

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_D\DATA\VD122818\
 Data File : VD060744.D
 Acq On : 28 Dec 2018 12:59
 Operator : VA/AP
 Sample : VD1228SBL01
 Misc : 5.00g/5ml/MSVOA_D/SOIL
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1228SBL01

Quant Time: Dec 28 22:01:15 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D122018S.M
 Quant Title : SW846 8260
 QLast Update : Fri Dec 21 17:37:47 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	6.42	168	1481295	50.00	ug/l	0.01
34) 1,4-Difluorobenzene	7.45	114	2045197	50.00	ug/l	0.01
63) Chlorobenzene-d5	11.28	117	1717218	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.38	152	891412	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.80	65	552238	53.95	ug/l	0.00
Spiked Amount 50.000			Recovery	=	107.90%	
35) Dibromofluoromethane	6.33	113	781115	52.18	ug/l	0.00
Spiked Amount 50.000			Recovery	=	104.36%	
50) Toluene-d8	9.46	98	2266380	50.74	ug/l	0.00
Spiked Amount 50.000			Recovery	=	101.48%	
62) 4-Bromofluorobenzene	12.43	95	808112	51.66	ug/l	0.01
Spiked Amount 50.000			Recovery	=	103.32%	

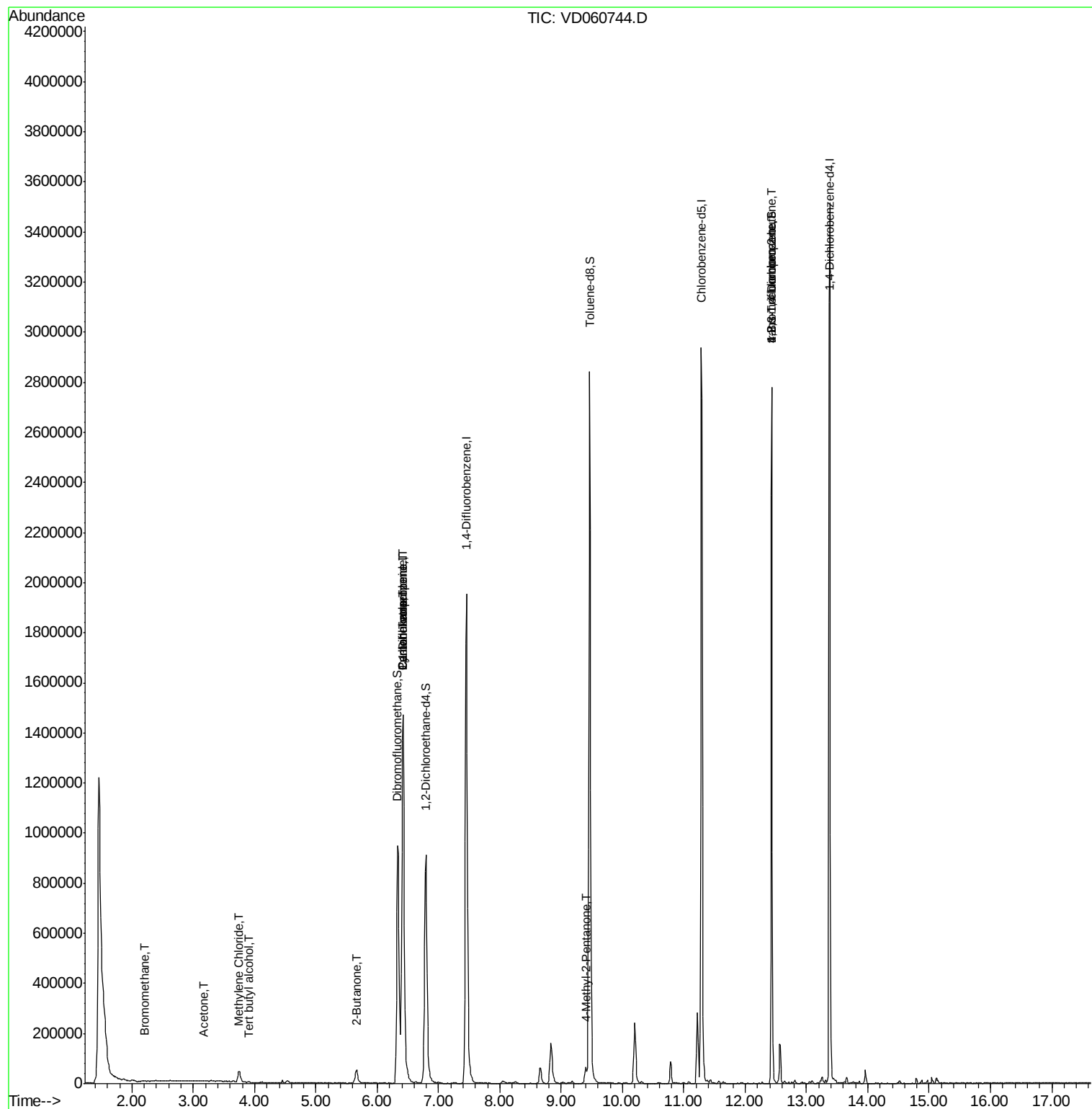
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	2.20	94	3343	1.079	ug/l #	58
11) Tert butyl alcohol	3.91	59	2496	5.834	ug/l #	74
16) Acetone	3.17	43	5635	3.152	ug/l #	53
20) Methylene Chloride	3.75	84	31804	1.713	ug/l	94
25) 2-Butanone	5.65	43	5789	1.692	ug/l #	61
31) Cyclohexane	6.41	56	30646	1.185	ug/l #	1
36) 1,1-Dichloropropene	6.41	75	103133	4.897	ug/l #	46
38) Carbon Tetrachloride	6.42	117	114797	6.179	ug/l #	16
51) 4-Methyl-2-Pentanone	9.40	43	14512	2.096	ug/l #	77
76) 1,2,3-Trichloropropane	12.42	75	293914	28.961	ug/l #	44
81) trans-1,4-Dichloro-2-buten	12.42	75	330019	117.683	ug/l #	13

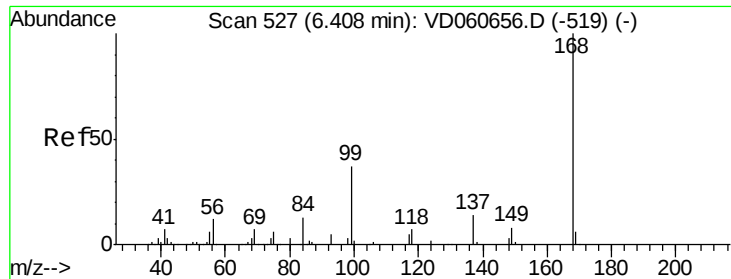
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_D\DATA\VD122818\
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Quant Title : SW846 8260
QLast Update : Fri Dec 21 17:37:47 2018
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 6.42 min Scan# 528

Delta R.T. 0.01 min

Lab File: VD060744.D

Acq: 28 Dec 2018 12:59

Instrument :

MSVOA_D

ClientSampleId :

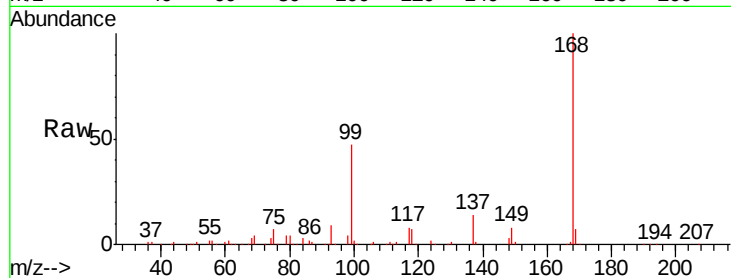
VD1228SBL01

Tgt Ion:168 Resp: 1481295

Ion Ratio Lower Upper

168 100

99 46.8 38.7 58.1



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC

6.42

500000

400000

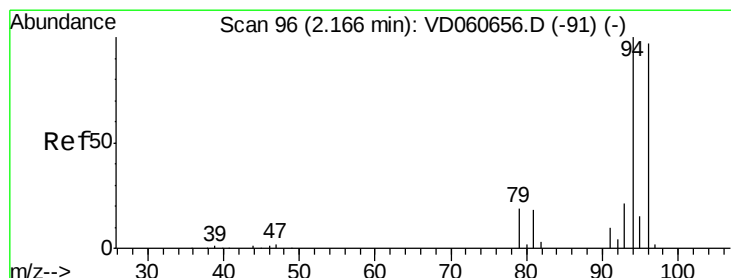
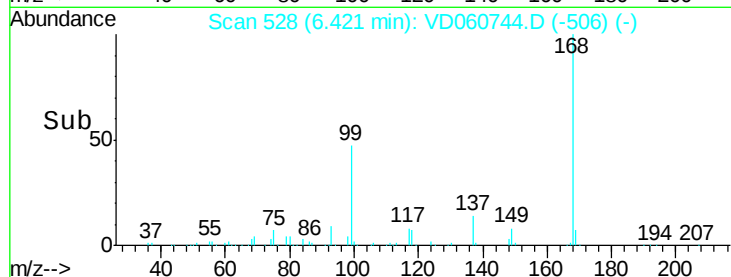
300000

200000

100000

0

Time-->



#5

Bromomethane

Concen: 1.079 ug/l

RT: 2.20 min Scan# 99

Delta R.T. 0.03 min

Lab File: VD060744.D

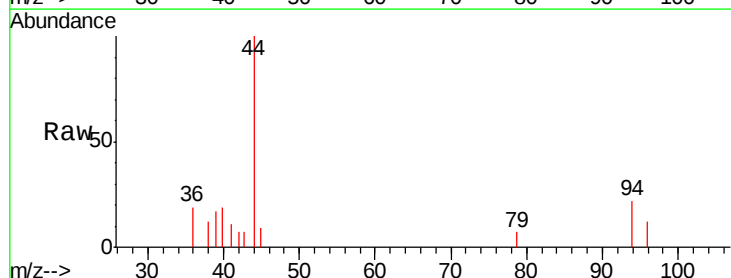
Acq: 28 Dec 2018 12:59

Tgt Ion: 94 Resp: 3343

Ion Ratio Lower Upper

94 100

96 55.8 77.2 115.8#



Abundance Ion 93.90 (93.60 to 94.60): VDC

Ion 95.90 (95.60 to 96.60): VDC

1200

1000

800

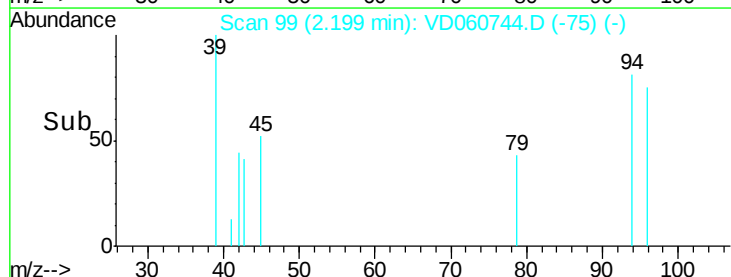
600

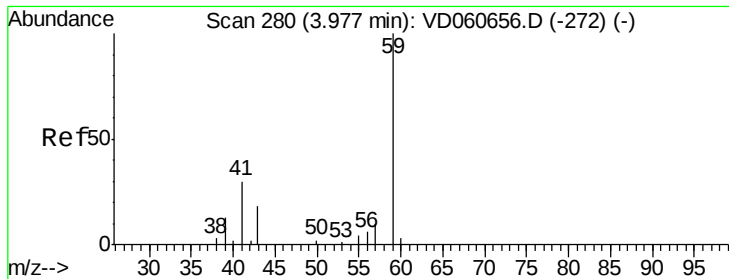
400

200

0

Time-->

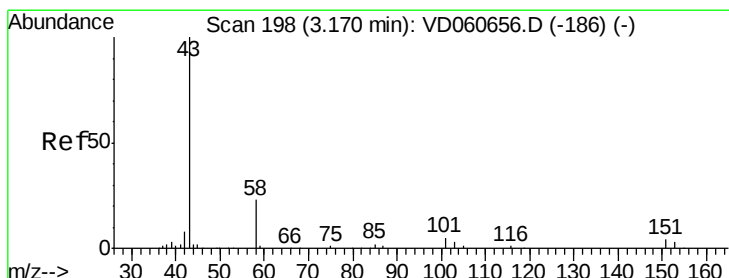
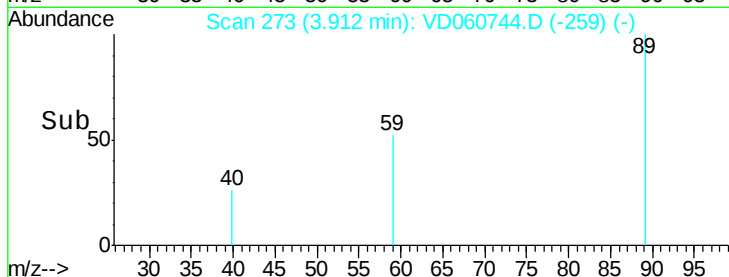
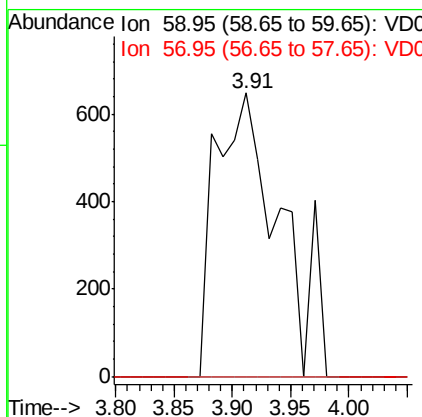
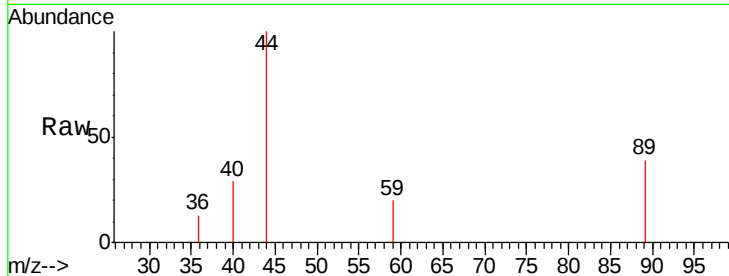




#11
Tert butyl alcohol
Concen: 5.834 ug/l
RT: 3.91 min Scan# 273
Delta R.T. -0.07 min
Lab File: VD060744.D
Acq: 28 Dec 2018 12:59

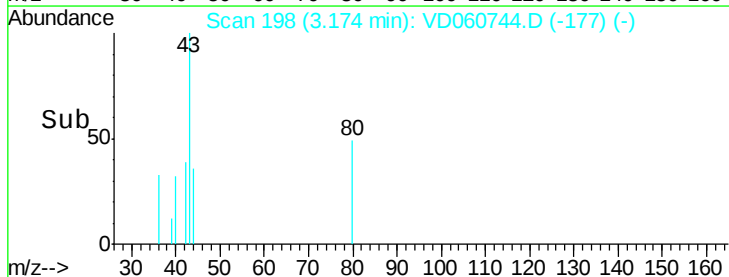
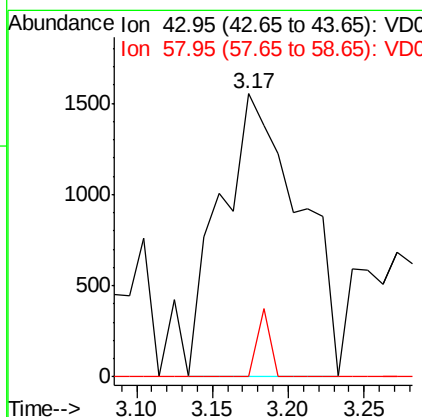
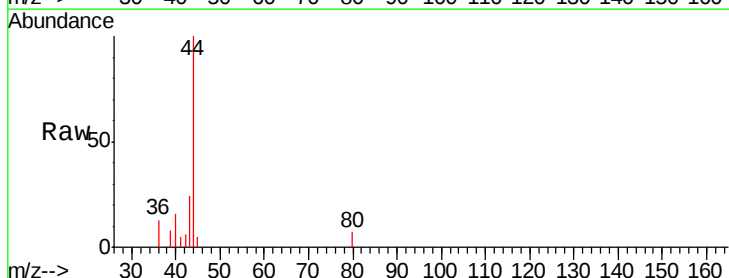
Instrument :
MSVOA_D
ClientSampleId :
VD1228SBL01

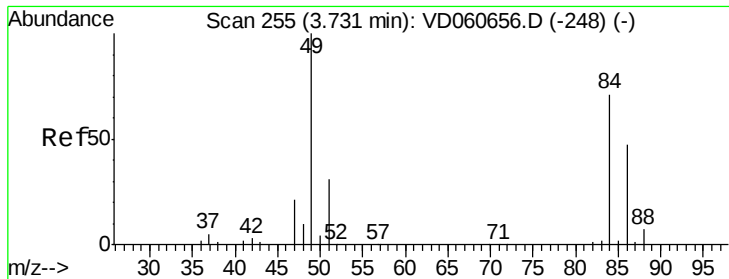
Tgt Ion: 59 Resp: 2496
Ion Ratio Lower Upper
59 100
57 0.0 7.8 11.6#



#16
Acetone
Concen: 3.152 ug/l
RT: 3.17 min Scan# 198
Delta R.T. 0.00 min
Lab File: VD060744.D
Acq: 28 Dec 2018 12:59

Tgt Ion: 43 Resp: 5635
Ion Ratio Lower Upper
43 100
58 0.0 18.2 27.2#





#20

Methylene Chloride

Concen: 1.713 ug/l

RT: 3.75 min Scan# 257

Delta R.T. 0.02 min

Lab File: VD060744.D

Acq: 28 Dec 2018 12:59

Instrument :

MSVOA_D

ClientSampleId :

VD1228SBL01

Tgt Ion: 84 Resp: 31804

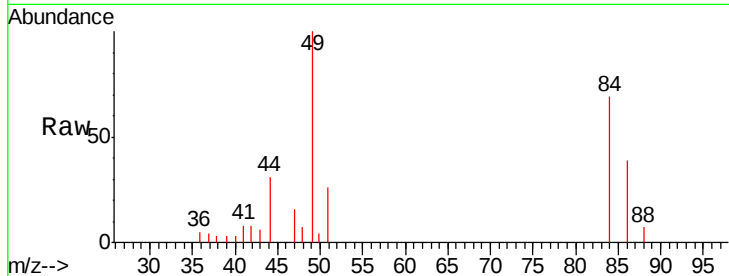
Ion Ratio Lower Upper

84 100

49 145.2 113.6 170.4

51 37.1 34.7 52.1

86 57.3 52.8 79.2

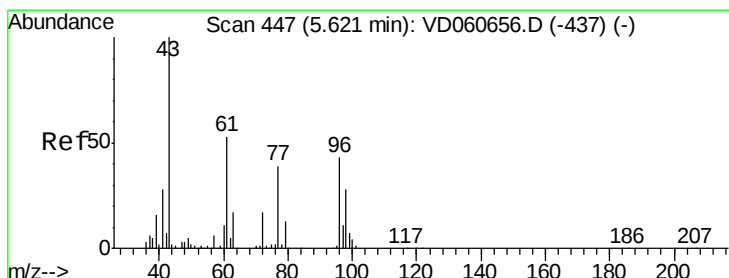
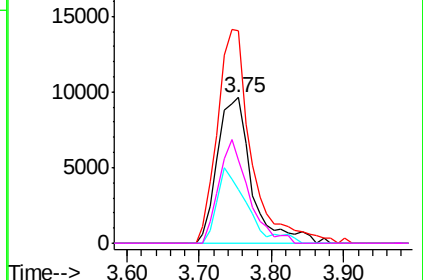
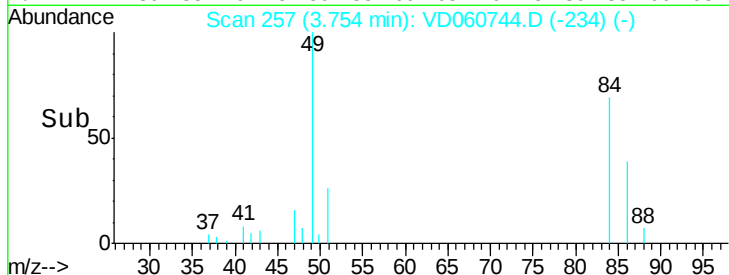


Abundance Ion 83.95 (83.65 to 84.65): VDC

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: 1.692 ug/l

RT: 5.65 min Scan# 450

Delta R.T. 0.03 min

Lab File: VD060744.D

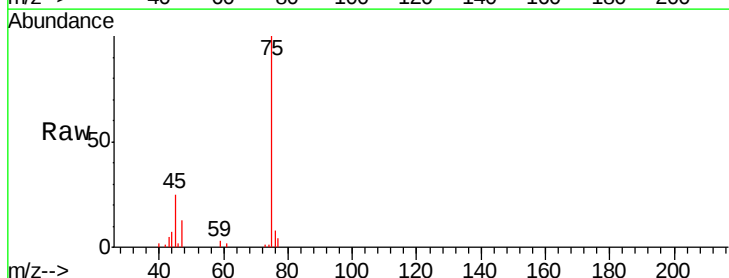
Acq: 28 Dec 2018 12:59

Tgt Ion: 43 Resp: 5789

Ion Ratio Lower Upper

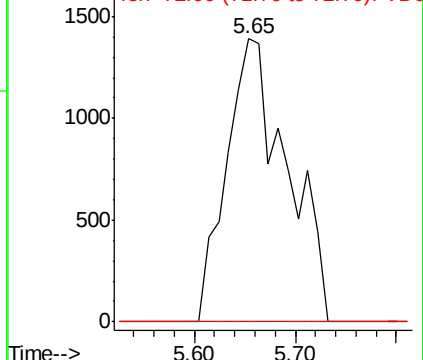
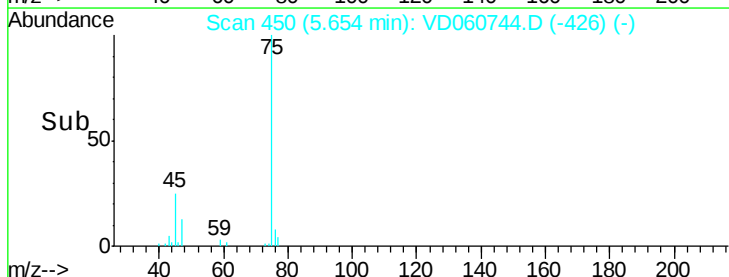
43 100

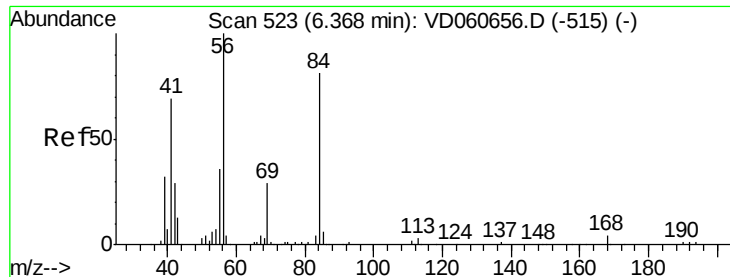
72 0.0 13.7 20.5#



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 72.00 (71.70 to 72.70): VDC

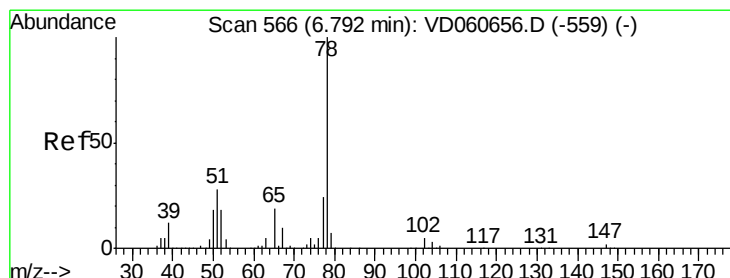
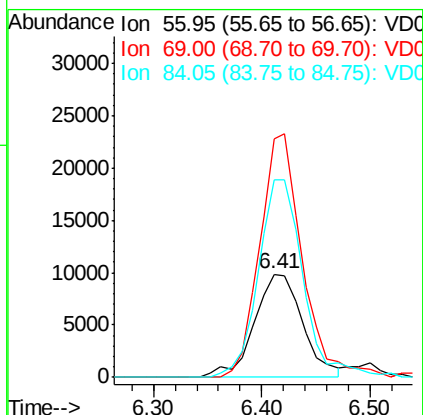
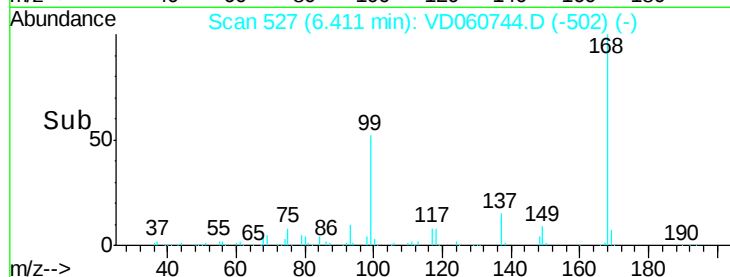
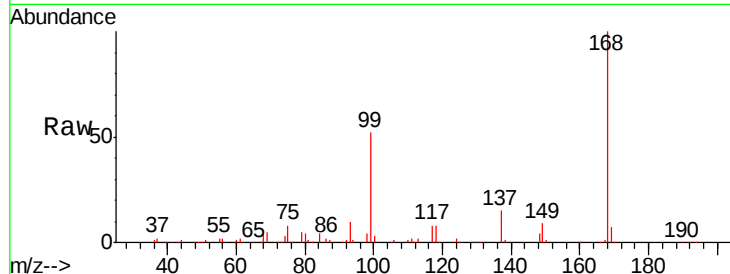




#31
Cyclohexane
Concen: 1.185 ug/l
RT: 6.41 min Scan# 527
Delta R.T. 0.04 min
Lab File: VD060744.D
Acq: 28 Dec 2018 12:59

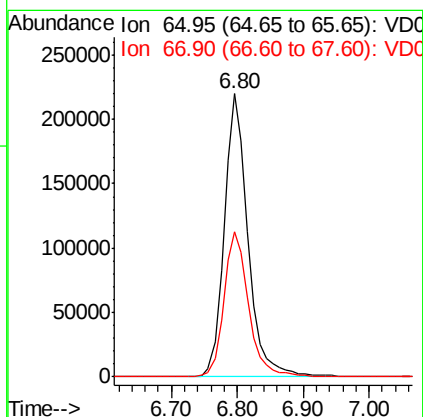
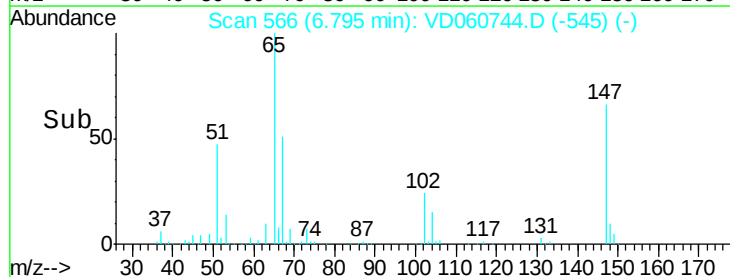
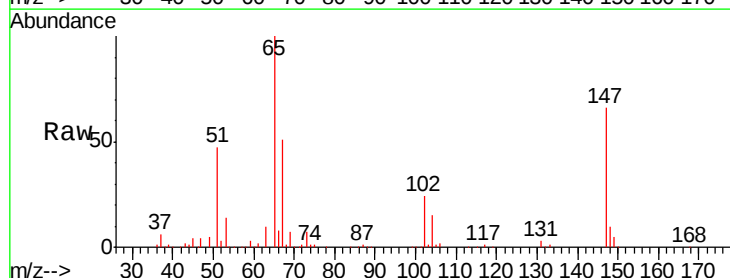
Instrument :
MSVOA_D
ClientSampleId :
VD1228SBL01

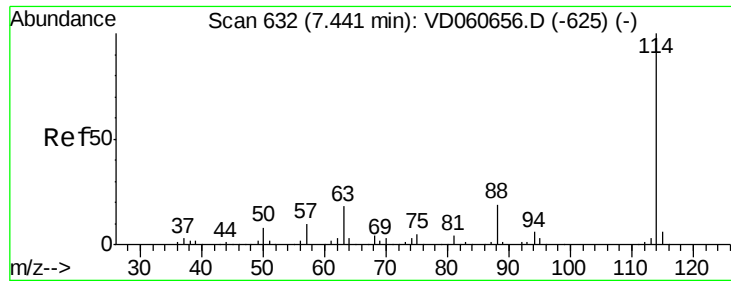
Tgt Ion: 56 Resp: 30646
Ion Ratio Lower Upper
56 100
69 231.1 23.6 35.4#
84 190.9 65.8 98.6#



#33
1,2-Dichloroethane-d4
Concen: N.D. ug/l
RT: 6.80 min Scan# 566
Delta R.T. 0.00 min
Lab File: VD060744.D
Acq: 28 Dec 2018 12:59

Tgt Ion: 65 Resp: 552238
Ion Ratio Lower Upper
65 100
67 51.3 0.0 105.4





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 7.45 min Scan# 633

Delta R.T. 0.01 min

Lab File: VD060744.D

Acq: 28 Dec 2018 12:59

Instrument :

MSVOA_D

ClientSampleId :

VD1228SBL01

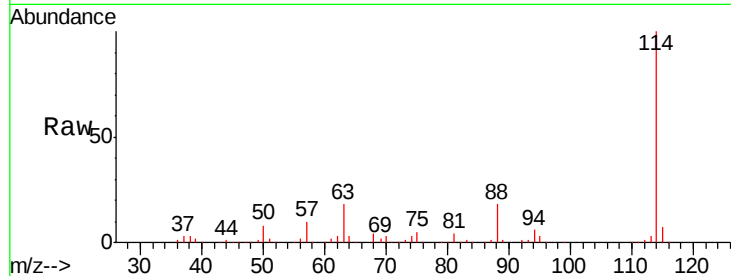
Tgt Ion:114 Resp: 2045197

Ion Ratio Lower Upper

114 100

63 17.9 0.0 36.2

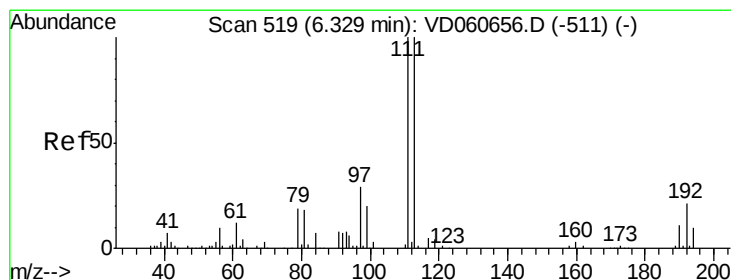
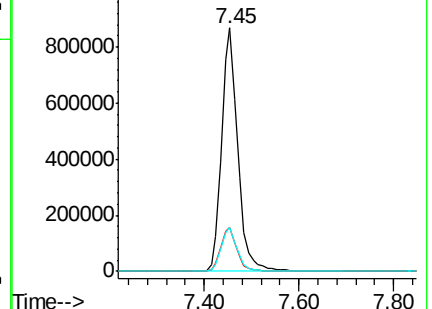
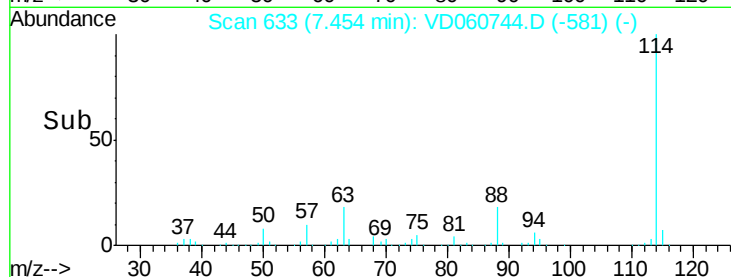
88 18.2 0.0 37.0



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: 6.33 min Scan# 519

Delta R.T. 0.00 min

Lab File: VD060744.D

Acq: 28 Dec 2018 12:59

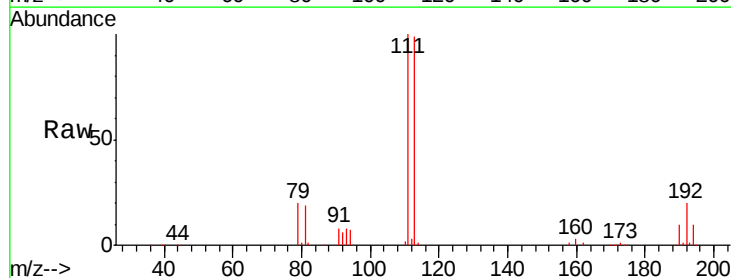
Tgt Ion:113 Resp: 781115

Ion Ratio Lower Upper

113 100

111 100.9 80.0 120.0

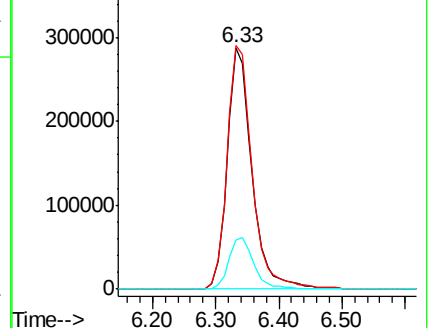
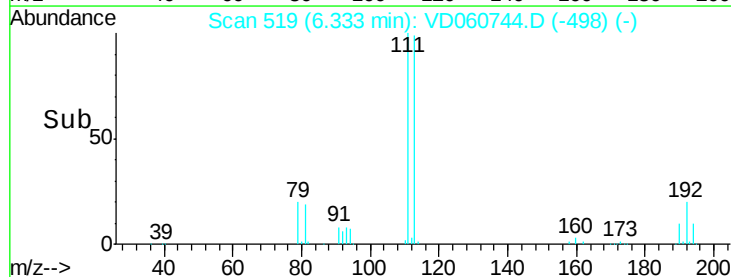
192 20.1 16.6 25.0

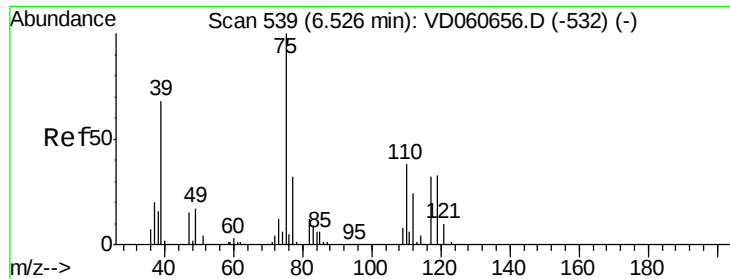


Abundance Ion 112.90 (112.60 to 113.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 191.80 (191.50 to 192.50): V

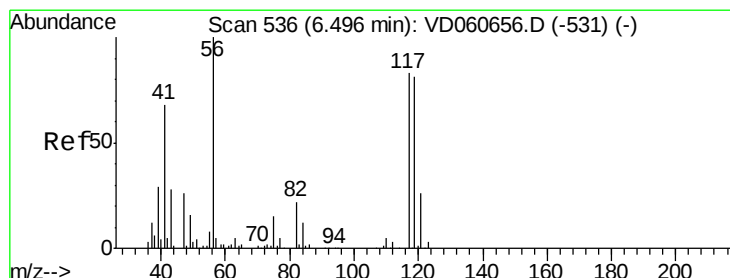
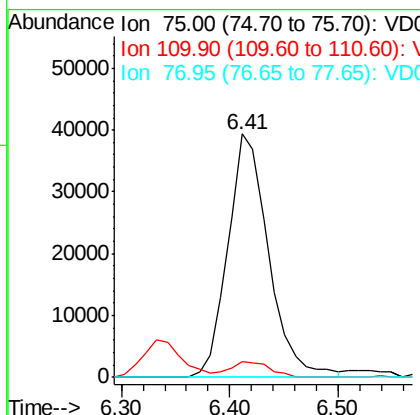
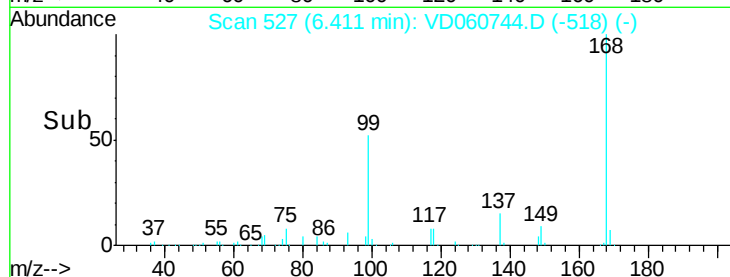
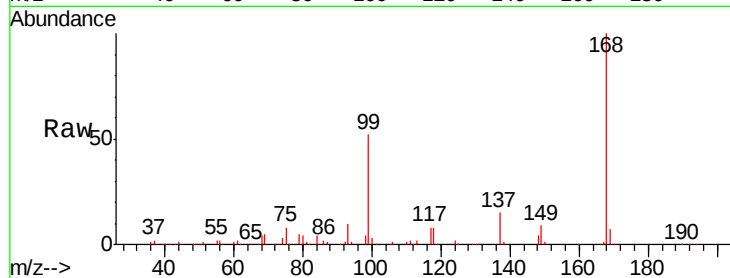




#36
 1,1-Dichloropropene
 Concen: 4.897 ug/l
 RT: 6.41 min Scan# 527
 Delta R.T. -0.11 min
 Lab File: VD060744.D
 Acq: 28 Dec 2018 12:59

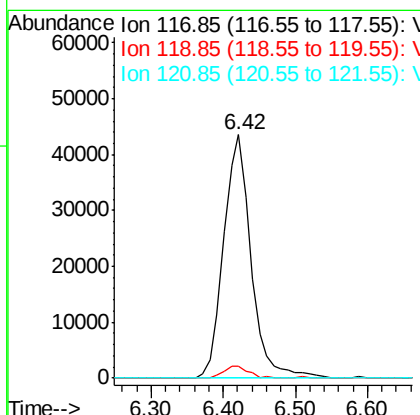
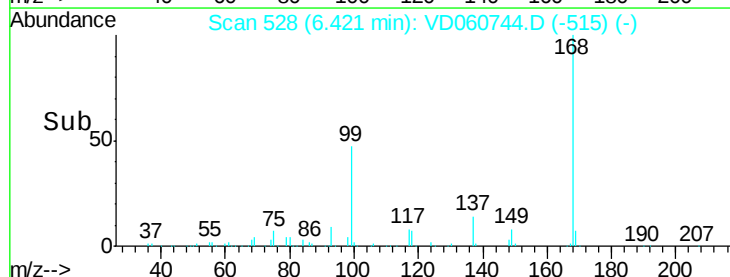
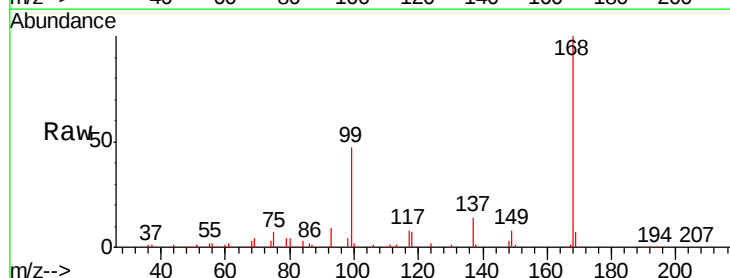
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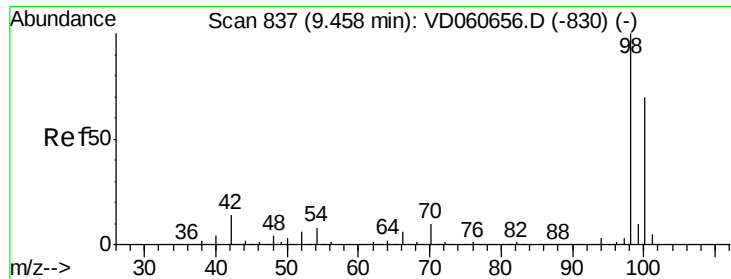
Tgt Ion: 75 Resp: 103133
 Ion Ratio Lower Upper
 75 100
 110 6.4 18.9 56.7#
 77 0.0 25.4 38.0#



#38
 Carbon Tetrachloride
 Concen: 6.179 ug/l
 RT: 6.42 min Scan# 528
 Delta R.T. -0.08 min
 Lab File: VD060744.D
 Acq: 28 Dec 2018 12:59

Tgt Ion: 117 Resp: 114797
 Ion Ratio Lower Upper
 117 100
 119 4.9 77.0 115.4#
 121 0.0 24.7 37.1#

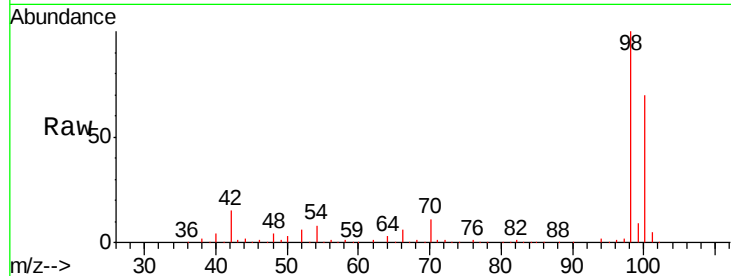




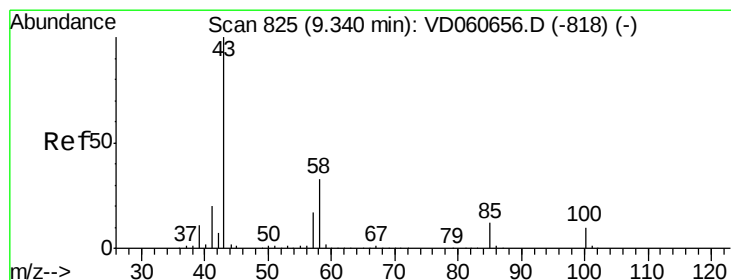
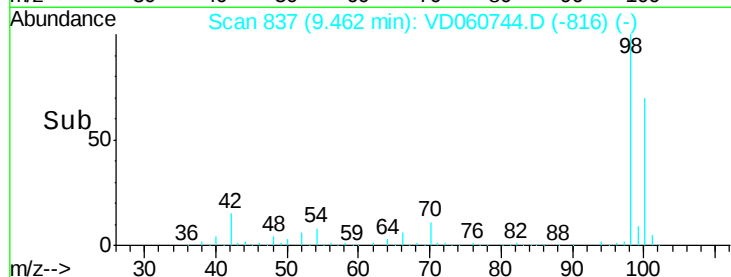
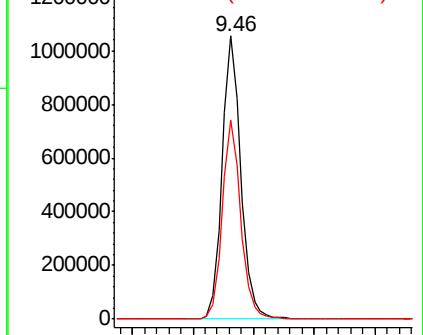
#50
Toluene-d8
Concen: N.D. ug/l
RT: 9.46 min Scan# 837
Delta R.T. 0.00 min
Lab File: VD060744.D
Acq: 28 Dec 2018 12:59

Instrument :
MSVOA_D
ClientSampleId :
VD1228SBL01

Tgt Ion: 98 Resp: 2266380
Ion Ratio Lower Upper
98 100
100 70.1 55.8 83.8

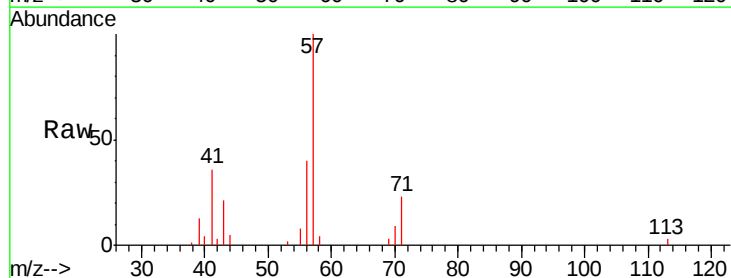


Abundance Ion 98.05 (97.75 to 98.75): VDC
Ion 100.05 (99.75 to 100.75): VDC

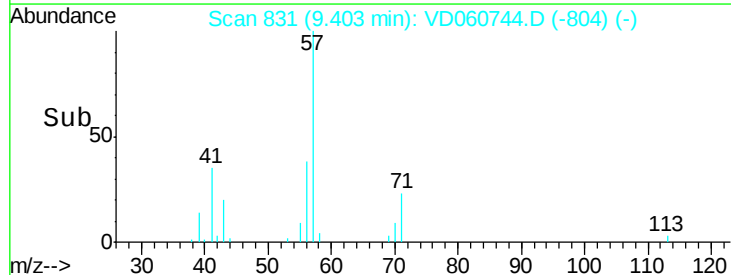
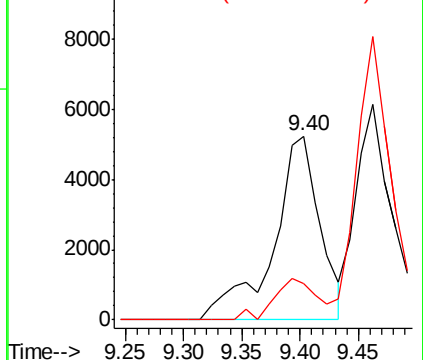


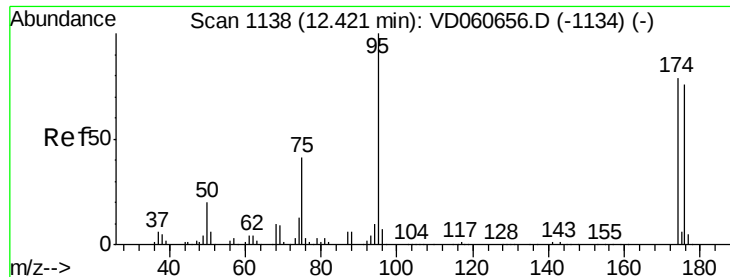
#51
4-Methyl-2-Pentanone
Concen: 2.096 ug/l
RT: 9.40 min Scan# 831
Delta R.T. 0.06 min
Lab File: VD060744.D
Acq: 28 Dec 2018 12:59

Tgt Ion: 43 Resp: 14512
Ion Ratio Lower Upper
43 100
58 19.7 26.3 39.5#



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





#62

4-Bromofluorobenzene

Concen: Below ug/l

RT: 12.43 min Scan# 1139

Delta R.T. 0.01 min

Lab File: VD060744.D

Acq: 28 Dec 2018 12:59

Instrument :

MSVOA_D

ClientSampleId :

VD1228SBL01

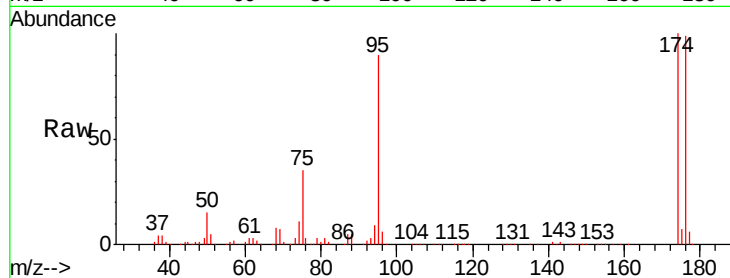
Tgt Ion: 95 Resp: 808112

Ion Ratio Lower Upper

95 100

174 110.6 0.0 158.2

176 109.5 0.0 152.4



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

800000

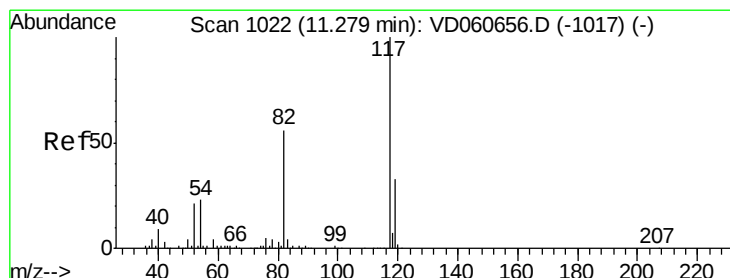
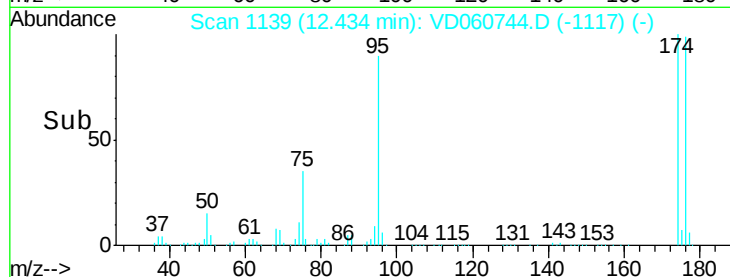
600000

400000

200000

0

Time--> 12.30 12.40 12.50 12.60



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.28 min Scan# 1022

Delta R.T. 0.00 min

Lab File: VD060744.D

Acq: 28 Dec 2018 12:59

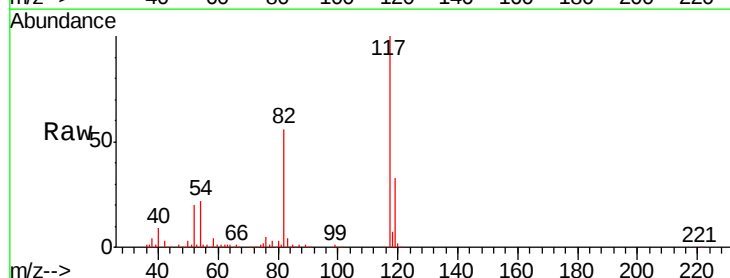
Tgt Ion: 117 Resp: 1717218

Ion Ratio Lower Upper

117 100

82 55.7 44.5 66.7

119 32.8 26.3 39.5



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

1200000

1000000

800000

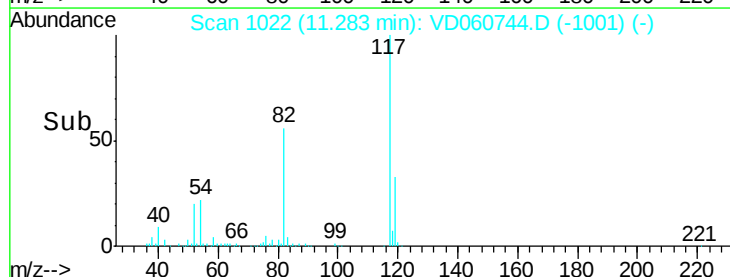
600000

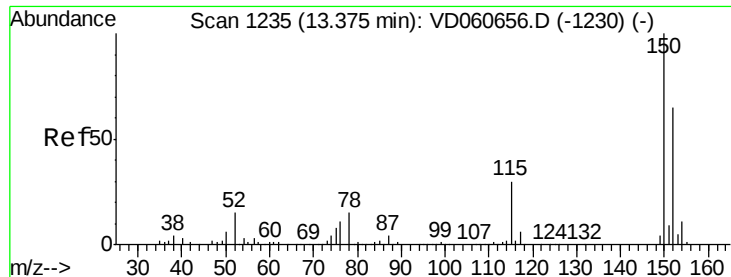
400000

200000

0

Time--> 11.20 11.30 11.40





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.38 min Scan# 1235

Delta R.T. 0.00 min

Lab File: VD060744.D

Acq: 28 Dec 2018 12:59

Instrument :

MSVOA_D

ClientSampleId :

VD1228SBL01

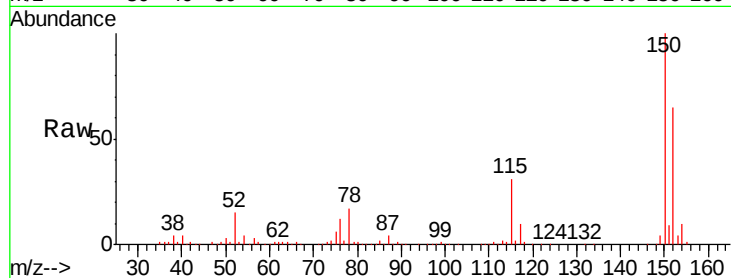
Tgt Ion:152 Resp: 891412

Ion Ratio Lower Upper

152 100

115 47.7 24.1 72.3

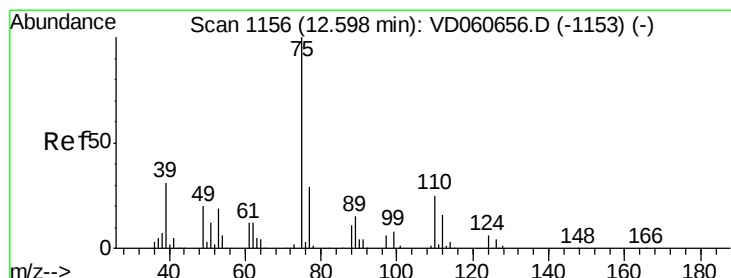
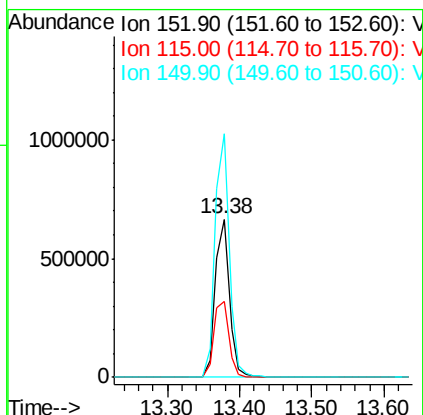
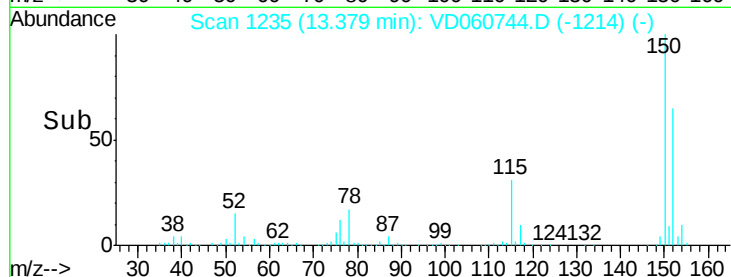
150 154.0 0.0 315.0



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: 28.961 ug/l

RT: 12.42 min Scan# 1138

Delta R.T. -0.17 min

Lab File: VD060744.D

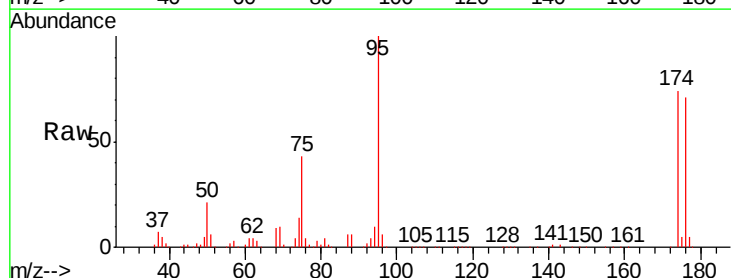
Acq: 28 Dec 2018 12:59

Tgt Ion: 75 Resp: 293914

Ion Ratio Lower Upper

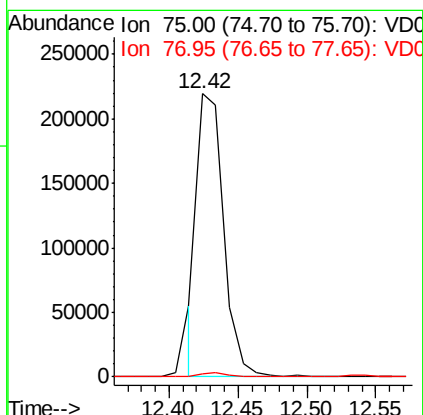
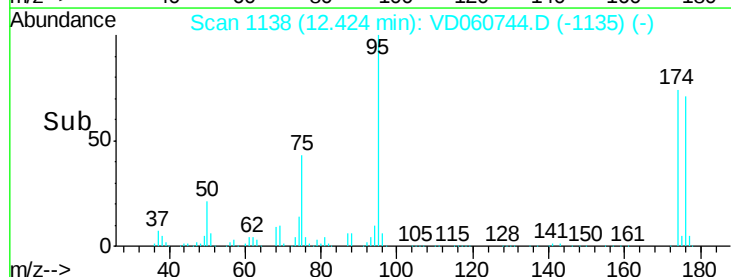
75 100

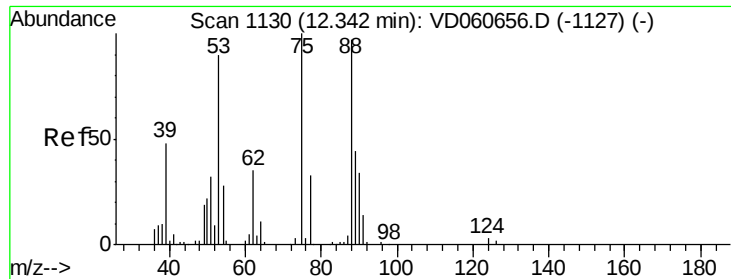
77 1.3 16.7 50.0#



Abundance Ion 75.00 (74.70 to 75.70): V

Ion 76.95 (76.65 to 77.65): V





#81

trans-1,4-Dichloro-2-butene

Concen: 117.683 ug/l

RT: 12.42 min Scan# 1138

Delta R.T. 0.08 min

Lab File: VD060744.D

Acq: 28 Dec 2018 12:59

Instrument :

MSVOA_D

ClientSampleId :

VD1228SBL01

Tgt Ion: 75 Resp: 330019

Ion Ratio Lower Upper

75 100

53 0.0 72.1 108.1#

89 0.0 35.1 52.7#

