

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_D\DATA\VD122718\
 Data File : VD060726.D
 Acq On : 27 Dec 2018 15:07
 Operator : VA/AP
 Sample : J6446-09RE
 Misc : 3.27g/5ml/MSVOA_D/SOIL
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 P001-SS021-0612-01RE

Quant Time: Dec 28 01:37:05 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	6.38	168	808708	50.00	ug/l	-0.03
34) 1,4-Difluorobenzene	7.41	114	975591	50.00	ug/l	-0.03
63) Chlorobenzene-d5	11.26	117	453757	50.00	ug/l	-0.02
72) 1,4-Dichlorobenzene-d4	13.36	152	95702	50.00	ug/l	-0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.75	65	299576	53.60	ug/l	-0.04
Spiked Amount			Recovery	=	107.20%	
35) Dibromofluoromethane	6.29	113	394350	55.23	ug/l	-0.04
Spiked Amount			Recovery	=	110.46%	
50) Toluene-d8	9.43	98	791751	37.16	ug/l	-0.03
Spiked Amount			Recovery	=	74.32%	
62) 4-Bromofluorobenzene	12.41	95	117545	15.75	ug/l	-0.01
Spiked Amount			Recovery	=	31.50%	

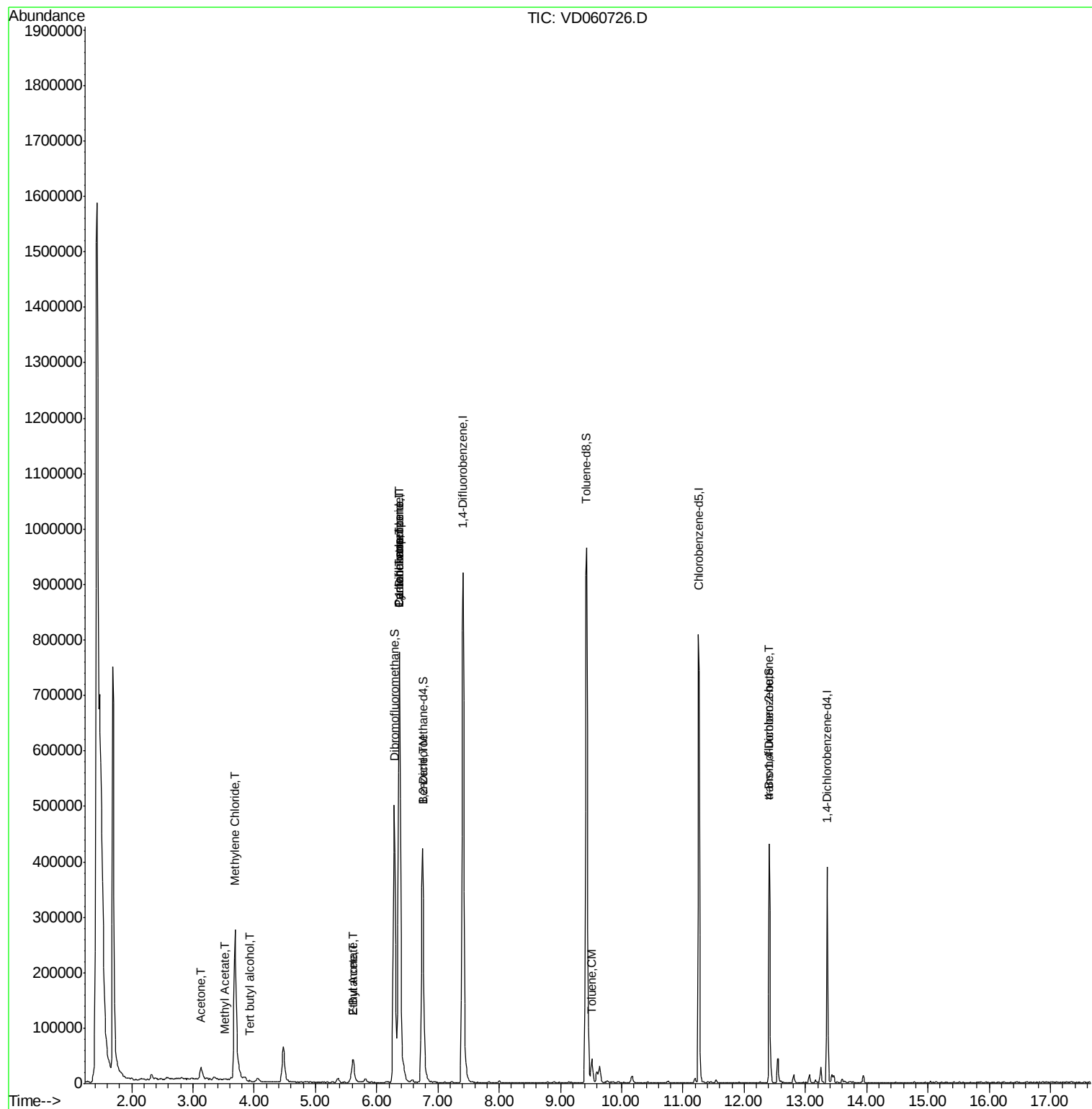
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	3.93	59	491	2.102	ug/l #	74
16) Acetone	3.13	43	47589	48.759	ug/l	91
18) Methyl Acetate	3.52	43	4445	1.838	ug/l #	63
20) Methylene Chloride	3.69	84	175454	17.310	ug/l	96
25) 2-Butanone	5.60	43	9760	5.226	ug/l #	61
31) Cyclohexane	6.37	56	16160	1.145	ug/l #	1
36) 1,1-Dichloropropene	6.37	75	55072	5.482	ug/l #	47
37) Ethyl Acetate	5.60	43	9760	2.323	ug/l #	69
38) Carbon Tetrachloride	6.37	117	58639	6.616	ug/l #	16
40) Benzene	6.76	78	62317	2.401	ug/l	98
52) Toluene	9.51	92	22586	1.388	ug/l	87
81) trans-1,4-Dichloro-2-buten	12.41	75	47186	156.728	ug/l #	13

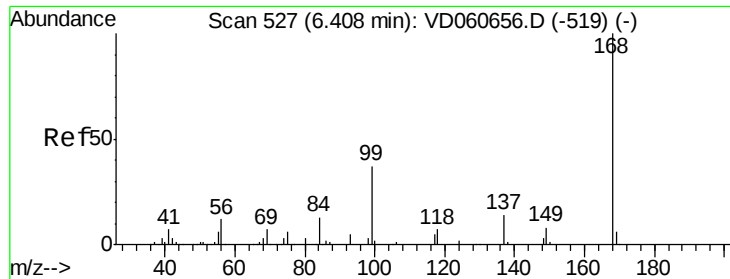
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_D\DATA\VD122718\
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Quant Title : SW846 8260
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Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 6.38 min Scan# 523

Delta R.T. -0.03 min

Lab File: VD060726.D

Acq: 27 Dec 2018 15:07

Instrument :

MSVOA_D

ClientSampleId :

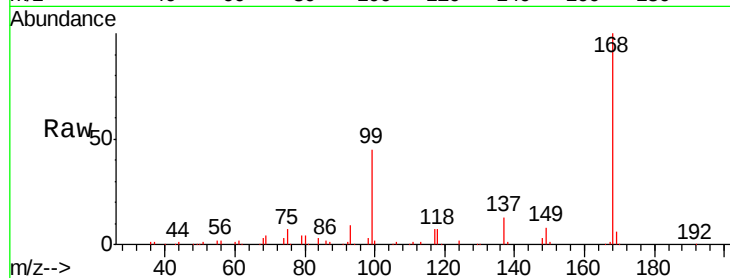
P001-SS021-0612-01RE

Tgt Ion:168 Resp: 808708

Ion Ratio Lower Upper

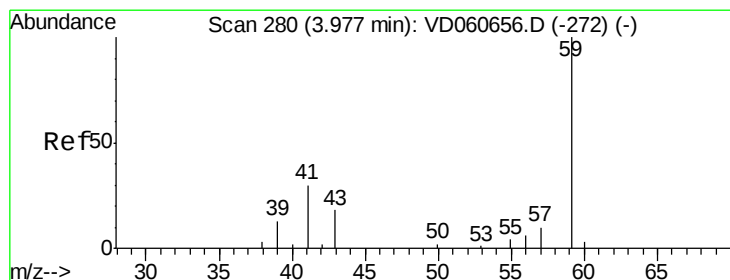
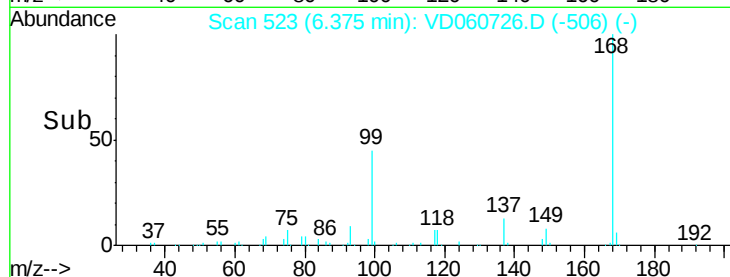
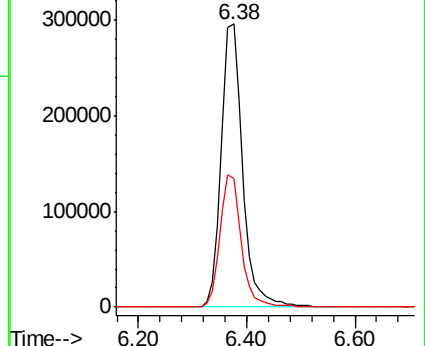
168 100

99 45.2 38.7 58.1



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC



#11

Tert butyl alcohol

Concen: 2.102 ug/l

RT: 3.93 min Scan# 274

Delta R.T. -0.05 min

Lab File: VD060726.D

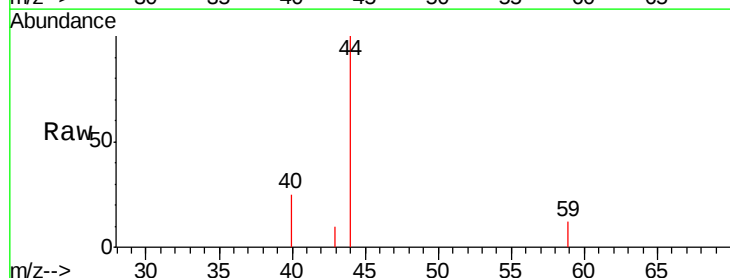
Acq: 27 Dec 2018 15:07

Tgt Ion: 59 Resp: 491

Ion Ratio Lower Upper

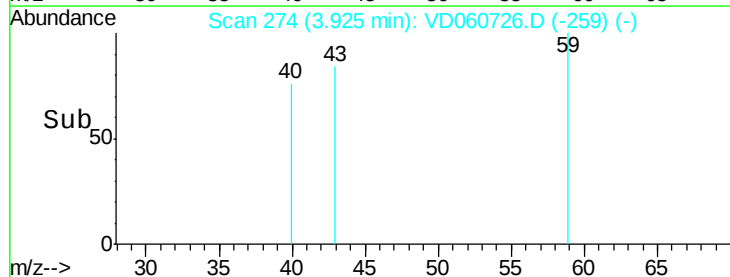
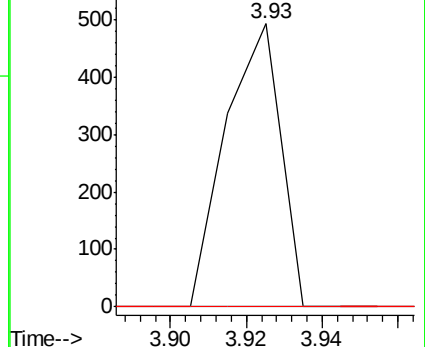
59 100

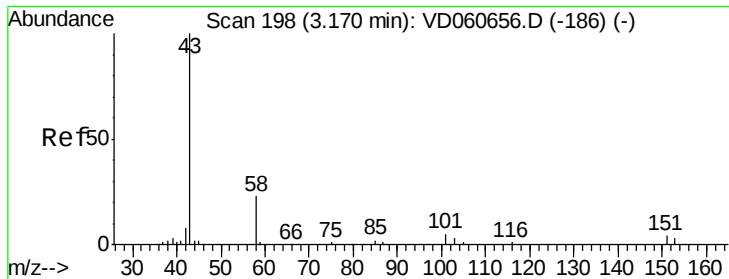
57 0.0 7.8 11.6#



Abundance Ion 58.95 (58.65 to 59.65): VDC

Ion 56.95 (56.65 to 57.65): VDC





#16

Acetone

Concen: 48.759 ug/l

RT: 3.13 min Scan# 193

Delta R.T. -0.04 min

Lab File: VD060726.D

Acq: 27 Dec 2018 15:07

Instrument :

MSVOA_D

ClientSampleId :

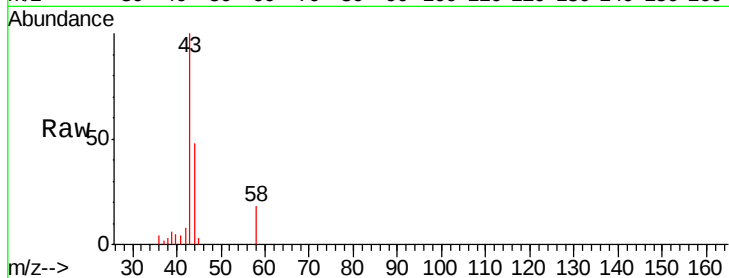
P001-SS021-0612-01RE

Tgt Ion: 43 Resp: 47589

Ion Ratio Lower Upper

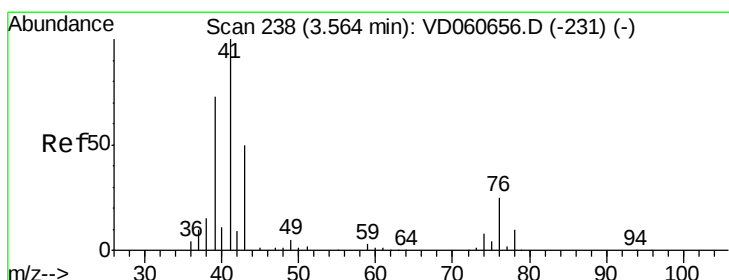
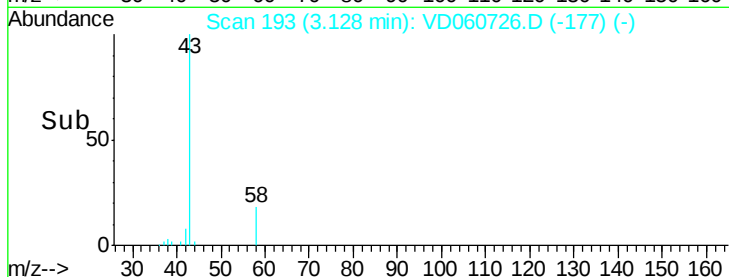
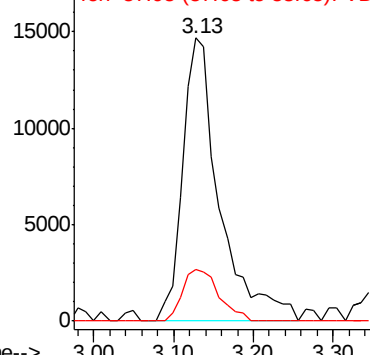
43 100

58 18.3 18.2 27.2



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC



#18

Methyl Acetate

Concen: 1.838 ug/l

RT: 3.52 min Scan# 233

Delta R.T. -0.04 min

Lab File: VD060726.D

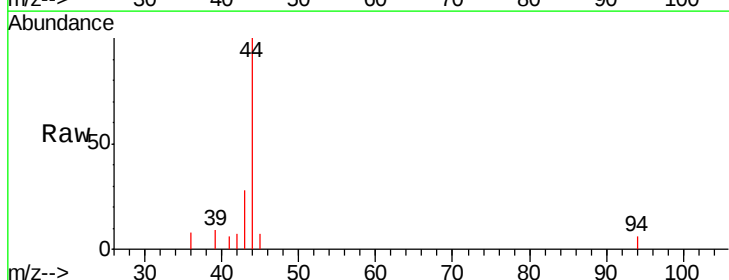
Acq: 27 Dec 2018 15:07

Tgt Ion: 43 Resp: 4445

Ion Ratio Lower Upper

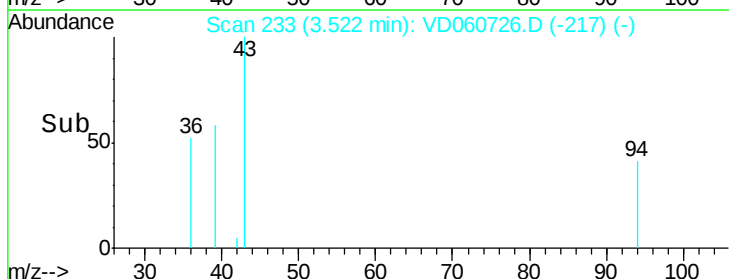
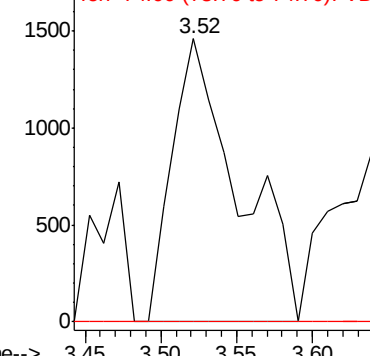
43 100

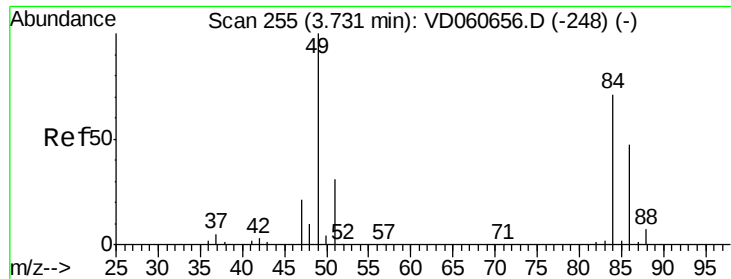
74 0.0 12.4 18.6#



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 74.00 (73.70 to 74.70): VDC

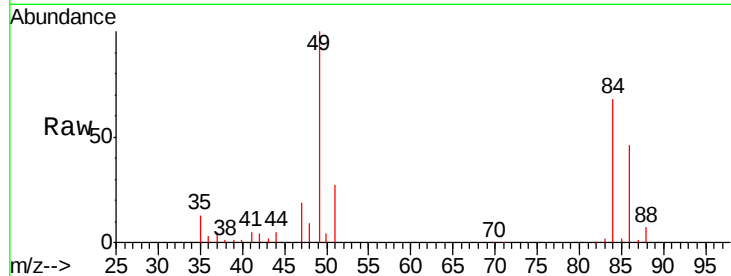




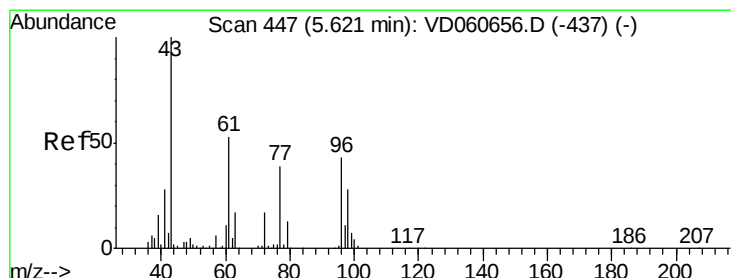
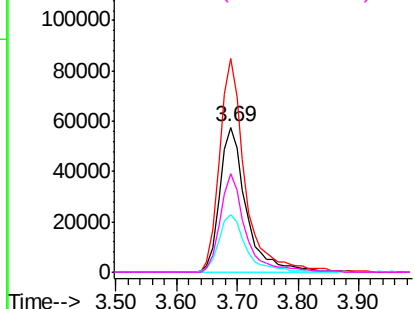
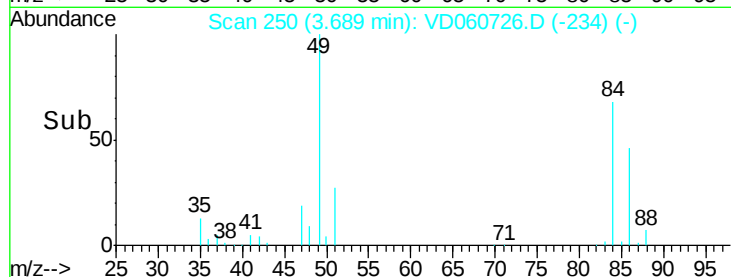
#20
Methylene Chloride
Concen: 17.310 ug/l
RT: 3.69 min Scan# 250
Delta R.T. -0.04 min
Lab File: VD060726.D
Acq: 27 Dec 2018 15:07

Instrument :
MSVOA_D
ClientSampleId :
P001-SS021-0612-01RE

Tgt Ion: 84 Resp: 175454
Ion Ratio Lower Upper
84 100
49 147.5 113.6 170.4
51 39.5 34.7 52.1
86 68.4 52.8 79.2

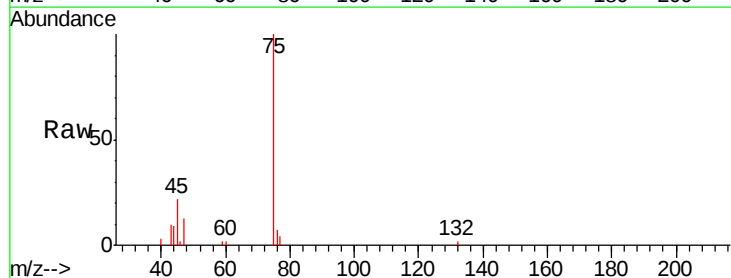


Abundance Ion 83.95 (83.65 to 84.65): VDC
Ion 48.90 (48.60 to 49.60): VDC
Ion 50.90 (50.60 to 51.60): VDC
Ion 85.90 (85.60 to 86.60): VDC

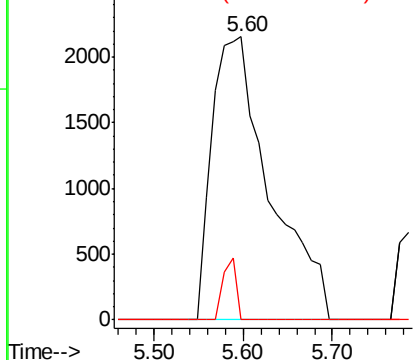
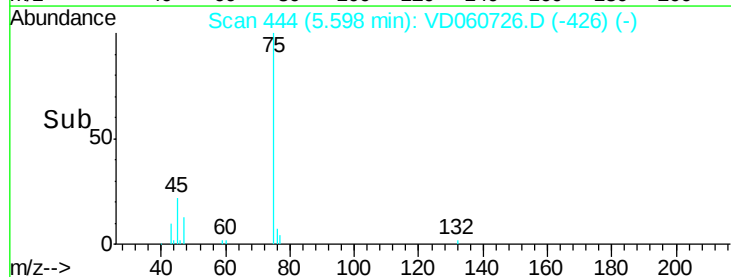


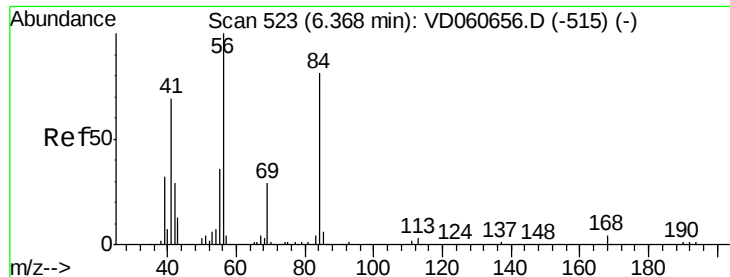
#25
2-Butanone
Concen: 5.226 ug/l
RT: 5.60 min Scan# 444
Delta R.T. -0.02 min
Lab File: VD060726.D
Acq: 27 Dec 2018 15:07

Tgt Ion: 43 Resp: 9760
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

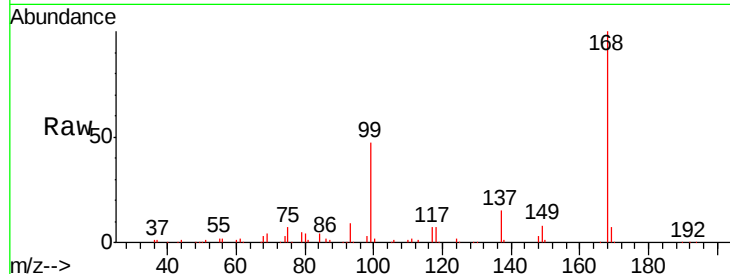




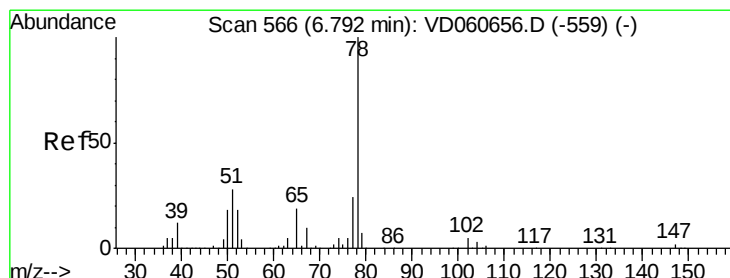
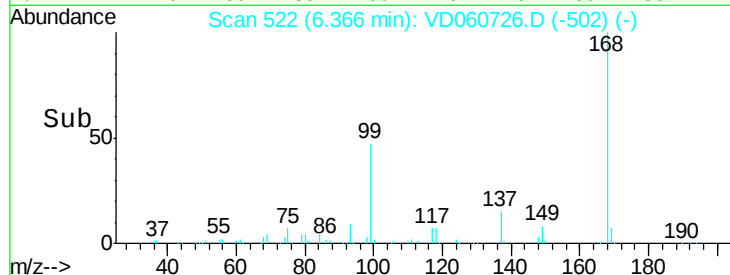
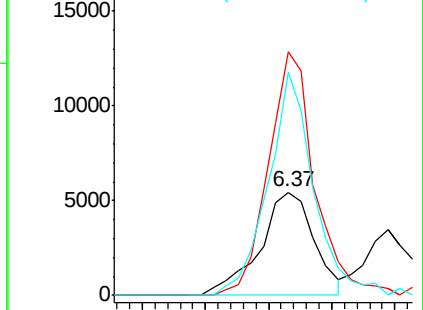
#31
Cyclohexane
Concen: 1.145 ug/l
RT: 6.37 min Scan# 522
Delta R.T. -0.00 min
Lab File: VD060726.D
Acq: 27 Dec 2018 15:07

Instrument :
MSVOA_D
ClientSampleId :
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Tgt Ion: 56 Resp: 16160
Ion Ratio Lower Upper
56 100
69 236.4 23.6 35.4#
84 216.1 65.8 98.6#

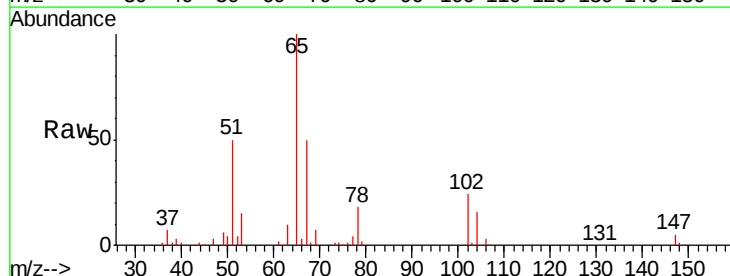


Abundance Ion 55.95 (55.65 to 56.65): VDC
Ion 69.00 (68.70 to 69.70): VDC
Ion 84.05 (83.75 to 84.75): VDC

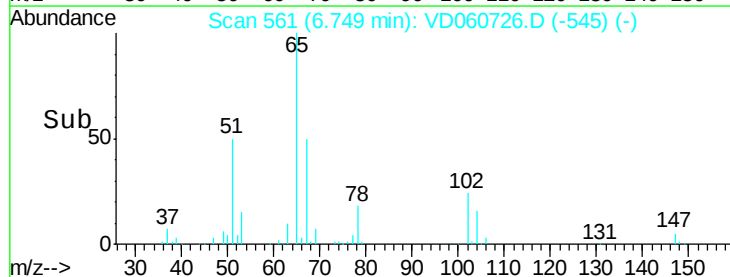
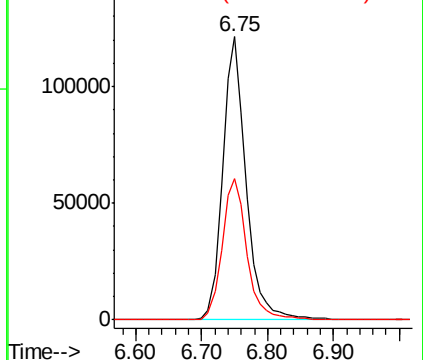


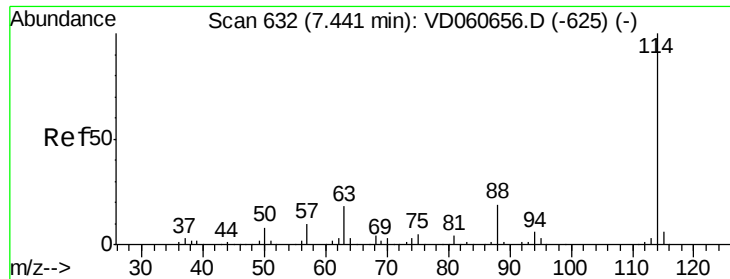
#33
1,2-Dichloroethane-d4
Concen: N.D. ug/l
RT: 6.75 min Scan# 561
Delta R.T. -0.04 min
Lab File: VD060726.D
Acq: 27 Dec 2018 15:07

Tgt Ion: 65 Resp: 299576
Ion Ratio Lower Upper
65 100
67 50.0 0.0 105.4



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: 7.41 min Scan# 628

Delta R.T. -0.03 min

Lab File: VD060726.D

Acq: 27 Dec 2018 15:07

Instrument :

MSVOA_D

ClientSampleId :

P001-SS021-0612-01RE

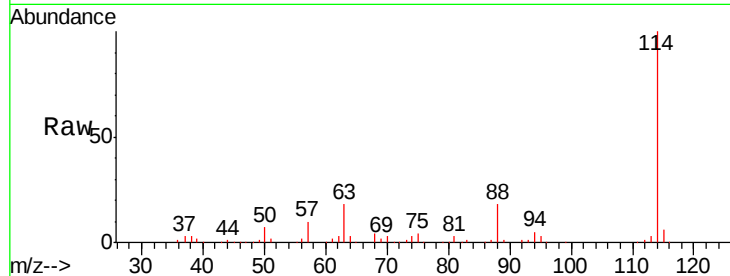
Tgt Ion:114 Resp: 975591

Ion Ratio Lower Upper

114 100

63 17.7 0.0 36.2

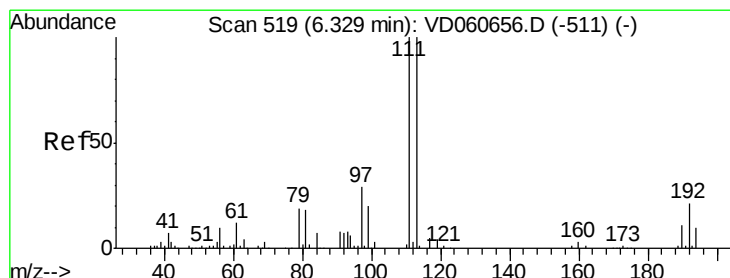
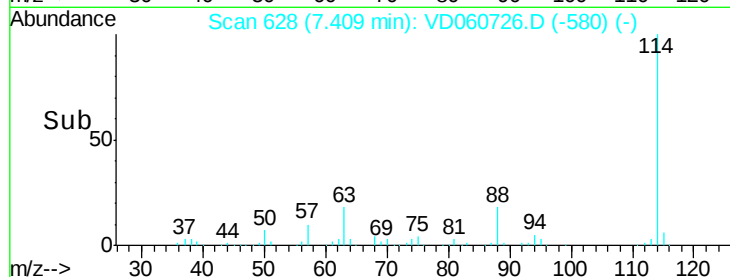
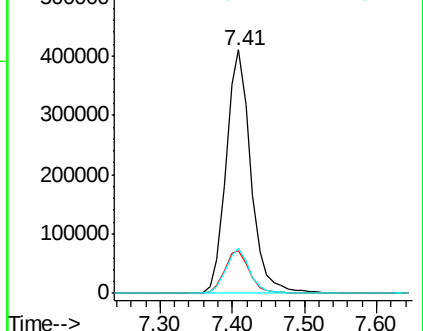
88 18.4 0.0 37.0



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: 6.29 min Scan# 514

Delta R.T. -0.04 min

Lab File: VD060726.D

Acq: 27 Dec 2018 15:07

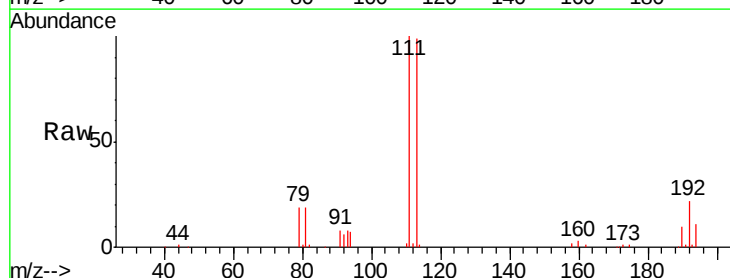
Tgt Ion:113 Resp: 394350

Ion Ratio Lower Upper

113 100

111 101.1 80.0 120.0

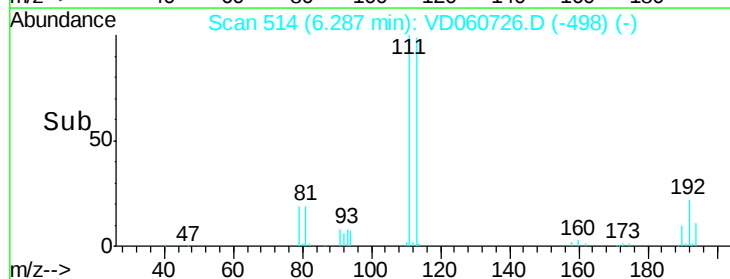
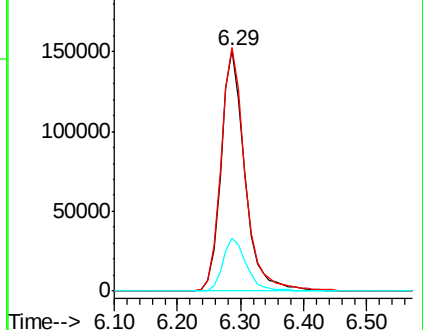
192 22.2 16.6 25.0

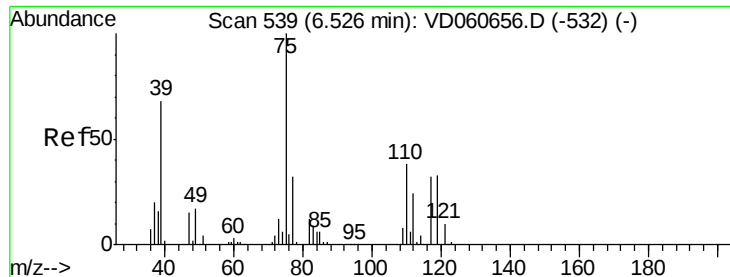


Abundance Ion 112.90 (112.60 to 113.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 191.80 (191.50 to 192.50): V





#36

1,1-Dichloropropene

Concen: 5.482 ug/l

RT: 6.37 min Scan# 522

Delta R.T. -0.16 min

Lab File: VD060726.D

Acq: 27 Dec 2018 15:07

Instrument :

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ClientSampleId :

P001-SS021-0612-01RE

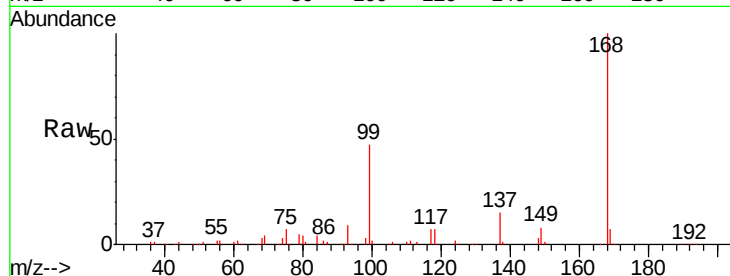
Tgt Ion: 75 Resp: 55072

Ion Ratio Lower Upper

75 100

110 7.9 18.9 56.7#

77 0.0 25.4 38.0#



Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 109.90 (109.60 to 110.60): VDC

Ion 76.95 (76.65 to 77.65): VDC

6.37

25000

20000

15000

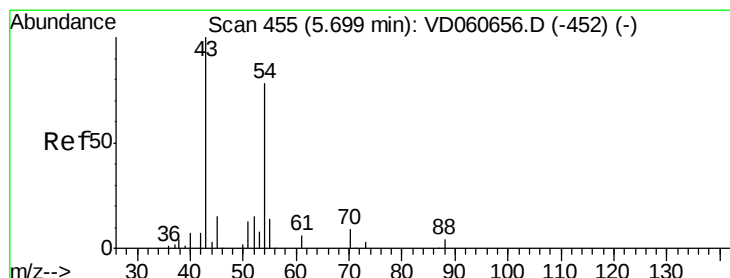
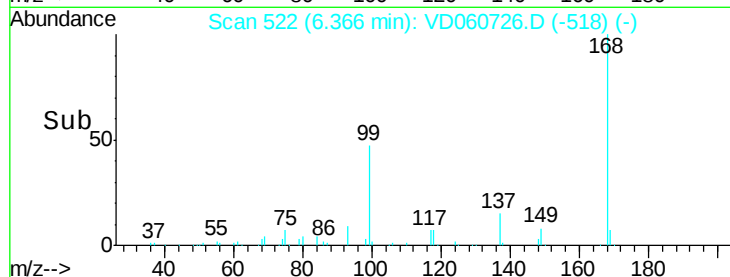
10000

5000

0

6.30 6.40 6.50

Time-->



#37

Ethyl Acetate

Concen: 2.323 ug/l

RT: 5.60 min Scan# 444

Delta R.T. -0.10 min

Lab File: VD060726.D

Acq: 27 Dec 2018 15:07

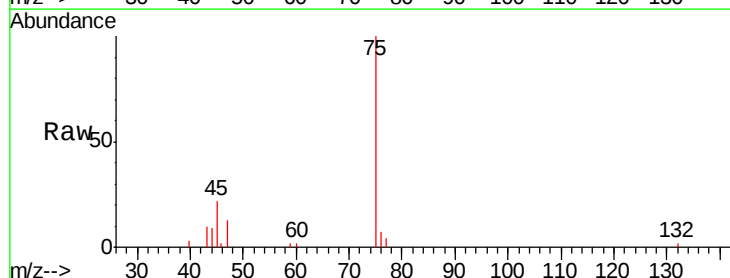
Tgt Ion: 43 Resp: 9760

Ion Ratio Lower Upper

43 100

61 0.0 11.8 17.6#

70 0.0 5.8 8.6#



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 60.95 (60.65 to 61.65): VDC

Ion 70.00 (69.70 to 70.70): VDC

5.60

3000

2500

2000

1500

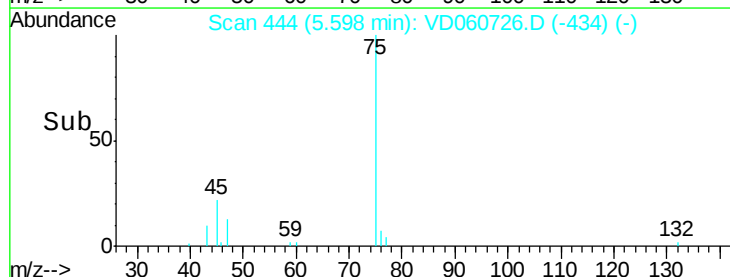
1000

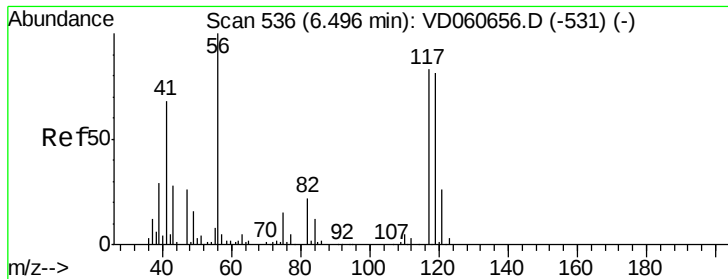
500

0

5.50 5.60 5.70

Time-->

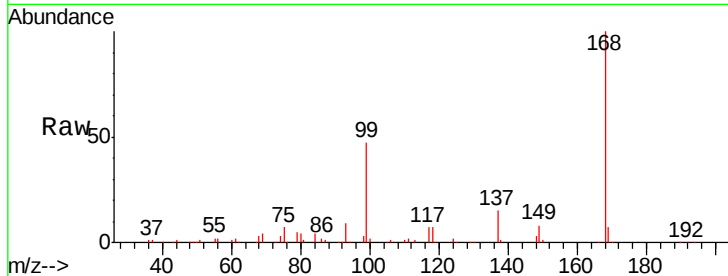




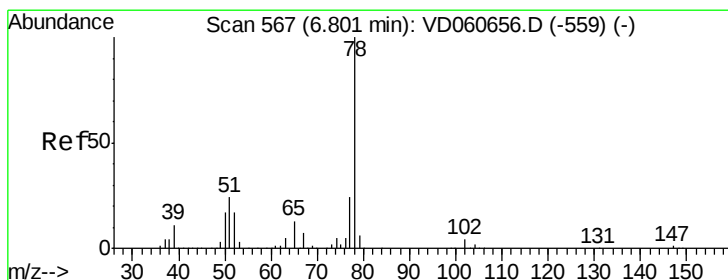
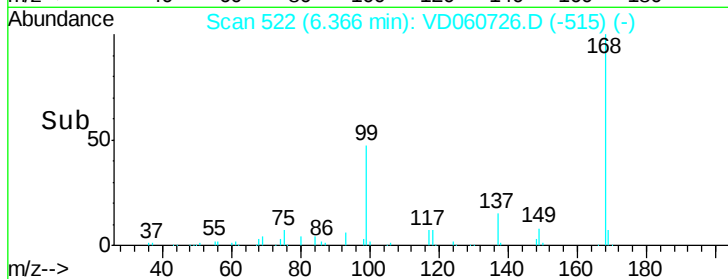
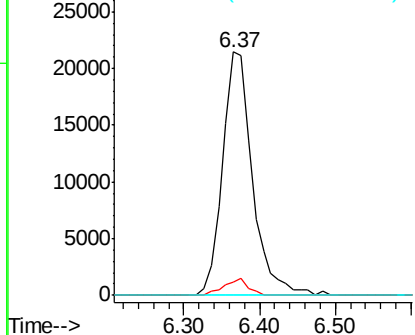
#38
Carbon Tetrachloride
Concen: 6.616 ug/l
RT: 6.37 min Scan# 522
Delta R.T. -0.13 min
Lab File: VD060726.D
Acq: 27 Dec 2018 15:07

Instrument :
MSVOA_D
ClientSampleId :
P001-SS021-0612-01RE

Tgt Ion:117 Resp: 58639
Ion Ratio Lower Upper
117 100
119 5.5 77.0 115.4#
121 0.0 24.7 37.1#

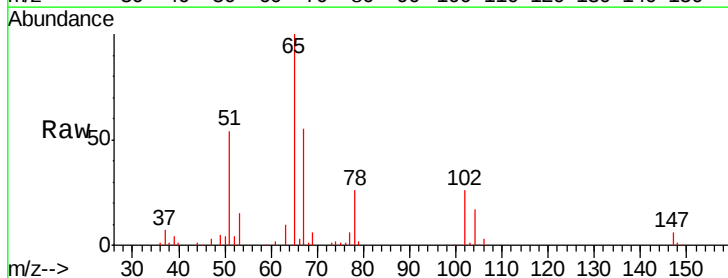


Abundance Ion 116.85 (116.55 to 117.55): V
Ion 118.85 (118.55 to 119.55): V
Ion 120.85 (120.55 to 121.55): V

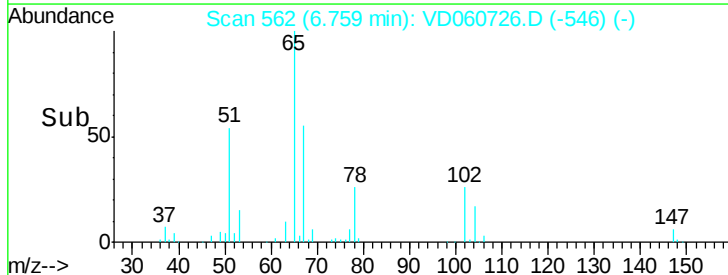
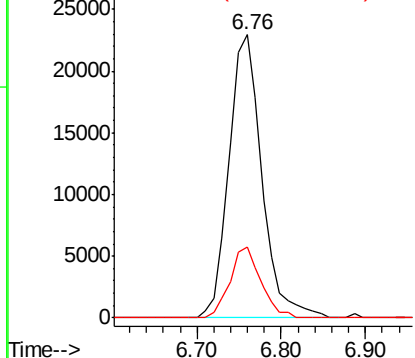


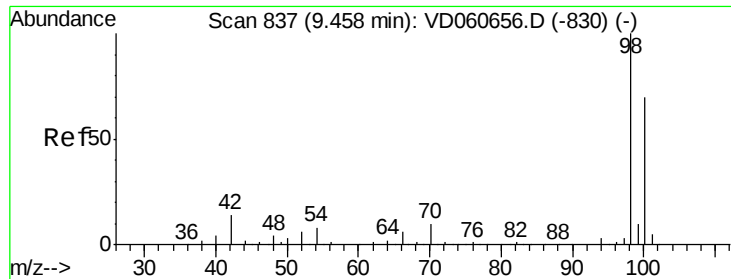
#40
Benzene
Concen: 2.401 ug/l
RT: 6.76 min Scan# 562
Delta R.T. -0.04 min
Lab File: VD060726.D
Acq: 27 Dec 2018 15:07

Tgt Ion: 78 Resp: 62317
Ion Ratio Lower Upper
78 100
77 24.9 19.2 28.8



Abundance Ion 77.95 (77.65 to 78.65): V
Ion 76.95 (76.65 to 77.65): V

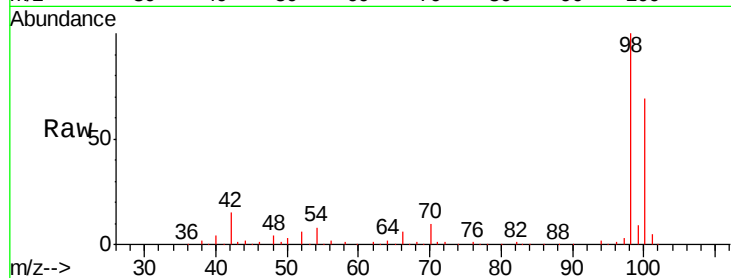




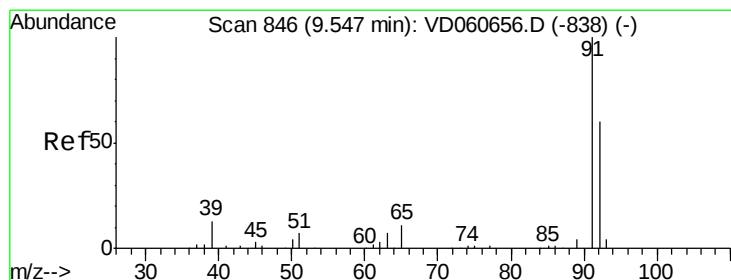
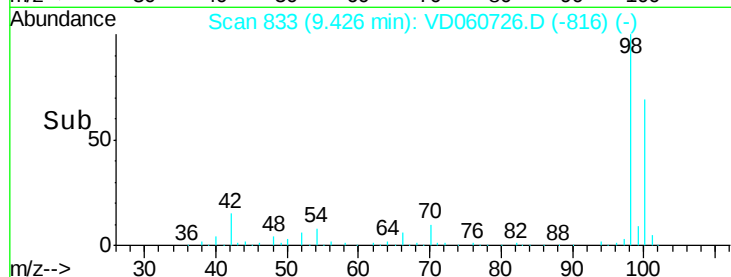
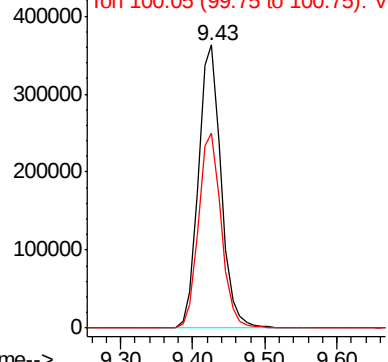
#50
Toluene-d8
Concen: N.D. ug/l
RT: 9.43 min Scan# 833
Delta R.T. -0.03 min
Lab File: VD060726.D
Acq: 27 Dec 2018 15:07

Instrument :
MSVOA_D
ClientSampleId :
P001-SS021-0612-01RE

Tgt Ion: 98 Resp: 791751
Ion Ratio Lower Upper
98 100
100 68.7 55.8 83.8

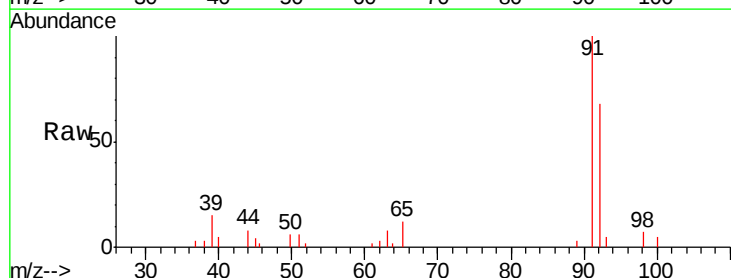


Abundance Ion 98.05 (97.75 to 98.75): VDC
Ion 100.05 (99.75 to 100.75): VDC

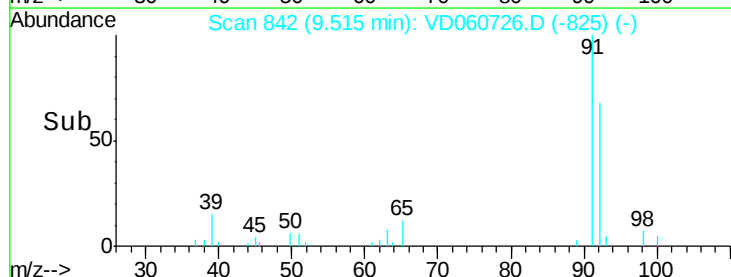
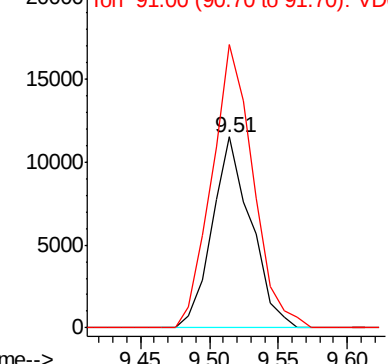


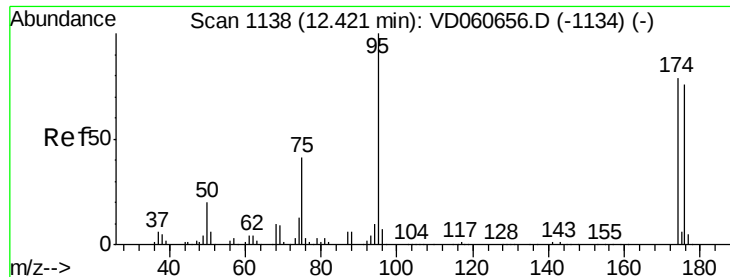
#52
Toluene
Concen: 1.388 ug/l
RT: 9.51 min Scan# 842
Delta R.T. -0.03 min
Lab File: VD060726.D
Acq: 27 Dec 2018 15:07

Tgt Ion: 92 Resp: 22586
Ion Ratio Lower Upper
92 100
91 148.1 132.6 199.0



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: 12.41 min Scan# 1136

Delta R.T. -0.01 min

Lab File: VD060726.D

Acq: 27 Dec 2018 15:07

Instrument :

MSVOA_D

ClientSampleId :

P001-SS021-0612-01RE

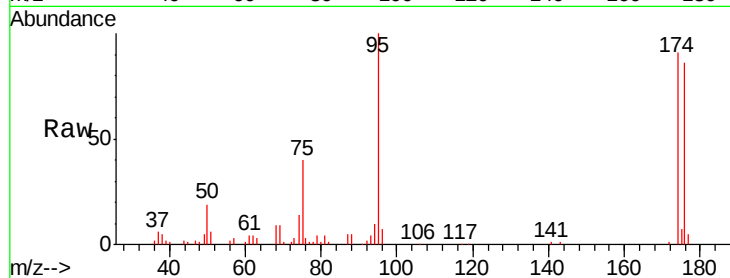
Tgt Ion: 95 Resp: 117545

Ion Ratio Lower Upper

95 100

174 90.9 0.0 158.2

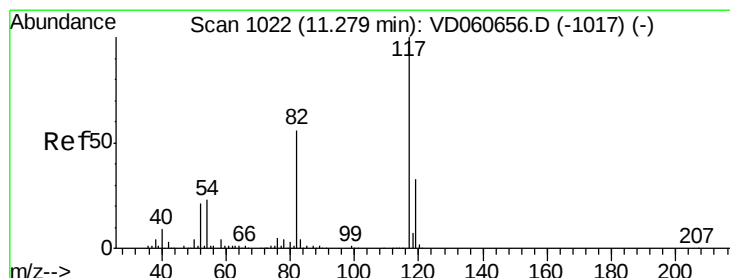
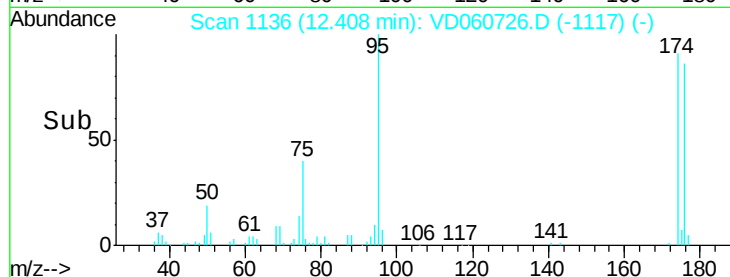
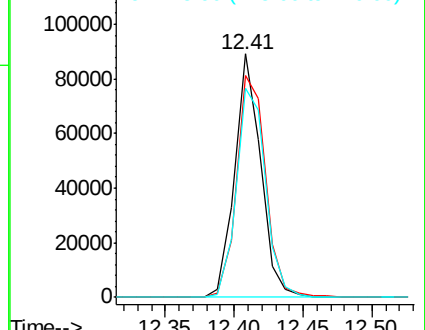
176 86.1 0.0 152.4



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



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.26 min Scan# 1019

Delta R.T. -0.02 min

Lab File: VD060726.D

Acq: 27 Dec 2018 15:07

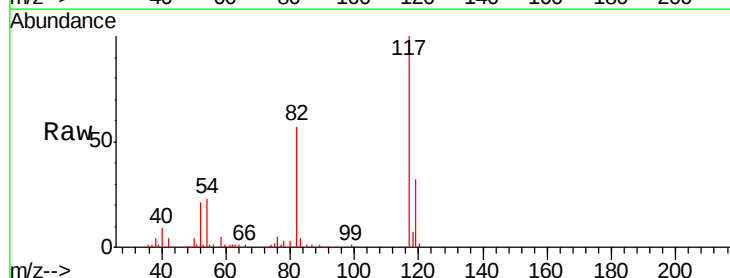
Tgt Ion: 117 Resp: 453757

Ion Ratio Lower Upper

117 100

82 56.8 44.5 66.7

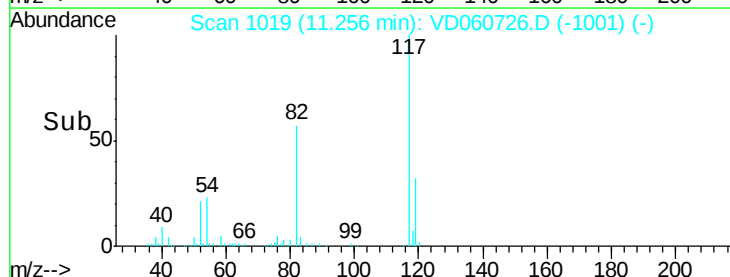
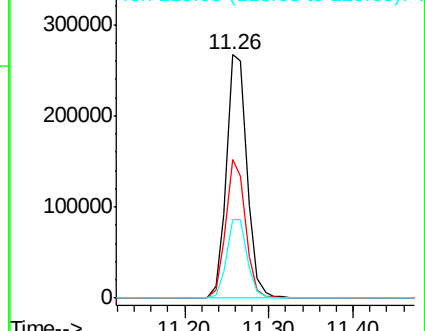
119 32.0 26.3 39.5

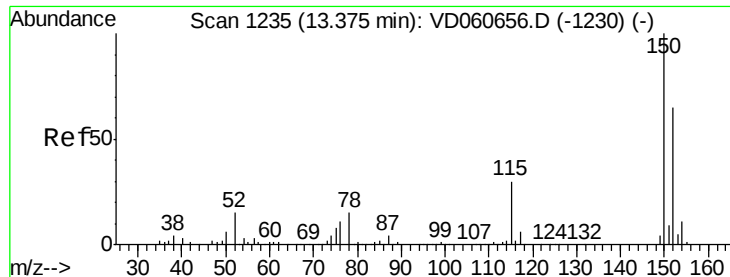


Abundance Ion 116.95 (116.65 to 117.65): V

Ion 82.05 (81.75 to 82.75): V

Ion 118.95 (118.65 to 119.65): V





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.36 min Scan# 1233

Delta R.T. -0.01 min

Lab File: VD060726.D

Acq: 27 Dec 2018 15:07

Instrument :

MSVOA_D

ClientSampleId :

P001-SS021-0612-01RE

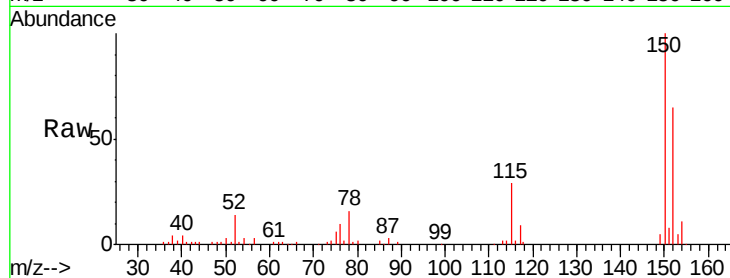
Tgt Ion:152 Resp: 95702

Ion Ratio Lower Upper

152 100

115 44.1 24.1 72.3

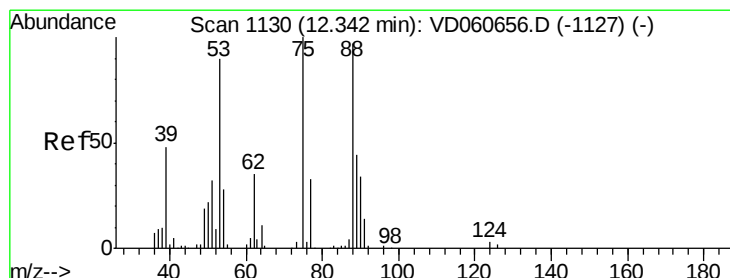
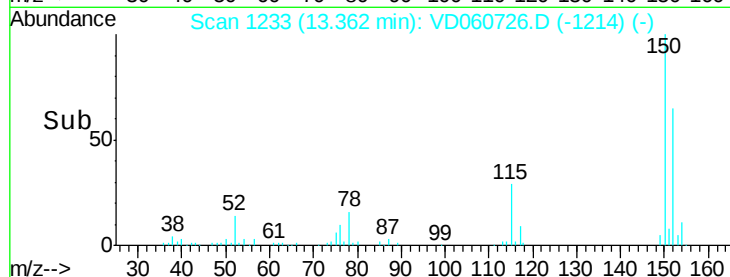
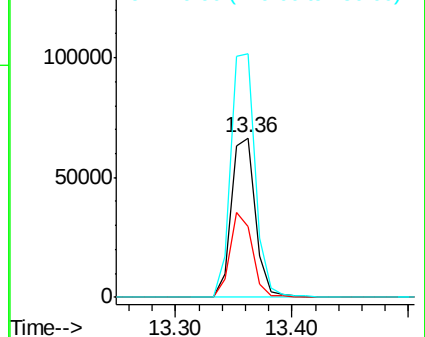
150 152.9 0.0 315.0



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



#81

trans-1,4-Dichloro-2-butene

Concen: 156.728 ug/l

RT: 12.41 min Scan# 1136

Delta R.T. 0.07 min

Lab File: VD060726.D

Acq: 27 Dec 2018 15:07

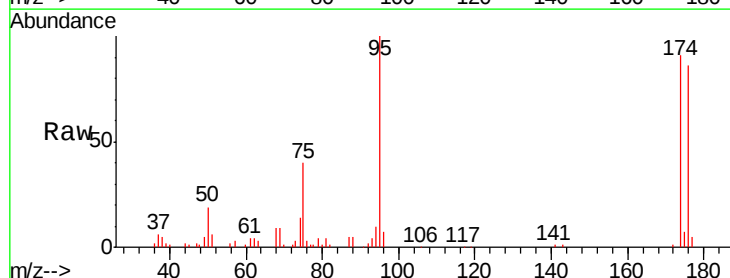
Tgt Ion: 75 Resp: 47186

Ion Ratio Lower Upper

75 100

53 0.0 72.1 108.1#

89 0.0 35.1 52.7#



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

