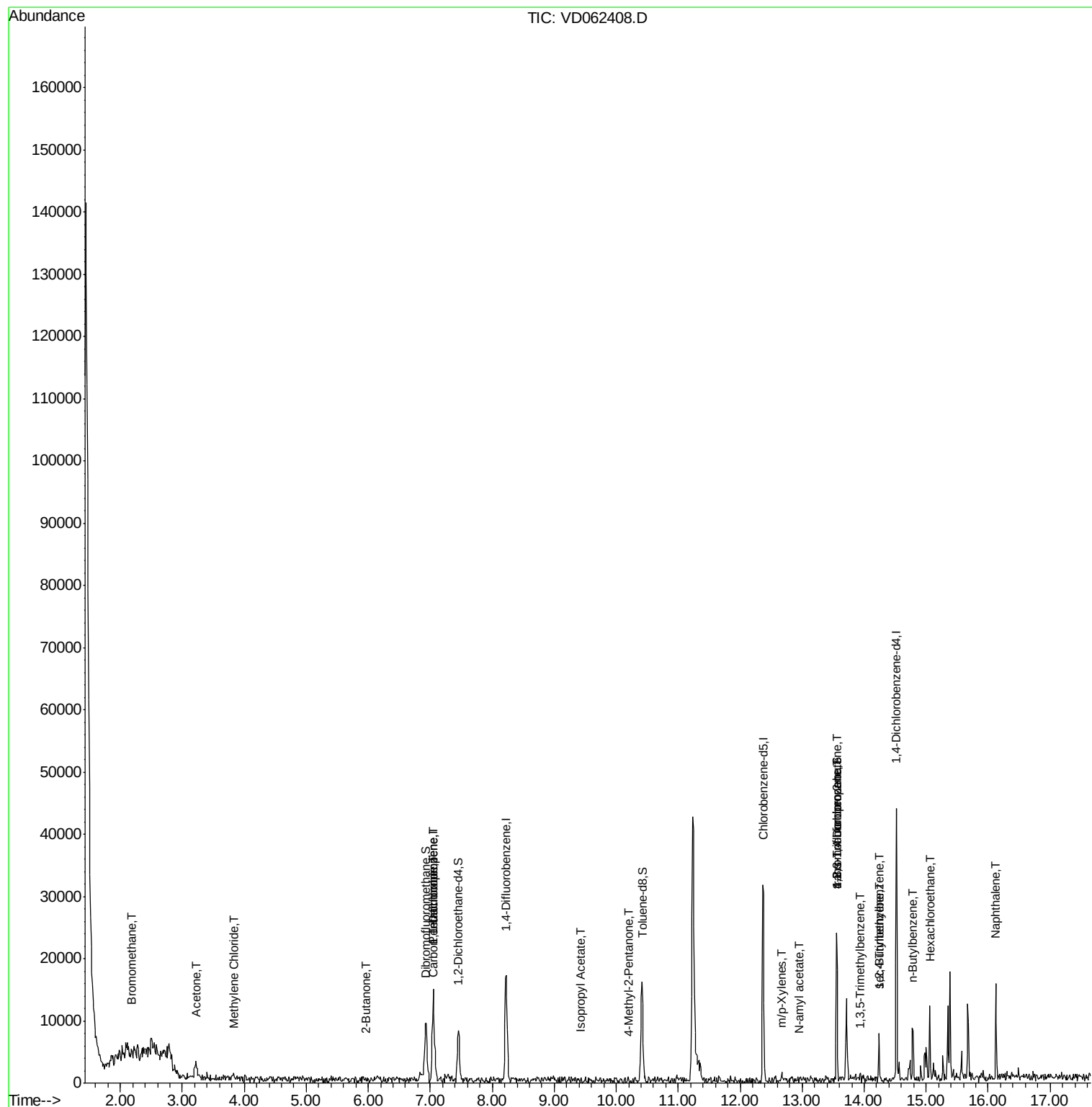
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	2.19	94	1131	45.163	ug/l #	12
16) Acetone	3.22	43	5062	165.061	ug/l #	50
20) Methylene Chloride	3.83	84	209	1.632	ug/l #	52
25) 2-Butanone	5.95	43	250	7.474	ug/l #	56
36) 1,1-Dichloropropene	7.06	75	955	4.940	ug/l #	40
38) Carbon Tetrachloride	7.03	117	1242	4.642	ug/l #	12
43) Isopropyl Acetate	9.42	43	205	1.763	ug/l #	43
51) 4-Methyl-2-Pentanone	10.21	43	180	2.409	ug/l #	37
68) m/p-Xylenes	12.67	106	230	1.021	ug/l	80
74) N-amyl acetate	12.96	43	309	2.211	ug/l #	49
76) 1,2,3-Trichloropropane	13.56	75	2664	25.204	ug/l #	42
80) 1,3,5-Trimethylbenzene	13.94	105	889	1.980	ug/l	85
81) trans-1,4-Dichloro-2-buten	13.56	75	3146	105.432	ug/l #	16
84) 1,2,4-Trimethylbenzene	14.24	105	3928	8.719	ug/l	92
85) sec-Butylbenzene	14.24	105	3928	7.100	ug/l #	60
89) n-Butylbenzene	14.79	91	1233	2.779	ug/l #	1
90) Hexachloroethane	15.06	117	523	3.891	ug/l #	20
95) Naphthalene	16.12	128	9712	42.566	ug/l	95

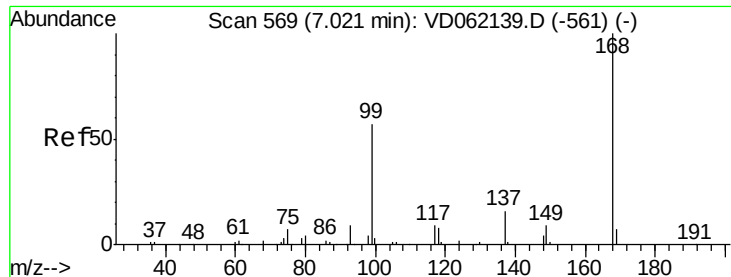
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Tue May 07 14:26:29 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.05 min Scan# 572

Delta R.T. 0.03 min

Lab File: VD062408.D

Acq: 16 May 2019 00:31

Instrument :

MSVOA_D

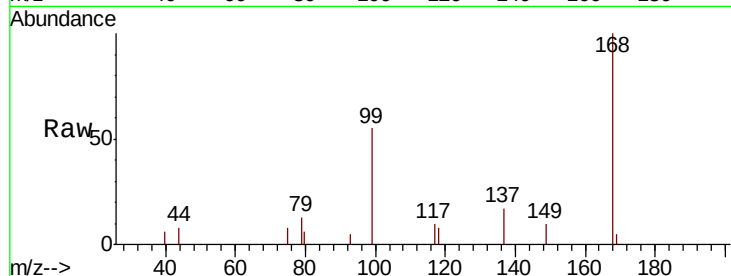
ClientSampled :

Tot Ion:168 Resp: 15736

Ion Ratio Lower Upper

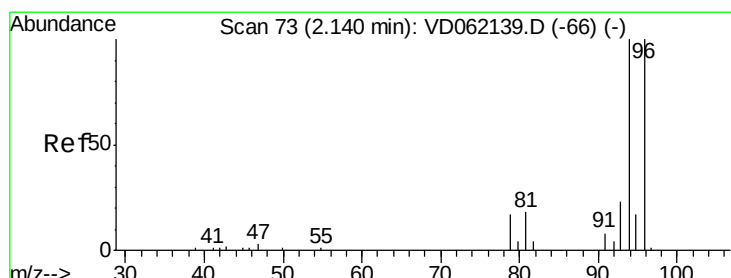
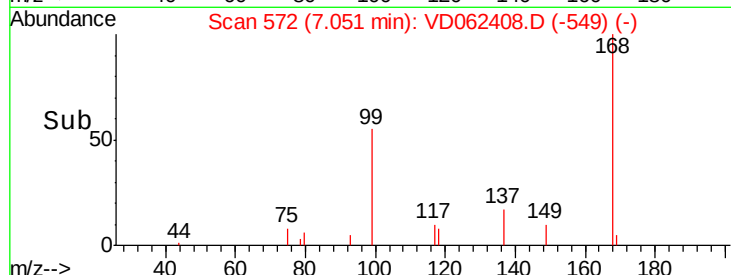
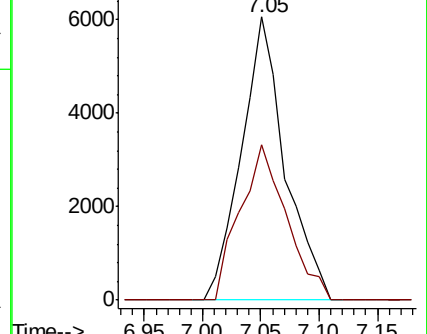
168 100

99 54.7 46.5 69.7



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC



#5

Bromomethane

Concen: 45.163 ug/l

RT: 2.19 min Scan# 78

Delta R.T. 0.05 min

Lab File: VD062408.D

Acq: 16 May 2019 00:31

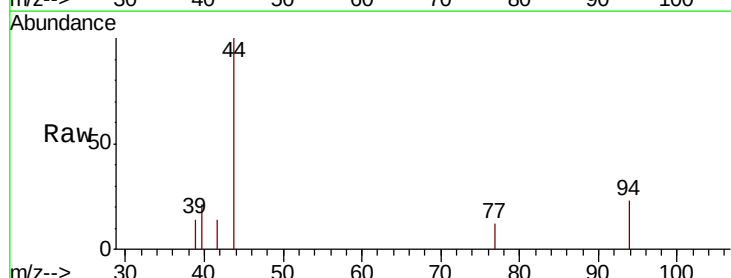
Tgt Ion: 94 Resp: 1131

Ion Ratio Lower Upper

94 100

96 0.0 76.6 115.0#

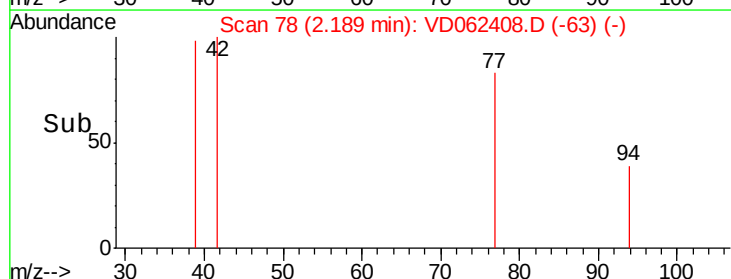
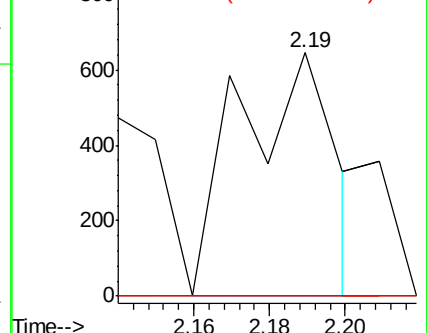
93 0.0 18.5 27.7#

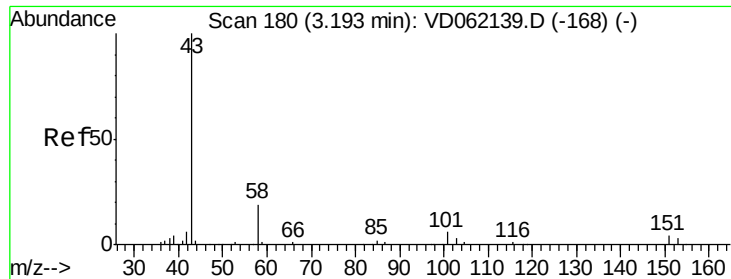


Abundance Ion 94.00 (93.70 to 94.70): VDC

Ion 96.00 (95.70 to 96.70): VDC

Ion 93.00 (92.70 to 93.70): VDC





#16

Acetone

Concen: 165.061 ug/l

RT: 3.22 min Scan# 183

Delta R.T. 0.03 min

Lab File: VD062408.D

Acq: 16 May 2019 00:31

Instrument :

MSVOA_D

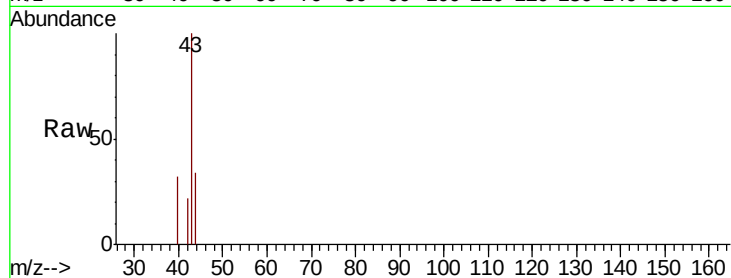
ClientSampleId :

Tot Ion: 43 Resp: 5062

Ion Ratio Lower Upper

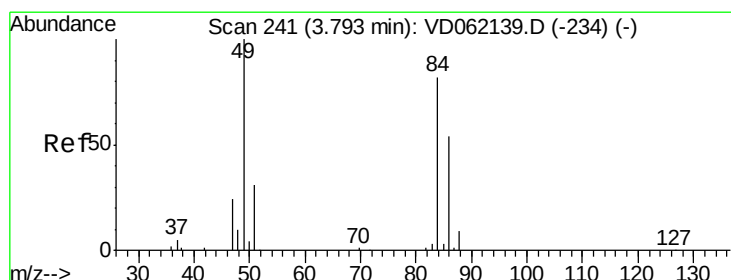
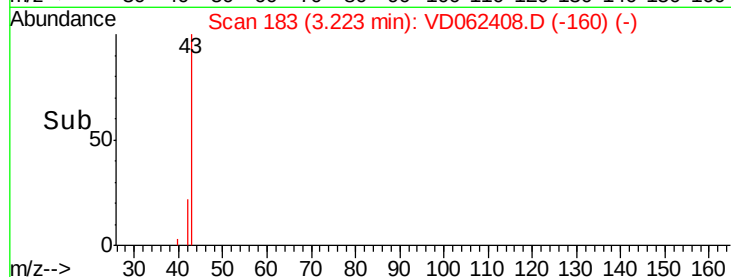
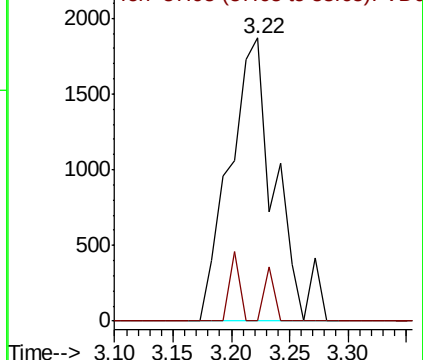
43 100

58 0.0 19.9 29.9#



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC



#20

Methylene Chloride

Concen: 1.632 ug/l

RT: 3.83 min Scan# 245

Delta R.T. 0.04 min

Lab File: VD062408.D

Acq: 16 May 2019 00:31

Tgt Ion: 84 Resp: 209

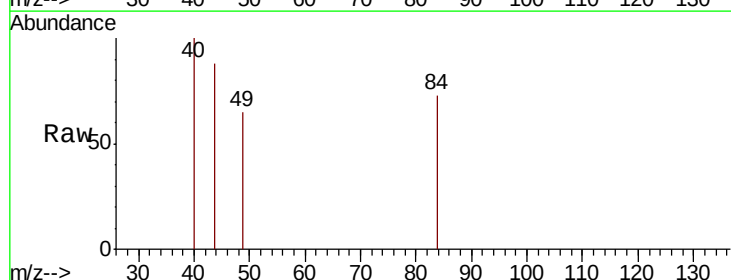
Ion Ratio Lower Upper

84 100

49 89.3 94.0 141.0#

51 0.0 29.0 43.4#

86 0.0 49.8 74.6#

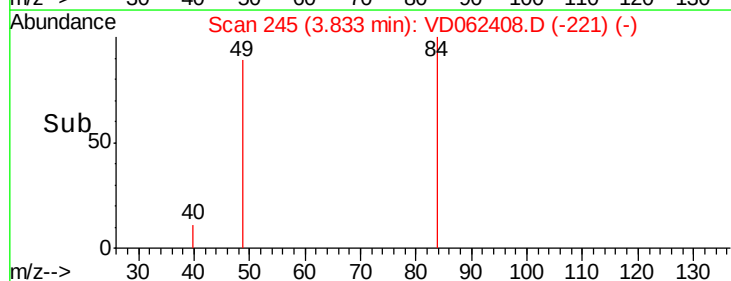
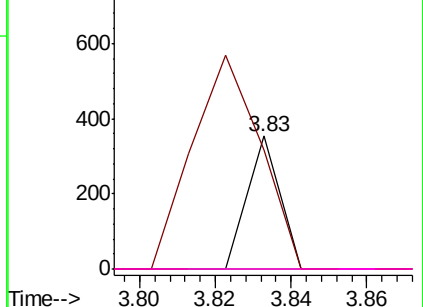


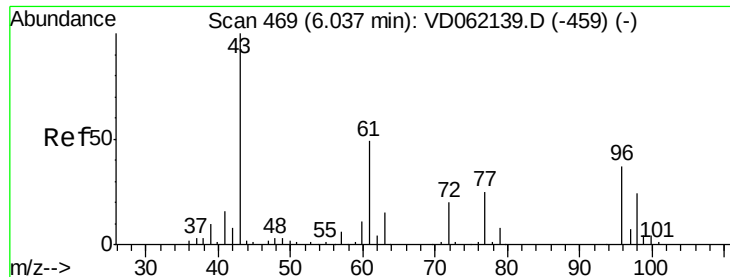
Abundance Ion 83.95 (83.65 to 84.65): VDC

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

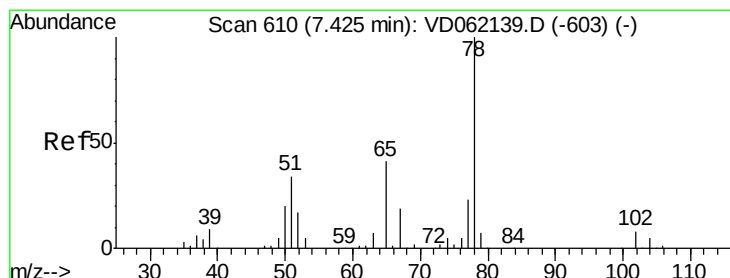
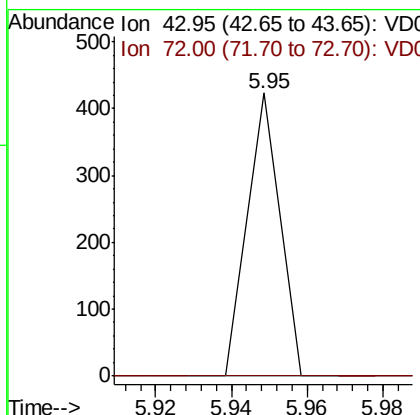
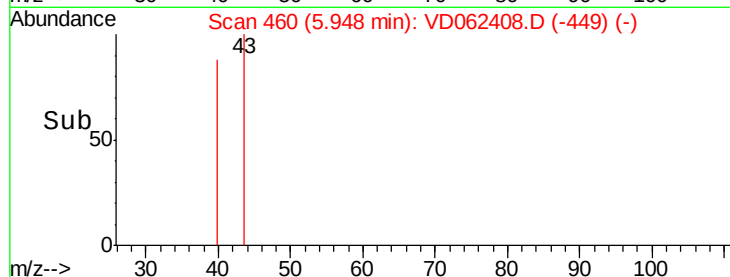
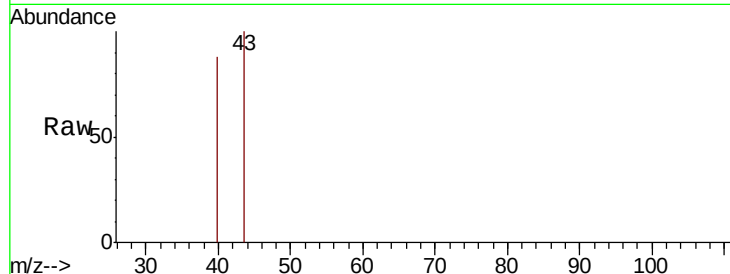




#25
 2-Butanone
 Concen: 7.474 ug/l
 RT: 5.95 min Scan# 460
 Delta R.T. -0.09 min
 Lab File: VD062408.D
 Acq: 16 May 2019 00:31

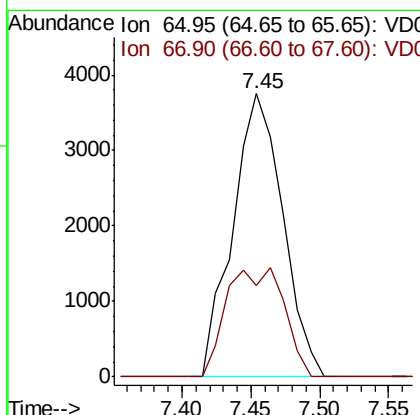
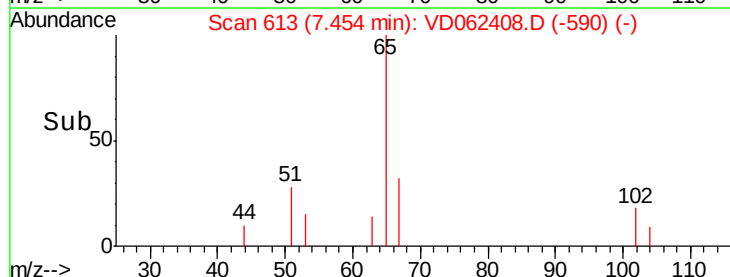
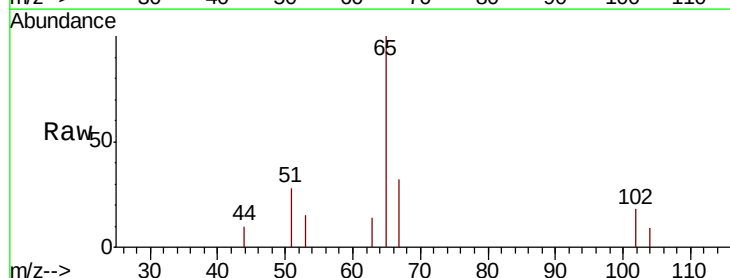
Instrument :
 MSVOA_D
 ClientSampleID :

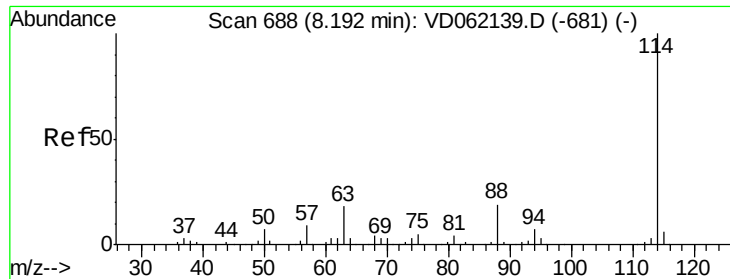
Tot Ion: 43 Resp: 250
 Ion Ratio Lower Upper
 43 100
 72 0.0 16.2 24.4#



#33
 1,2-Dichloroethane-d4
 Concen: 64.690 ug/l
 RT: 7.45 min Scan# 613
 Delta R.T. 0.03 min
 Lab File: VD062408.D
 Acq: 16 May 2019 00:31

Tgt Ion: 65 Resp: 9460
 Ion Ratio Lower Upper
 65 100
 67 32.3 0.0 98.0

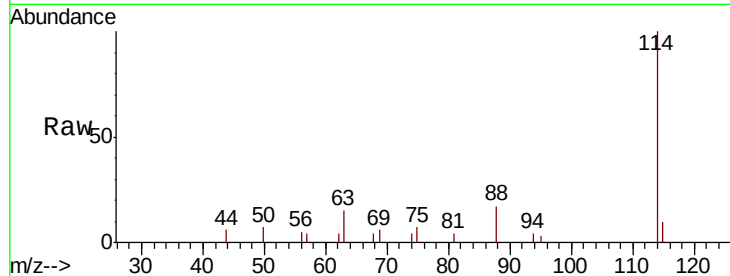




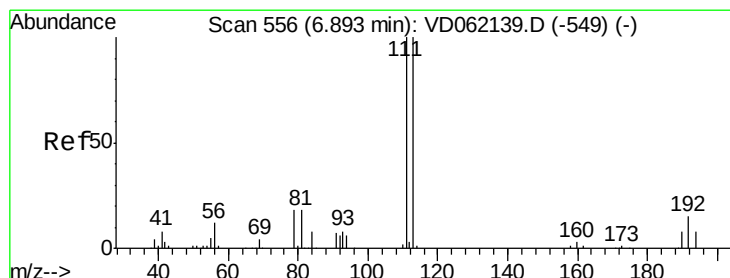
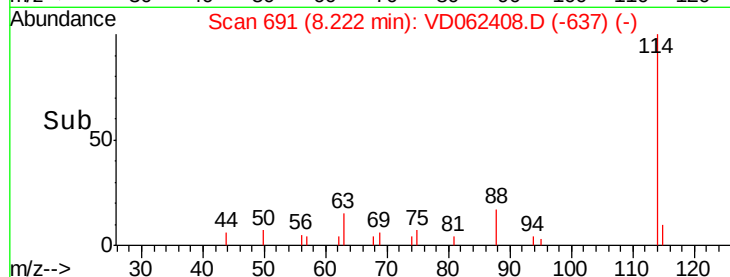
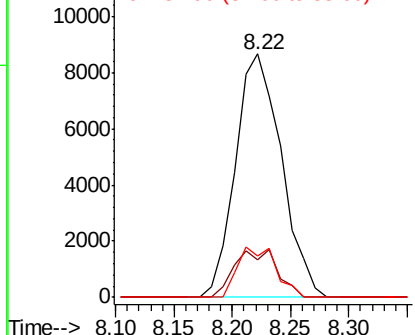
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.22 min Scan# 691
 Delta R.T. 0.03 min
 Lab File: VD062408.D
 Acq: 16 May 2019 00:31

Instrument :
 MSVOA_D
 ClientSampleId :

Tot Ion:114 Resp: 23576
 Ion Ratio Lower Upper
 114 100
 63 15.2 0.0 32.4
 88 16.9 0.0 33.6

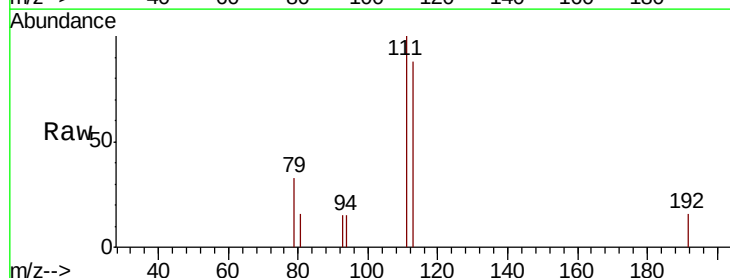


Abundance Ion 114.00 (113.70 to 114.70): V
 Ion 62.95 (62.65 to 63.65): V
 Ion 87.90 (87.60 to 88.60): V

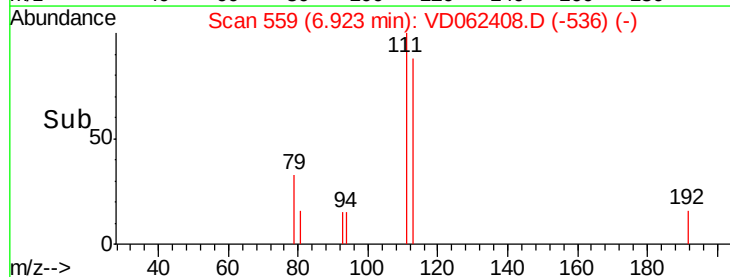
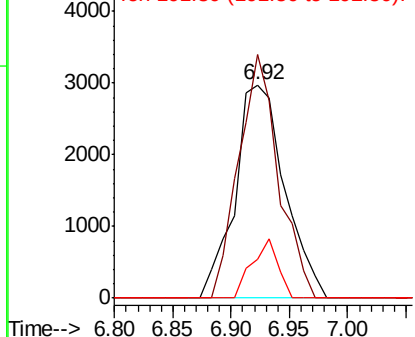


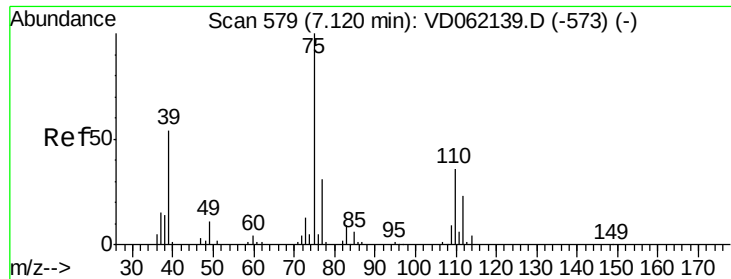
#35
 Dibromofluoromethane
 Concen: 44.752 ug/l
 RT: 6.92 min Scan# 559
 Delta R.T. 0.03 min
 Lab File: VD062408.D
 Acq: 16 May 2019 00:31

Tgt Ion:113 Resp: 8754
 Ion Ratio Lower Upper
 113 100
 111 114.0 78.5 117.7
 192 18.3 13.0 19.4



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: 4.940 ug/l

RT: 7.06 min Scan# 573

Delta R.T. -0.06 min

Lab File: VD062408.D

Acq: 16 May 2019 00:31

Instrument :

MSVOA_D

ClientSampleId :

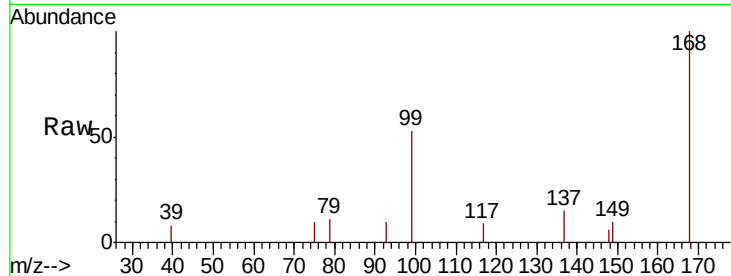
Tot Ion: 75 Resp: 955

Ion Ratio Lower Upper

75 100

110 0.0 19.1 57.1#

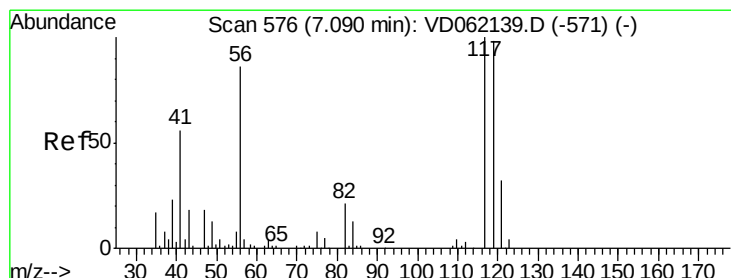
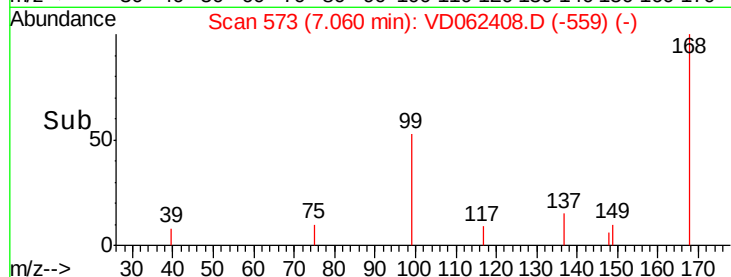
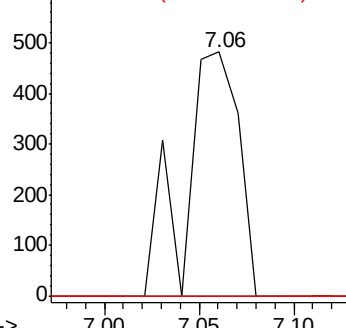
77 0.0 25.6 38.4#



Abundance Ion 75.00 (74.70 to 75.70): V

Ion 109.90 (109.60 to 110.60): V

Ion 76.95 (76.65 to 77.65): V



#38

Carbon Tetrachloride

Concen: 4.642 ug/l

RT: 7.03 min Scan# 570

Delta R.T. -0.06 min

Lab File: VD062408.D

Acq: 16 May 2019 00:31

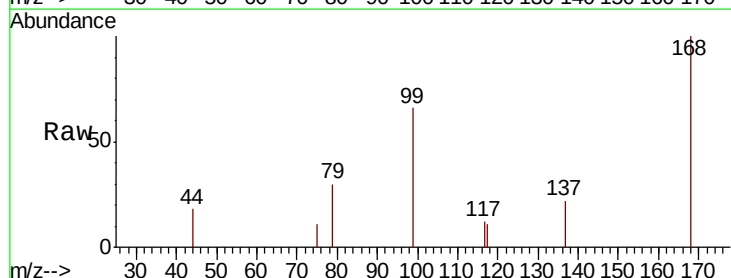
Tgt Ion: 117 Resp: 1242

Ion Ratio Lower Upper

117 100

119 0.0 75.8 113.8#

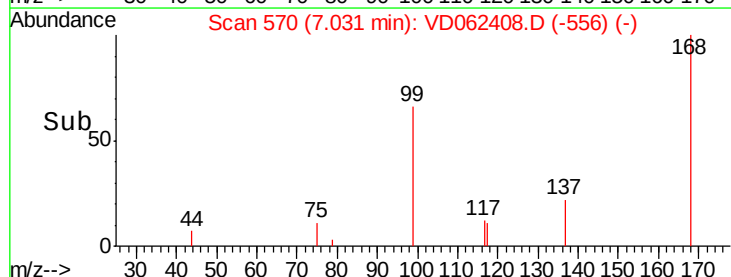
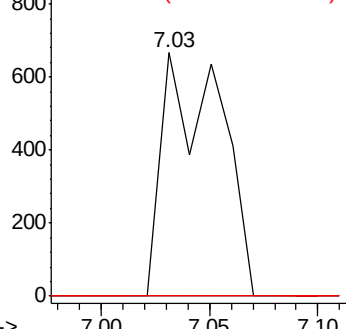
121 0.0 25.9 38.9#

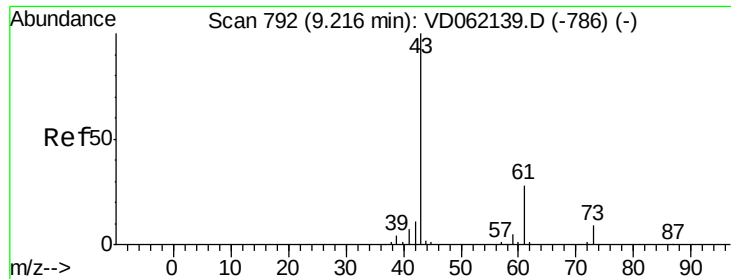


Abundance Ion 116.85 (116.55 to 117.55): V

Ion 118.85 (118.55 to 119.55): V

Ion 120.85 (120.55 to 121.55): V





#43

Isopropyl Acetate

Concen: 1.763 ug/l

RT: 9.42 min Scan# 813

Delta R.T. 0.21 min

Lab File: VD062408.D

Acq: 16 May 2019 00:31

Instrument :

MSVOA_D

ClientSampleId :

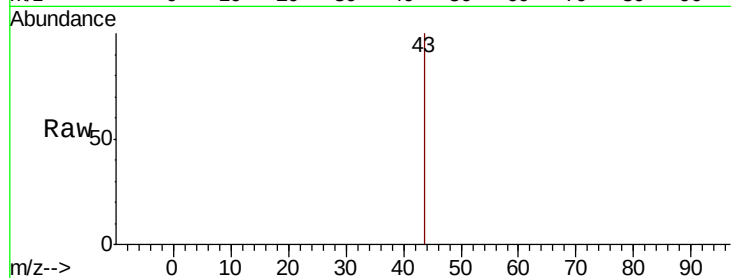
Tot Ion: 43 Resp: 205

Ion Ratio Lower Upper

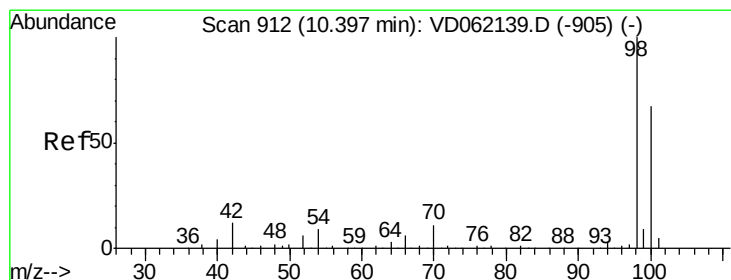
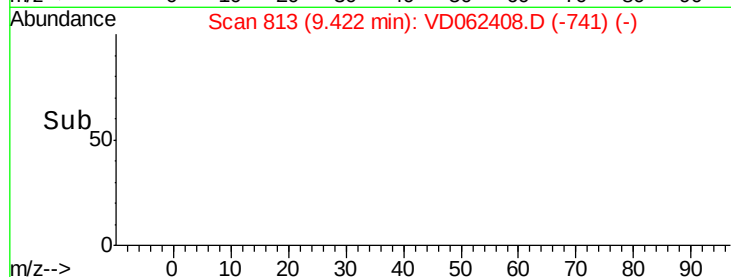
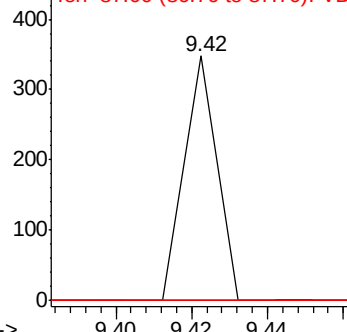
43 100

61 0.0 25.1 37.7#

87 0.0 0.0 0.0



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



#50

Toluene-d8

Concen: 33.695 ug/l

RT: 10.42 min Scan# 914

Delta R.T. 0.02 min

Lab File: VD062408.D

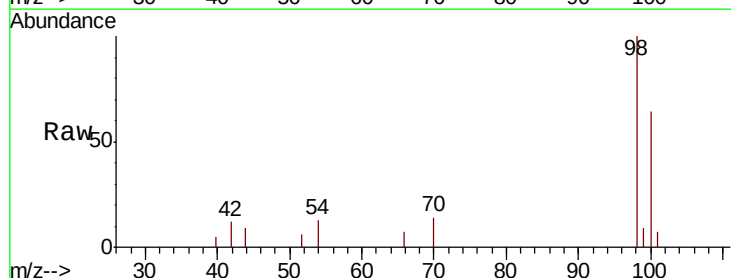
Acq: 16 May 2019 00:31

Tgt Ion: 98 Resp: 15892

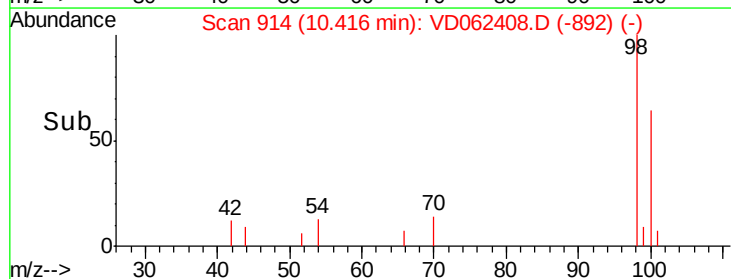
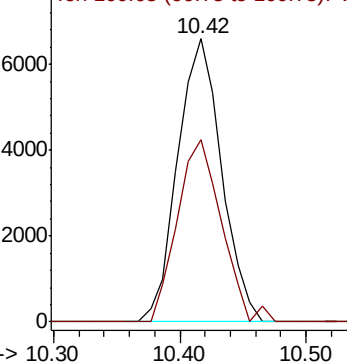
Ion Ratio Lower Upper

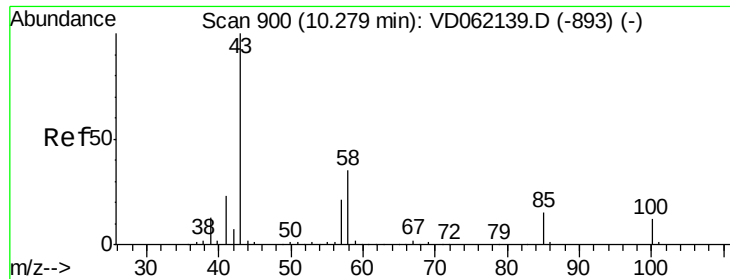
98 100

100 64.2 53.8 80.8



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: 2.409 ug/l

RT: 10.21 min Scan# 893

Delta R.T. -0.07 min

Lab File: VD062408.D

Acq: 16 May 2019 00:31

Instrument :

MSVOA_D

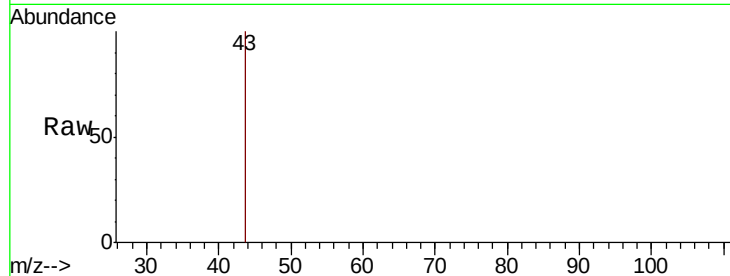
ClientSampleId :

Tot Ion: 43 Resp: 180

Ion Ratio Lower Upper

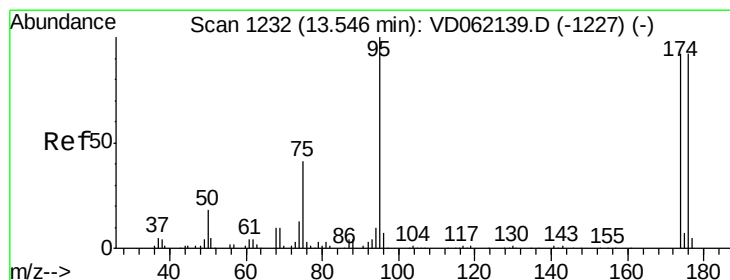
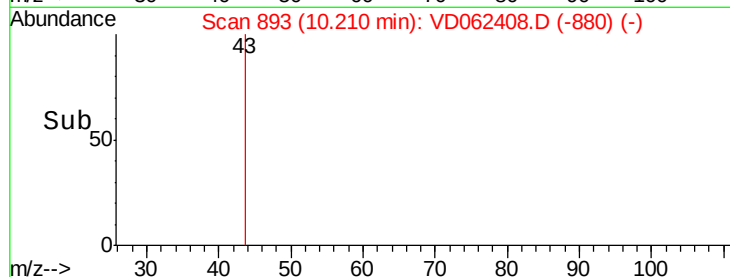
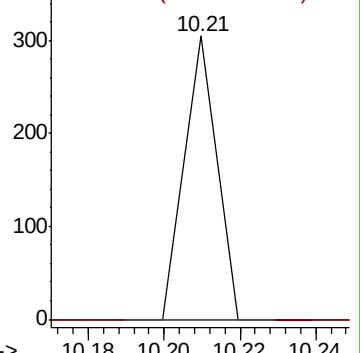
43 100

58 0.0 30.4 45.6#



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC



#62

4-Bromofluorobenzene

Concen: 39.959 ug/l

RT: 13.56 min Scan# 1233

Delta R.T. 0.01 min

Lab File: VD062408.D

Acq: 16 May 2019 00:31

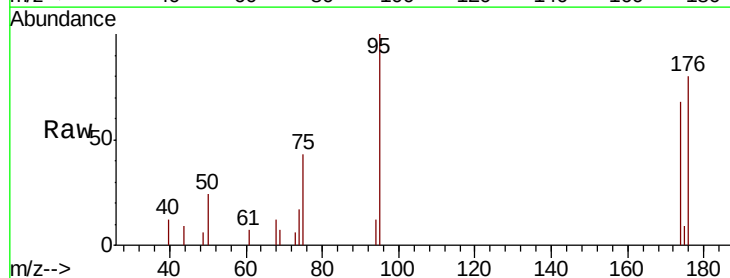
Tgt Ion: 95 Resp: 7568

Ion Ratio Lower Upper

95 100

174 68.1 0.0 181.8

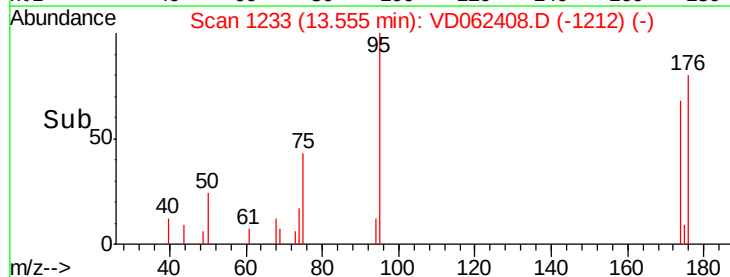
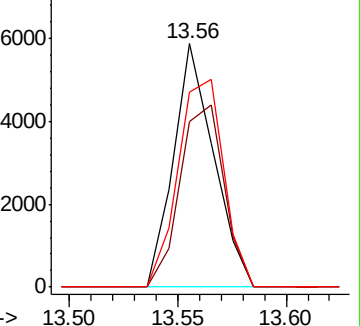
176 80.1 0.0 174.4

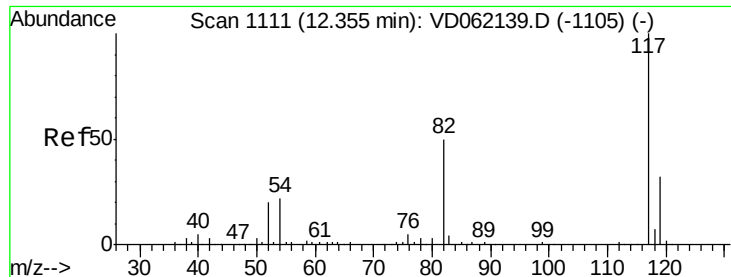


Abundance Ion 95.00 (94.70 to 95.70): VDC

Ion 173.90 (173.60 to 174.60): V

Ion 175.90 (175.60 to 176.60): V

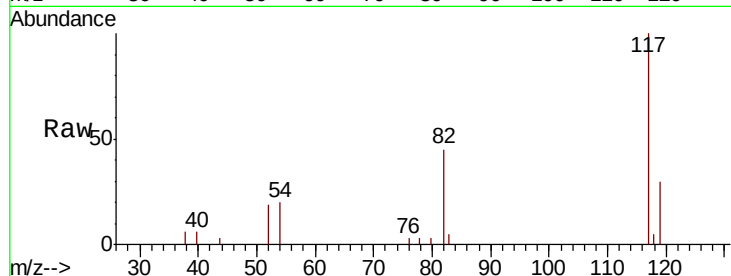




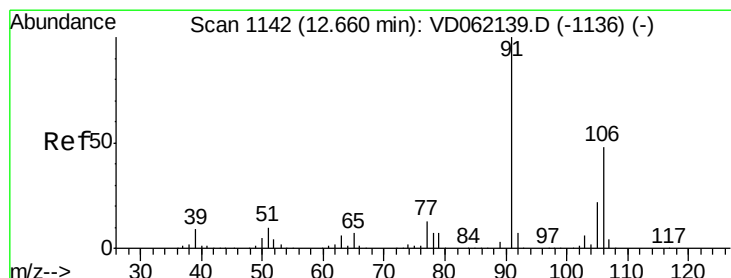
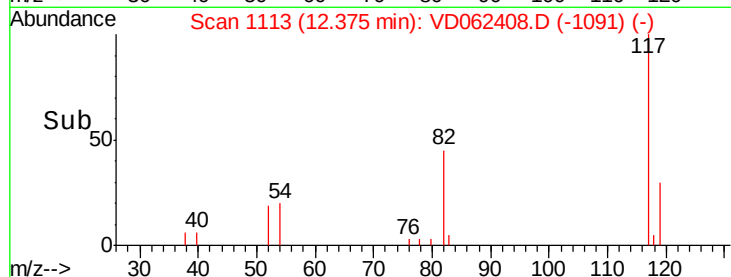
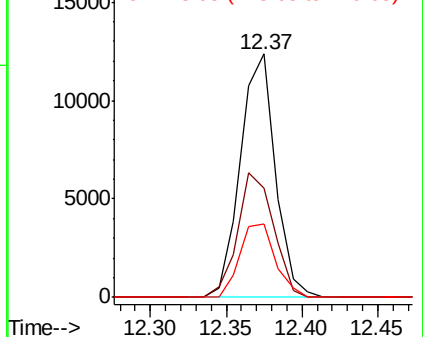
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 12.37 min Scan# 1113
Delta R.T. 0.02 min
Lab File: VD062408.D
Acq: 16 May 2019 00:31

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion:117 Resp: 19865
Ion Ratio Lower Upper
117 100
82 49.3 36.2 54.2
119 30.1 26.2 39.4

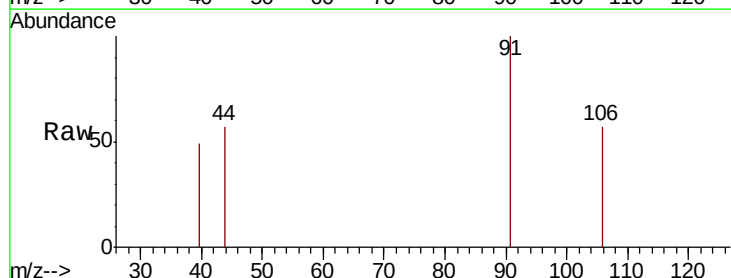


Abundance Ion 116.95 (116.65 to 117.65): V
Ion 82.05 (81.75 to 82.75): V
Ion 118.95 (118.65 to 119.65): V

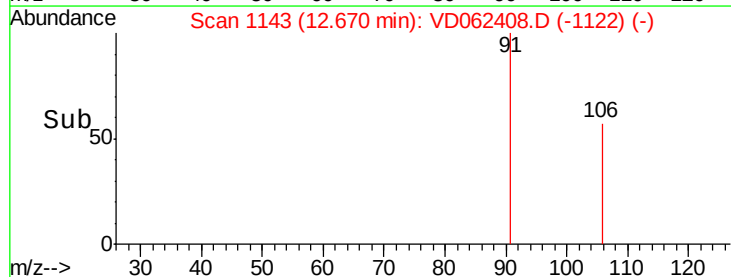
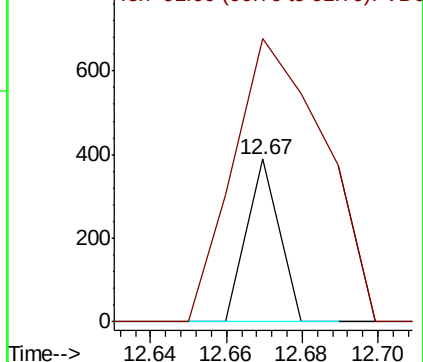


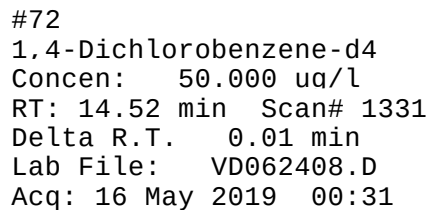
#68
m/p-Xylenes
Concen: 1.021 ug/l
RT: 12.67 min Scan# 1143
Delta R.T. 0.01 min
Lab File: VD062408.D
Acq: 16 May 2019 00:31

Tgt Ion:106 Resp: 230
Ion Ratio Lower Upper
106 100
91 174.0 164.0 246.0



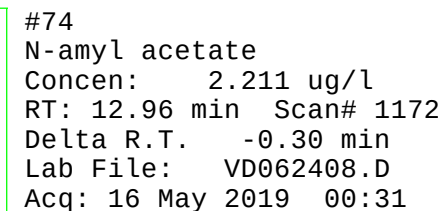
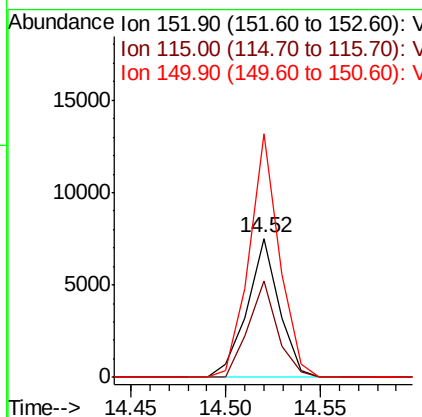
Abundance Ion 106.05 (105.75 to 106.75): V
Ion 91.00 (90.70 to 91.70): V



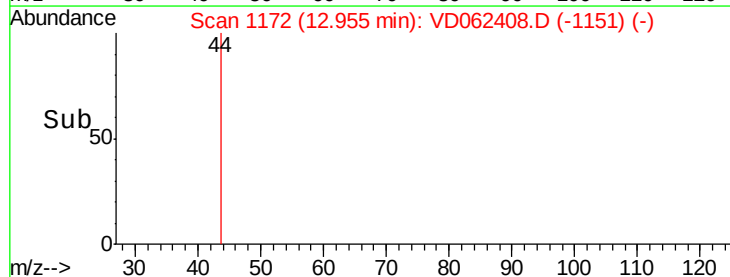
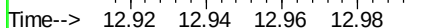
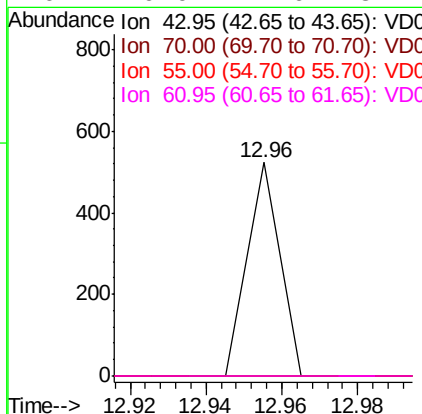


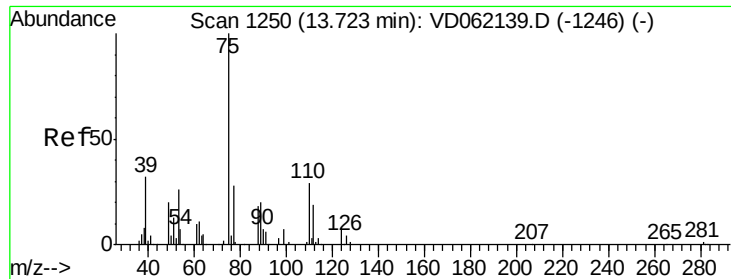
Instrument :
MSVOA_D
ClientSampleId :

Tqt	Ion:152	Resp:	8894
Ion	Ratio	Lower	Upper
152	100		
115	69.2	30.9	92.7
150	174.9	0.0	314.8



Tgt	Ion: 43	Resp:	309
Ion	Ratio	Lower	Upper
43	100		
70	0.0	24.2	36.4#
55	0.0	16.0	24.0#
61	0.0	21.6	32.4#

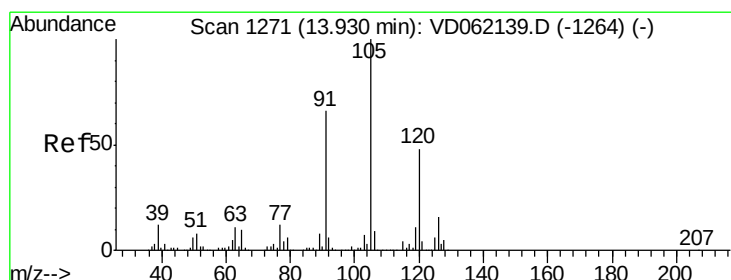
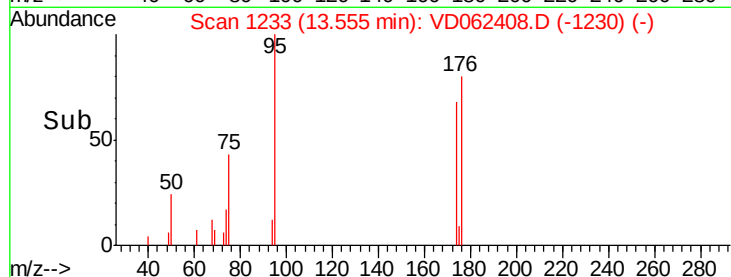
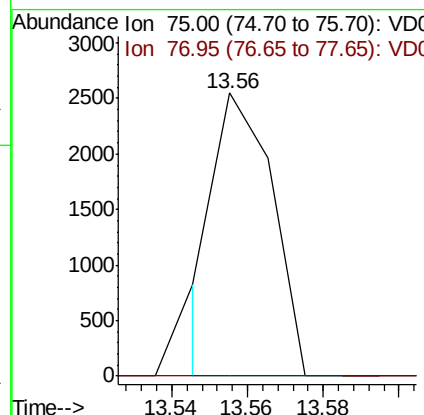
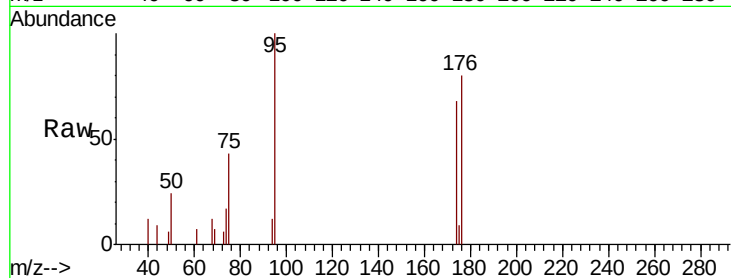




#76
 1,2,3-Trichloropropane
 Concen: 25.204 ug/l
 RT: 13.56 min Scan# 1233
 Delta R.T. -0.17 min
 Lab File: VD062408.D
 Acq: 16 May 2019 00:31

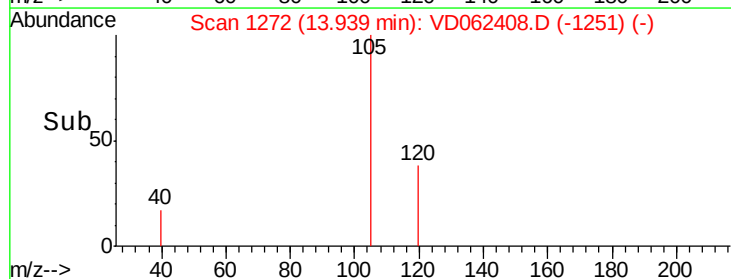
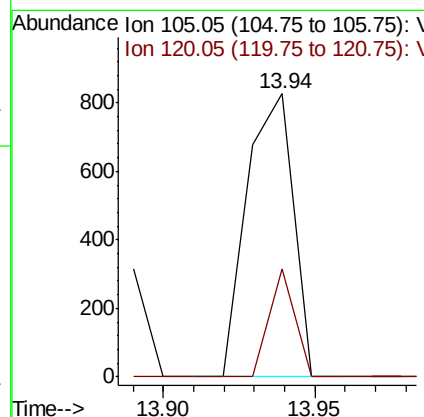
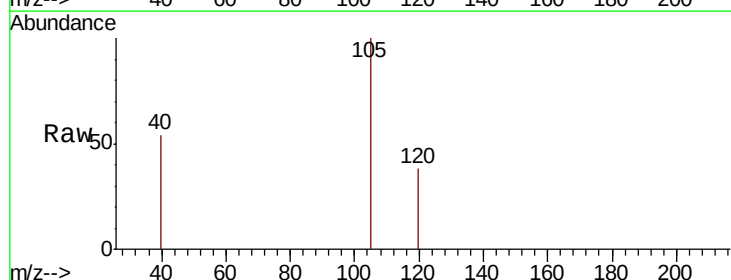
Instrument :
 MSVOA_D
 ClientSampleID :

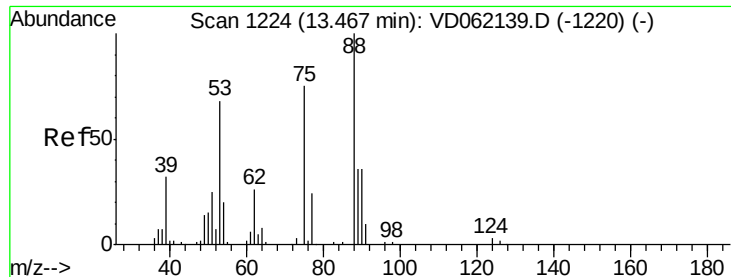
Tot Ion: 75 Resp: 2664
 Ion Ratio Lower Upper
 75 100
 77 0.0 16.4 49.4#



#80
 1,3,5-Trimethylbenzene
 Concen: 1.980 ug/l
 RT: 13.94 min Scan# 1272
 Delta R.T. 0.01 min
 Lab File: VD062408.D
 Acq: 16 May 2019 00:31

Tgt Ion:105 Resp: 889
 Ion Ratio Lower Upper
 105 100
 120 38.0 24.0 72.0





#81

trans-1,4-Dichloro-2-butene

Concen: 105.432 ug/l

RT: 13.56 min Scan# 1233

Delta R.T. 0.09 min

Lab File: VD062408.D

Acq: 16 May 2019 00:31

Instrument :

MSVOA_D

ClientSampleId :

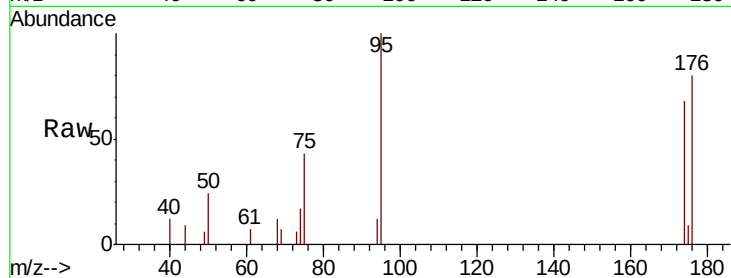
Tot Ion: 75 Resp: 3146

Ion Ratio Lower Upper

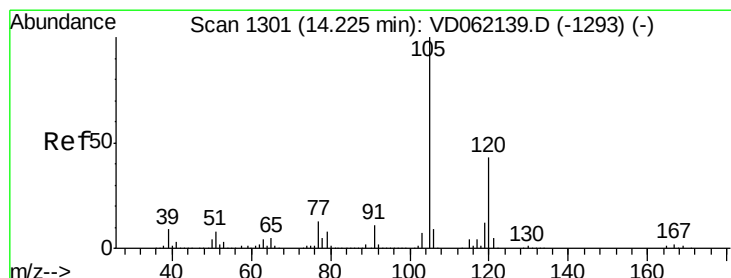
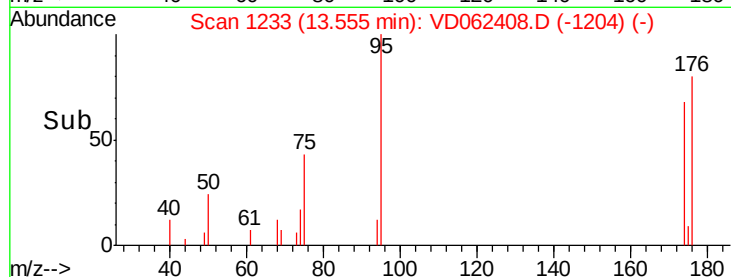
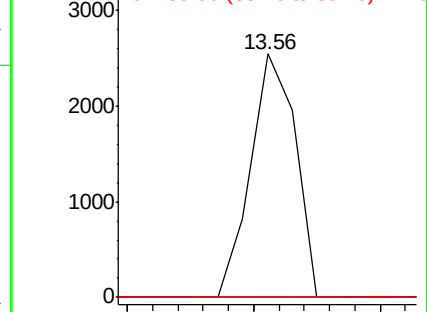
75 100

53 0.0 65.8 98.8#

89 0.0 35.0 52.6#



Abundance Ion 75.00 (74.70 to 75.70): VDC
Ion 53.00 (52.70 to 53.70): VDC
Ion 89.00 (88.70 to 89.70): VDC



#84

1,2,4-Trimethylbenzene

Concen: 8.719 ug/l

RT: 14.24 min Scan# 1303

Delta R.T. 0.02 min

Lab File: VD062408.D

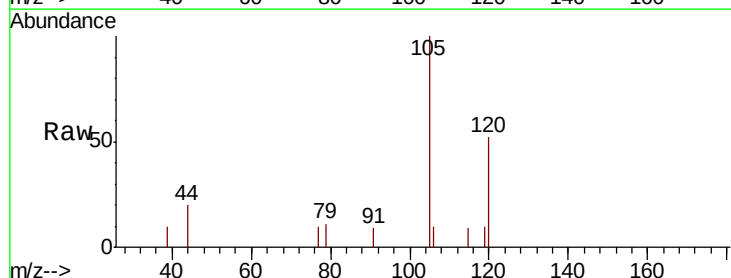
Acq: 16 May 2019 00:31

Tgt Ion:105 Resp: 3928

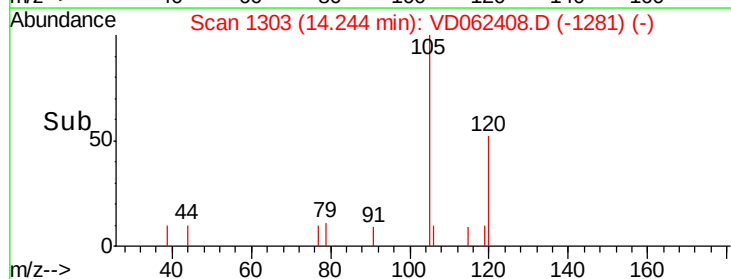
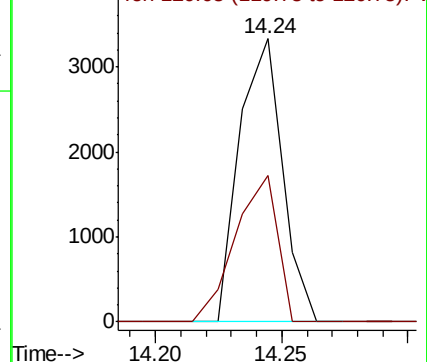
Ion Ratio Lower Upper

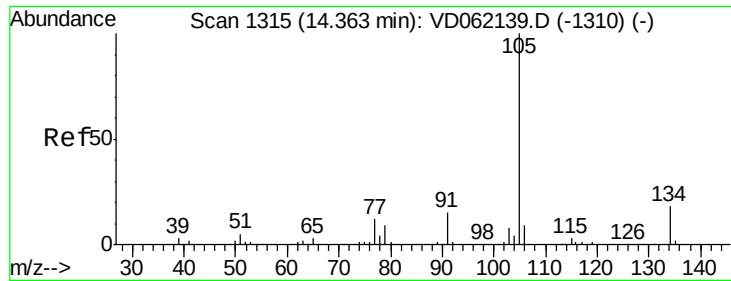
105 100

120 51.6 23.1 69.2



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

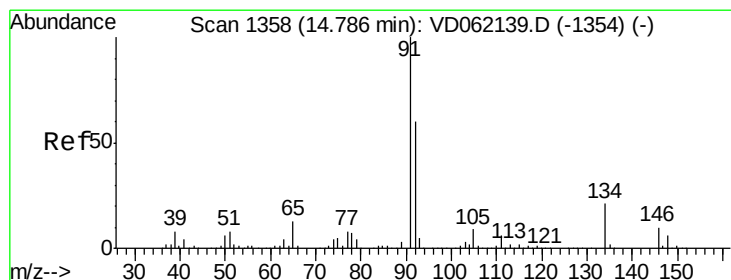
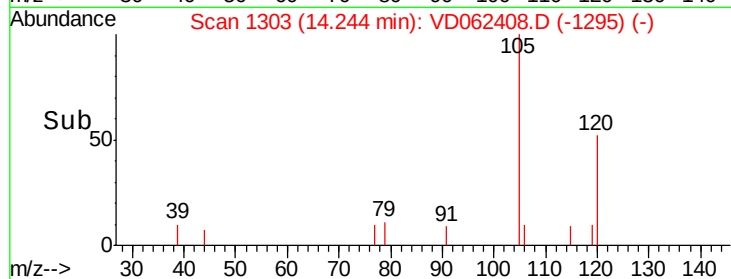
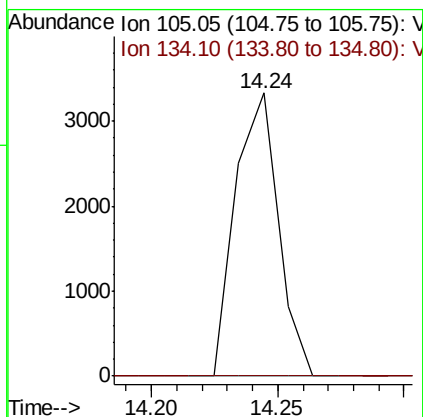
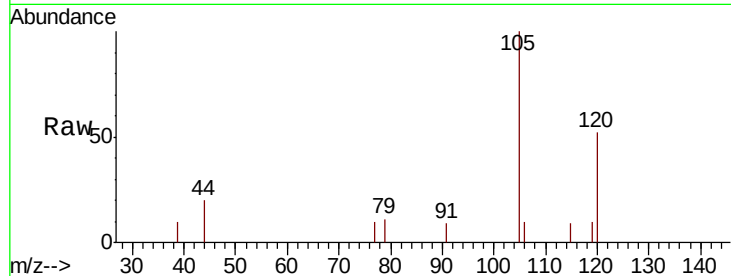




#85
 sec-Butylbenzene
 Concen: 7.100 ug/l
 RT: 14.24 min Scan# 1303
 Delta R.T. -0.12 min
 Lab File: VD062408.D
 Acq: 16 May 2019 00:31

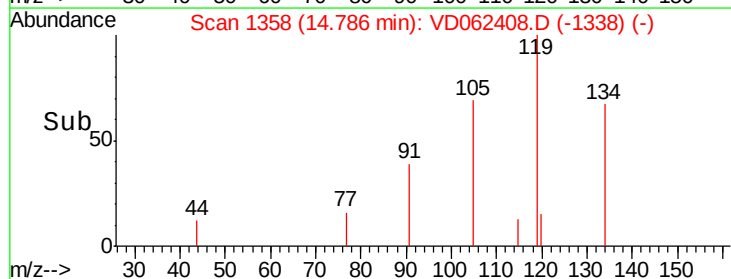
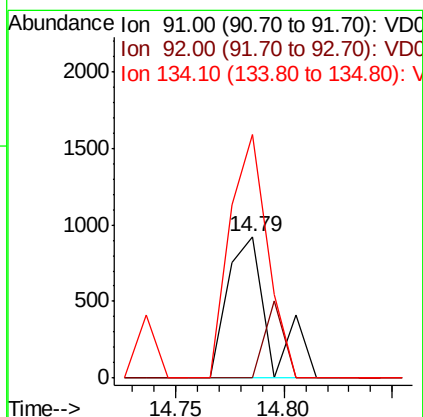
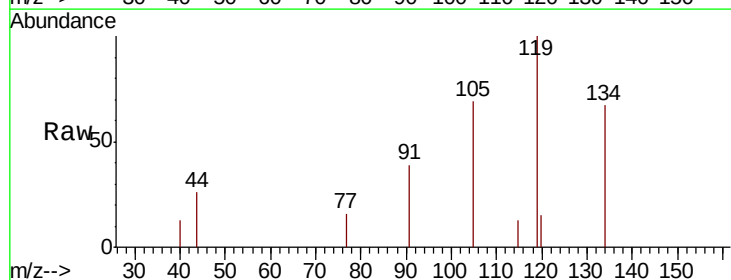
Instrument :
 MSVOA_D
 ClientSampled :

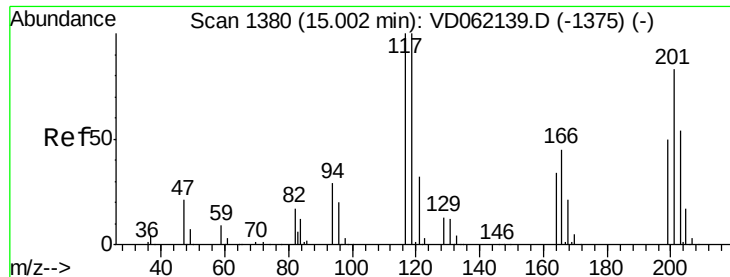
Tot Ion: 105 Resp: 3928
 Ion Ratio Lower Upper
 105 100
 134 0.0 8.9 26.7#



#89
 n-Butylbenzene
 Concen: 2.779 ug/l
 RT: 14.79 min Scan# 1358
 Delta R.T. -0.00 min
 Lab File: VD062408.D
 Acq: 16 May 2019 00:31

Tgt Ion: 91 Resp: 1233
 Ion Ratio Lower Upper
 91 100
 92 0.0 30.3 91.0#
 134 171.8 14.5 43.6#





#90

Hexachloroethane

Concen: 3.891 ug/l

RT: 15.06 min Scan# 1386

Delta R.T. 0.06 min

Lab File: VD062408.D

Acq: 16 May 2019 00:31

Instrument :

MSVOA_D

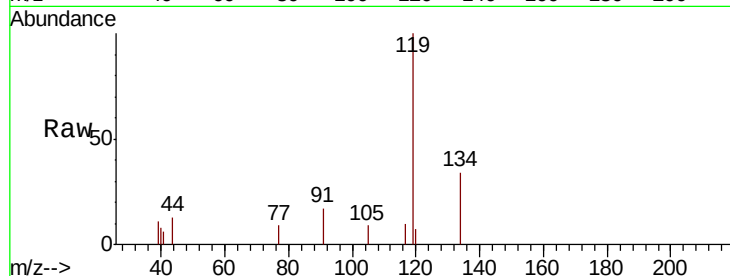
ClientSampleId :

Tot Ion:117 Resp: 523

Ion Ratio Lower Upper

117 100

201 0.0 30.2 90.6#



Abundance Ion 116.85 (116.55 to 117.55): V

Ion 200.75 (200.45 to 201.45): V

15.06

600

500

400

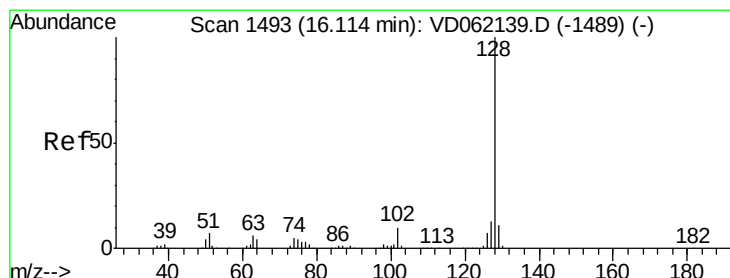
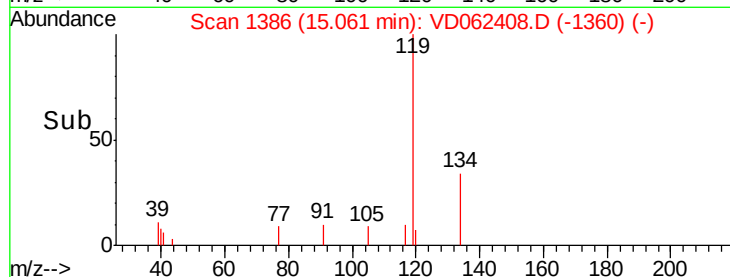
300

200

100

0

Time-->



#95

Naphthalene

Concen: 42.566 ug/l

RT: 16.12 min Scan# 1494

Delta R.T. 0.01 min

Lab File: VD062408.D

Acq: 16 May 2019 00:31

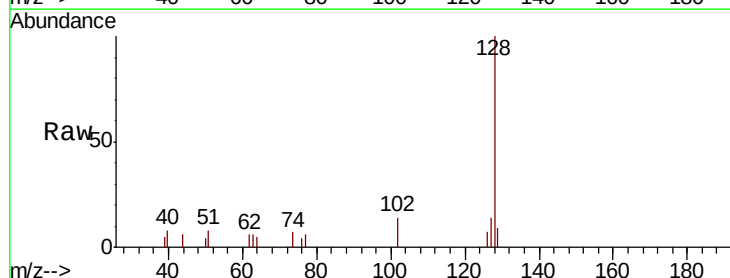
Tgt Ion:128 Resp: 9712

Ion Ratio Lower Upper

128 100

127 14.5 9.8 14.8

129 9.4 8.8 13.2



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

16.12

10000

8000

6000

4000

2000

0

Time-->

