

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_D\DATA\VD121718\
 Data File : VD060607.D
 Acq On : 17 Dec 2018 18:52
 Operator : VA/AP
 Sample : J6445-02
 Misc : 4.66g/5ml/MSVOA_D/SOIL
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 EB06_12-14

Quant Time: Dec 18 11:17:57 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D120518S.M
 Quant Title : SW846 8260
 QLast Update : Thu Dec 06 01:49:20 2018
 Response via : Initial Calibration

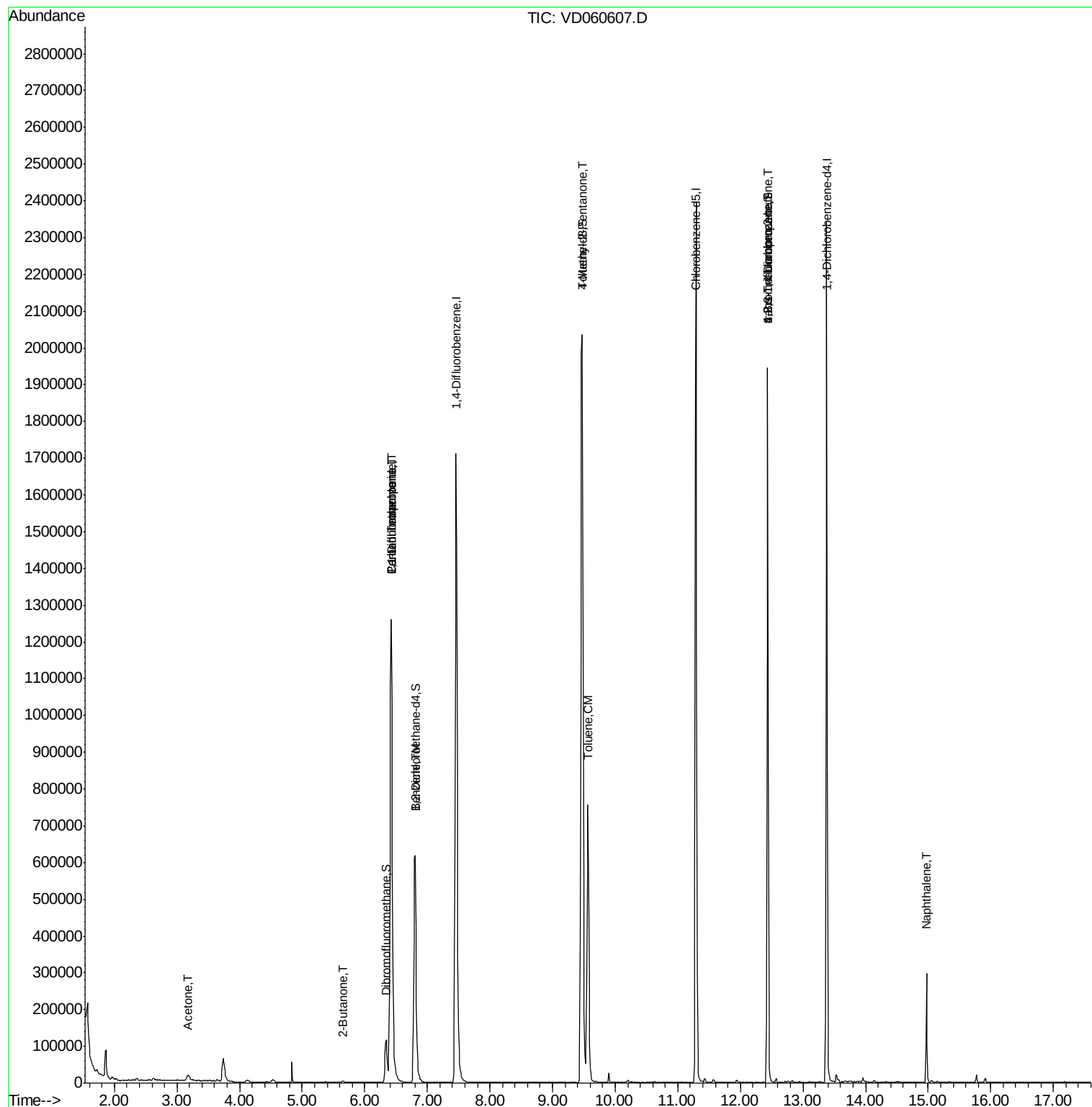
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	6.42	168	1231824	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	7.46	114	1756178	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.29	117	1286650	50.00	ug/l	0.01
72) 1,4-Dichlorobenzene-d4	13.38	152	516318	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.81	65	490905	56.22	ug/l	0.01
Spiked Amount 50.000			Recovery	=	112.44%	
35) Dibromofluoromethane	6.34	113	96471	7.48	ug/l	0.01
Spiked Amount 50.000			Recovery	=	14.96%	
50) Toluene-d8	9.47	98	1705708	45.69	ug/l	0.01
Spiked Amount 50.000			Recovery	=	91.38%	
62) 4-Bromofluorobenzene	12.44	95	513027	38.41	ug/l	0.00
Spiked Amount 50.000			Recovery	=	76.82%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.61	85	511	Below Cal	#	41
16) Acetone	3.18	43	37739	26.966	ug/l	92
20) Methylene Chloride	3.75	84	43464	Below Cal	#	83
25) 2-Butanone	5.65	43	3507	1.274	ug/l #	59
31) Cyclohexane	6.42	56	23556	Below Cal	#	1
36) 1,1-Dichloropropene	6.42	75	89794	5.231	ug/l #	47
38) Carbon Tetrachloride	6.42	117	95779	6.215	ug/l #	16
40) Benzene	6.81	78	67861	1.547	ug/l	92
51) 4-Methyl-2-Pentanone	9.46	43	9219	1.613	ug/l #	1
52) Toluene	9.56	92	383194	13.975	ug/l	96
76) 1,2,3-Trichloropropane	12.44	75	202071	34.541	ug/l #	45
81) trans-1,4-Dichloro-2-buten	12.44	75	213767	131.013	ug/l #	14
89) n-Butylbenzene	13.66	91	299	Below Cal	#	29
95) Naphthalene	14.97	128	154396	11.683	ug/l	99

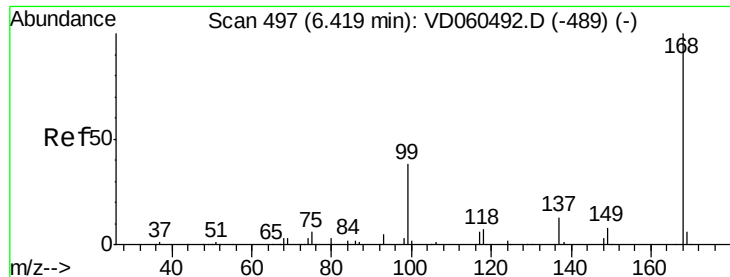
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Thu Dec 06 01:49:20 2018
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 6.42 min Scan# 498

Delta R.T. 0.00 min

Lab File: VD060607.D

Acq: 17 Dec 2018 18:52

Instrument :

MSVOA_D

ClientSampleId :

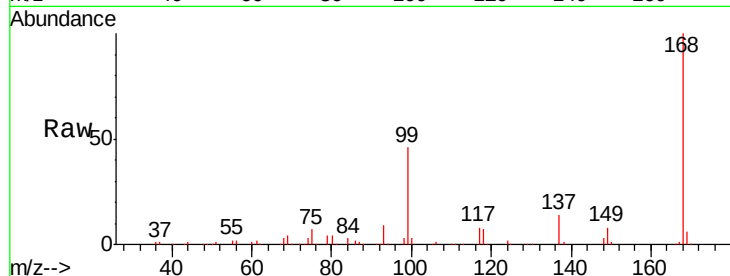
EB06_12-14

Tgt Ion:168 Resp: 1231824

Ion Ratio Lower Upper

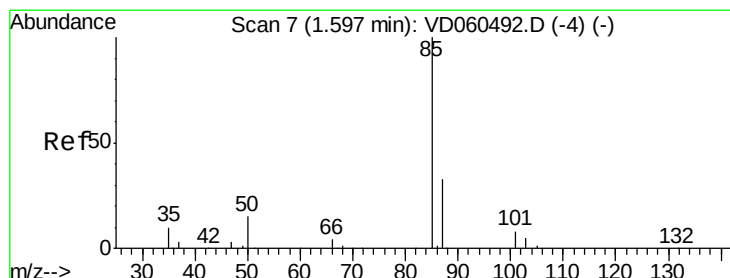
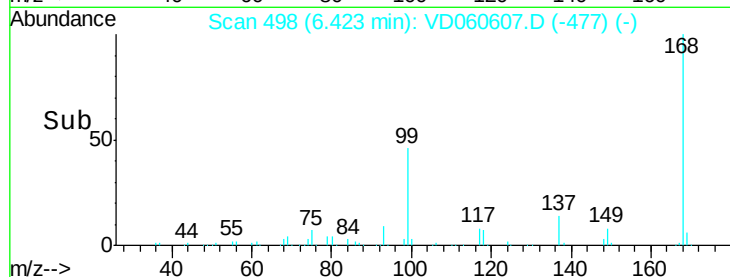
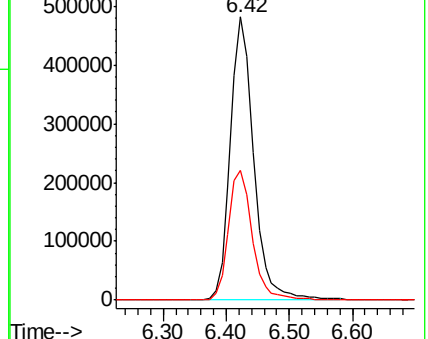
168 100

99 45.9 35.6 53.4



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC



#2

Dichlorodifluoromethane

Concen: Below Cal

RT: 1.61 min Scan# 9

Delta R.T. 0.01 min

Lab File: VD060607.D

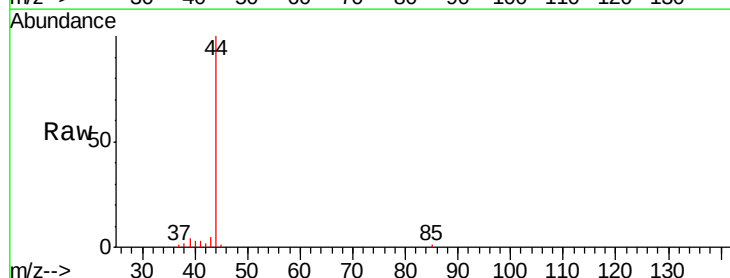
Acq: 17 Dec 2018 18:52

Tgt Ion: 85 Resp: 511

Ion Ratio Lower Upper

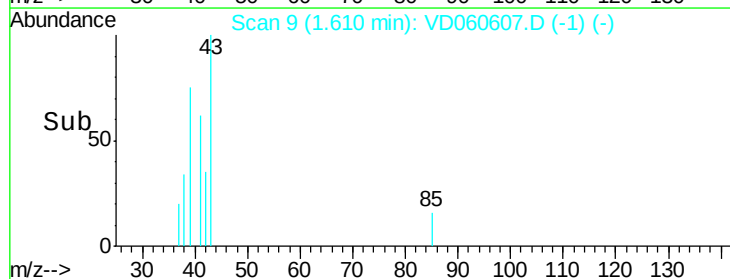
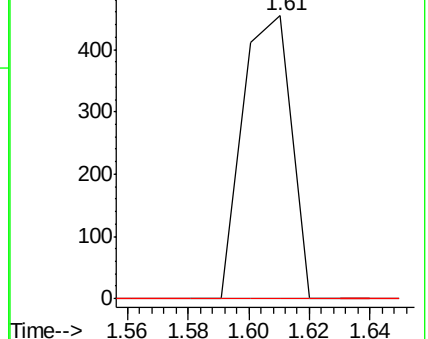
85 100

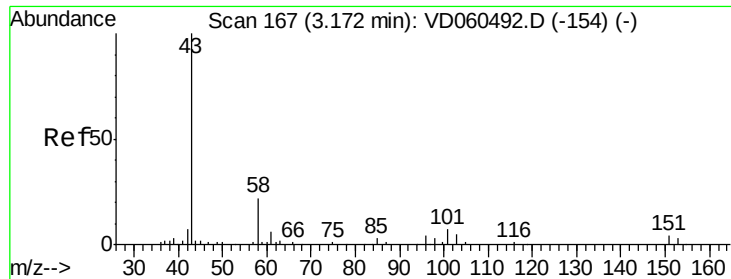
87 0.0 16.7 50.0#



Abundance Ion 84.95 (84.65 to 85.65): VDC

Ion 86.90 (86.60 to 87.60): VDC





#16

Acetone

Concen: 26.966 ug/l

RT: 3.18 min Scan# 168

Delta R.T. 0.00 min

Lab File: VD060607.D

Acq: 17 Dec 2018 18:52

Instrument :

MSVOA_D

ClientSampled :

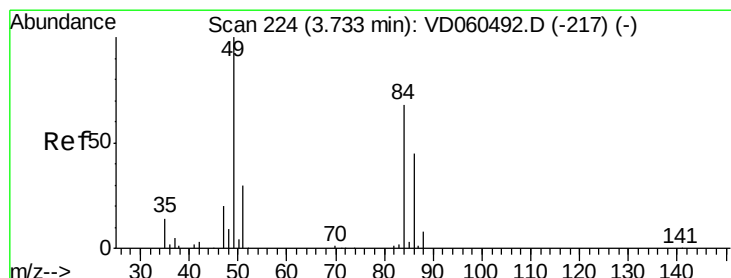
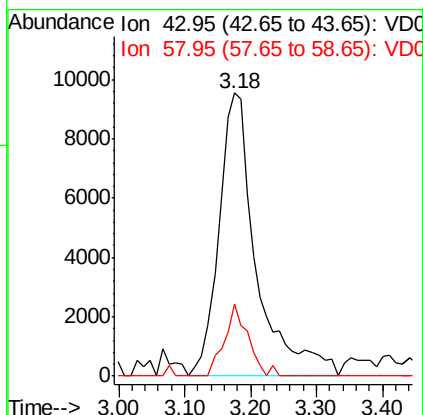
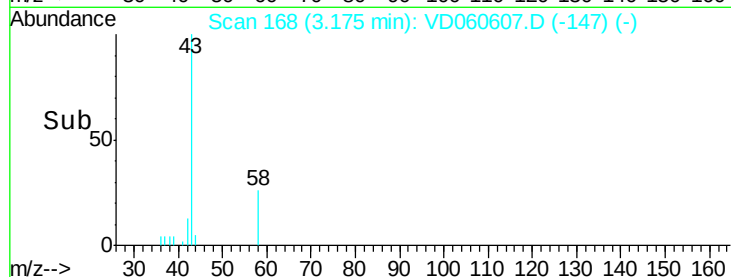
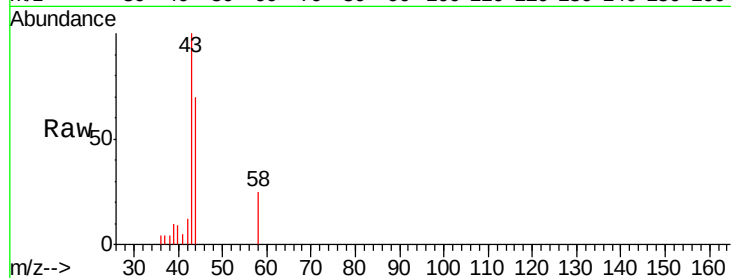
EB06_12-14

Tgt Ion: 43 Resp: 37739

Ion Ratio Lower Upper

43 100

58 25.3 17.3 25.9



#20

Methylene Chloride

Concen: Below Cal

RT: 3.75 min Scan# 226

Delta R.T. 0.01 min

Lab File: VD060607.D

Acq: 17 Dec 2018 18:52

Tgt Ion: 84 Resp: 43464

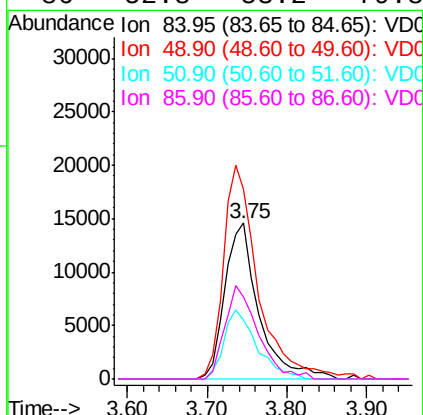
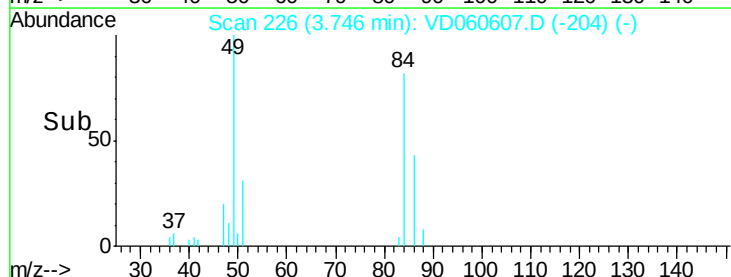
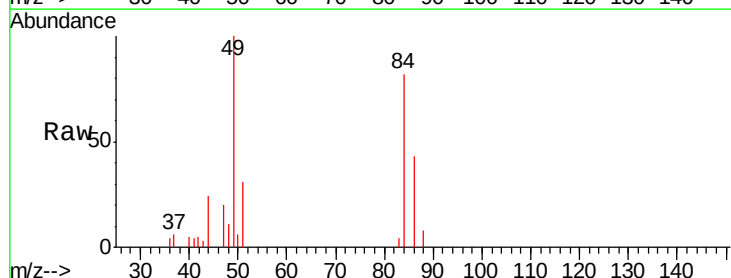
Ion Ratio Lower Upper

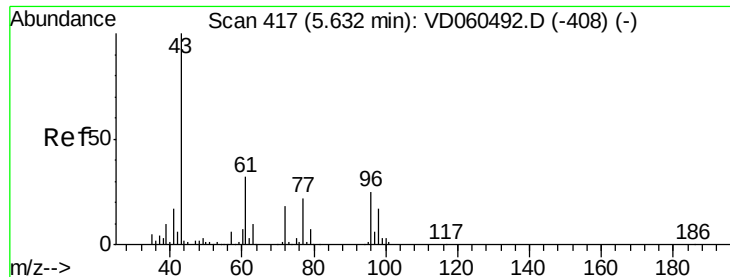
84 100

49 121.6 117.2 175.8

51 38.0 35.3 52.9

86 52.8 53.2 79.8#





#25

2-Butanone

Concen: 1.274 ug/l

RT: 5.65 min Scan# 419

Delta R.T. 0.01 min

Lab File: VD060607.D

Acq: 17 Dec 2018 18:52

Instrument :

MSVOA_D

ClientSampled :

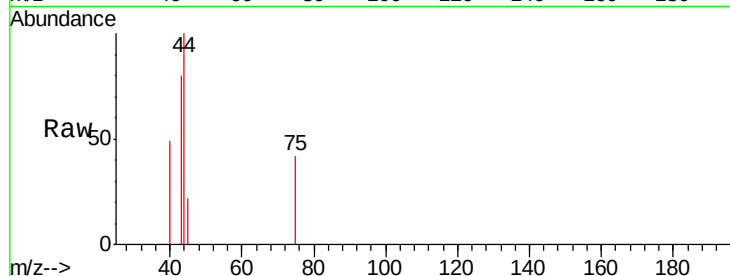
EB06_12-14

Tgt Ion: 43 Resp: 3507

Ion Ratio Lower Upper

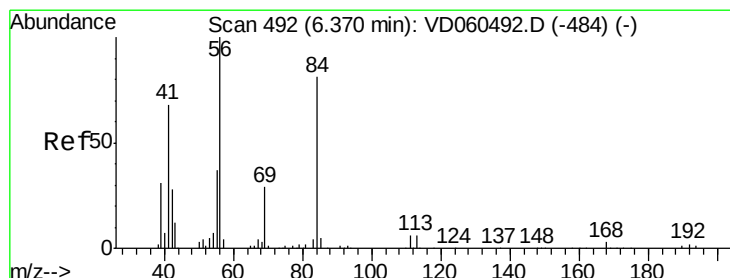
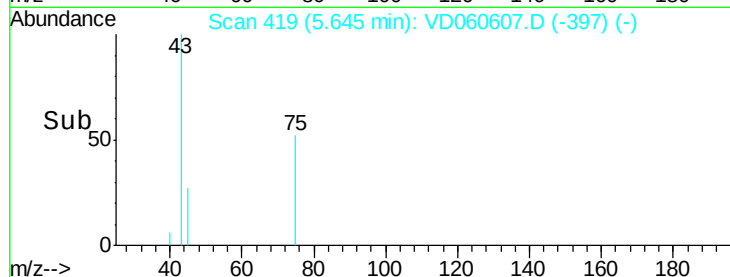
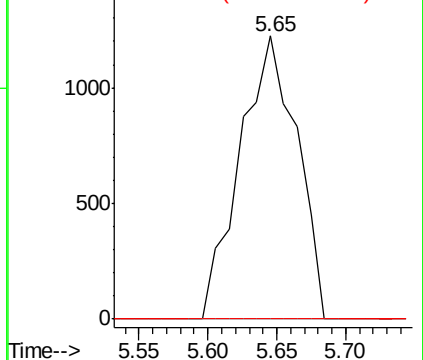
43 100

72 0.0 14.6 21.8#



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 72.00 (71.70 to 72.70): VDC



#31

Cyclohexane

Concen: Below Cal

RT: 6.42 min Scan# 498

Delta R.T. 0.05 min

Lab File: VD060607.D

Acq: 17 Dec 2018 18:52

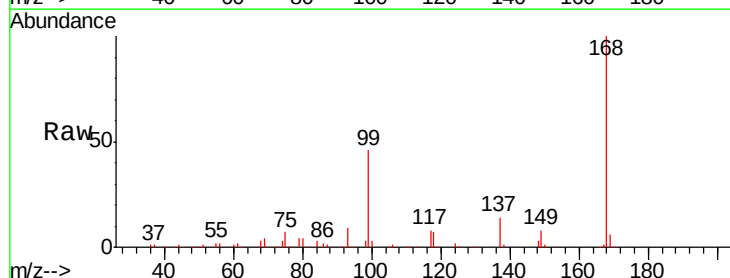
Tgt Ion: 56 Resp: 23556

Ion Ratio Lower Upper

56 100

69 236.0 22.8 34.2#

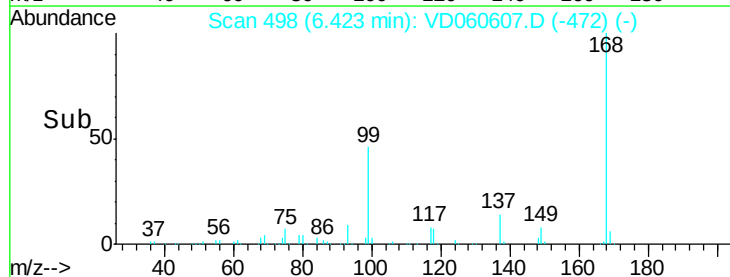
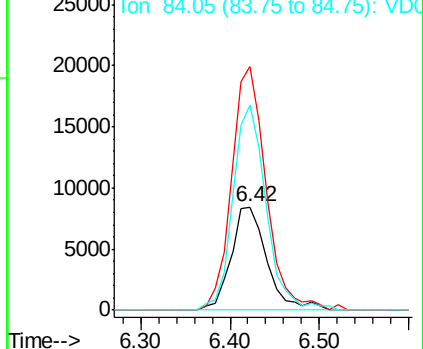
84 199.5 65.1 97.7#

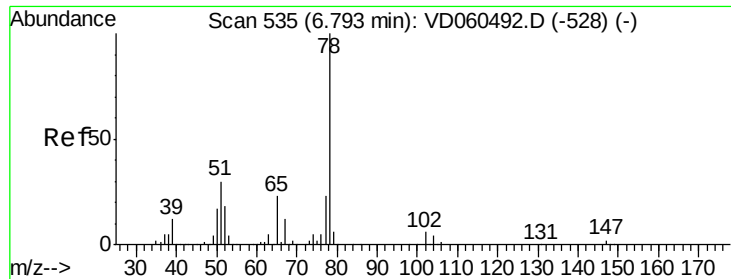


Abundance Ion 55.95 (55.65 to 56.65): VDC

Ion 69.00 (68.70 to 69.70): VDC

Ion 84.05 (83.75 to 84.75): VDC

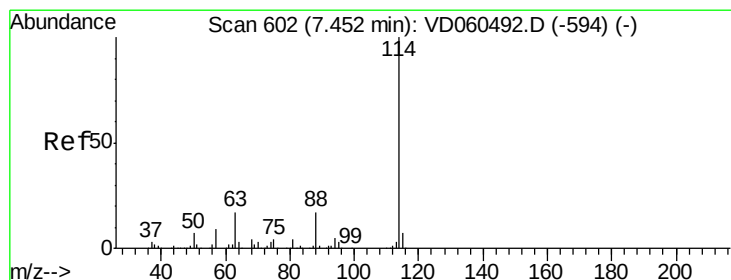
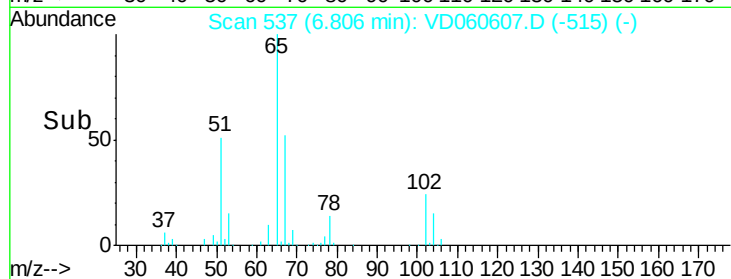
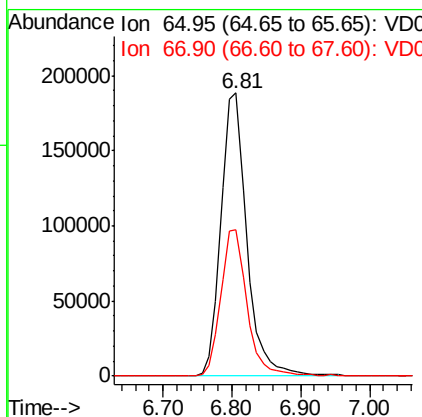
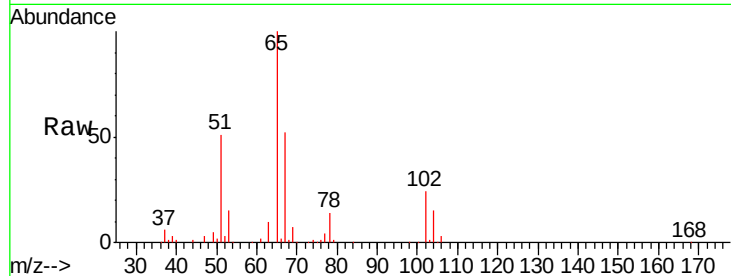




#33
 1,2-Dichloroethane-d4
 Concen: N.D. ug/l
 RT: 6.81 min Scan# 537
 Delta R.T. 0.01 min
 Lab File: VD060607.D
 Acq: 17 Dec 2018 18:52

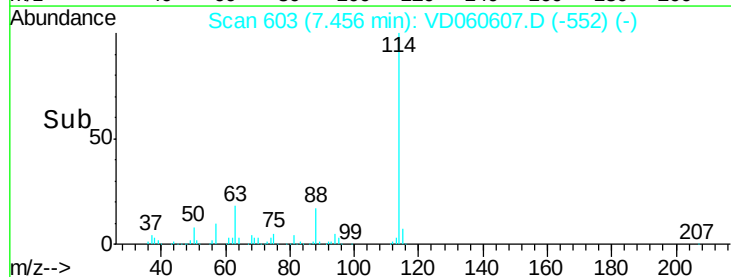
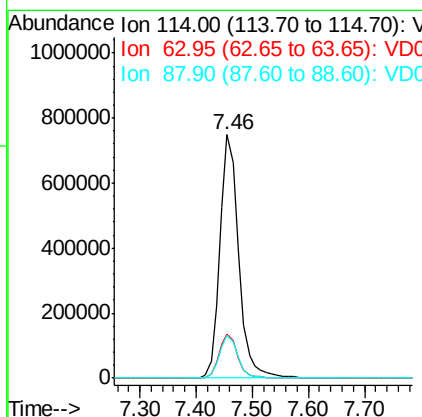
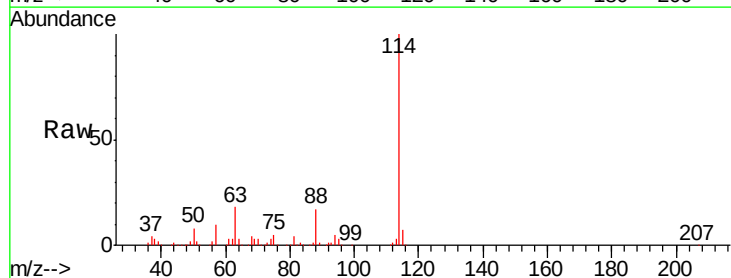
Instrument :
 MSVOA_D
 ClientSampleId :
 EB06_12-14

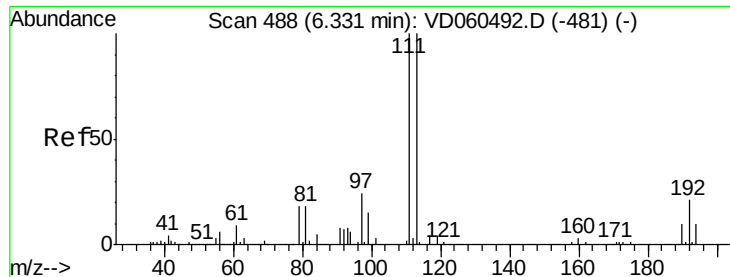
Tgt Ion: 65 Resp: 490905
 Ion Ratio Lower Upper
 65 100
 67 52.0 0.0 106.8



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 7.46 min Scan# 603
 Delta R.T. 0.00 min
 Lab File: VD060607.D
 Acq: 17 Dec 2018 18:52

Tgt Ion: 114 Resp: 1756178
 Ion Ratio Lower Upper
 114 100
 63 18.3 0.0 34.2
 88 17.3 0.0 35.0





#35

Dibromofluoromethane

Concen: 50.000 ug/l

RT: 6.34 min Scan# 490

Delta R.T. 0.01 min

Lab File: VD060607.D

Acq: 17 Dec 2018 18:52

Instrument :

MSVOA_D

ClientSampleId :

EB06_12-14

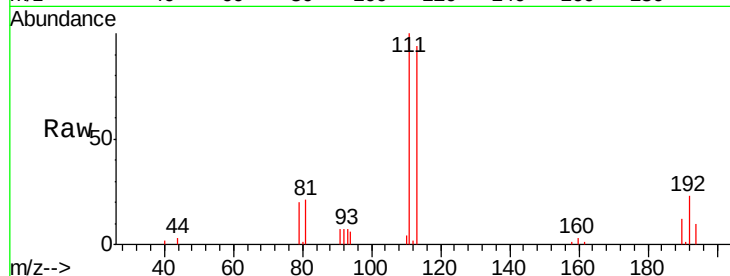
Tgt Ion:113 Resp: 96471

Ion Ratio Lower Upper

113 100

111 106.2 80.2 120.4

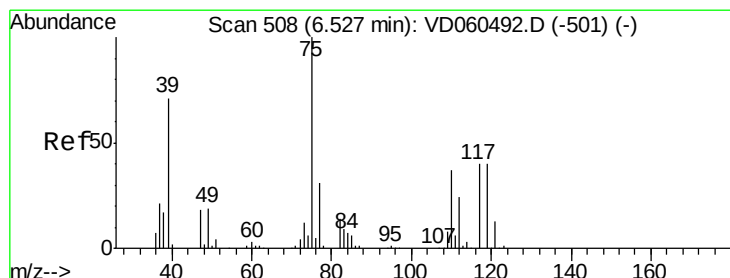
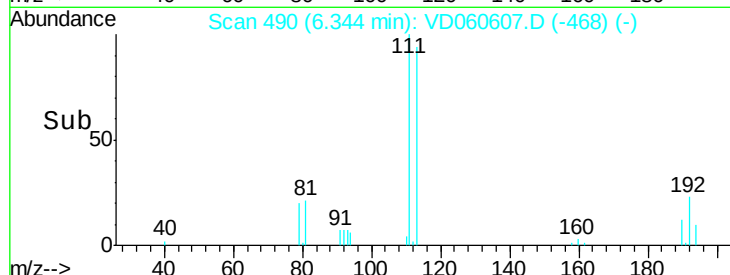
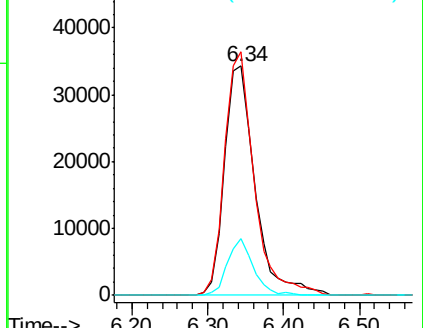
192 24.6 16.6 24.8



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: 5.231 ug/l

RT: 6.42 min Scan# 498

Delta R.T. -0.10 min

Lab File: VD060607.D

Acq: 17 Dec 2018 18:52

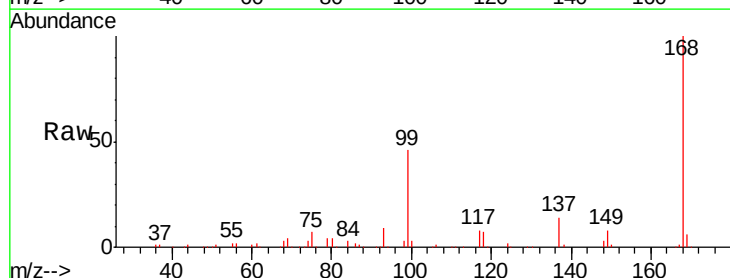
Tgt Ion: 75 Resp: 89794

Ion Ratio Lower Upper

75 100

110 6.9 18.3 54.8#

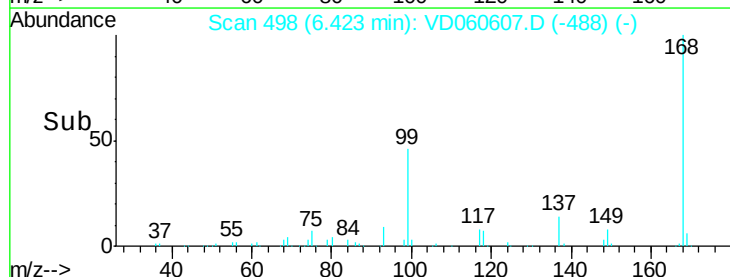
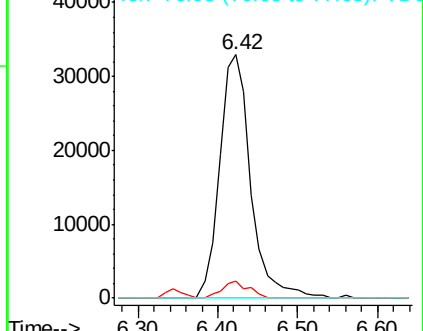
77 0.0 24.6 37.0#

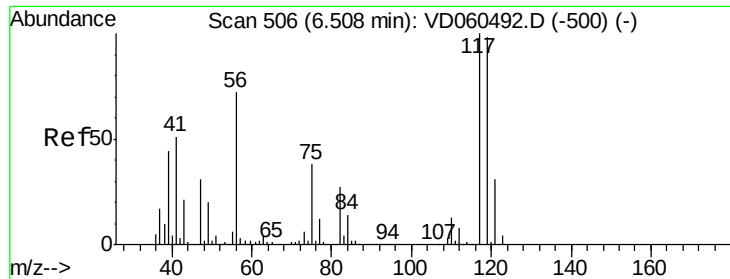


Abundance Ion 75.00 (74.70 to 75.70): V

Ion 109.90 (109.60 to 110.60): V

Ion 76.95 (76.65 to 77.65): V

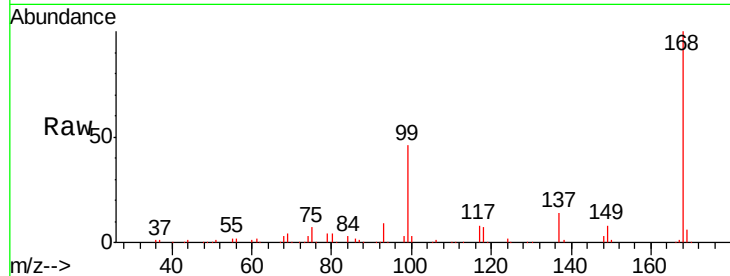




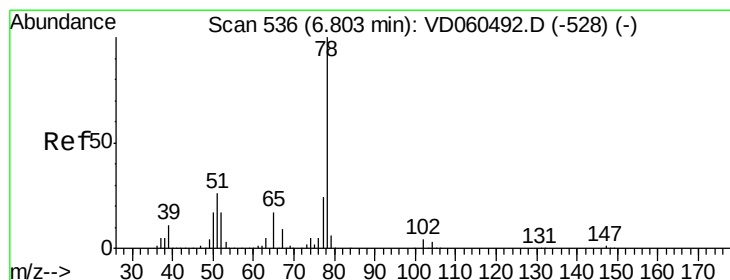
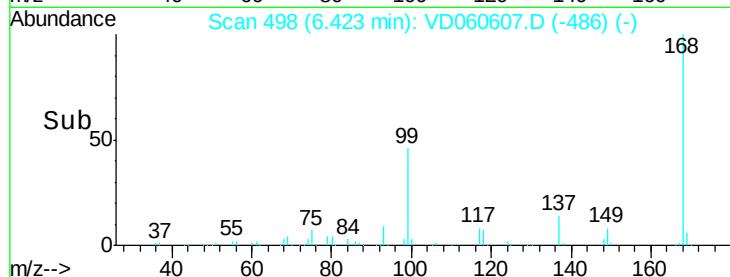
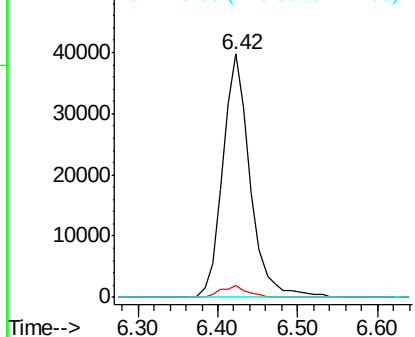
#38
 Carbon Tetrachloride
 Concen: 6.215 ug/l
 RT: 6.42 min Scan# 498
 Delta R.T. -0.09 min
 Lab File: VD060607.D
 Acq: 17 Dec 2018 18:52

Instrument :
 MSVOA_D
 ClientSampleId :
 EB06_12-14

Tgt Ion: 117 Resp: 95779
 Ion Ratio Lower Upper
 117 100
 119 4.7 76.8 115.2#
 121 0.0 24.4 36.6#

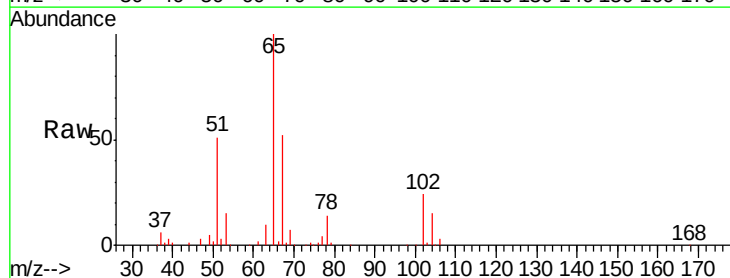


Abundance Ion 116.85 (116.55 to 117.55): V
 Ion 118.85 (118.55 to 119.55): V
 Ion 120.85 (120.55 to 121.55): V

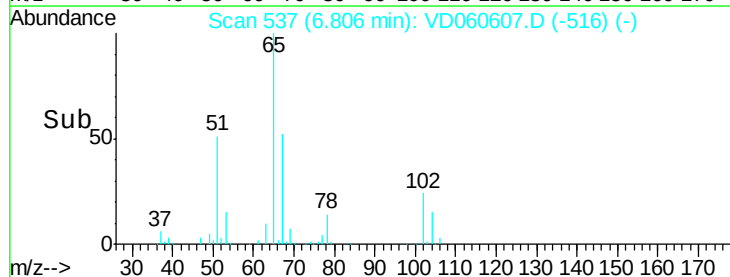
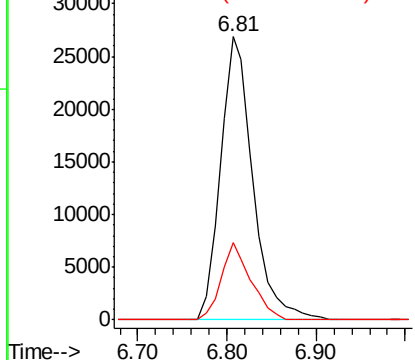


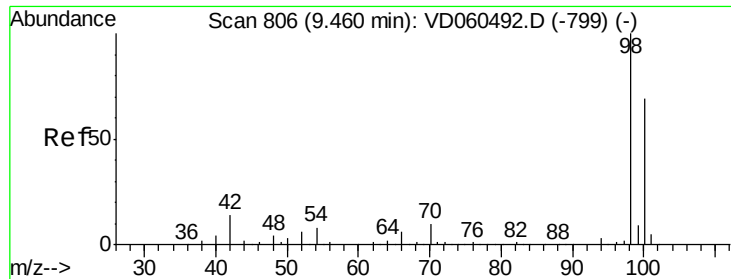
#40
 Benzene
 Concen: 1.547 ug/l
 RT: 6.81 min Scan# 537
 Delta R.T. 0.00 min
 Lab File: VD060607.D
 Acq: 17 Dec 2018 18:52

Tgt Ion: 78 Resp: 67861
 Ion Ratio Lower Upper
 78 100
 77 27.5 18.9 28.3



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

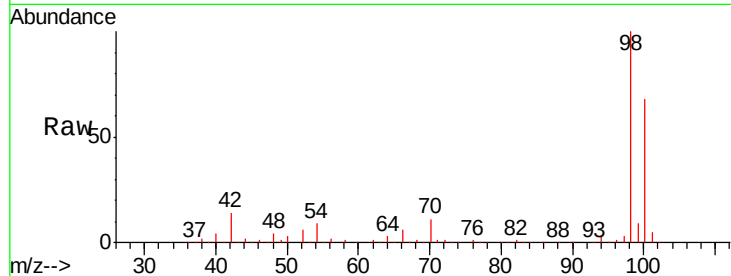




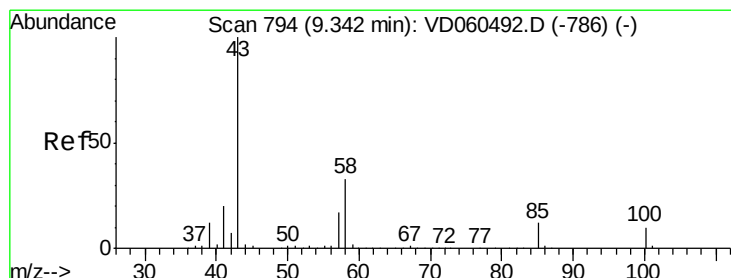
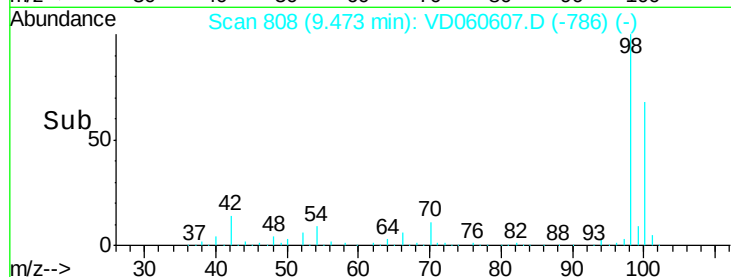
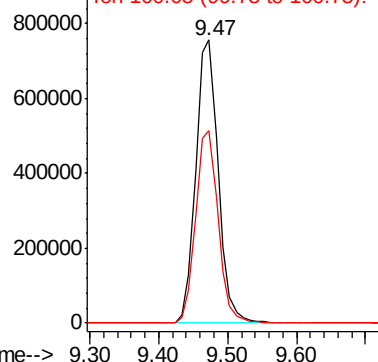
#50
Toluene-d8
Concen: N.D. ug/l
RT: 9.47 min Scan# 808
Delta R.T. 0.01 min
Lab File: VD060607.D
Acq: 17 Dec 2018 18:52

Instrument :
MSVOA_D
ClientSampleId :
EB06_12-14

Tgt Ion: 98 Resp: 1705708
Ion Ratio Lower Upper
98 100
100 68.1 55.7 83.5

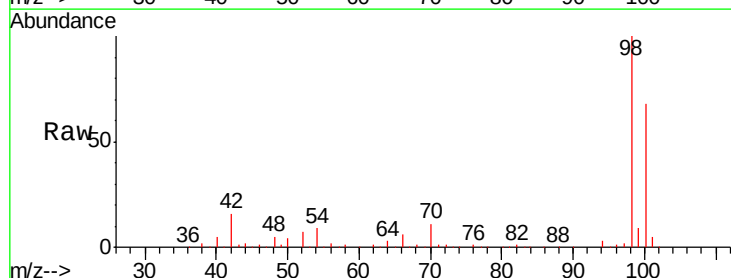


Abundance Ion 98.05 (97.75 to 98.75): VDC
Ion 100.05 (99.75 to 100.75): VDC

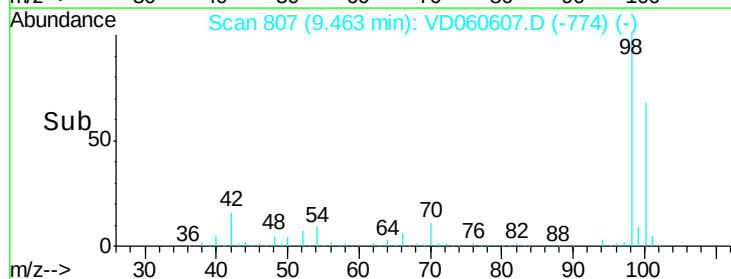
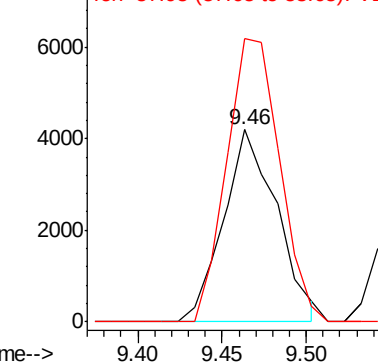


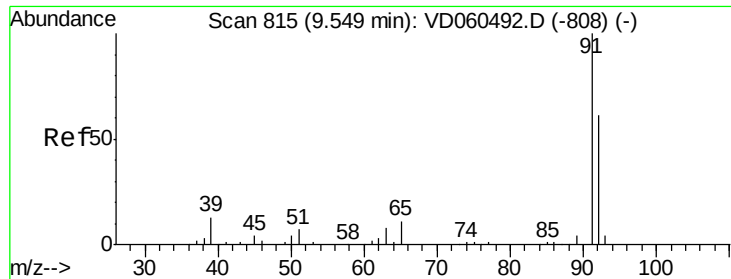
#51
4-Methyl-2-Pentanone
Concen: 1.613 ug/l
RT: 9.46 min Scan# 807
Delta R.T. 0.12 min
Lab File: VD060607.D
Acq: 17 Dec 2018 18:52

Tgt Ion: 43 Resp: 9219
Ion Ratio Lower Upper
43 100
58 147.4 26.3 39.5#



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





#52

Toluene

Concen: 13.975 ug/l

RT: 9.56 min Scan# 817

Delta R.T. 0.01 min

Lab File: VD060607.D

Acq: 17 Dec 2018 18:52

Instrument :

MSVOA_D

ClientSampleId :

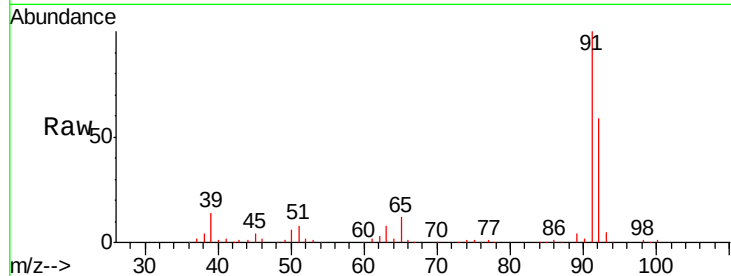
EB06_12-14

Tgt Ion: 92 Resp: 383194

Ion Ratio Lower Upper

92 100

91 170.0 131.7 197.5



Abundance Ion 92.00 (91.70 to 92.70): VDC

Ion 91.00 (90.70 to 91.70): VDC

300000

200000

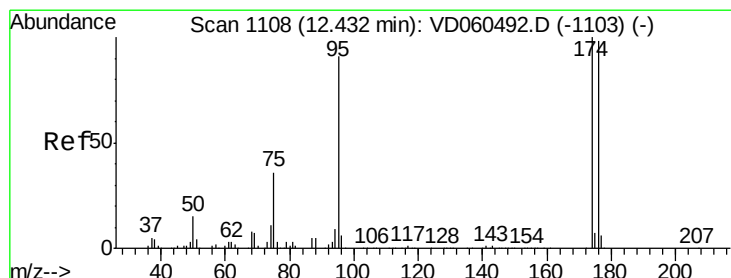
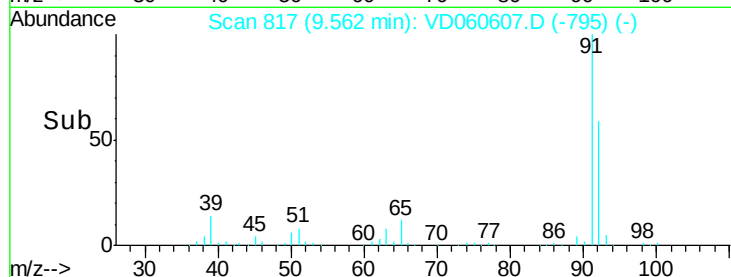
100000

0

9.56

9.50 9.60 9.70

Time-->



#62

4-Bromofluorobenzene

Concen: N.D. ug/l

RT: 12.44 min Scan# 1109

Delta R.T. 0.00 min

Lab File: VD060607.D

Acq: 17 Dec 2018 18:52

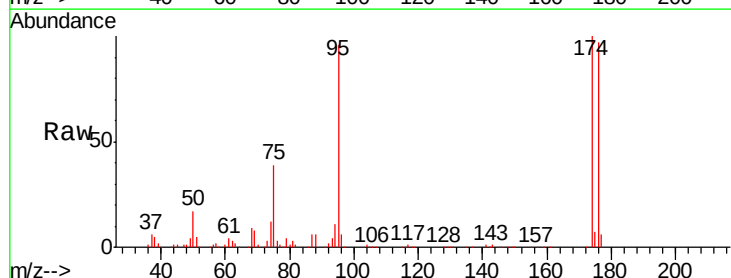
Tgt Ion: 95 Resp: 513027

Ion Ratio Lower Upper

95 100

174 103.7 0.0 219.4

176 101.0 0.0 214.6



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

500000

400000

300000

200000

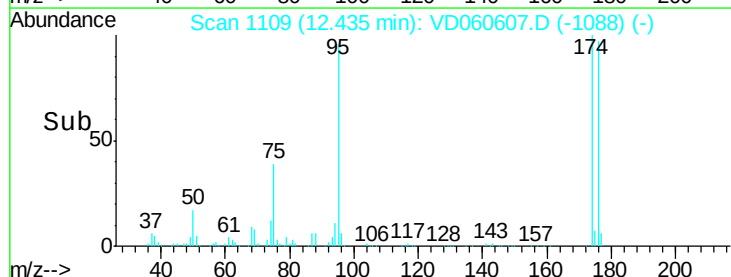
100000

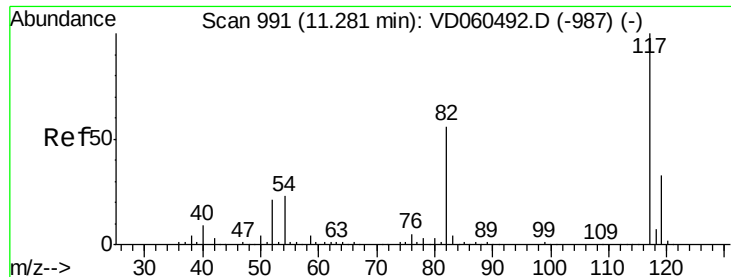
0

12.44

12.30 12.40 12.50 12.60

Time-->

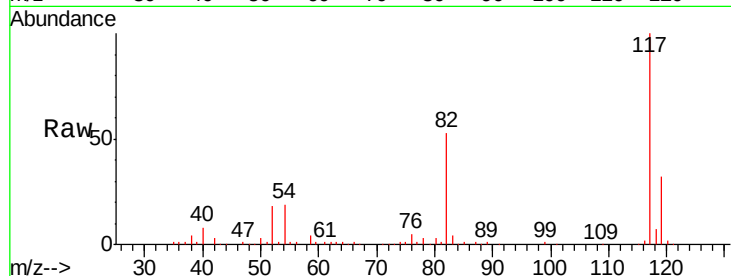




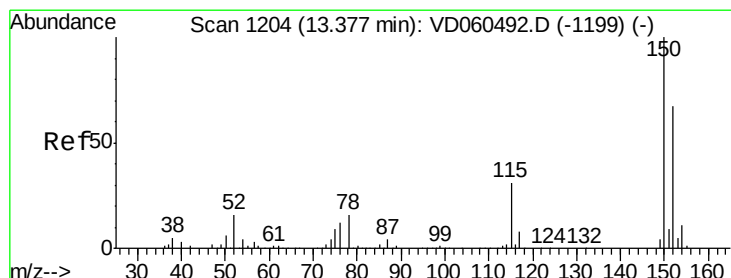
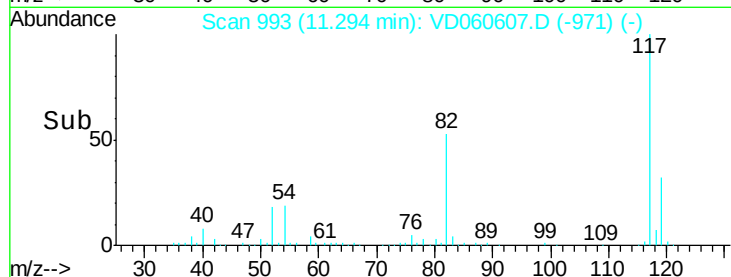
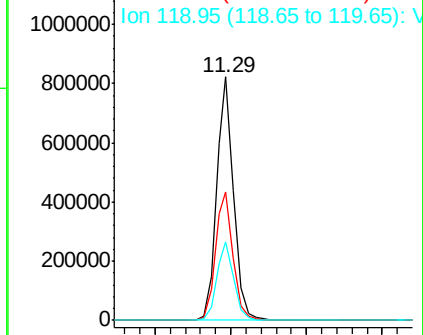
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.29 min Scan# 993
Delta R.T. 0.01 min
Lab File: VD060607.D
Acq: 17 Dec 2018 18:52

Instrument :
MSVOA_D
ClientSampleId :
EB06_12-14

Tgt Ion:117 Resp: 1286650
Ion Ratio Lower Upper
117 100
82 52.7 45.2 67.8
119 32.5 26.1 39.1

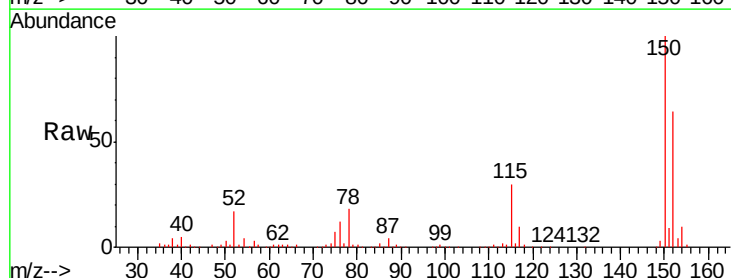


Abundance Ion 116.95 (116.65 to 117.65): V
Ion 82.05 (81.75 to 82.75): V
Ion 118.95 (118.65 to 119.65): V

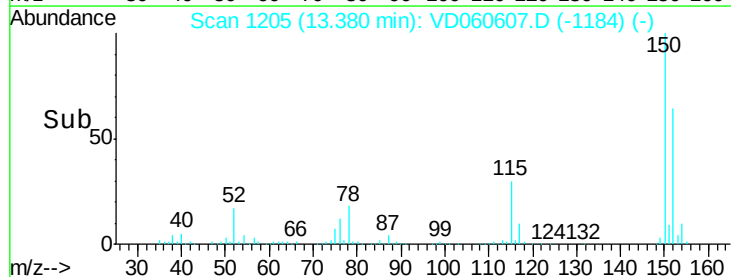
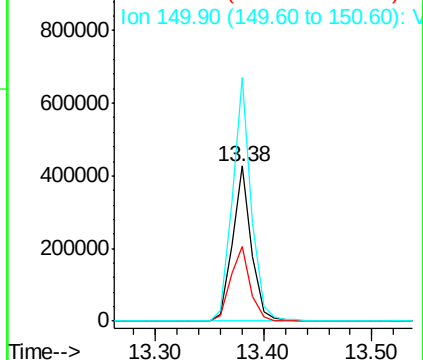


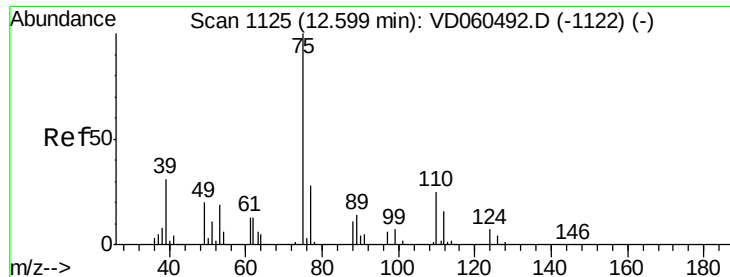
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.38 min Scan# 1205
Delta R.T. 0.00 min
Lab File: VD060607.D
Acq: 17 Dec 2018 18:52

Tgt Ion:152 Resp: 516318
Ion Ratio Lower Upper
152 100
115 47.8 24.6 74.0
150 157.0 0.0 309.0



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: 34.541 ug/l

RT: 12.44 min Scan# 1109

Delta R.T. -0.16 min

Lab File: VD060607.D

Acq: 17 Dec 2018 18:52

Instrument :

MSVOA_D

ClientSampleId :

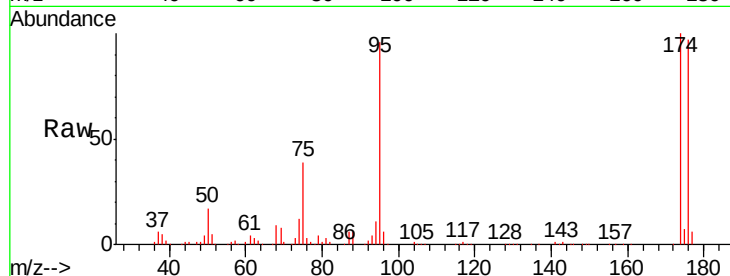
EB06_12-14

Tgt Ion: 75 Resp: 202071

Ion Ratio Lower Upper

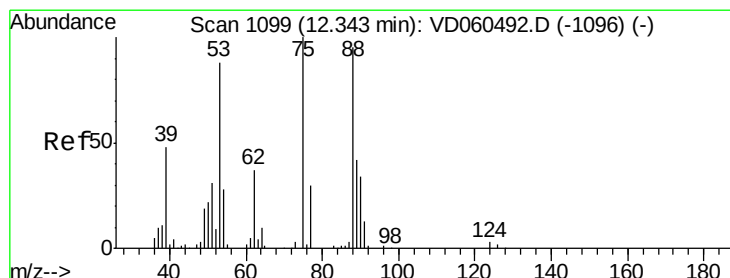
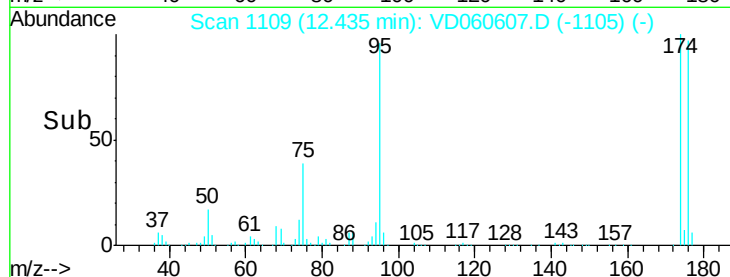
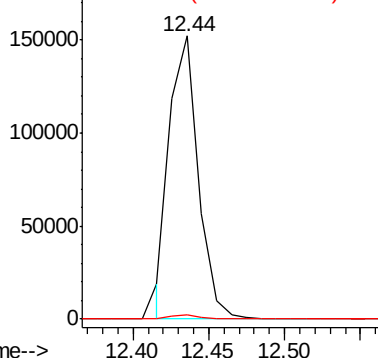
75 100

77 1.6 16.4 49.4#



Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 76.95 (76.65 to 77.65): VDC



#81

trans-1,4-Dichloro-2-butene

Concen: 131.013 ug/l

RT: 12.44 min Scan# 1109

Delta R.T. 0.09 min

Lab File: VD060607.D

Acq: 17 Dec 2018 18:52

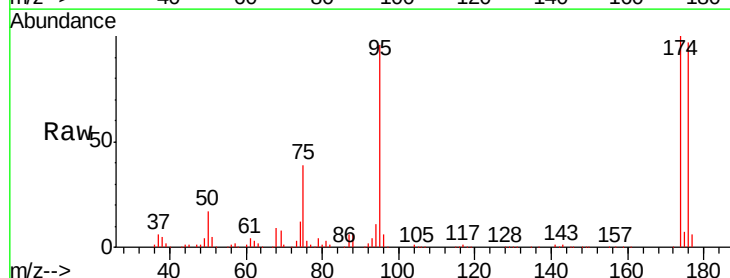
Tgt Ion: 75 Resp: 213767

Ion Ratio Lower Upper

75 100

53 0.0 70.5 105.7#

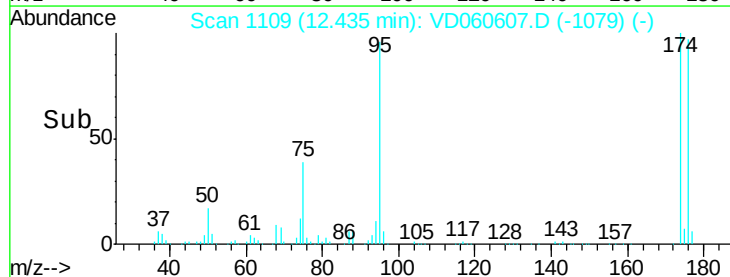
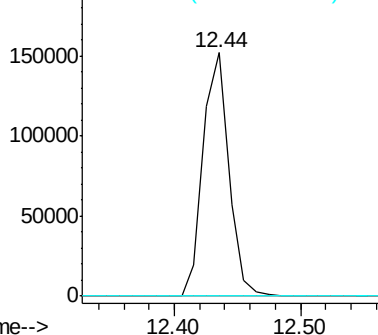
89 0.0 33.6 50.4#

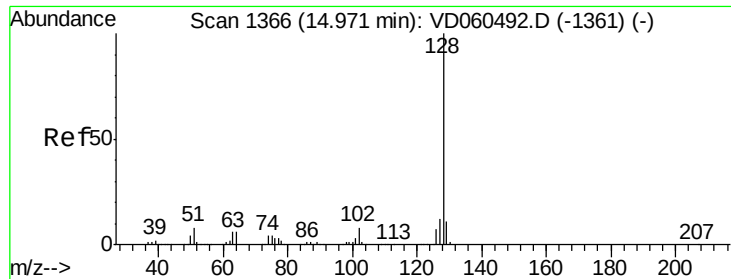


Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 53.00 (52.70 to 53.70): VDC

Ion 89.00 (88.70 to 89.70): VDC

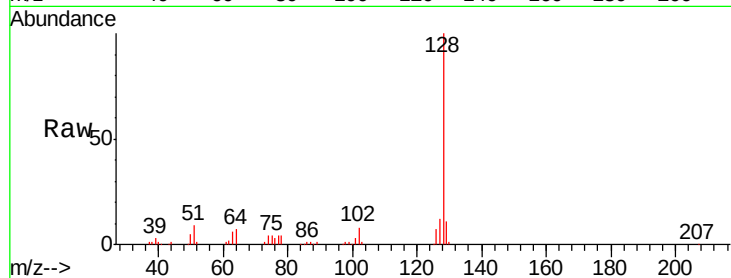




#95
Naphthalene
Concen: 11.683 ug/l
RT: 14.97 min Scan# 1367
Delta R.T. 0.00 min
Lab File: VD060607.D
Acq: 17 Dec 2018 18:52

Instrument :
MSVOA_D
ClientSampleId :
EB06_12-14

Tgt Ion	Ratio	Lower	Upper
128	100		
127	11.8	9.8	14.8
129	10.9	8.6	13.0



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

