

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD121818\
 Data File : VD060628.D
 Acq On : 18 Dec 2018 18:31
 Operator : VA/AP
 Sample : J6445-04RE
 Misc : 5.08g/5ml/MSVOA D/SOIL
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 EB02_6-8RE

Quant Time: Dec 19 02:49:47 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	6.41	168	107669	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	7.45	114	176719	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.29	117	183298	50.00	ug/l	0.01
72) 1,4-Dichlorobenzene-d4	13.38	152	103006	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.79	65	81678	107.03	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	214.06%	
35) Dibromofluoromethane	6.33	113	73238	56.42	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	112.84%	
50) Toluene-d8	9.46	98	150788	40.14	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	80.28%	
62) 4-Bromofluorobenzene	12.44	95	67340	50.10	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	100.20%	

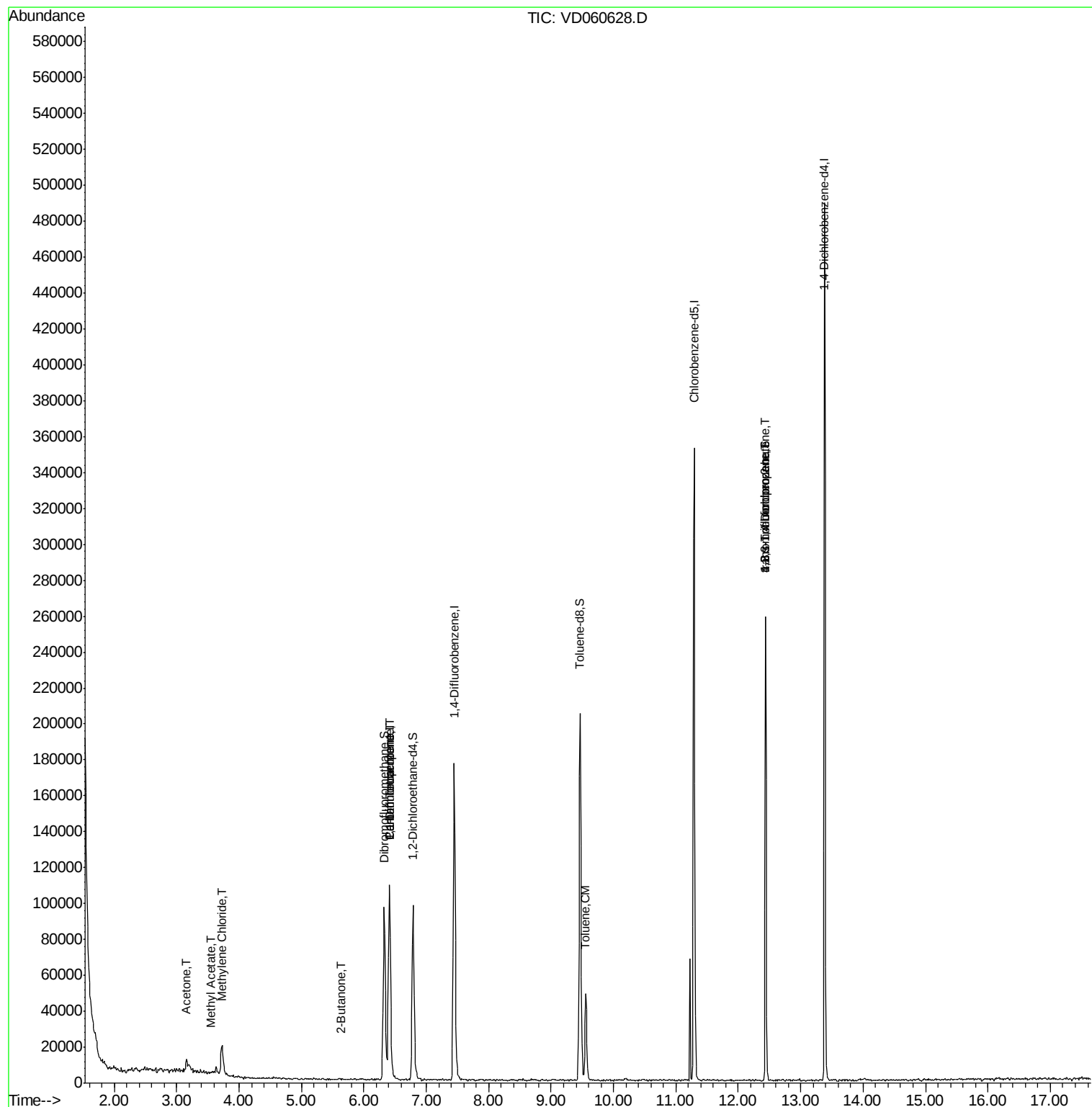
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
16) Acetone	3.16	43	12351	100.967	ug/l #	86
18) Methyl Acetate	3.55	43	1145	3.938	ug/l #	64
20) Methylene Chloride	3.72	84	10938	5.783	ug/l #	90
25) 2-Butanone	5.64	43	379	1.575	ug/l #	59
31) Cyclohexane	6.40	56	1529	Below Cal	#	1
36) 1,1-Dichloropropene	6.40	75	7910	4.579	ug/l #	41
38) Carbon Tetrachloride	6.41	117	7594	4.897	ug/l #	12
52) Toluene	9.55	92	25058	9.081	ug/l	97
76) 1,2,3-Trichloropropane	12.44	75	30693	26.298	ug/l #	42
81) trans-1,4-Dichloro-2-buten	12.44	75	31299	96.152	ug/l #	14
89) n-Butylbenzene	13.67	91	198	Below Cal	#	29

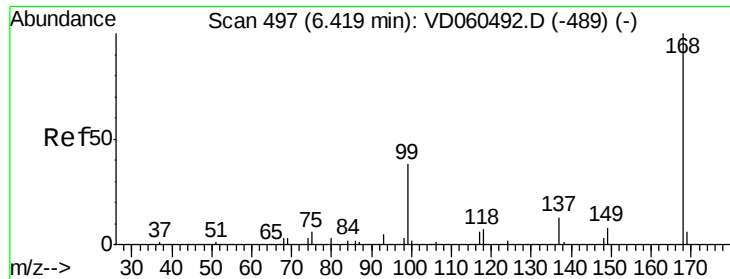
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD121818\
Data File : VD060628.D
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Quant Time: Dec 19 02:49:47 2018
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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: 6.41 min Scan# 497

Delta R.T. -0.01 min

Lab File: VD060628.D

Acq: 18 Dec 2018 18:31

Instrument :

MSVOA_D

ClientSampleId :

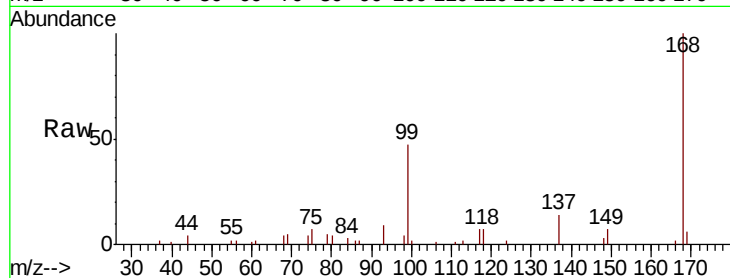
EB02_6-8RE

Tot Ion:168 Resp: 107669

Ion Ratio Lower Upper

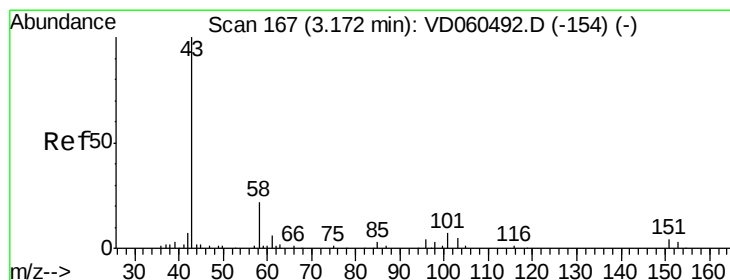
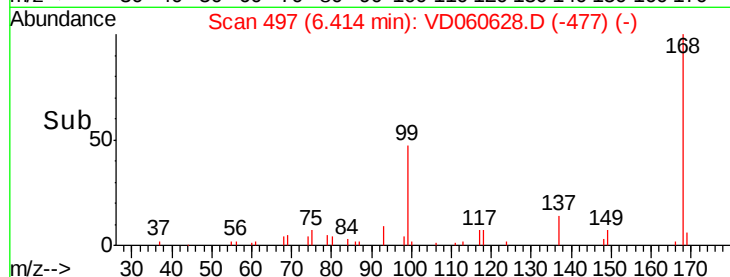
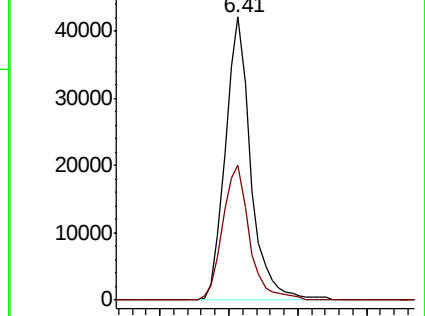
168 100

99 47.5 35.6 53.4



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC



#16

Acetone

Concen: 100.967 ug/l

RT: 3.16 min Scan# 166

Delta R.T. -0.02 min

Lab File: VD060628.D

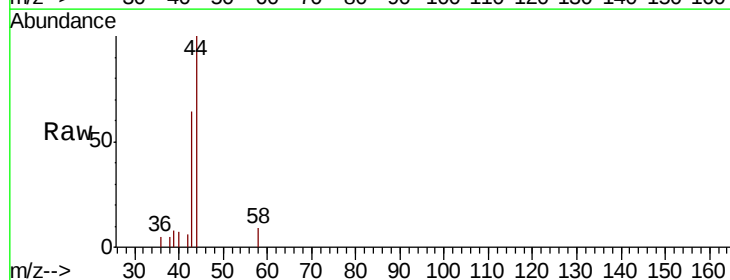
Acq: 18 Dec 2018 18:31

Tgt Ion: 43 Resp: 12351

Ion Ratio Lower Upper

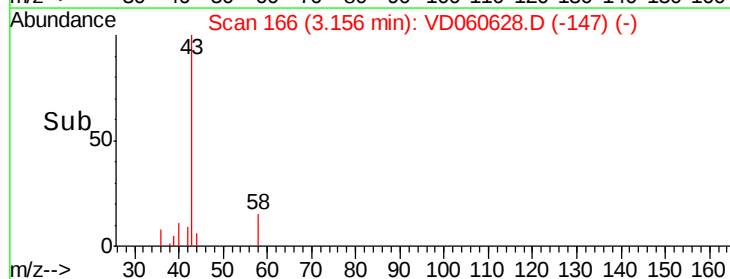
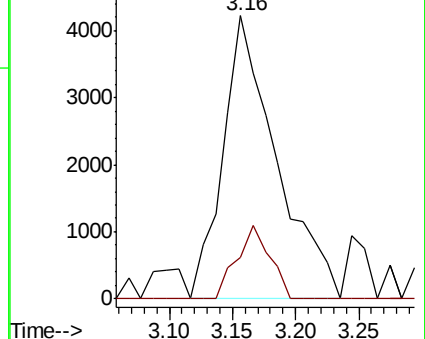
43 100

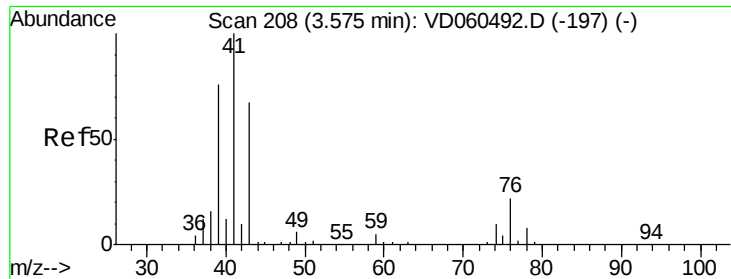
58 14.7 17.3 25.9#



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC

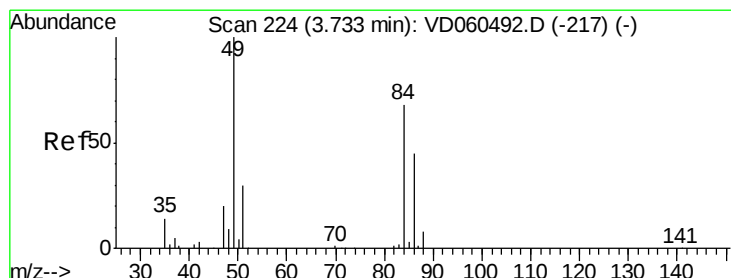
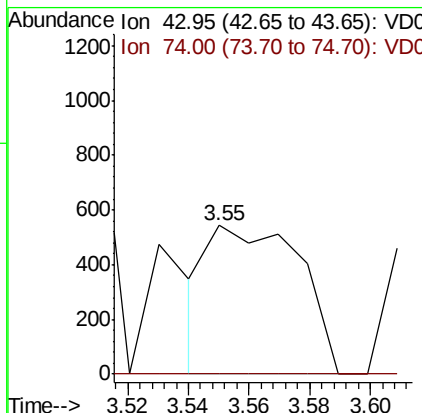
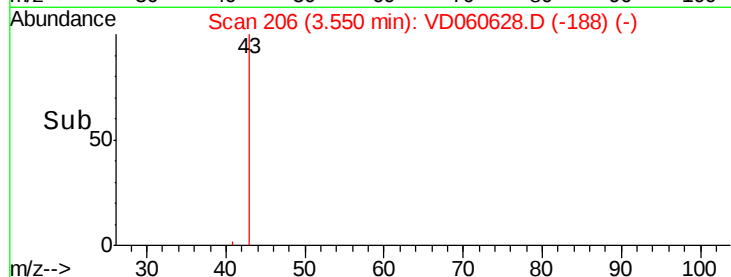
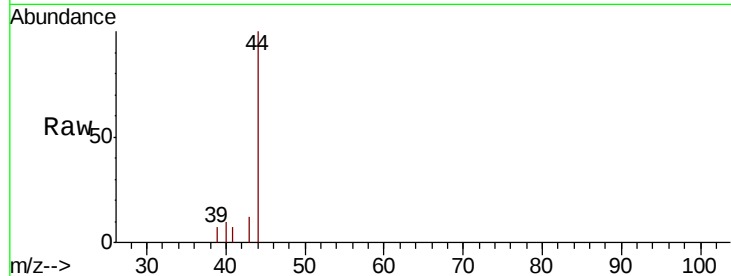




#18
Methyl Acetate
Concen: 3.938 ug/l
RT: 3.55 min Scan# 206
Delta R.T. -0.03 min
Lab File: VD060628.D
Acq: 18 Dec 2018 18:31

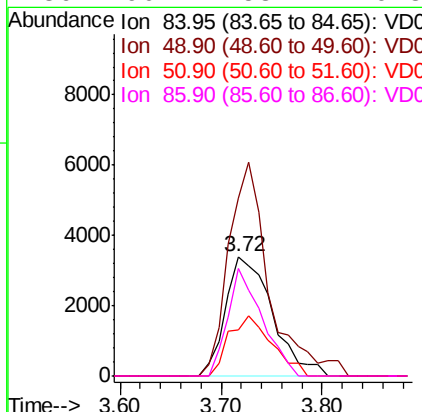
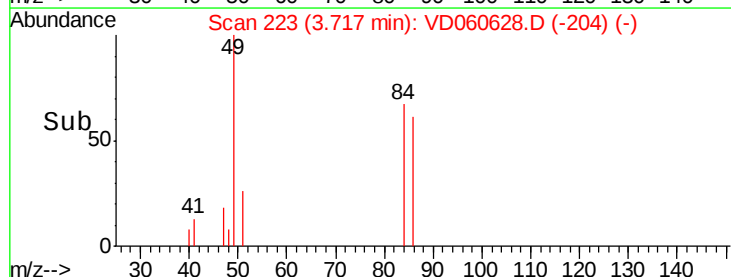
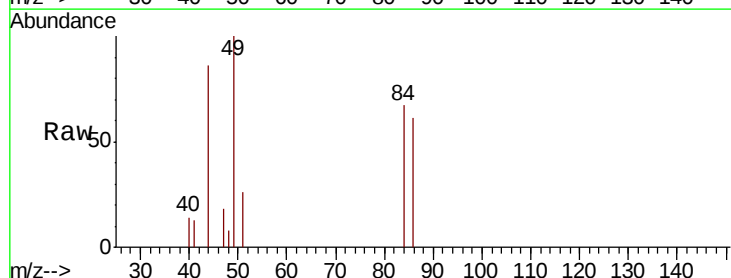
Instrument :
MSVOA_D
ClientSampleID :
EB02_6-8RE

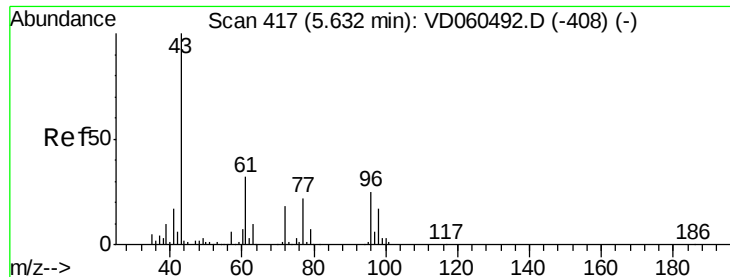
Tot Ion: 43 Resp: 1145
Ion Ratio Lower Upper
43 100
74 0.0 12.0 18.0#



#20
Methylene Chloride
Concen: 5.783 ug/l
RT: 3.72 min Scan# 223
Delta R.T. -0.01 min
Lab File: VD060628.D
Acq: 18 Dec 2018 18:31

Tgt Ion: 84 Resp: 10938
Ion Ratio Lower Upper
84 100
49 148.9 117.2 175.8
51 39.2 35.3 52.9
86 90.2 53.2 79.8#





#25

2-Butanone

Concen: 1.575 ug/l

RT: 5.64 min Scan# 418

Delta R.T. 0.00 min

Lab File: VD060628.D

Acq: 18 Dec 2018 18:31

Instrument :

MSVOA_D

ClientSampleId :

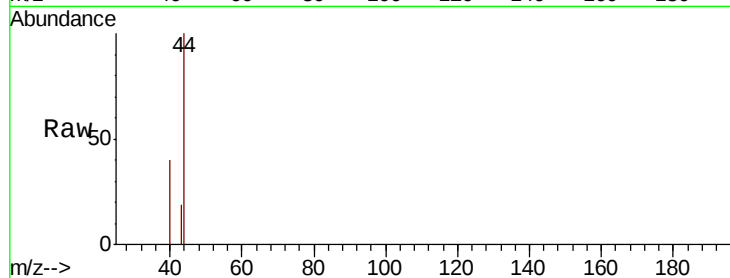
EB02_6-8RE

Tot Ion: 43 Resp: 379

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

5.64

300

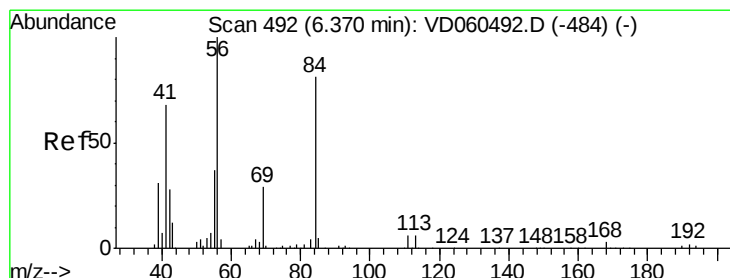
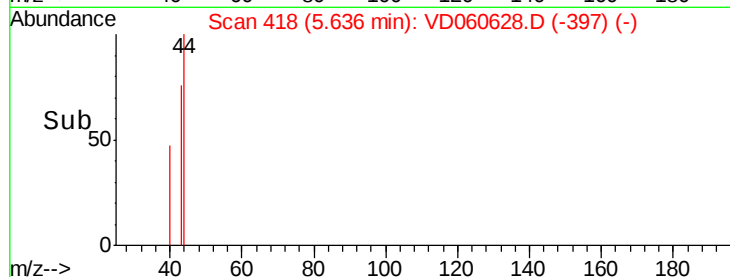
200

100

0

5.60 5.65

Time-->



#31

Cyclohexane

Concen: Below Cal

RT: 6.40 min Scan# 496

Delta R.T. 0.03 min

Lab File: VD060628.D

Acq: 18 Dec 2018 18:31

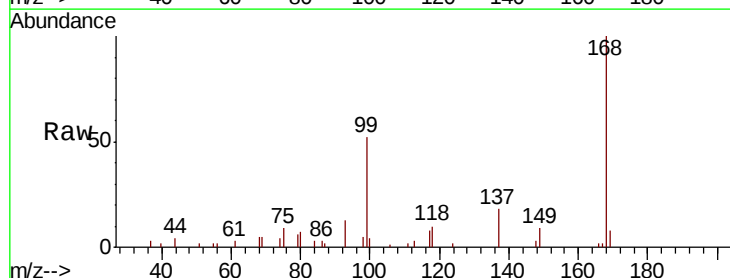
Tgt Ion: 56 Resp: 1529

Ion Ratio Lower Upper

56 100

69 215.1 22.8 34.2#

84 136.6 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

3000

2500

2000

1500

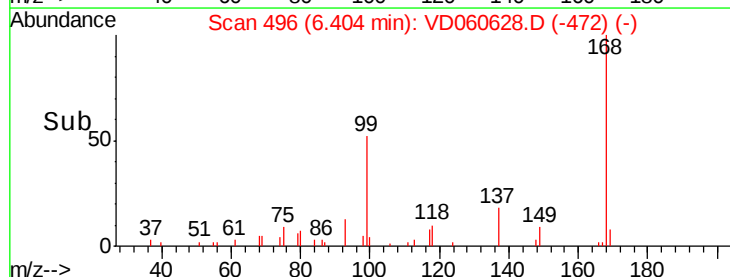
1000

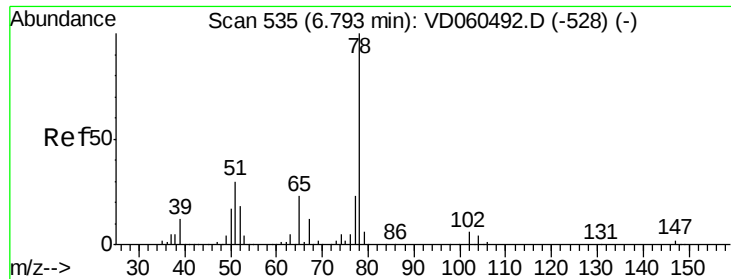
500

0

6.35 6.40 6.45

Time-->





#33

1,2-Dichloroethane-d4

Concen: N.D. ug/l

RT: 6.79 min Scan# 535

Delta R.T. -0.01 min

Lab File: VD060628.D

Acq: 18 Dec 2018 18:31

Instrument :

MSVOA_D

ClientSampleId :

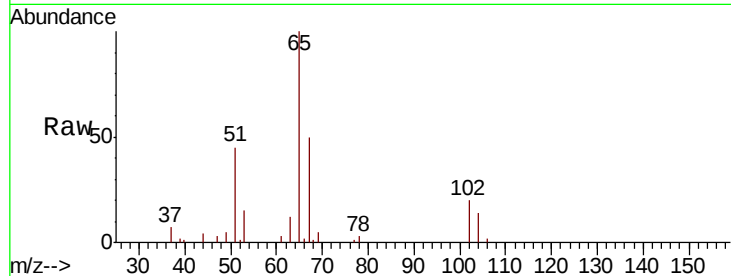
EB02_6-8RE

Tot Ion: 65 Resp: 81678

Ion Ratio Lower Upper

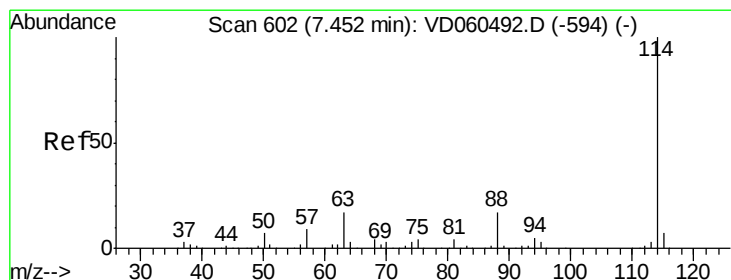
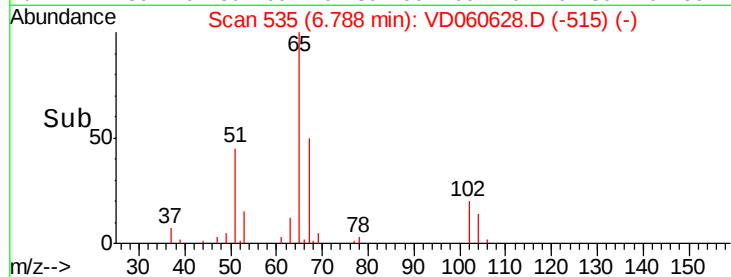
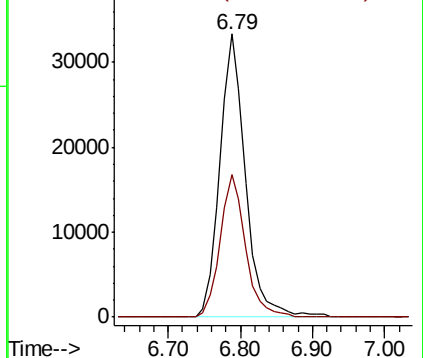
65 100

67 50.4 0.0 106.8



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: 7.45 min Scan# 602

Delta R.T. -0.01 min

Lab File: VD060628.D

Acq: 18 Dec 2018 18:31

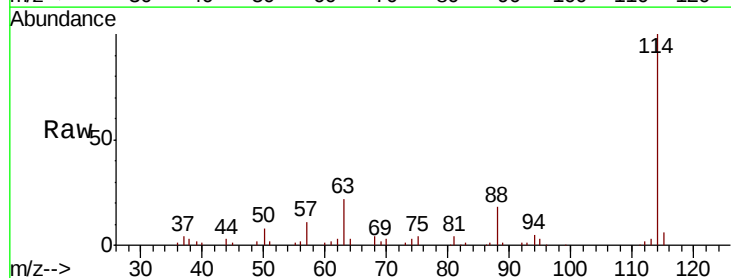
Tgt Ion: 114 Resp: 176719

Ion Ratio Lower Upper

114 100

63 21.6 0.0 34.2

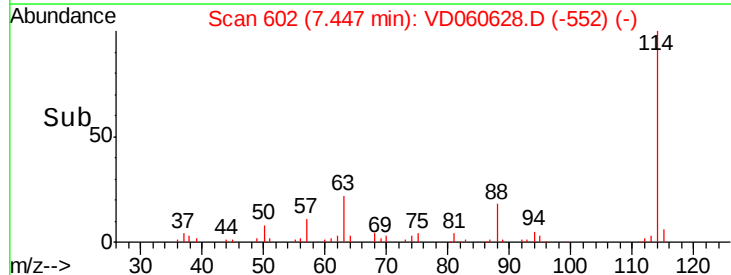
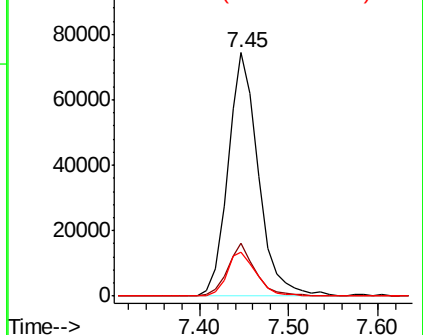
88 17.8 0.0 35.0

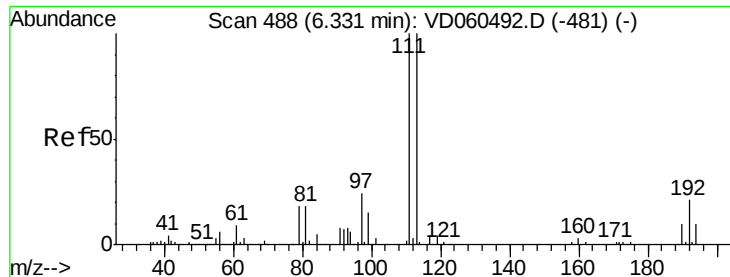


Abundance Ion 114.00 (113.70 to 114.70): V

Ion 62.95 (62.65 to 63.65): VDC

Ion 87.90 (87.60 to 88.60): VDC





#35

Dibromofluoromethane

Concen: 50.000 ug/l

RT: 6.33 min Scan# 488

Delta R.T. -0.01 min

Lab File: VD060628.D

Acq: 18 Dec 2018 18:31

Instrument :

MSVOA_D

ClientSampleId :

EB02_6-8RE

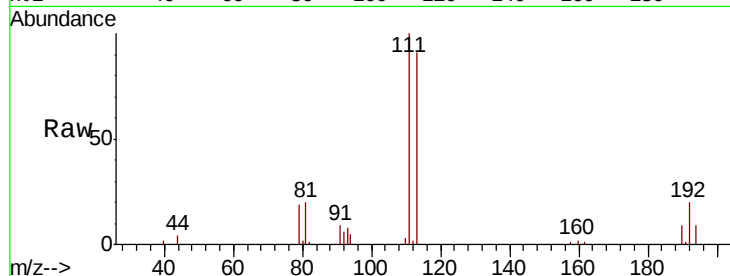
Tot Ion:113 Resp: 73238

Ion Ratio Lower Upper

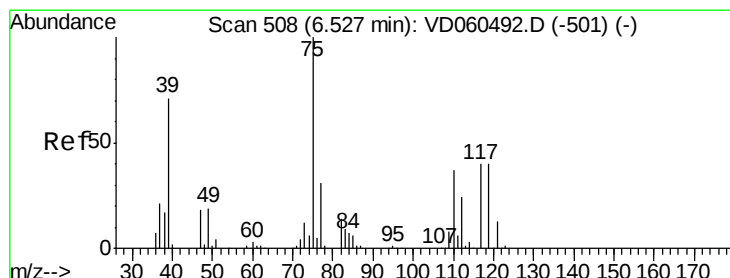
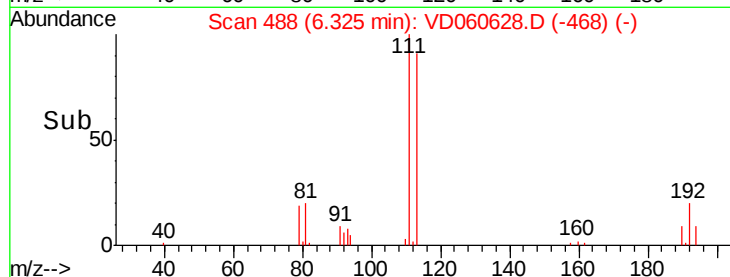
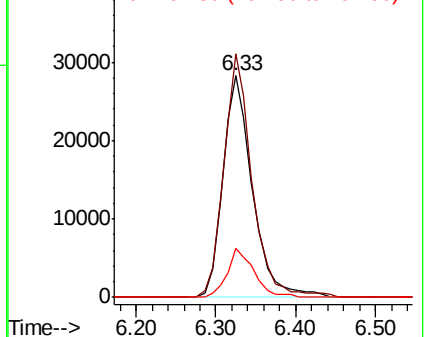
113 100

111 109.9 80.2 120.4

192 22.4 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: 4.579 ug/l

RT: 6.40 min Scan# 496

Delta R.T. -0.12 min

Lab File: VD060628.D

Acq: 18 Dec 2018 18:31

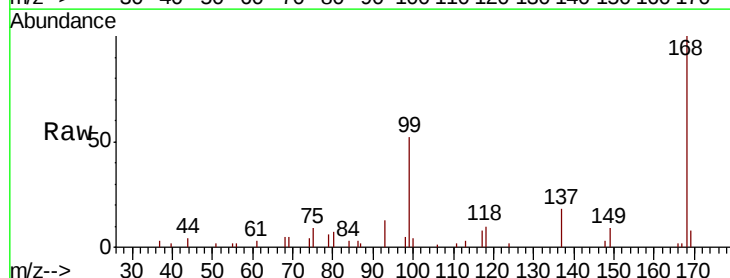
Tgt Ion: 75 Resp: 7910

Ion Ratio Lower Upper

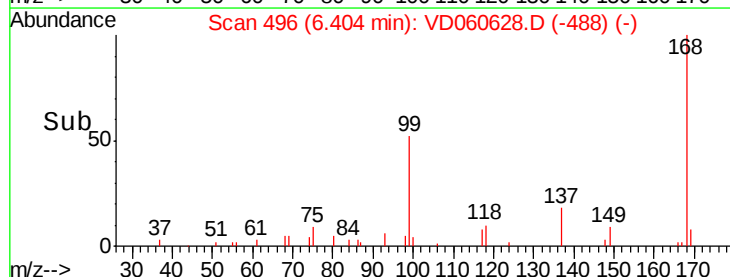
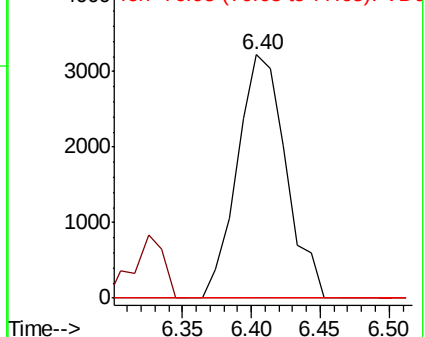
75 100

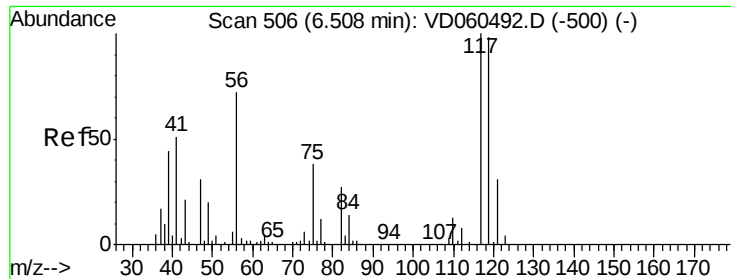
110 0.0 18.3 54.8#

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

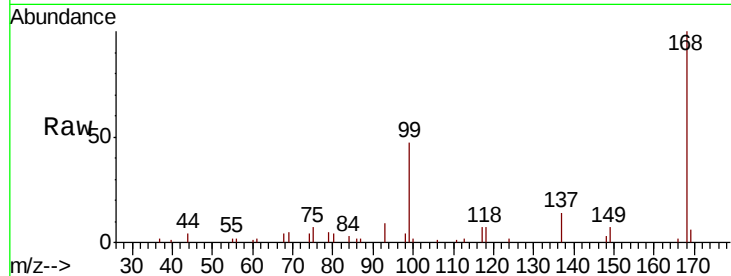




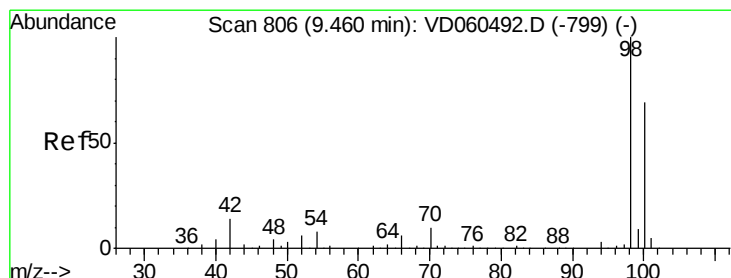
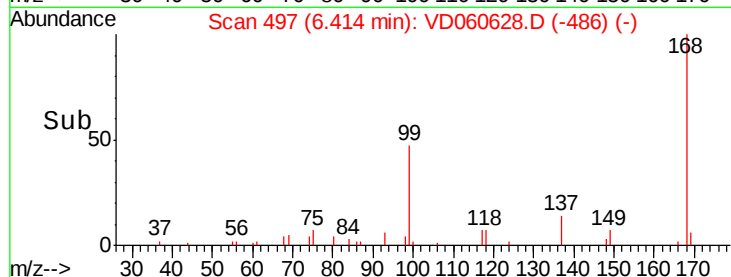
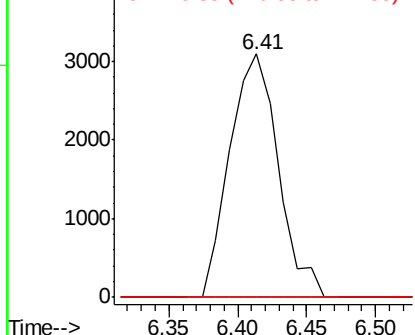
#38
Carbon Tetrachloride
Concen: 4.897 ug/l
RT: 6.41 min Scan# 497
Delta R.T. -0.09 min
Lab File: VD060628.D
Acq: 18 Dec 2018 18:31

Instrument :
MSVOA_D
ClientSampleId :
EB02_6-8RE

Tot Ion:117 Resp: 7594
Ion Ratio Lower Upper
117 100
119 0.0 76.8 115.2#
121 0.0 24.4 36.6#

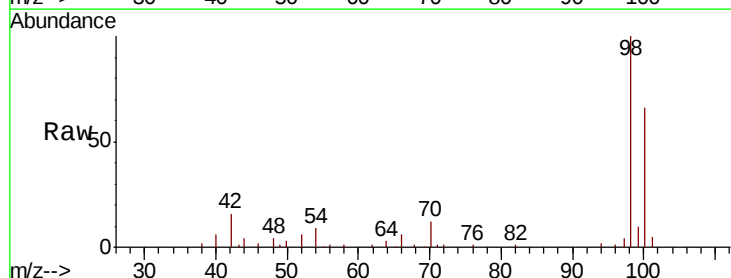


Abundance Ion 116.85 (116.55 to 117.55): V
Ion 118.85 (118.55 to 119.55): V
Ion 120.85 (120.55 to 121.55): V

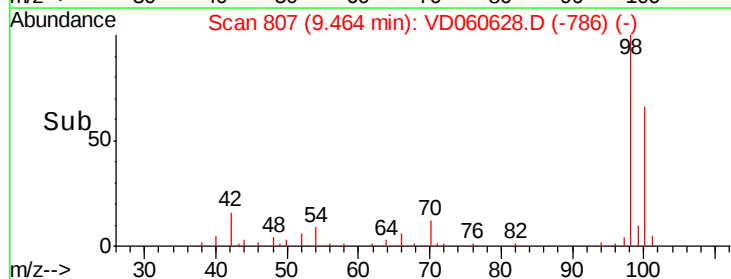
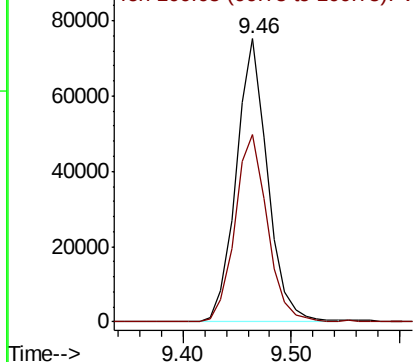


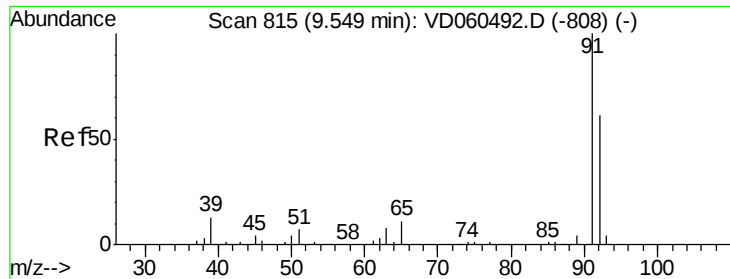
#50
Toluene-d8
Concen: N.D. ug/l
RT: 9.46 min Scan# 807
Delta R.T. 0.00 min
Lab File: VD060628.D
Acq: 18 Dec 2018 18:31

Tgt Ion: 98 Resp: 150788
Ion Ratio Lower Upper
98 100
100 66.1 55.7 83.5



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





#52

Toluene

Concen: 9.081 ug/l

RT: 9.55 min Scan# 816

Delta R.T. 0.00 min

Lab File: VD060628.D

Acq: 18 Dec 2018 18:31

Instrument :

MSVOA_D

ClientSampleId :

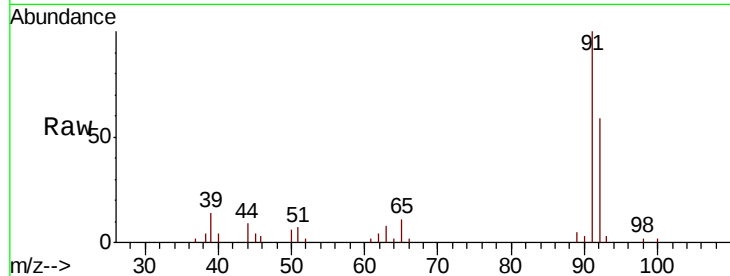
EB02_6-8RE

Tot Ion: 92 Resp: 25058

Ion Ratio Lower Upper

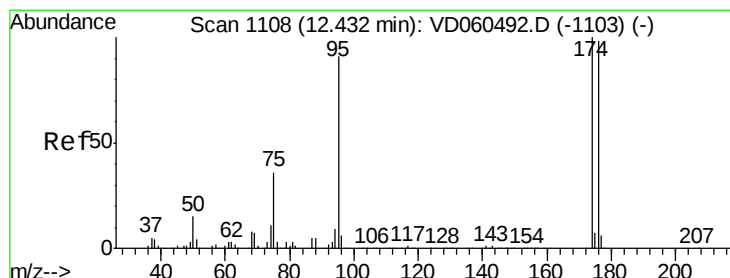
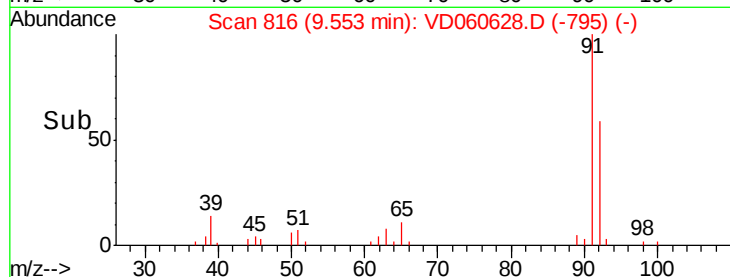
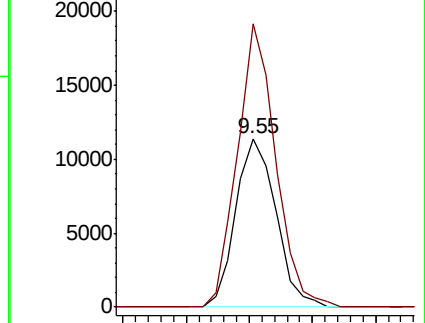
92 100

91 168.3 131.7 197.5



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: 12.44 min Scan# 1109

Delta R.T. 0.00 min

Lab File: VD060628.D

Acq: 18 Dec 2018 18:31

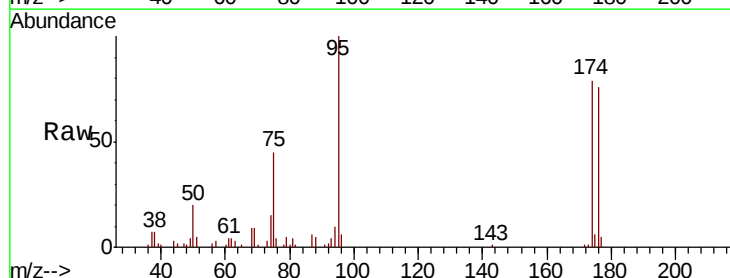
Tgt Ion: 95 Resp: 67340

Ion Ratio Lower Upper

95 100

174 79.0 0.0 219.4

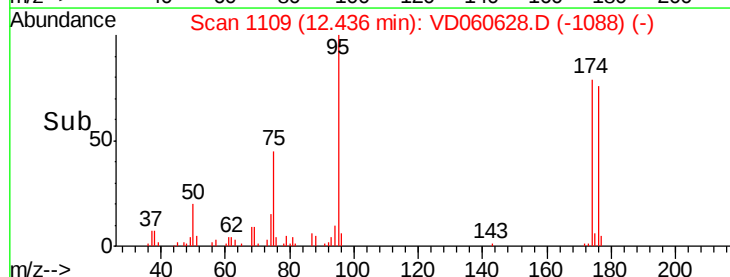
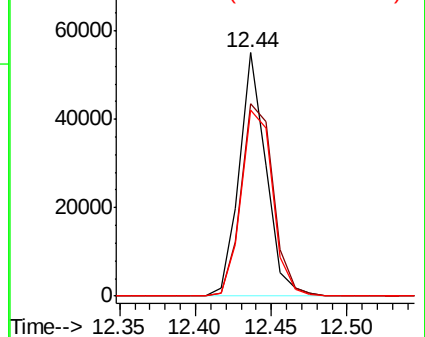
176 76.4 0.0 214.6

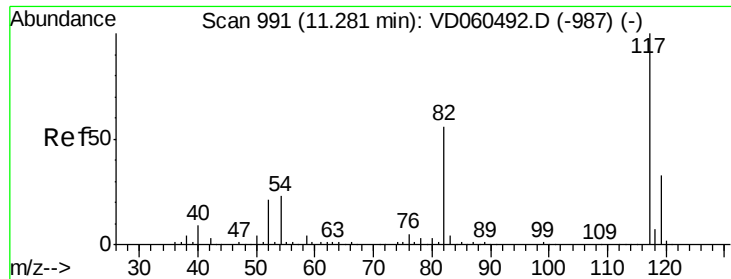


Abundance Ion 95.00 (94.70 to 95.70): VDC

Ion 173.90 (173.60 to 174.60): V

Ion 175.90 (175.60 to 176.60): V

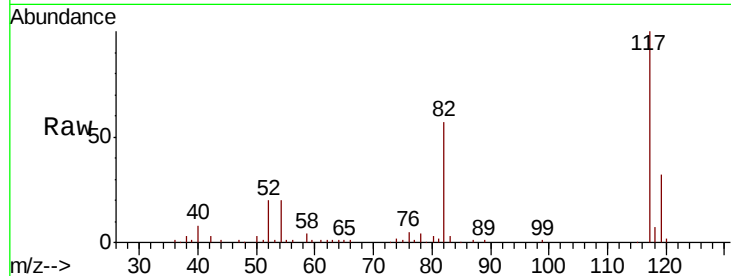




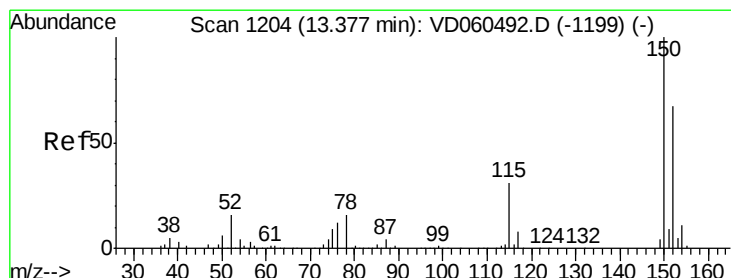
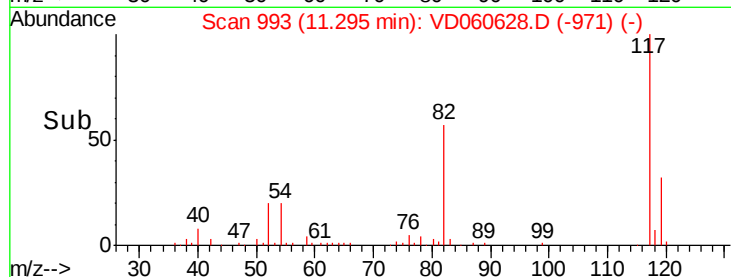
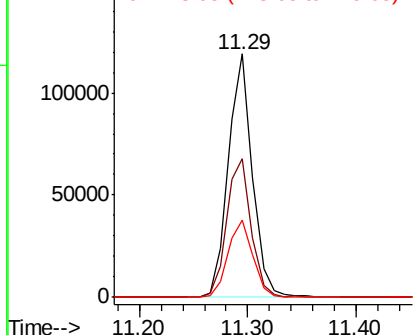
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.29 min Scan# 993
Delta R.T. 0.01 min
Lab File: VD060628.D
Acq: 18 Dec 2018 18:31

Instrument :
MSVOA_D
ClientSampleId :
EB02_6-8RE

Tot Ion:117 Resp: 183298
Ion Ratio Lower Upper
117 100
82 57.2 45.2 67.8
119 31.7 26.1 39.1

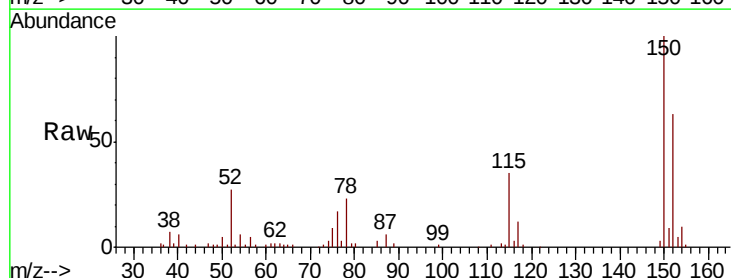


Abundance Ion 116.95 (116.65 to 117.65): V
Ion 82.05 (81.75 to 82.75): V
Ion 118.95 (118.65 to 119.65): V

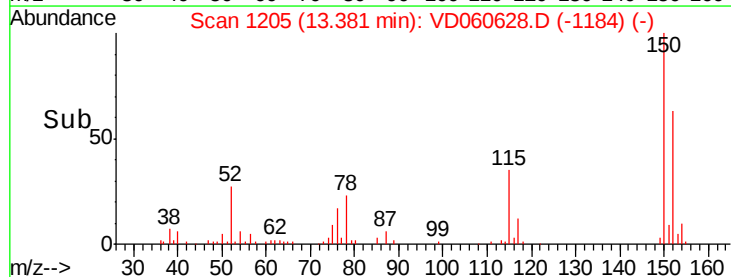
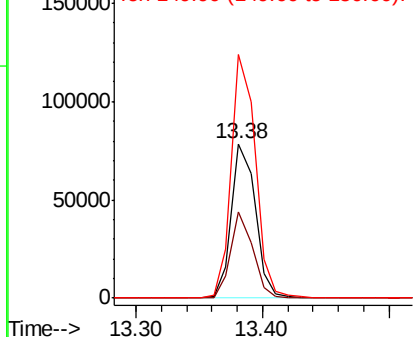


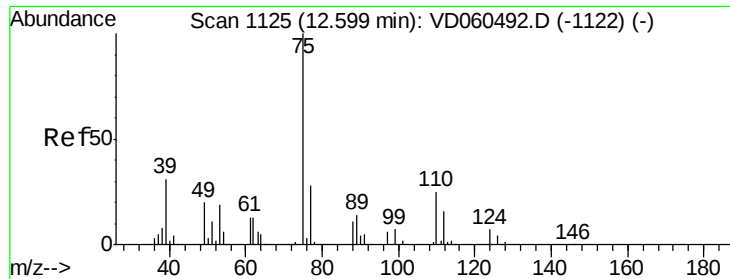
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.38 min Scan# 1205
Delta R.T. 0.00 min
Lab File: VD060628.D
Acq: 18 Dec 2018 18:31

Tgt Ion:152 Resp: 103006
Ion Ratio Lower Upper
152 100
115 56.1 24.6 74.0
150 158.1 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: 26.298 ug/l

RT: 12.44 min Scan# 1109

Delta R.T. -0.16 min

Lab File: VD060628.D

Acq: 18 Dec 2018 18:31

Instrument :

MSVOA_D

ClientSampleId :

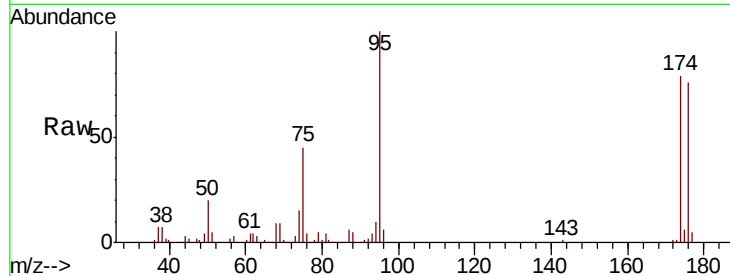
EB02_6-8RE

Tot Ion: 75 Resp: 30693

Ion Ratio Lower Upper

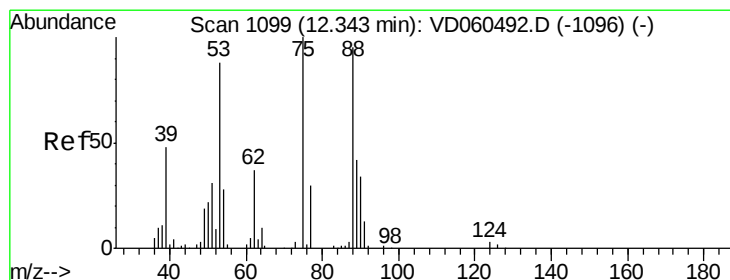
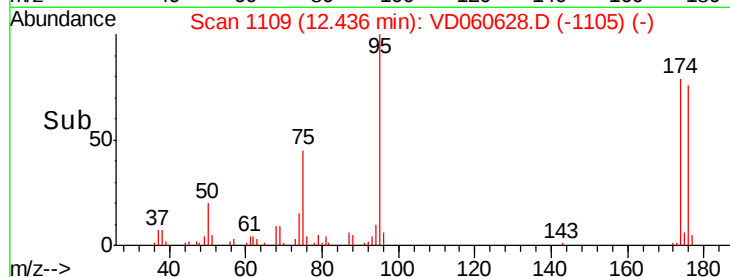
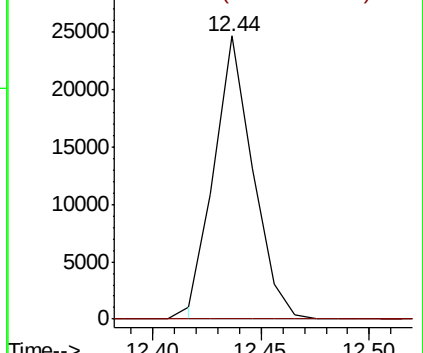
75 100

77 0.0 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: 96.152 ug/l

RT: 12.44 min Scan# 1109

Delta R.T. 0.09 min

Lab File: VD060628.D

Acq: 18 Dec 2018 18:31

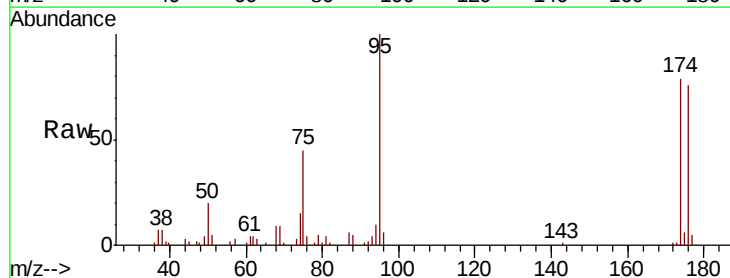
Tgt Ion: 75 Resp: 31299

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

