

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_D\DATA\VD122718\
 Data File : VD060728.D
 Acq On : 27 Dec 2018 16:03
 Operator : VA/AP
 Sample : J6446-12RE
 Misc : 3.24g/5ml/MSVOA_D/SOIL
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 P001-SS022-0006-01RE

Quant Time: Dec 28 01:37:39 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	6.37	168	994215	50.00	ug/l	-0.04
34) 1,4-Difluorobenzene	7.40	114	1338816	50.00	ug/l	-0.04
63) Chlorobenzene-d5	11.26	117	707472	50.00	ug/l	-0.02
72) 1,4-Dichlorobenzene-d4	13.36	152	159630	50.00	ug/l	-0.02

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.75	65	361648	52.64	ug/l	-0.04
Spiked Amount	50.000		Recovery	=	105.28%	
35) Dibromofluoromethane	6.29	113	501270	51.15	ug/l	-0.04
Spiked Amount	50.000		Recovery	=	102.30%	
50) Toluene-d8	9.42	98	1087493	37.19	ug/l	-0.04
Spiked Amount	50.000		Recovery	=	74.38%	
62) 4-Bromofluorobenzene	12.41	95	193327	18.88	ug/l	0.00
Spiked Amount	50.000		Recovery	=	37.76%	

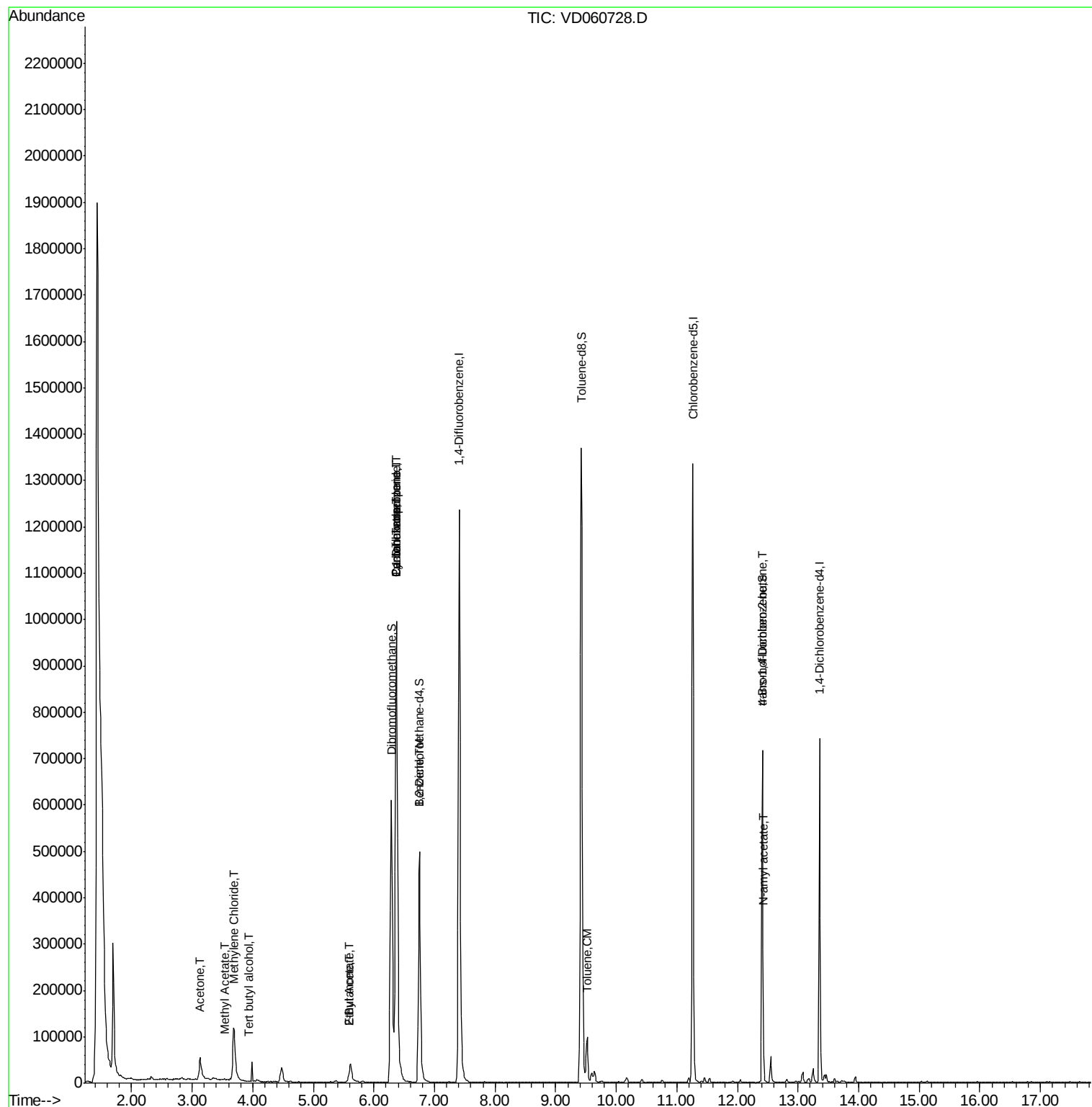
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	3.92	59	1757	6.119	ug/l #	74
16) Acetone	3.13	43	98684	82.245	ug/l	99
18) Methyl Acetate	3.54	43	7852	2.640	ug/l #	63
20) Methylene Chloride	3.68	84	76242	6.118	ug/l	98
25) 2-Butanone	5.58	43	12259	5.339	ug/l	98
31) Cyclohexane	6.37	56	18097	1.043	ug/l #	1
36) 1,1-Dichloropropene	6.37	75	67729	4.913	ug/l #	47
37) Ethyl Acetate	5.58	43	12259	2.126	ug/l #	69
38) Carbon Tetrachloride	6.37	117	74648	6.138	ug/l #	16
40) Benzene	6.75	78	80817	2.269	ug/l	99
52) Toluene	9.52	92	49024	2.196	ug/l	89
74) N-amyl acetate	12.43	43	3052	1.138	ug/l #	84
81) trans-1,4-Dichloro-2-buten	12.41	75	81477	162.246	ug/l #	13

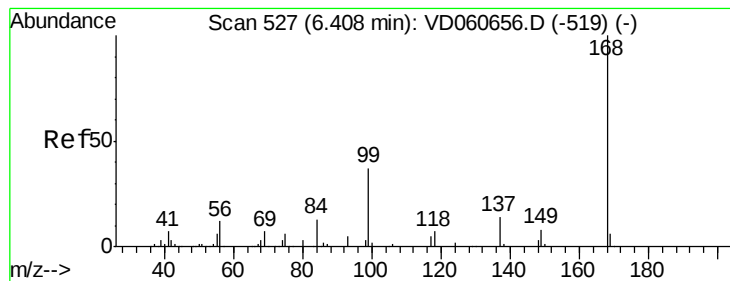
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_D\DATA\VD122718\
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Quant Title : SW846 8260
QLast Update : Fri Dec 21 17:37:47 2018
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 6.37 min Scan# 523

Delta R.T. -0.04 min

Lab File: VD060728.D

Acq: 27 Dec 2018 16:03

Instrument :

MSVOA_D

ClientSampleId :

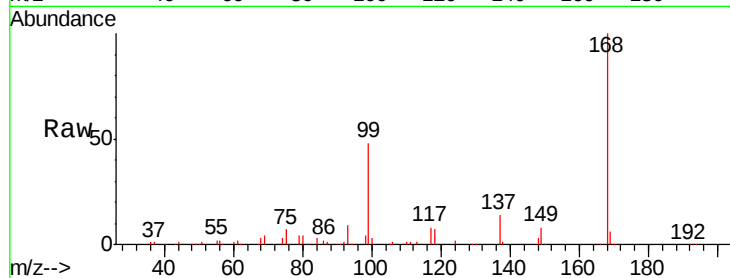
P001-SS022-0006-01RE

Tgt Ion:168 Resp: 994215

Ion Ratio Lower Upper

168 100

99 47.6 38.7 58.1



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC

6.37

400000

300000

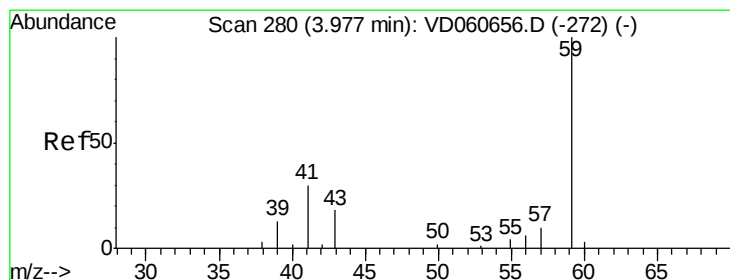
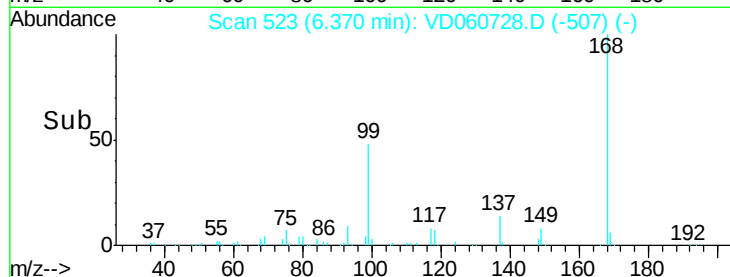
200000

100000

0

Time-->

6.20 6.30 6.40 6.50 6.60



#11

Tert butyl alcohol

Concen: 6.119 ug/l

RT: 3.92 min Scan# 274

Delta R.T. -0.06 min

Lab File: VD060728.D

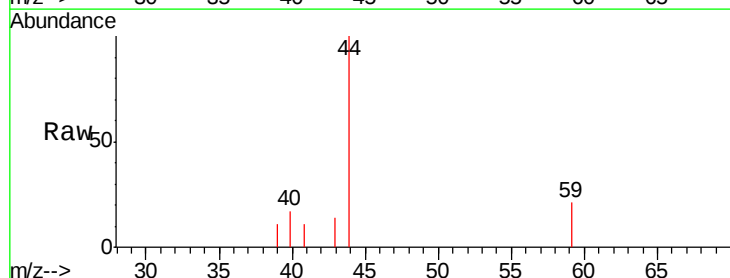
Acq: 27 Dec 2018 16:03

Tgt Ion: 59 Resp: 1757

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

3.92

600

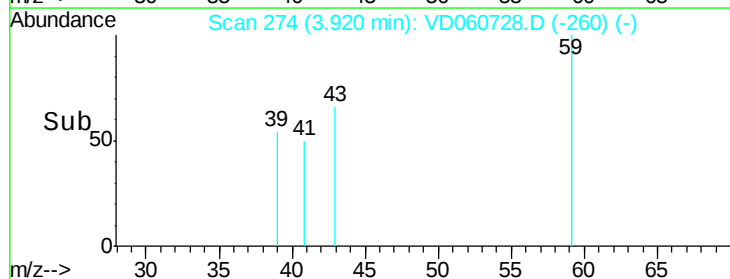
400

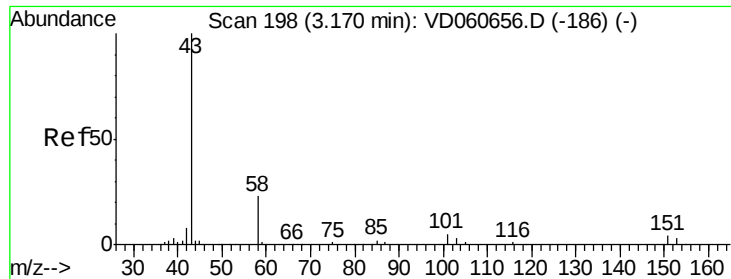
200

0

Time-->

3.85 3.90 3.95 4.00





#16

Acetone

Concen: 82.245 ug/l

RT: 3.13 min Scan# 194

Delta R.T. -0.04 min

Lab File: VD060728.D

Acq: 27 Dec 2018 16:03

Instrument :

MSVOA_D

ClientSampleId :

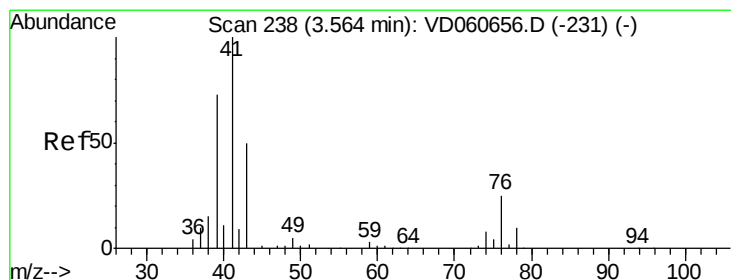
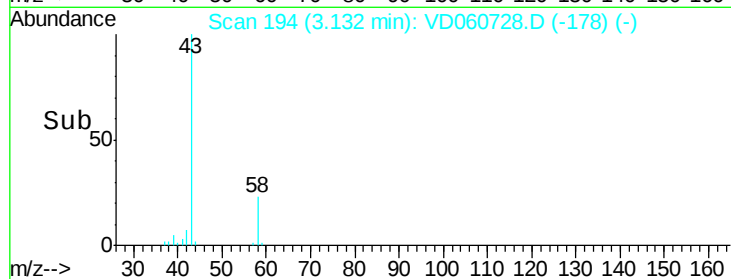
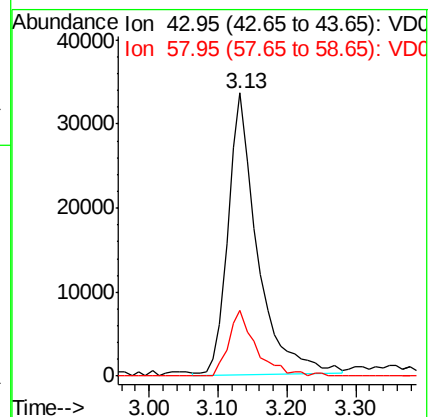
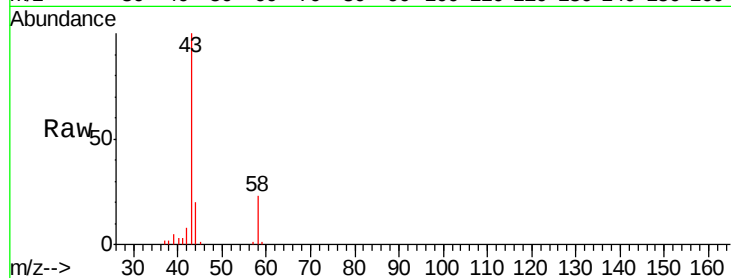
P001-SS022-0006-01RE

Tgt Ion: 43 Resp: 98684

Ion Ratio Lower Upper

43 100

58 23.1 18.2 27.2



#18

Methyl Acetate

Concen: 2.640 ug/l

RT: 3.54 min Scan# 235

Delta R.T. -0.03 min

Lab File: VD060728.D

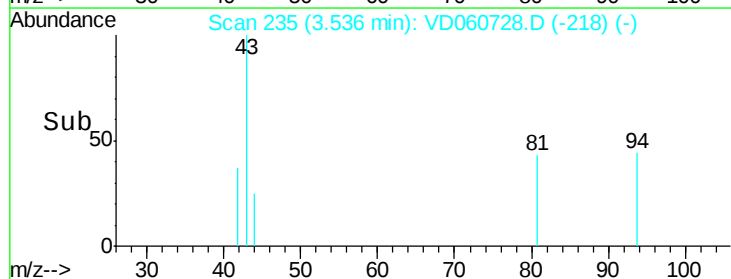
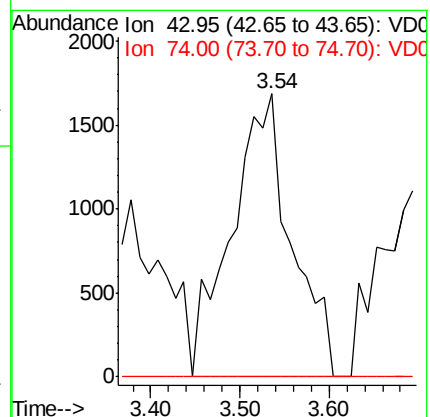
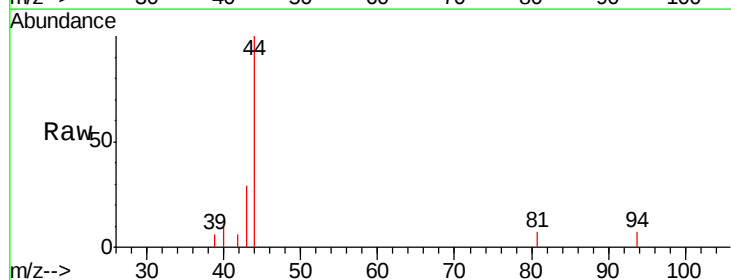
Acq: 27 Dec 2018 16:03

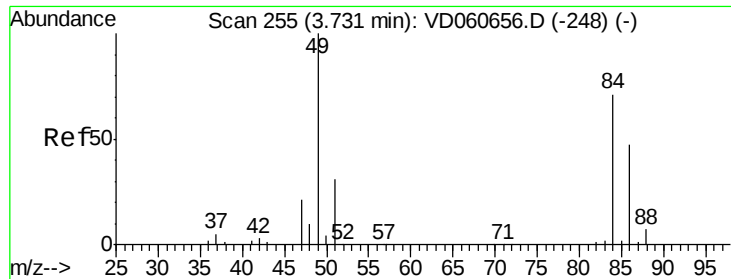
Tgt Ion: 43 Resp: 7852

Ion Ratio Lower Upper

43 100

74 0.0 12.4 18.6#

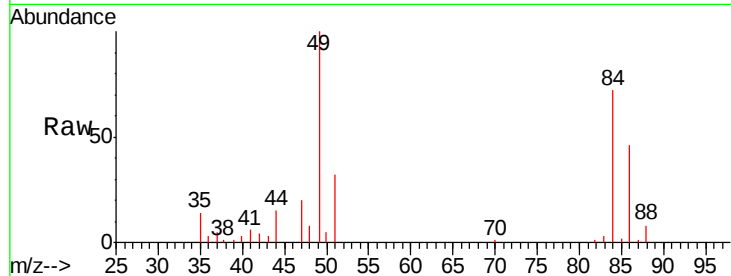




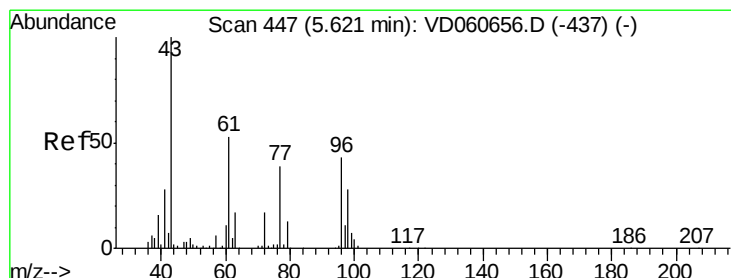
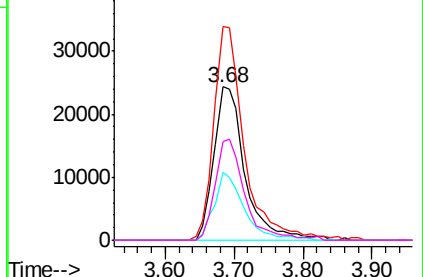
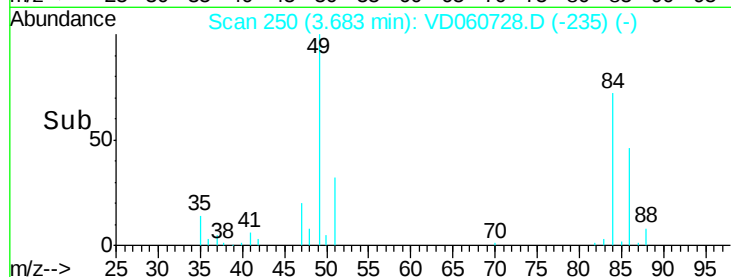
#20
Methylene Chloride
Concen: 6.118 ug/l
RT: 3.68 min Scan# 250
Delta R.T. -0.05 min
Lab File: VD060728.D
Acq: 27 Dec 2018 16:03

Instrument :
MSVOA_D
ClientSampleId :
P001-SS022-0006-01RE

Tgt Ion: 84 Resp: 76242
Ion Ratio Lower Upper
84 100
49 139.3 113.6 170.4
51 44.4 34.7 52.1
86 64.6 52.8 79.2

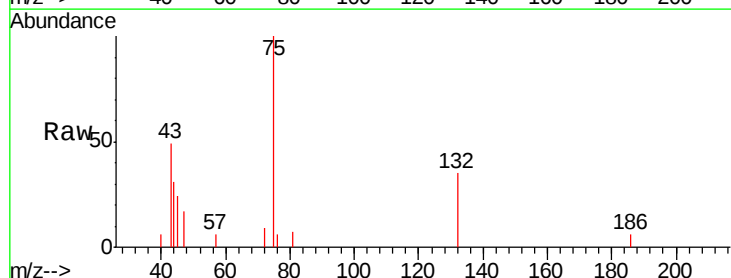


Abundance Ion 83.95 (83.65 to 84.65): VDC
Ion 48.90 (48.60 to 49.60): VDC
Ion 50.90 (50.60 to 51.60): VDC
Ion 85.90 (85.60 to 86.60): VDC

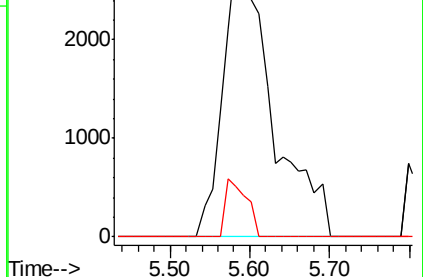
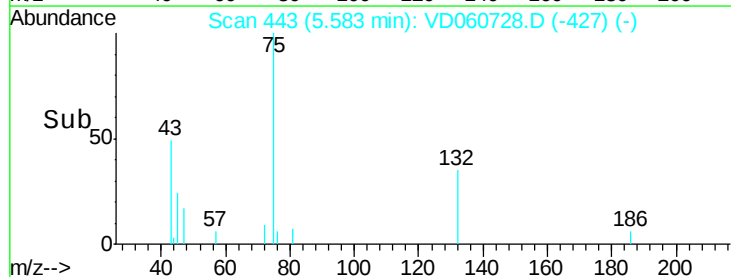


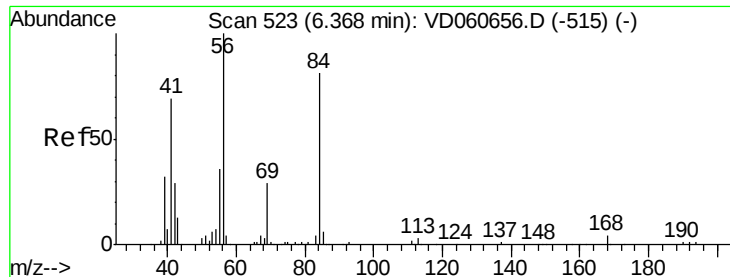
#25
2-Butanone
Concen: 5.339 ug/l
RT: 5.58 min Scan# 443
Delta R.T. -0.04 min
Lab File: VD060728.D
Acq: 27 Dec 2018 16:03

Tgt Ion: 43 Resp: 12259
Ion Ratio Lower Upper
43 100
72 17.9 13.7 20.5



Abundance Ion 42.95 (42.65 to 43.65): VDC
Ion 72.00 (71.70 to 72.70): VDC

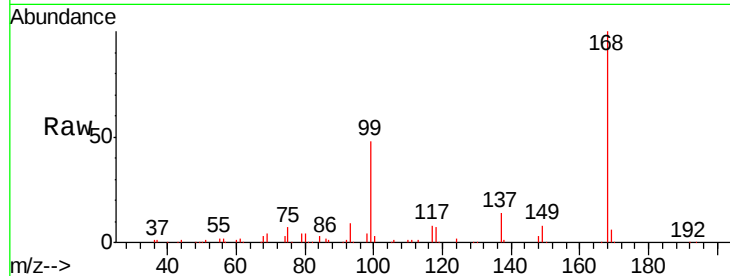




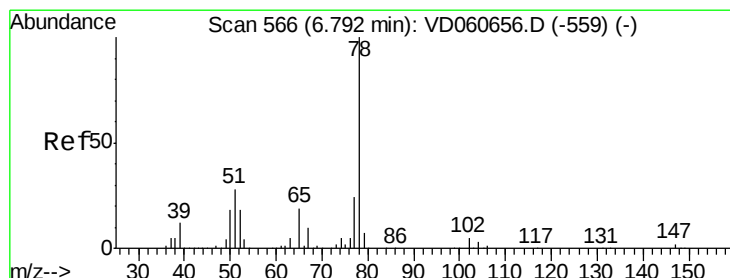
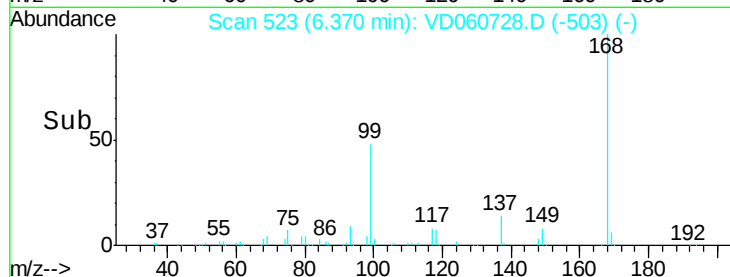
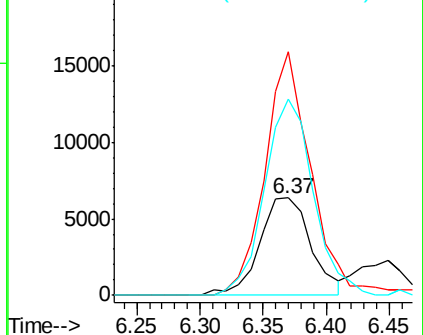
#31
Cyclohexane
Concen: 1.043 ug/l
RT: 6.37 min Scan# 523
Delta R.T. 0.00 min
Lab File: VD060728.D
Acq: 27 Dec 2018 16:03

Instrument :
MSVOA_D
ClientSampleId :
P001-SS022-0006-01RE

Tgt Ion: 56 Resp: 18097
Ion Ratio Lower Upper
56 100
69 250.3 23.6 35.4#
84 202.3 65.8 98.6#

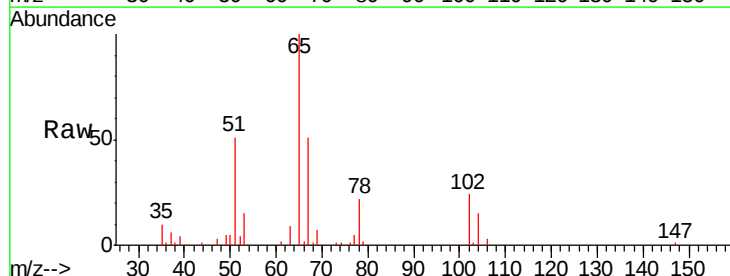


Abundance Ion 55.95 (55.65 to 56.65): VDC
Ion 69.00 (68.70 to 69.70): VDC
Ion 84.05 (83.75 to 84.75): VDC

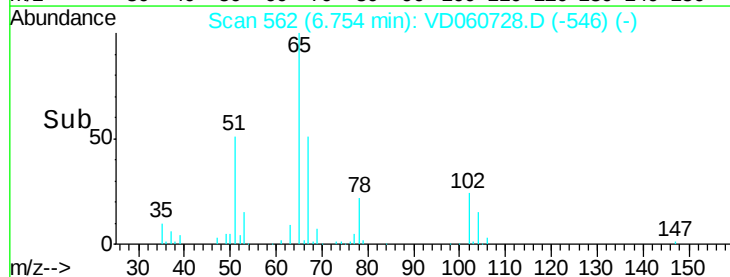
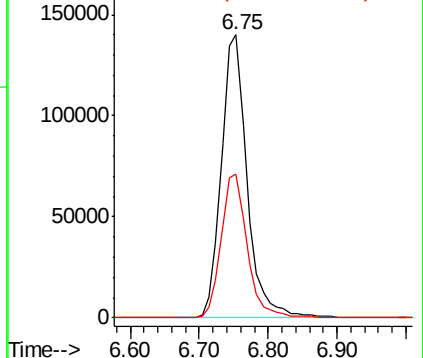


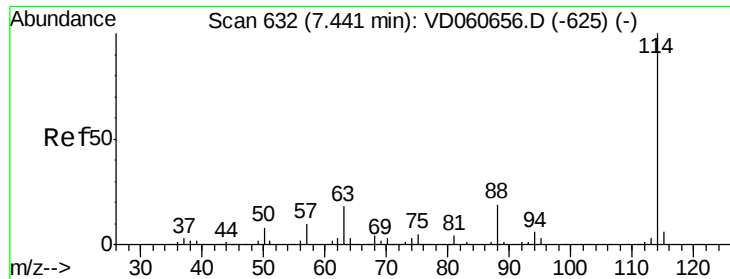
#33
1,2-Dichloroethane-d4
Concen: N.D. ug/l
RT: 6.75 min Scan# 562
Delta R.T. -0.04 min
Lab File: VD060728.D
Acq: 27 Dec 2018 16:03

Tgt Ion: 65 Resp: 361648
Ion Ratio Lower Upper
65 100
67 51.0 0.0 105.4



Abundance Ion 64.95 (64.65 to 65.65): VDC
Ion 66.90 (66.60 to 67.60): VDC

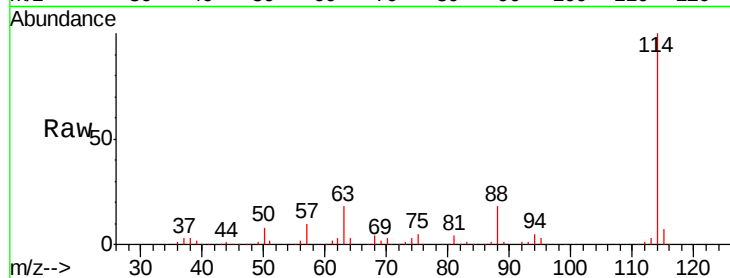




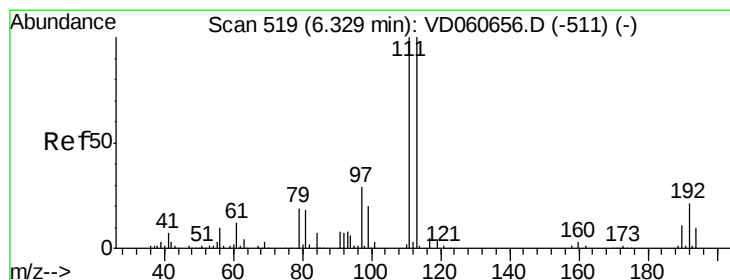
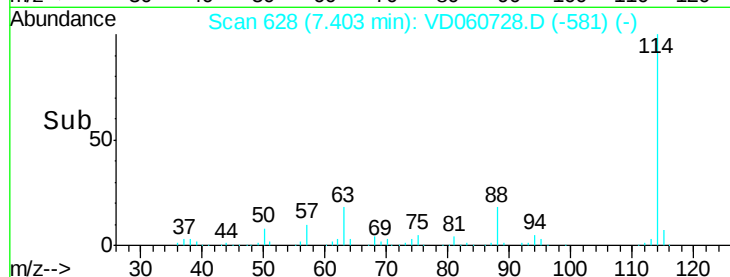
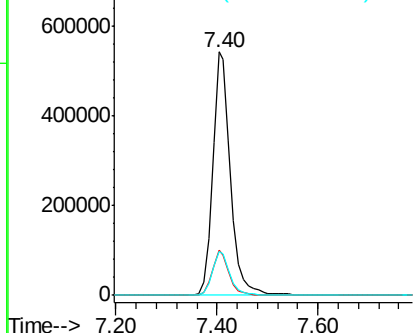
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 7.40 min Scan# 628
 Delta R.T. -0.04 min
 Lab File: VD060728.D
 Acq: 27 Dec 2018 16:03

Instrument :
 MSVOA_D
 ClientSampleId :
 P001-SS022-0006-01RE

Tgt Ion:114 Resp: 1338816
 Ion Ratio Lower Upper
 114 100
 63 18.4 0.0 36.2
 88 18.3 0.0 37.0

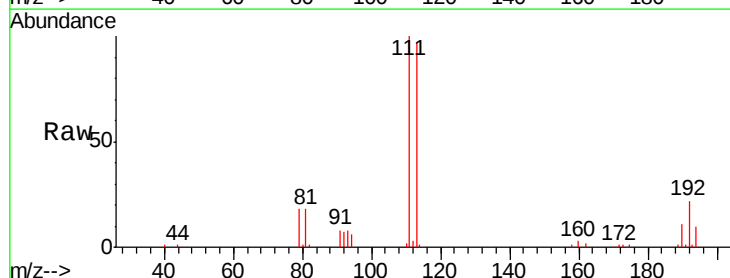


Abundance Ion 114.00 (113.70 to 114.70): V
 Ion 62.95 (62.65 to 63.65): V
 Ion 87.90 (87.60 to 88.60): V

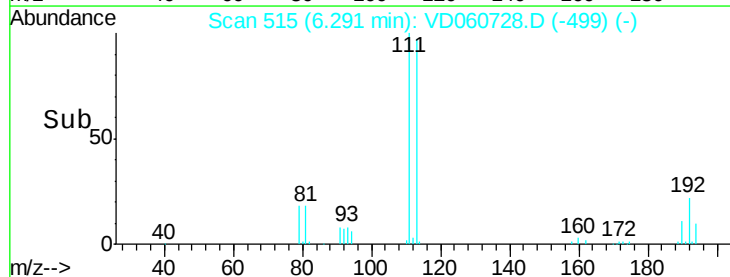
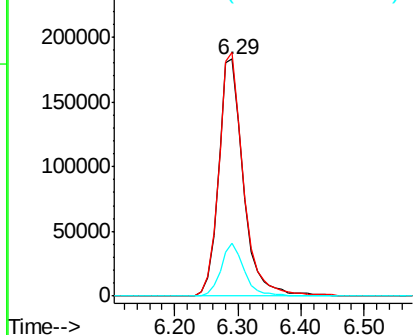


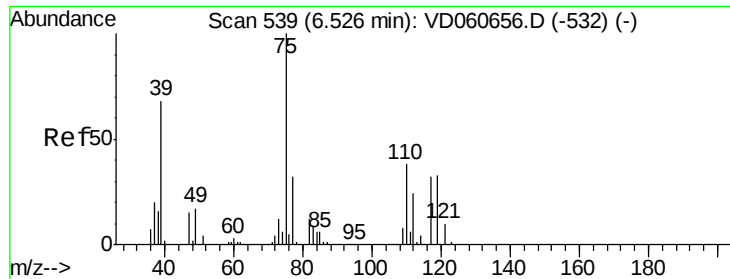
#35
 Dibromofluoromethane
 Concen: 50.000 ug/l
 RT: 6.29 min Scan# 515
 Delta R.T. -0.04 min
 Lab File: VD060728.D
 Acq: 27 Dec 2018 16:03

Tgt Ion:113 Resp: 501270
 Ion Ratio Lower Upper
 113 100
 111 102.9 80.0 120.0
 192 22.1 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: 4.913 ug/l

RT: 6.37 min Scan# 523

Delta R.T. -0.16 min

Lab File: VD060728.D

Acq: 27 Dec 2018 16:03

Instrument :

MSVOA_D

ClientSampleId :

P001-SS022-0006-01RE

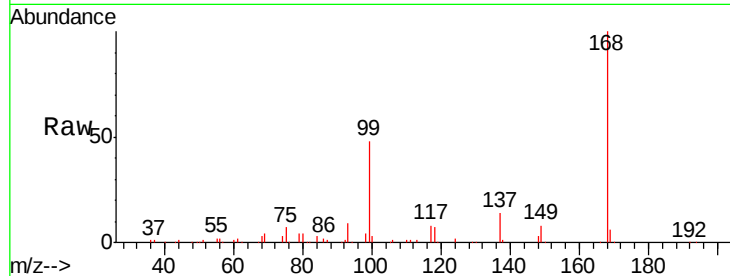
Tgt Ion: 75 Resp: 67729

Ion Ratio Lower Upper

75 100

110 7.6 18.9 56.7#

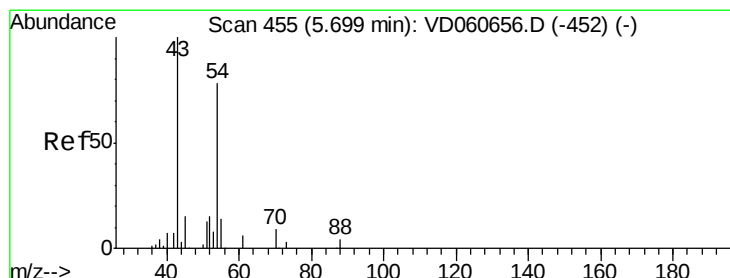
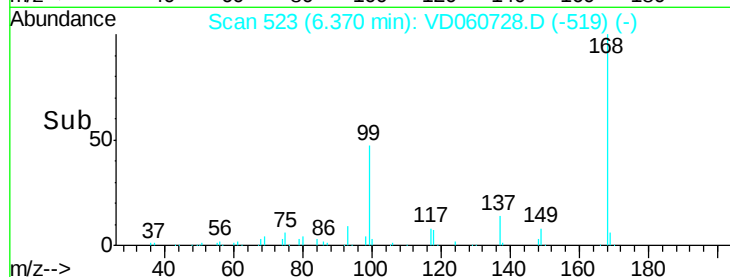
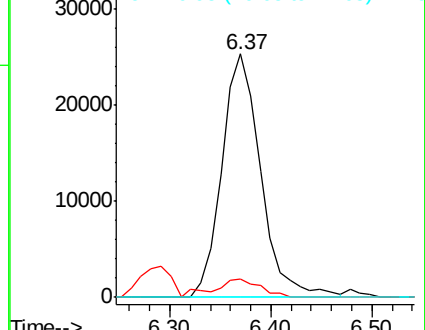
77 0.0 25.4 38.0#



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



#37

Ethyl Acetate

Concen: 2.126 ug/l

RT: 5.58 min Scan# 443

Delta R.T. -0.12 min

Lab File: VD060728.D

Acq: 27 Dec 2018 16:03

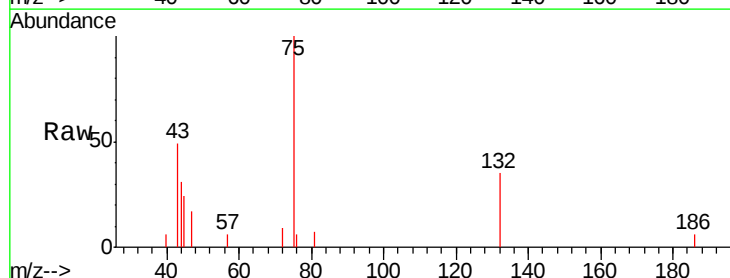
Tgt Ion: 43 Resp: 12259

Ion Ratio Lower Upper

43 100

61 0.0 11.8 17.6#

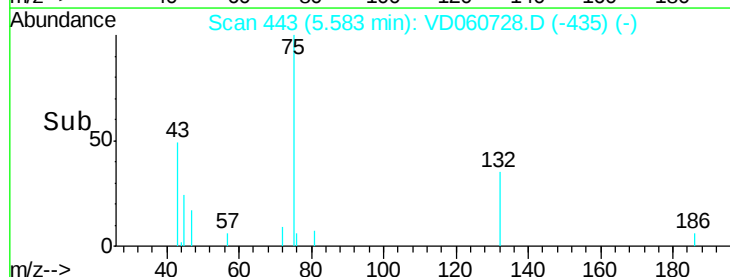
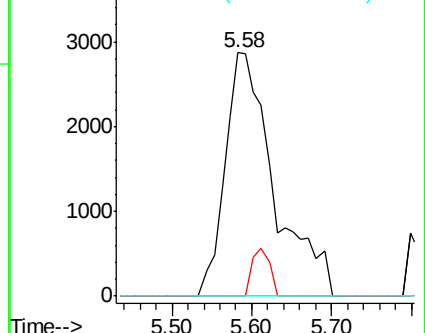
70 0.0 5.8 8.6#

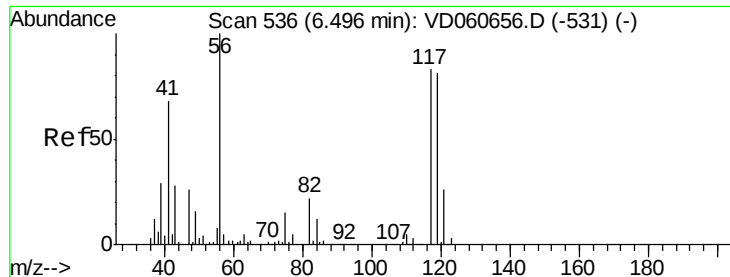


Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 60.95 (60.65 to 61.65): VDC

Ion 70.00 (69.70 to 70.70): VDC





#38

Carbon Tetrachloride

Concen: 6.138 ug/l

RT: 6.37 min Scan# 523

Delta R.T. -0.13 min

Lab File: VD060728.D

Acq: 27 Dec 2018 16:03

Instrument :

MSVOA_D

ClientSampleId :

P001-SS022-0006-01RE

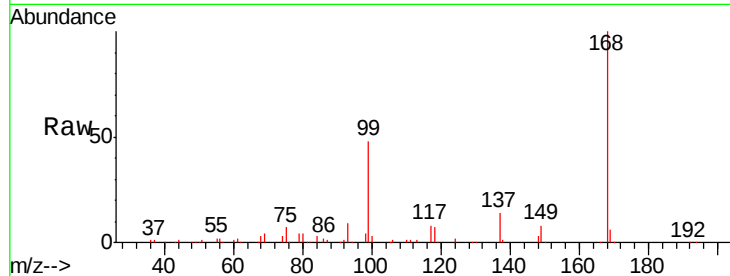
Tgt Ion:117 Resp: 74648

Ion Ratio Lower Upper

117 100

119 5.8 77.0 115.4#

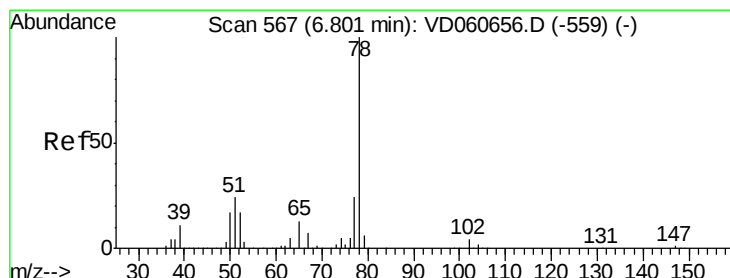
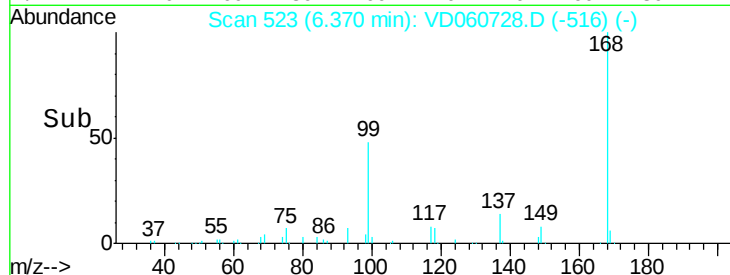
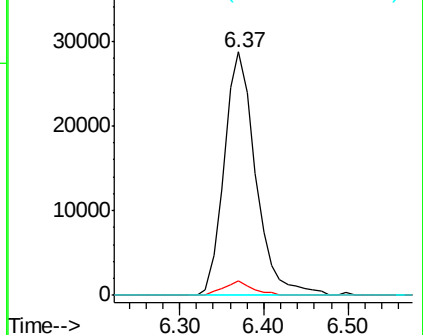
121 0.0 24.7 37.1#



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: 2.269 ug/l

RT: 6.75 min Scan# 562

Delta R.T. -0.05 min

Lab File: VD060728.D

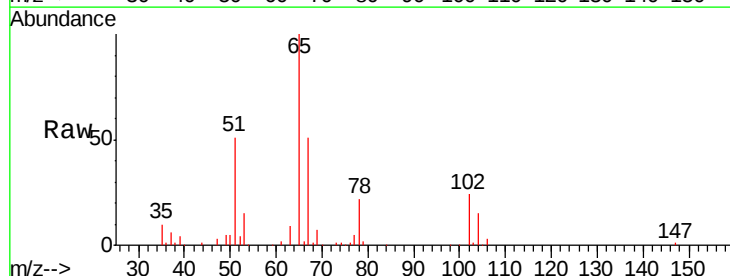
Acq: 27 Dec 2018 16:03

Tgt Ion: 78 Resp: 80817

Ion Ratio Lower Upper

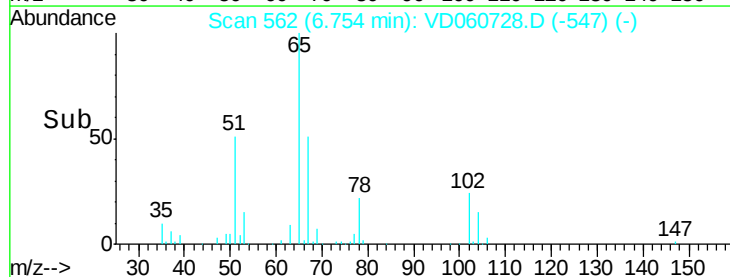
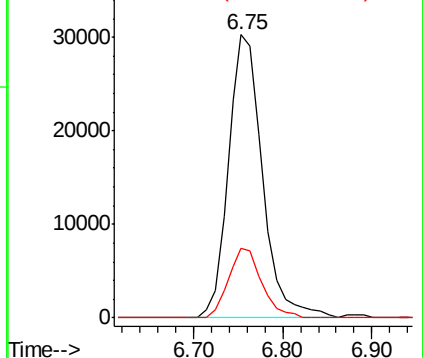
78 100

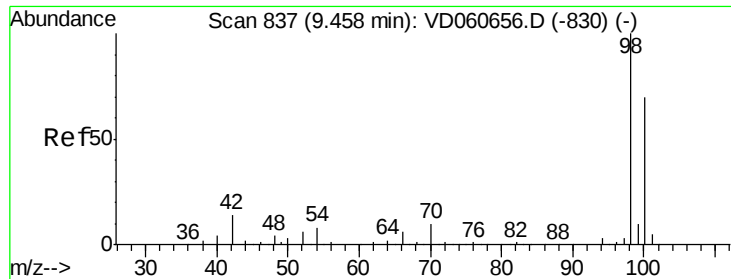
77 24.6 19.2 28.8



Abundance Ion 77.95 (77.65 to 78.65): V

Ion 76.95 (76.65 to 77.65): V

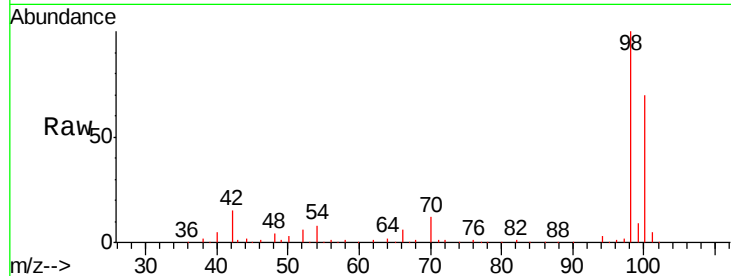




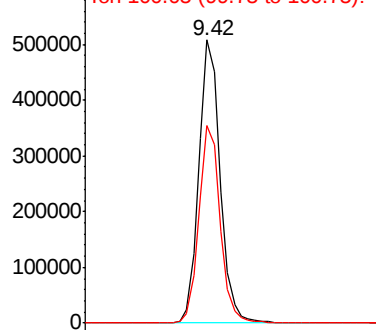
#50
Toluene-d8
Concen: N.D. ug/l
RT: 9.42 min Scan# 833
Delta R.T. -0.04 min
Lab File: VD060728.D
Acq: 27 Dec 2018 16:03

Instrument :
MSVOA_D
ClientSampleId :
P001-SS022-0006-01RE

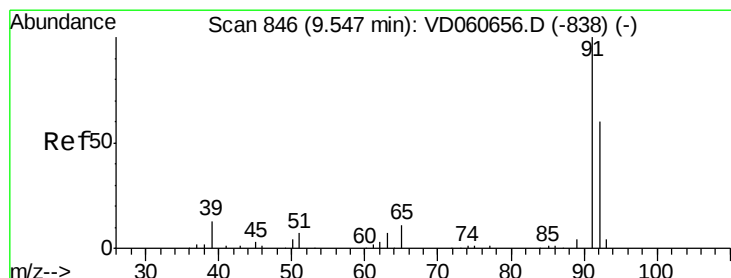
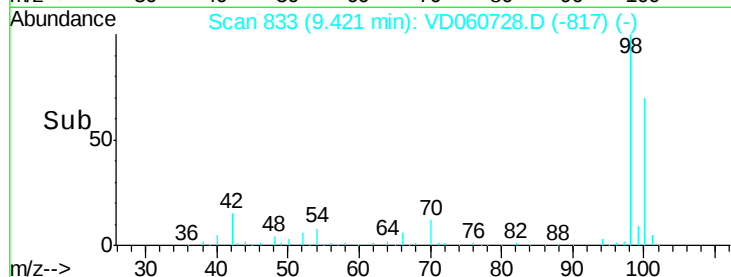
Tgt Ion: 98 Resp: 1087493
Ion Ratio Lower Upper
98 100
100 69.7 55.8 83.8



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

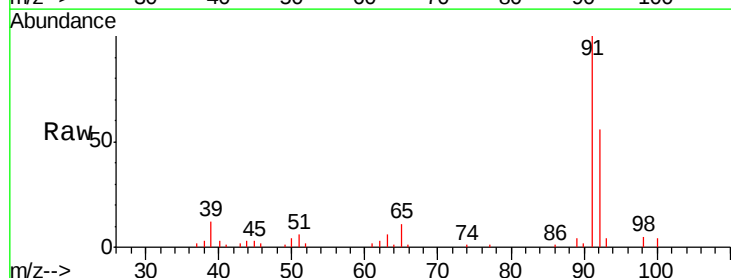


Time-->

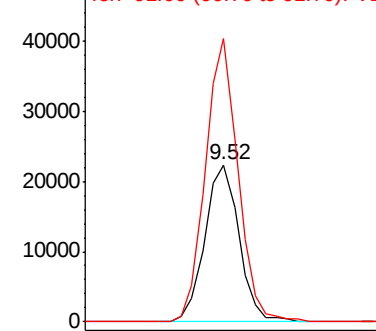


#52
Toluene
Concen: 2.196 ug/l
RT: 9.52 min Scan# 843
Delta R.T. -0.03 min
Lab File: VD060728.D
Acq: 27 Dec 2018 16:03

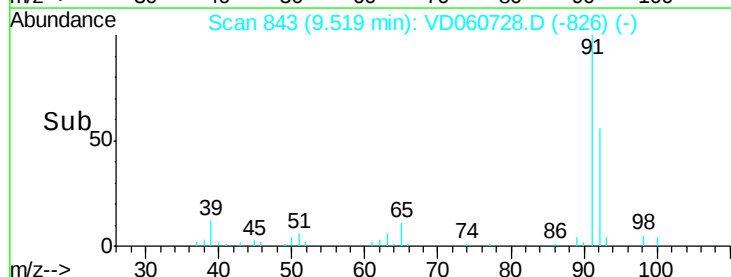
Tgt Ion: 92 Resp: 49024
Ion Ratio Lower Upper
92 100
91 180.1 132.6 199.0

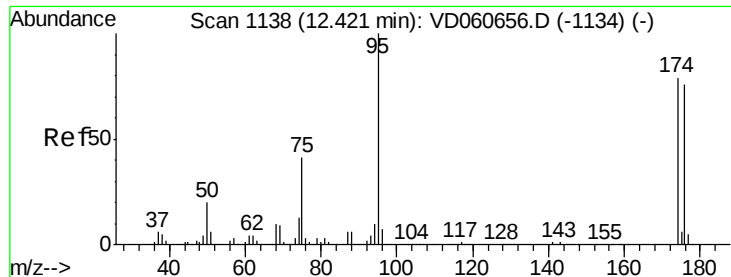


Abundance Ion 92.00 (91.70 to 92.70): VDC
Ion 91.00 (90.70 to 91.70): VDC



Time-->





#62

4-Bromofluorobenzene

Concen: N.D. ug/l

RT: 12.41 min Scan# 1137

Delta R.T. -0.01 min

Lab File: VD060728.D

Acq: 27 Dec 2018 16:03

Instrument :

MSVOA_D

ClientSampleId :

P001-SS022-0006-01RE

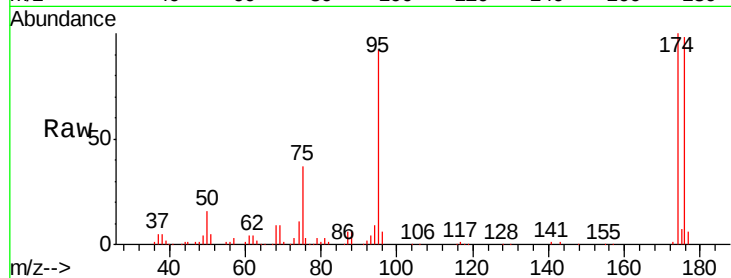
Tgt Ion: 95 Resp: 193327

Ion Ratio Lower Upper

95 100

174 109.0 0.0 158.2

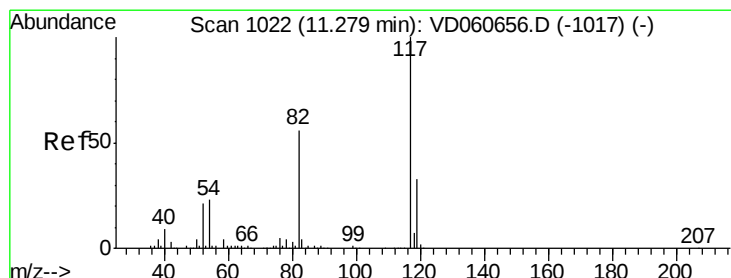
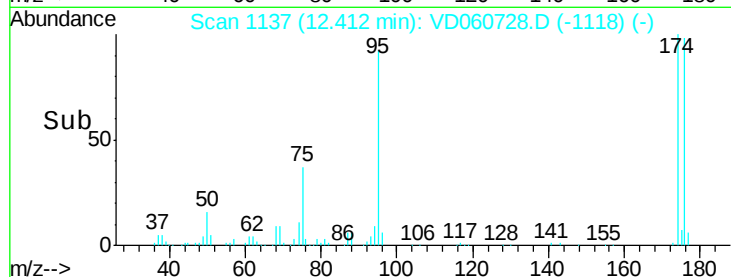
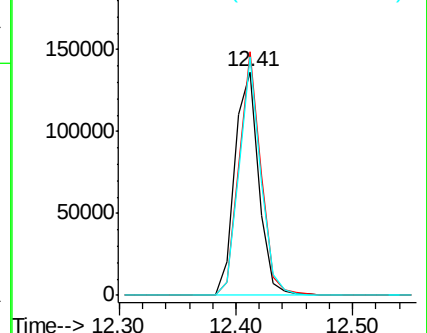
176 106.9 0.0 152.4



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# 1020

Delta R.T. -0.02 min

Lab File: VD060728.D

Acq: 27 Dec 2018 16:03

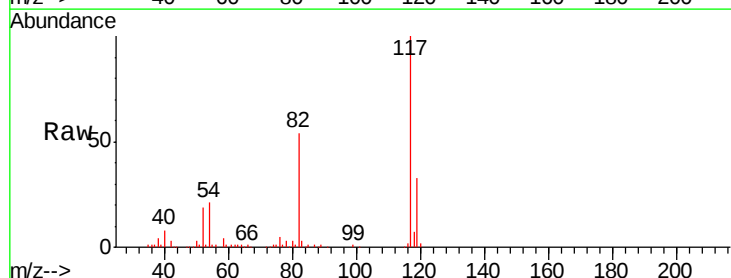
Tgt Ion: 117 Resp: 707472

Ion Ratio Lower Upper

117 100

82 54.5 44.5 66.7

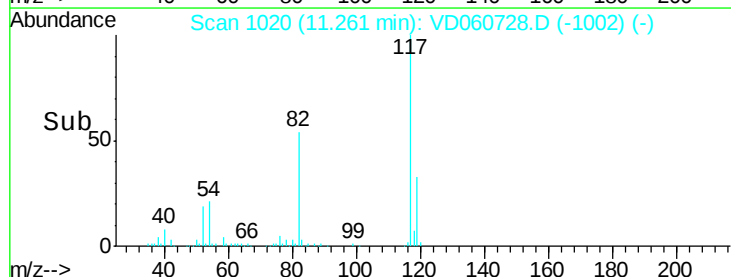
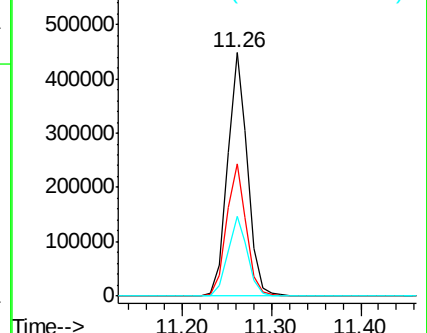
119 32.8 26.3 39.5

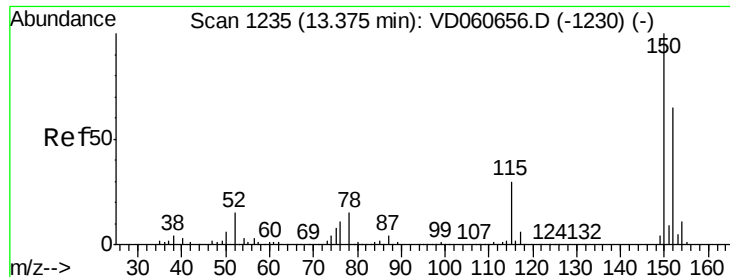


Abundance Ion 116.95 (116.65 to 117.65): V

Ion 82.05 (81.75 to 82.75): V

Ion 118.95 (118.65 to 119.65): V





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.36 min Scan# 1233

Delta R.T. -0.02 min

Lab File: VD060728.D

Acq: 27 Dec 2018 16:03

Instrument :

MSVOA_D

ClientSampleId :

P001-SS022-0006-01RE

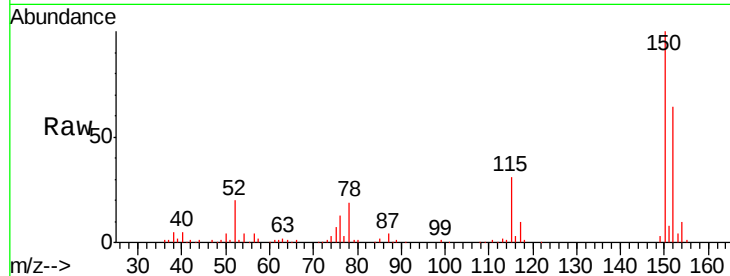
Tgt Ion:152 Resp: 159630

Ion Ratio Lower Upper

152 100

115 48.4 24.1 72.3

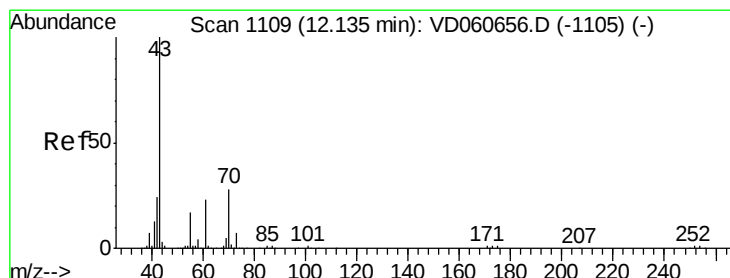
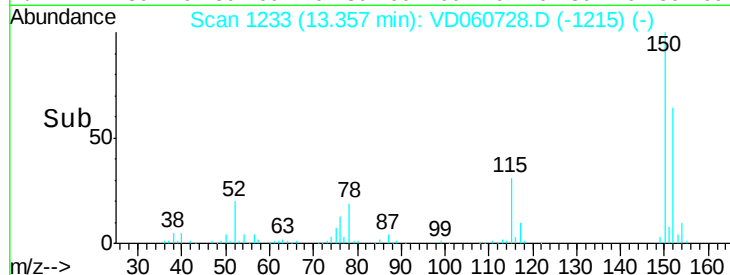
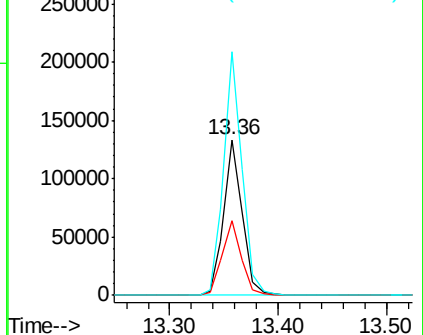
150 156.8 0.0 315.0



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



#74

N-ethyl acetate

Concen: 1.138 ug/l

RT: 12.43 min Scan# 1139

Delta R.T. 0.30 min

Lab File: VD060728.D

Acq: 27 Dec 2018 16:03

Tgt Ion: 43 Resp: 3052

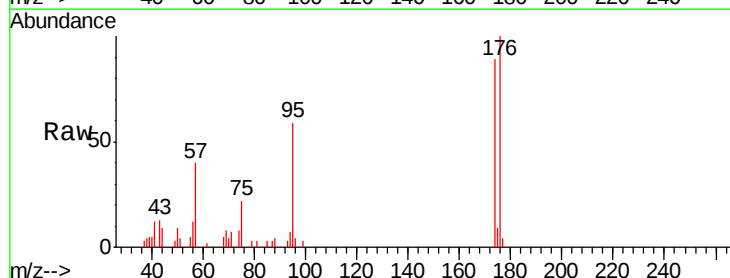
Ion Ratio Lower Upper

43 100

70 28.5 22.2 33.2

55 39.3 13.8 20.8

61 18.8 18.2 27.2

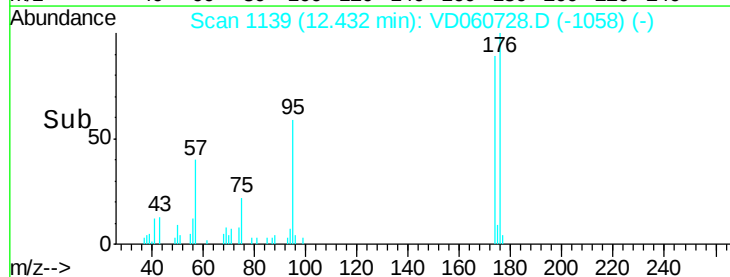
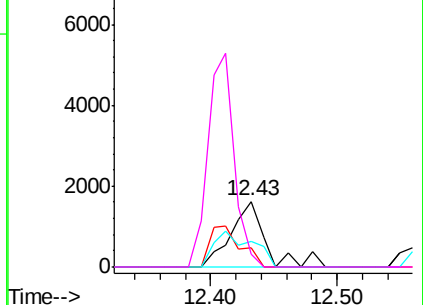


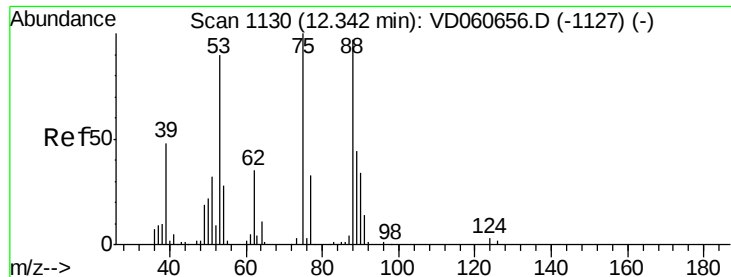
Abundance Ion 42.95 (42.65 to 43.65): V

Ion 70.00 (69.70 to 70.70): V

Ion 55.00 (54.70 to 55.70): V

Ion 60.95 (60.65 to 61.65): V





#81

trans-1,4-Dichloro-2-butene

Concen: 162.246 ug/l

RT: 12.41 min Scan# 1137

Delta R.T. 0.07 min

Lab File: VD060728.D

Acq: 27 Dec 2018 16:03

Instrument :

MSVOA_D

ClientSampleId :

P001-SS022-0006-01RE

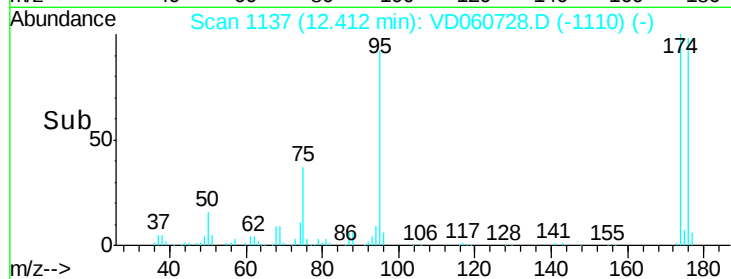
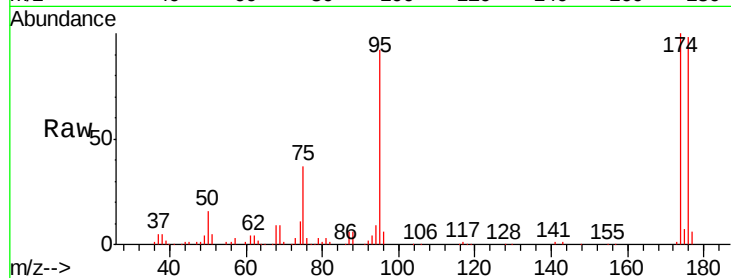
Tgt Ion: 75 Resp: 81477

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

