

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD121818\
 Data File : VD060627.D
 Acq On : 18 Dec 2018 18:03
 Operator : VA/AP
 Sample : J6445-03RE
 Misc : 5.06g/5ml/MSVOA D/SOIL
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 EB02_1.5-3.5RE

Quant Time: Dec 19 02:49:35 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	6.40	168	34150	50.00	ug/l	-0.02
34) 1,4-Difluorobenzene	7.44	114	52877	50.00	ug/l	-0.02
63) Chlorobenzene-d5	11.27	117	53798	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.37	152	22483	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.78	65	26014	107.47	ug/l	-0.02
Spiked Amount				50.000		
			Recovery	=	214.94%	
35) Dibromofluoromethane	6.32	113	23201	59.74	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	119.48%	
50) Toluene-d8	9.45	98	46543	41.41	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	82.82%	
62) 4-Bromofluorobenzene	12.43	95	15650	38.91	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	77.82%	

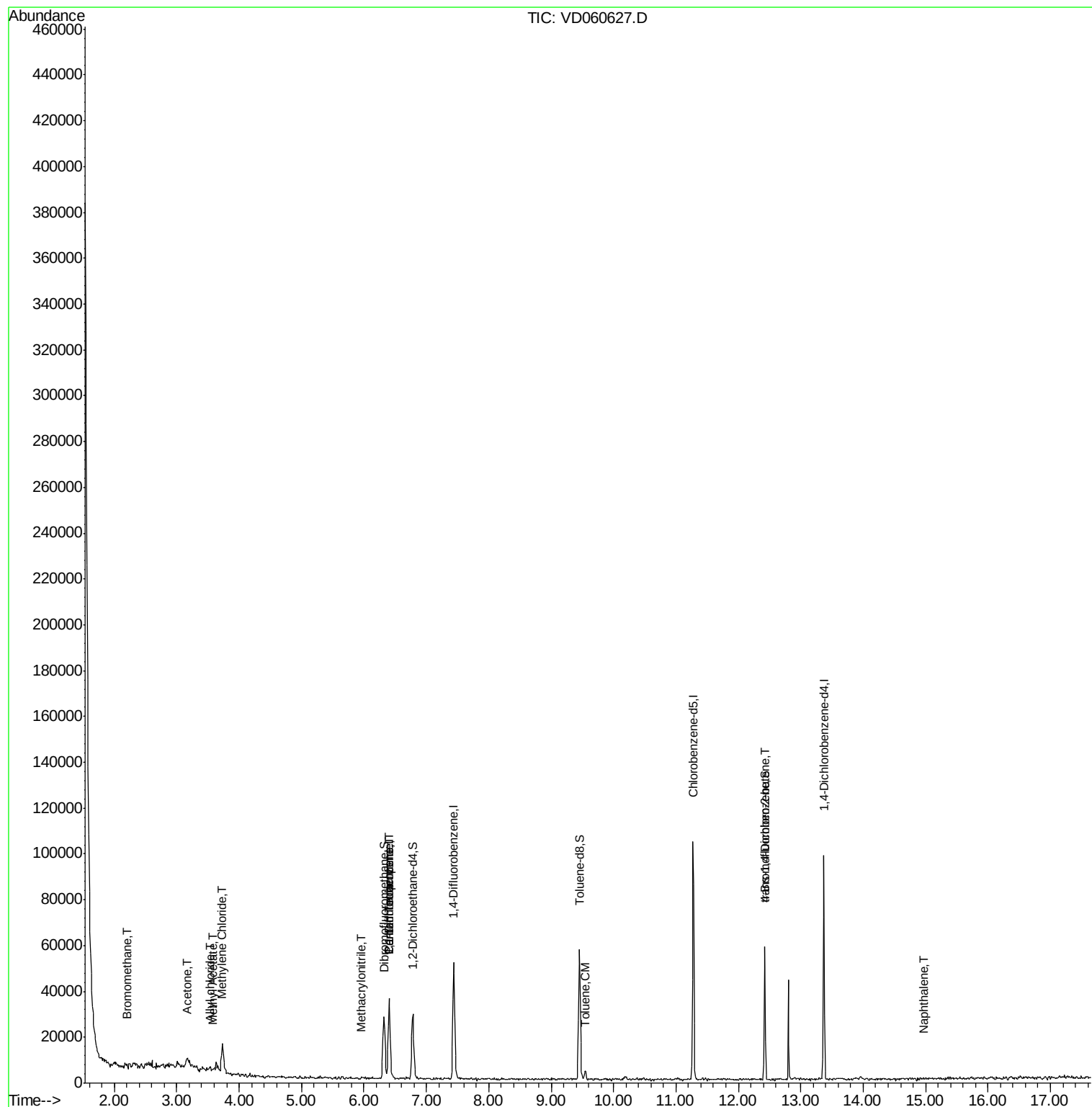
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	2.21	94	1281	18.285	ug/l #	4
14) Allyl chloride	3.55	41	593	1.831	ug/l #	22
16) Acetone	3.16	43	8076	208.149	ug/l #	85
18) Methyl Acetate	3.57	43	690	7.483	ug/l #	64
20) Methylene Chloride	3.74	84	7378	17.832	ug/l #	95
31) Cyclohexane	6.40	56	259	Below Cal	#	18
36) 1,1-Dichloropropene	6.40	75	2483	4.804	ug/l #	41
38) Carbon Tetrachloride	6.41	117	2276	4.905	ug/l #	12
41) Methacrylonitrile	5.96	41	202	1.672	ug/l #	33
52) Toluene	9.55	92	2268	2.747	ug/l #	53
81) trans-1,4-Dichloro-2-buten	12.42	75	6958	97.931	ug/l #	14
95) Naphthalene	14.96	128	749	1.302	ug/l #	70

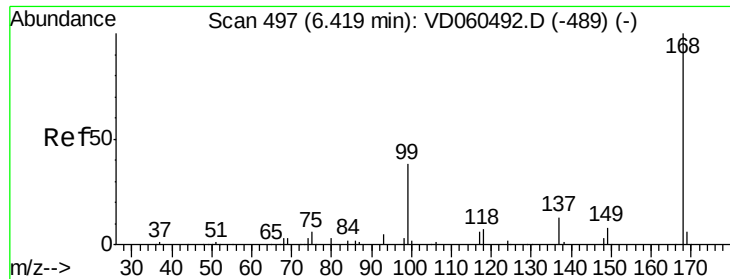
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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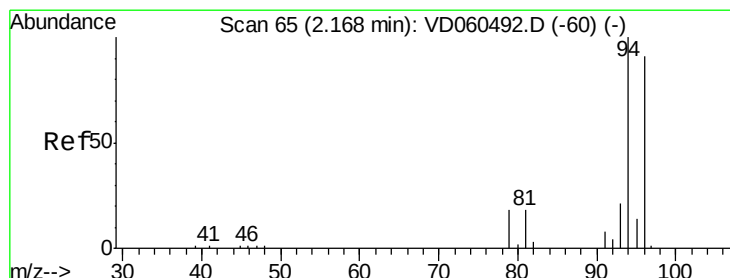
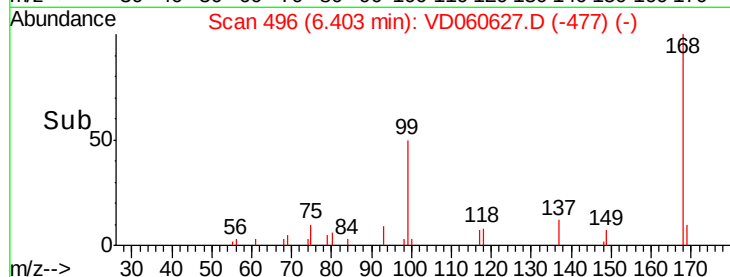
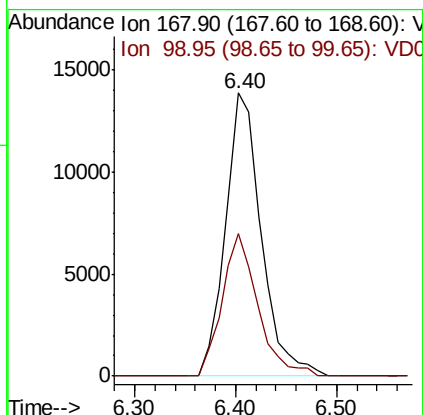
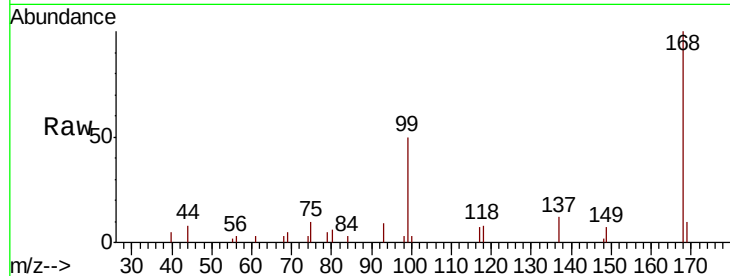




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 6.40 min Scan# 496
Delta R.T. -0.02 min
Lab File: VD060627.D
Acq: 18 Dec 2018 18:03

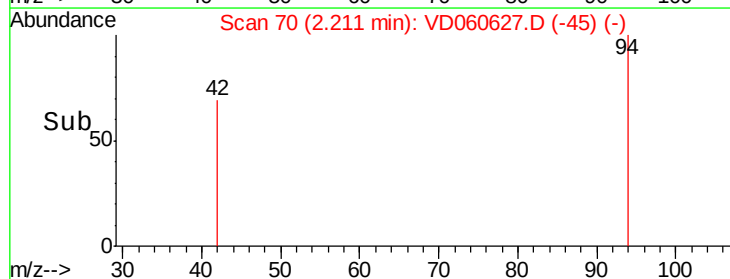
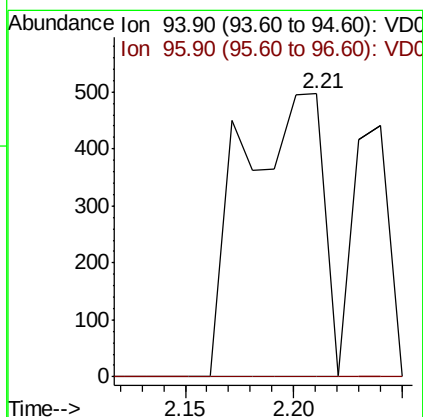
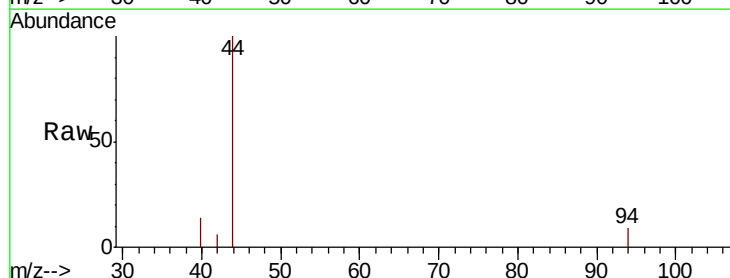
Instrument :
MSVOA_D
ClientSampleId :
EB02_1.5-3.5RE

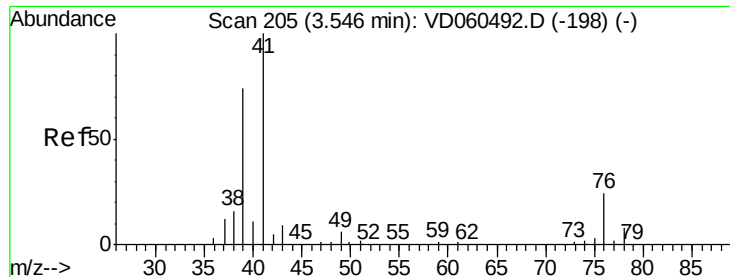
Tot Ion:168 Resp: 34150
Ion Ratio Lower Upper
168 100
99 50.1 35.6 53.4



#5
Bromomethane
Concen: 18.285 ug/l
RT: 2.21 min Scan# 70
Delta R.T. 0.04 min
Lab File: VD060627.D
Acq: 18 Dec 2018 18:03

Tgt Ion: 94 Resp: 1281
Ion Ratio Lower Upper
94 100
96 0.0 72.6 108.8#

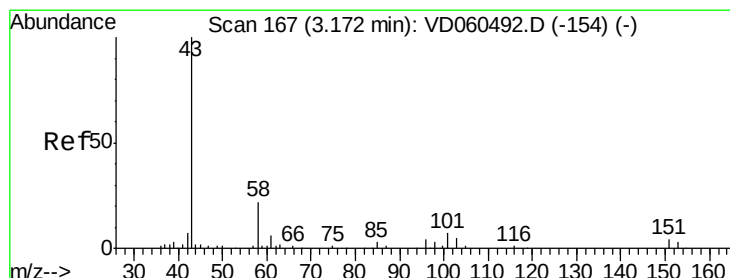
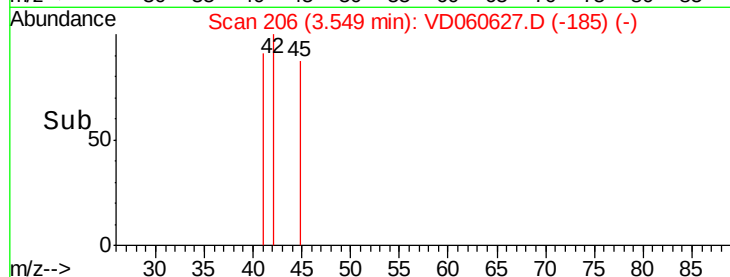
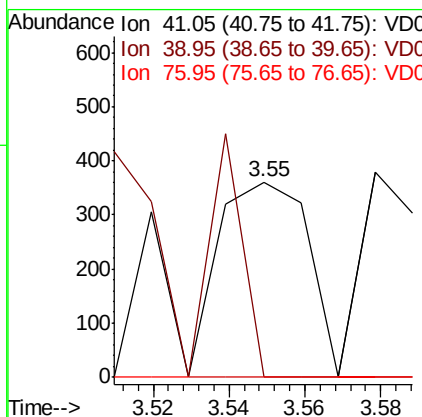
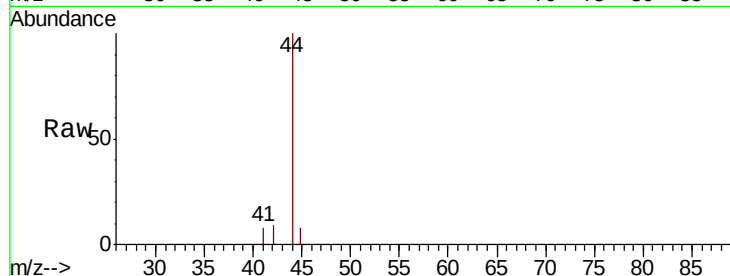




#14
Allvl chloride
Concen: 1.831 ug/l
RT: 3.55 min Scan# 206
Delta R.T. 0.00 min
Lab File: VD060627.D
Acq: 18 Dec 2018 18:03

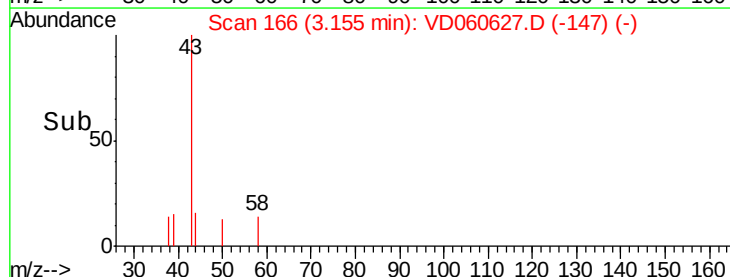
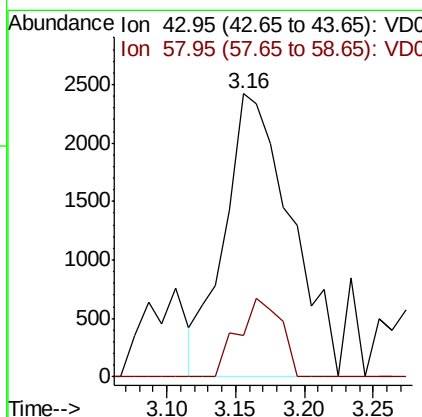
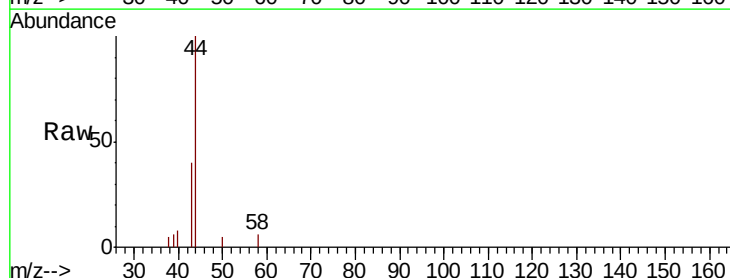
Instrument :
MSVOA_D
ClientSampleId :
EB02_1.5-3.5RE

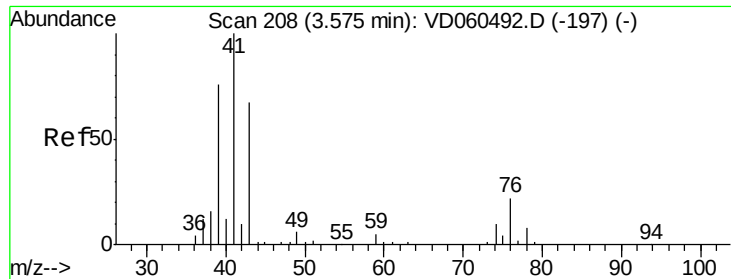
Tot Ion: 41 Resp: 593
Ion Ratio Lower Upper
41 100
39 0.0 59.3 88.9#
76 0.0 21.0 31.6#



#16
Acetone
Concen: 208.149 ug/l
RT: 3.16 min Scan# 166
Delta R.T. -0.02 min
Lab File: VD060627.D
Acq: 18 Dec 2018 18:03

Tgt Ion: 43 Resp: 8076
Ion Ratio Lower Upper
43 100
58 14.5 17.3 25.9#

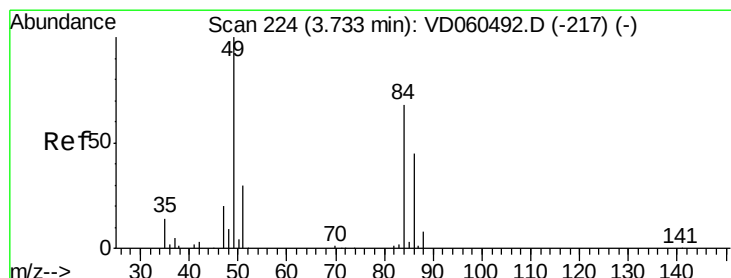
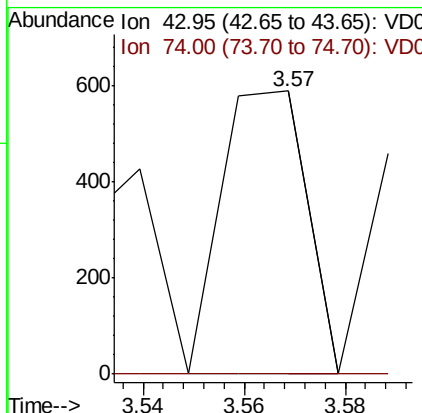
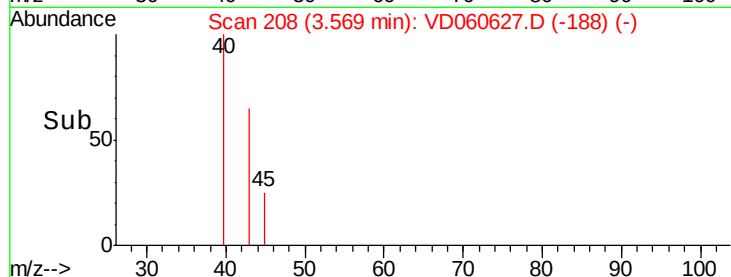
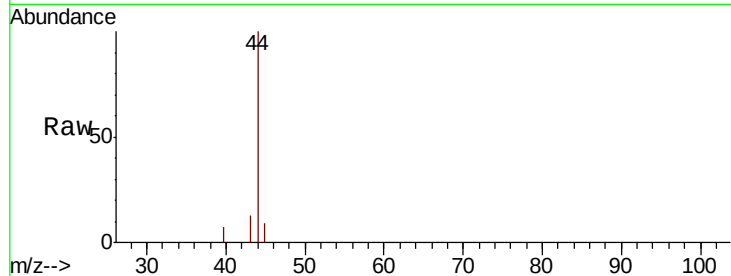




#18
Methyl Acetate
Concen: 7.483 ug/l
RT: 3.57 min Scan# 208
Delta R.T. -0.01 min
Lab File: VD060627.D
Acq: 18 Dec 2018 18:03

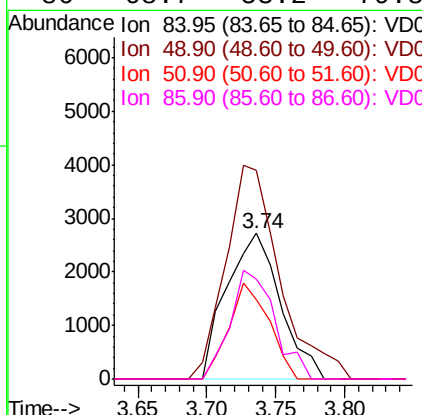
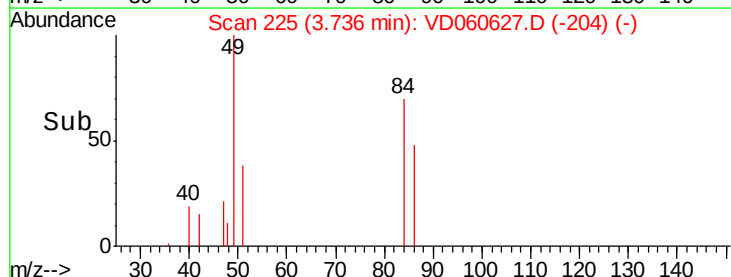
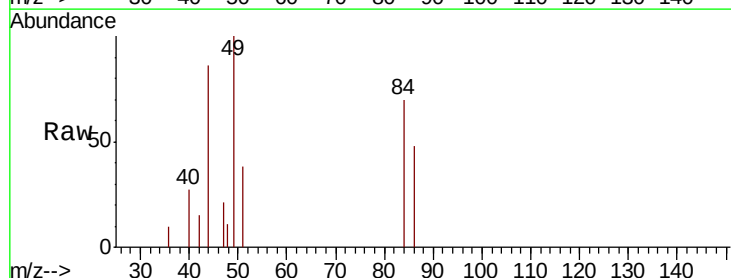
Instrument :
MSVOA_D
ClientSampleId :
EB02_1.5-3.5RE

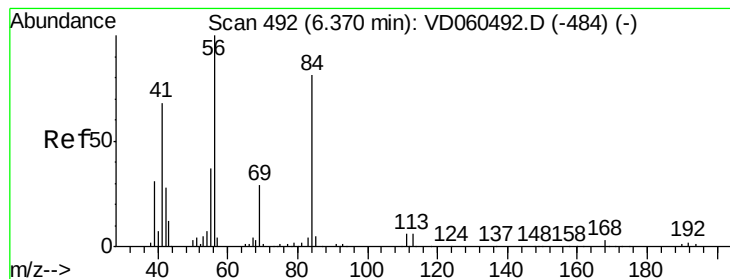
Tot Ion: 43 Resp: 690
Ion Ratio Lower Upper
43 100
74 0.0 12.0 18.0#



#20
Methylene Chloride
Concen: 17.832 ug/l
RT: 3.74 min Scan# 225
Delta R.T. 0.00 min
Lab File: VD060627.D
Acq: 18 Dec 2018 18:03

Tgt Ion: 84 Resp: 7378
Ion Ratio Lower Upper
84 100
49 143.1 117.2 175.8
51 54.1 35.3 52.9#
86 68.7 53.2 79.8





#31

Cyclohexane

Concen: Below Cal

RT: 6.40 min Scan# 496

Delta R.T. 0.03 min

Lab File: VD060627.D

Acq: 18 Dec 2018 18:03

Instrument :

MSVOA_D

ClientSampleId :

EB02_1.5-3.5RE

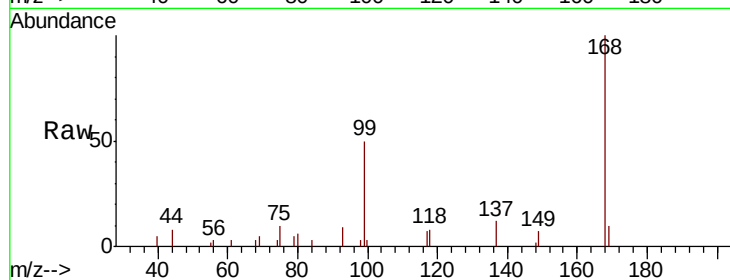
Tot Ion: 56 Resp: 259

Ion Ratio Lower Upper

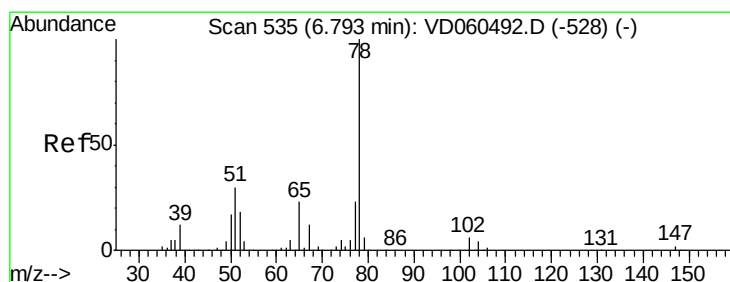
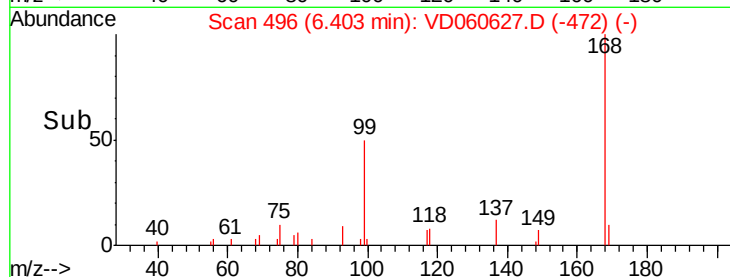
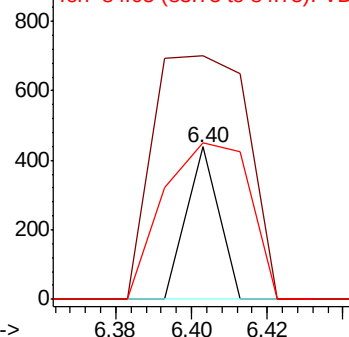
56 100

69 159.7 22.8 34.2#

84 102.3 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: 6.78 min Scan# 534

Delta R.T. -0.02 min

Lab File: VD060627.D

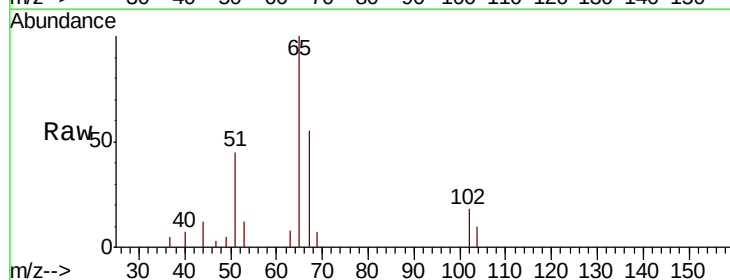
Acq: 18 Dec 2018 18:03

Tgt Ion: 65 Resp: 26014

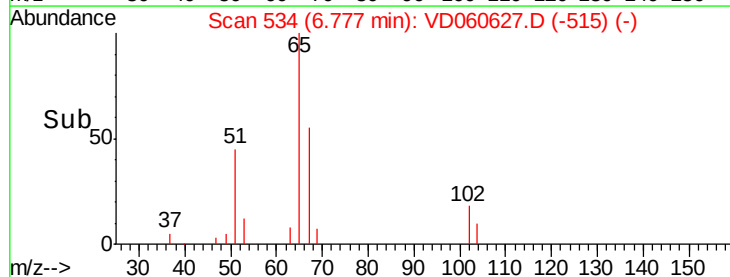
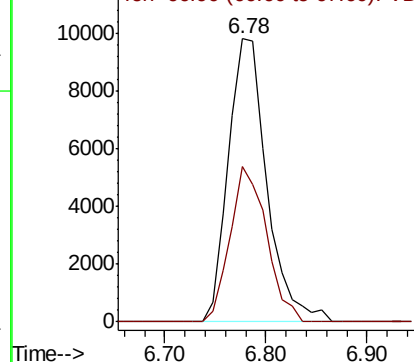
Ion Ratio Lower Upper

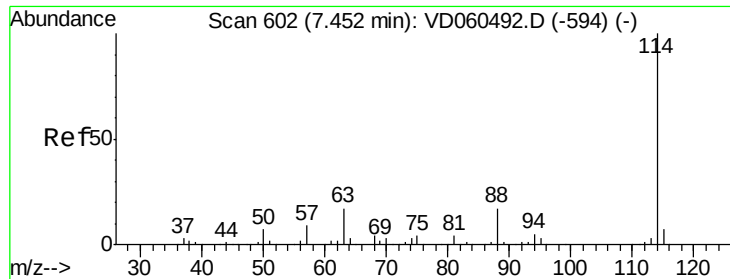
65 100

67 54.7 0.0 106.8



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

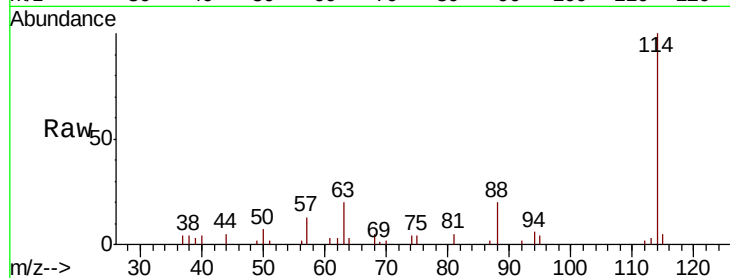




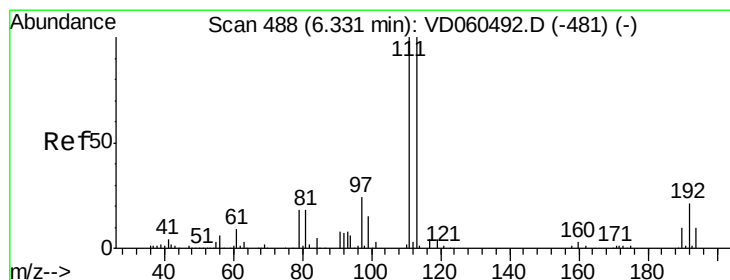
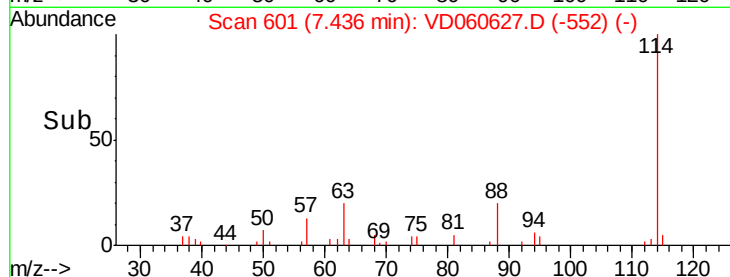
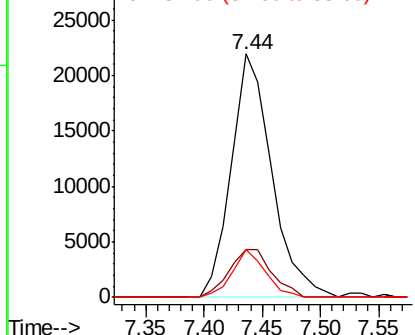
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 7.44 min Scan# 601
 Delta R.T. -0.02 min
 Lab File: VD060627.D
 Acq: 18 Dec 2018 18:03

Instrument :
 MSVOA_D
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 EB02_1.5-3.5RE

Tot Ion:114 Resp: 52877
 Ion Ratio Lower Upper
 114 100
 63 19.8 0.0 34.2
 88 19.9 0.0 35.0

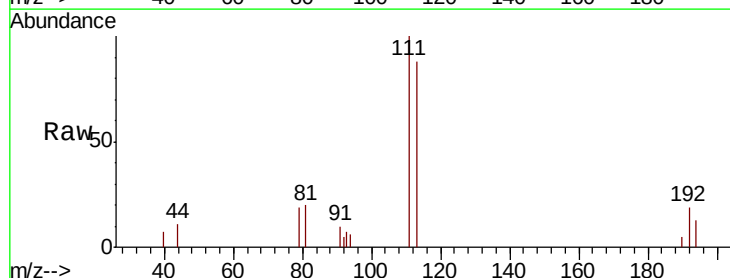


Abundance Ion 114.00 (113.70 to 114.70): V
 Ion 62.95 (62.65 to 63.65): V
 Ion 87.90 (87.60 to 88.60): V

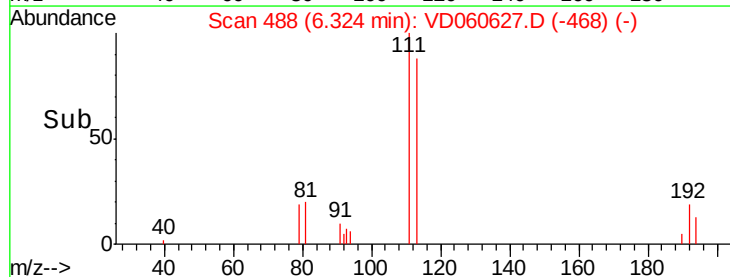
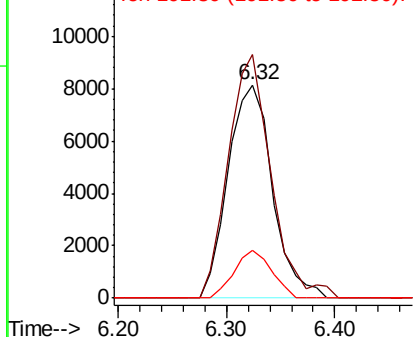


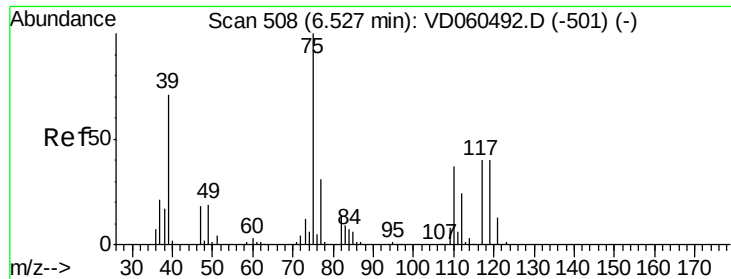
#35
 Dibromofluoromethane
 Concen: 50.000 ug/l
 RT: 6.32 min Scan# 488
 Delta R.T. -0.01 min
 Lab File: VD060627.D
 Acq: 18 Dec 2018 18:03

Tgt Ion:113 Resp: 23201
 Ion Ratio Lower Upper
 113 100
 111 114.0 80.2 120.4
 192 22.1 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

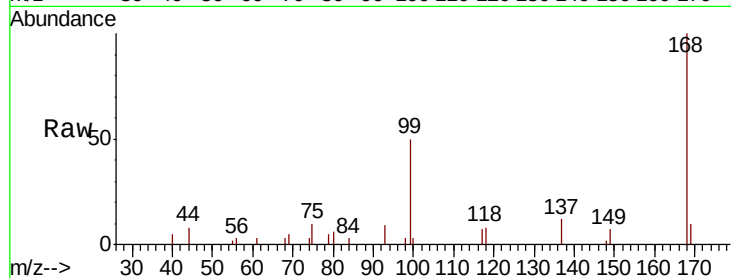




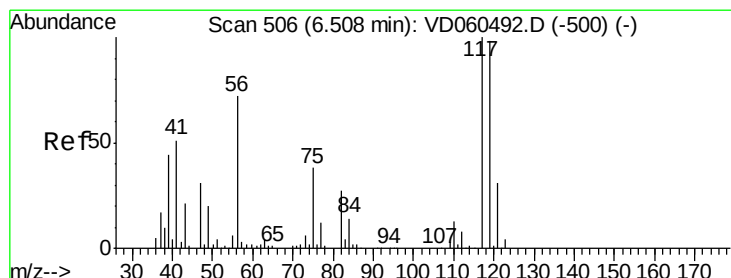
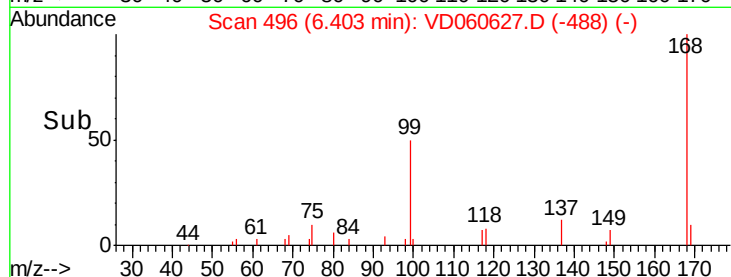
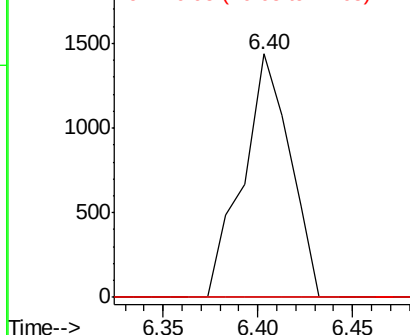
#36
 1,1-Dichloropropene
 Concen: 4.804 ug/l
 RT: 6.40 min Scan# 496
 Delta R.T. -0.12 min
 Lab File: VD060627.D
 Acq: 18 Dec 2018 18:03

Instrument :
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 EB02_1.5-3.5RE

Tot Ion: 75 Resp: 2483
 Ion Ratio Lower Upper
 75 100
 110 0.0 18.3 54.8#
 77 0.0 24.6 37.0#

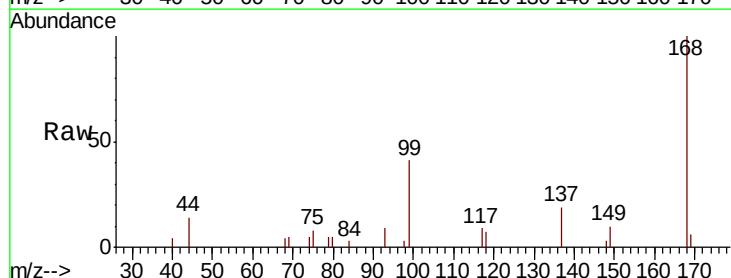


Abundance Ion 75.00 (74.70 to 75.70): V
 Ion 109.90 (109.60 to 110.60): V
 Ion 76.95 (76.65 to 77.65): V

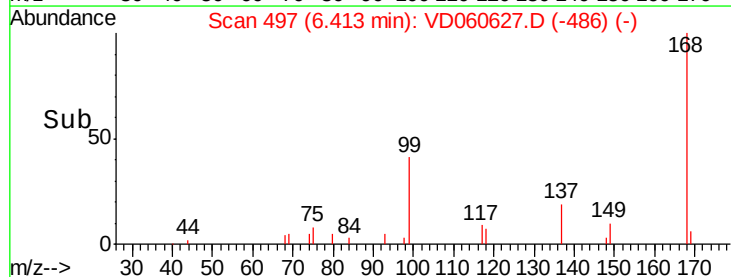
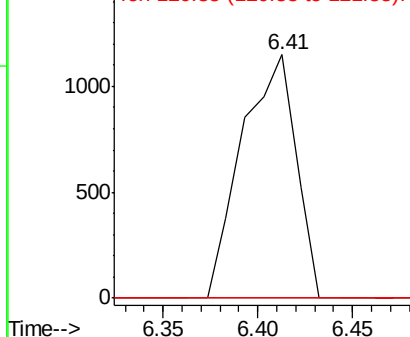


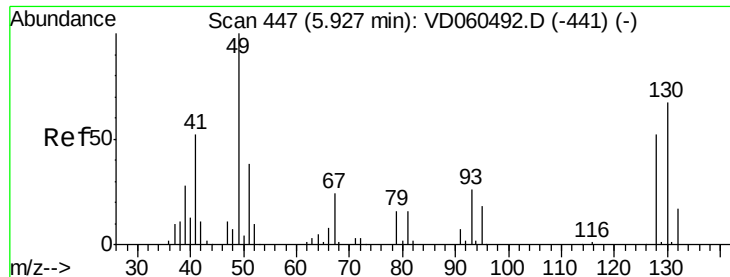
#38
 Carbon Tetrachloride
 Concen: 4.905 ug/l
 RT: 6.41 min Scan# 497
 Delta R.T. -0.10 min
 Lab File: VD060627.D
 Acq: 18 Dec 2018 18:03

Tgt Ion: 117 Resp: 2276
 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

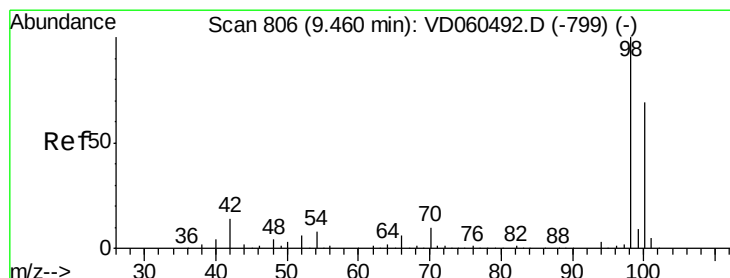
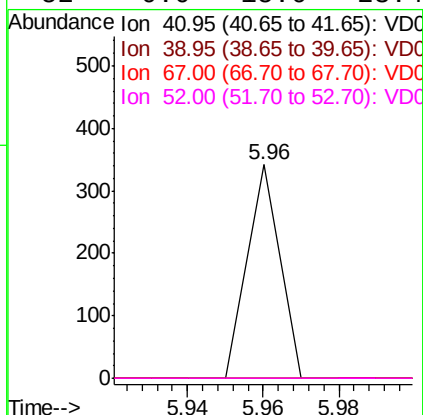
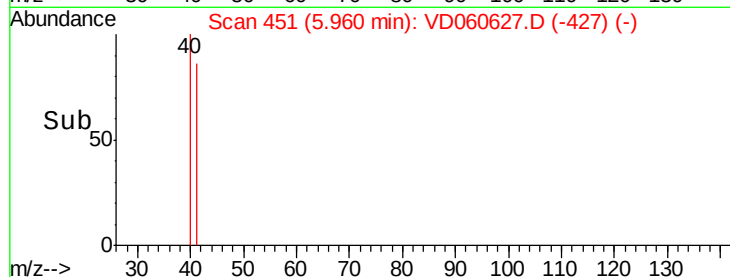
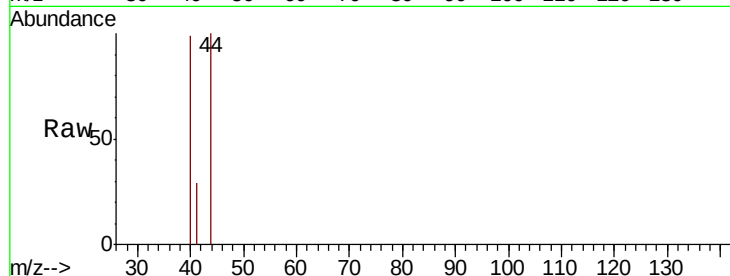




#41
Methacrylonitrile
Concen: 1.672 ug/l
RT: 5.96 min Scan# 451
Delta R.T. 0.03 min
Lab File: VD060627.D
Acq: 18 Dec 2018 18:03

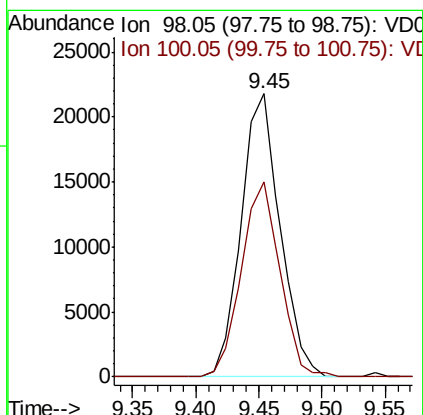
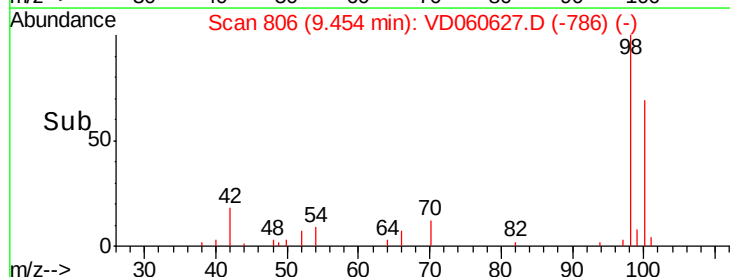
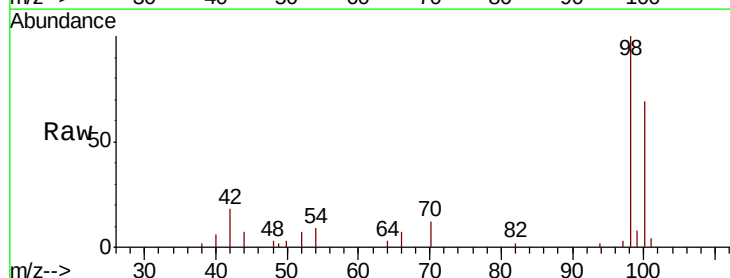
Instrument :
MSVOA_D
ClientSampleId :
EB02_1.5-3.5RE

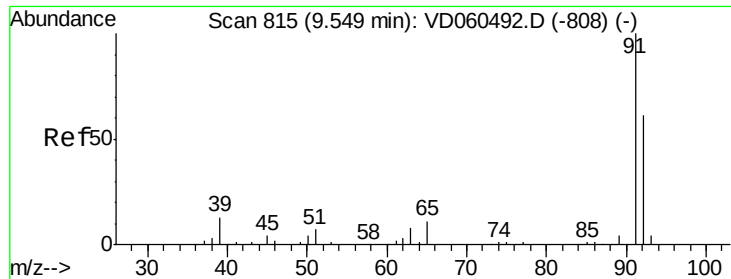
Tot Ion: 41 Resp: 202
Ion Ratio Lower Upper
41 100
39 0.0 42.6 63.8#
67 0.0 36.2 54.4#
52 0.0 15.6 23.4#



#50
Toluene-d8
Concen: N.D. ug/l
RT: 9.45 min Scan# 806
Delta R.T. -0.01 min
Lab File: VD060627.D
Acq: 18 Dec 2018 18:03

Tgt Ion: 98 Resp: 46543
Ion Ratio Lower Upper
98 100
100 68.9 55.7 83.5





#52

Toluene

Concen: 2.747 ug/l

RT: 9.55 min Scan# 816

Delta R.T. 0.00 min

Lab File: VD060627.D

Acq: 18 Dec 2018 18:03

Instrument :

MSVOA_D

ClientSampleId :

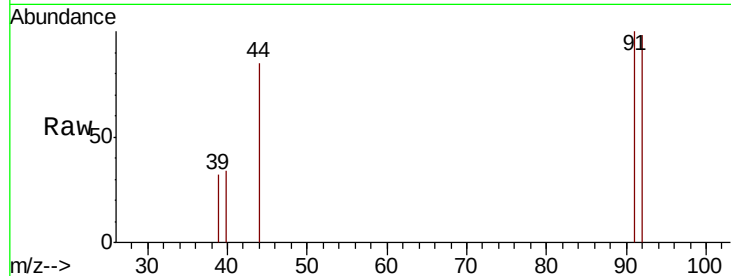
EB02_1.5-3.5RE

Tot Ion: 92 Resp: 2268

Ion Ratio Lower Upper

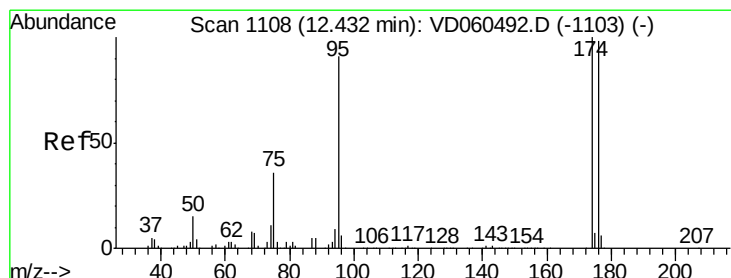
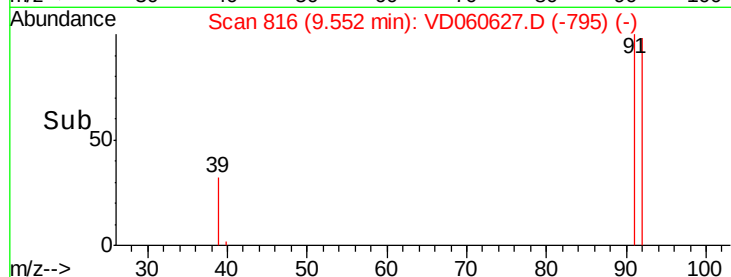
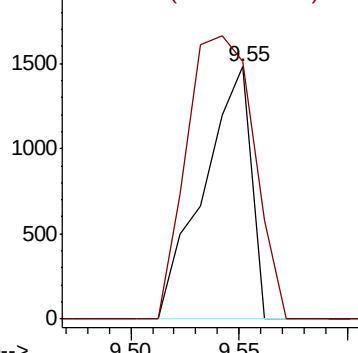
92 100

91 102.0 131.7 197.5#



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: 12.43 min Scan# 1108

Delta R.T. -0.01 min

Lab File: VD060627.D

Acq: 18 Dec 2018 18:03

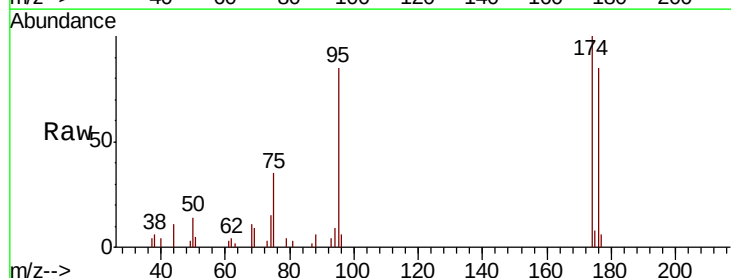
Tgt Ion: 95 Resp: 15650

Ion Ratio Lower Upper

95 100

174 117.7 0.0 219.4

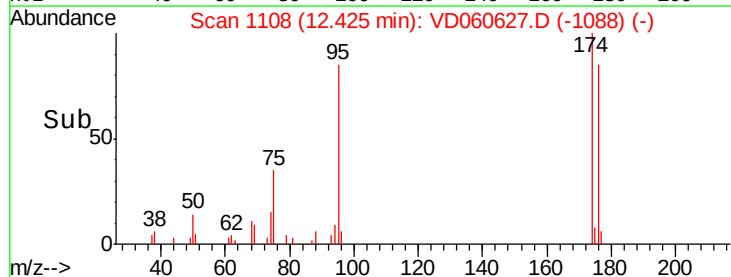
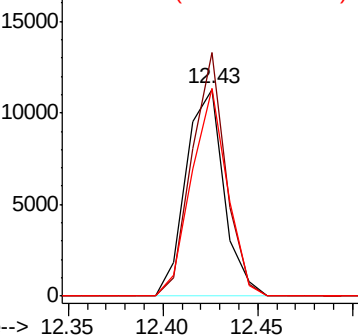
176 100.4 0.0 214.6

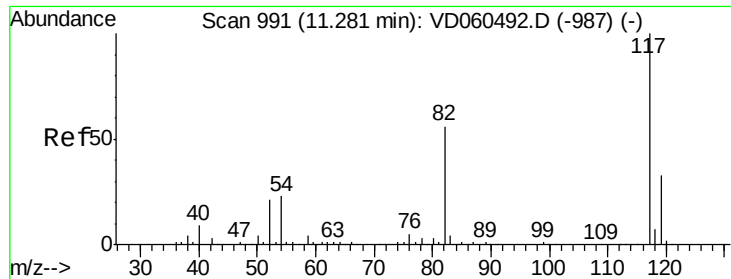


Abundance Ion 95.00 (94.70 to 95.70): VDC

Ion 173.90 (173.60 to 174.60): V

Ion 175.90 (175.60 to 176.60): V

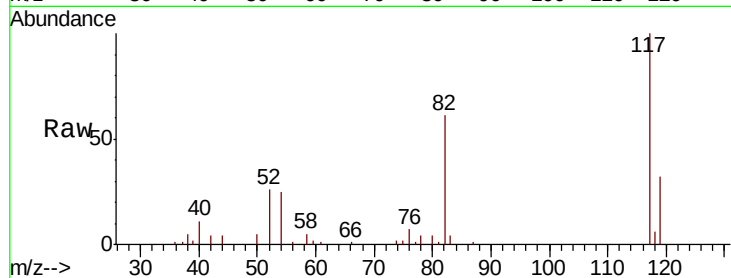




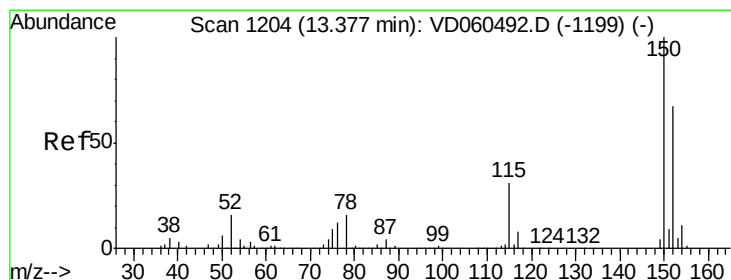
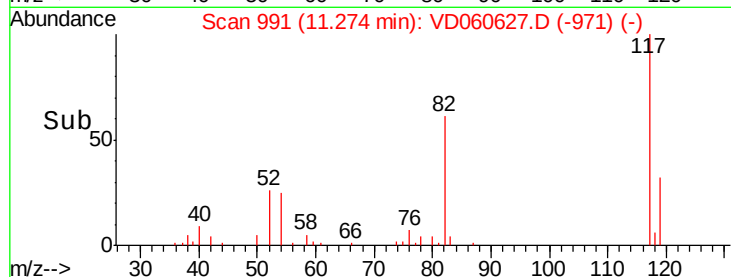
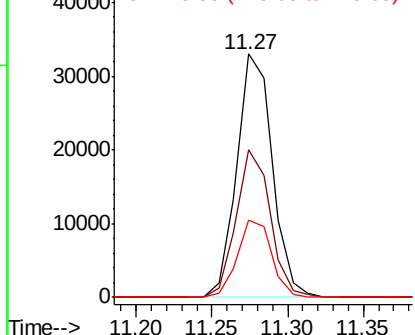
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.27 min Scan# 991
Delta R.T. -0.01 min
Lab File: VD060627.D
Acq: 18 Dec 2018 18:03

Instrument :
MSVOA_D
ClientSampleId :
EB02_1.5-3.5RE

Tot Ion:117 Resp: 53798
Ion Ratio Lower Upper
117 100
82 60.7 45.2 67.8
119 31.8 26.1 39.1

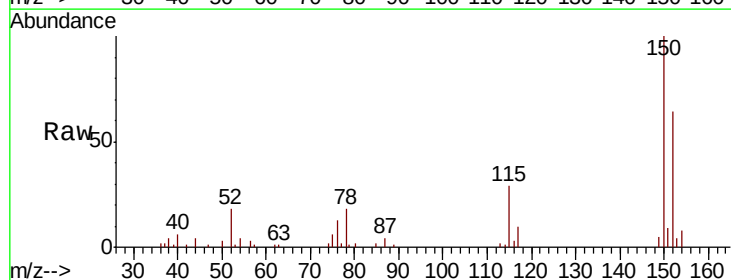


Abundance Ion 116.95 (116.65 to 117.65): V
Ion 82.05 (81.75 to 82.75): V
Ion 118.95 (118.65 to 119.65): V

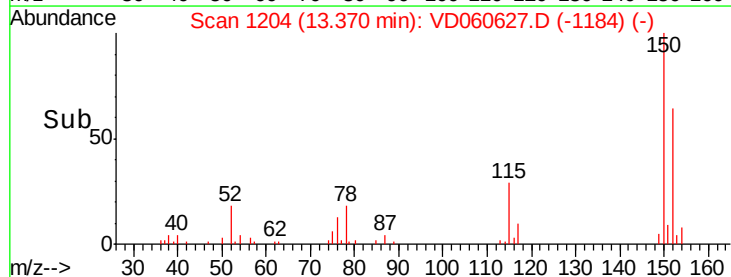
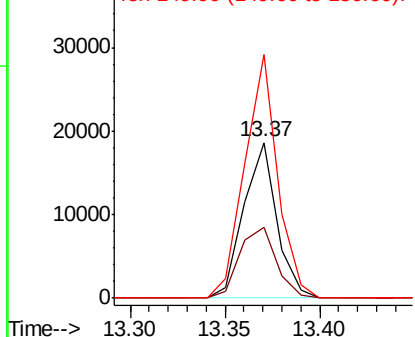


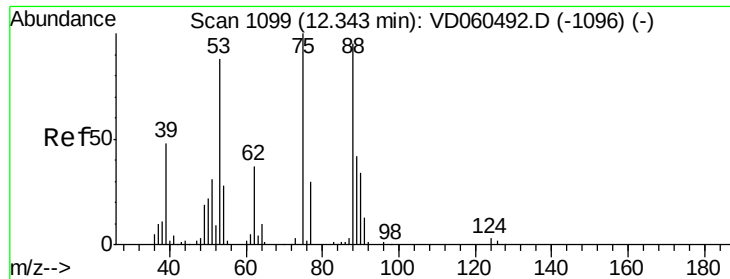
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.37 min Scan# 1204
Delta R.T. -0.01 min
Lab File: VD060627.D
Acq: 18 Dec 2018 18:03

Tgt Ion:152 Resp: 22483
Ion Ratio Lower Upper
152 100
115 45.6 24.6 74.0
150 156.7 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

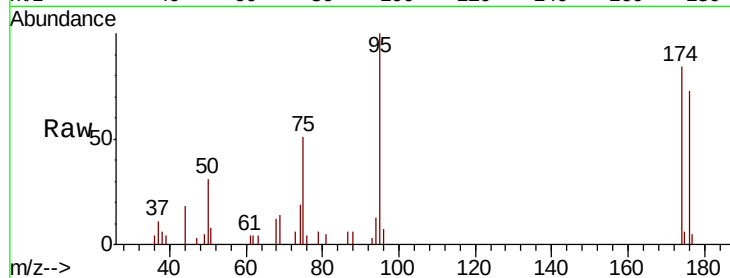




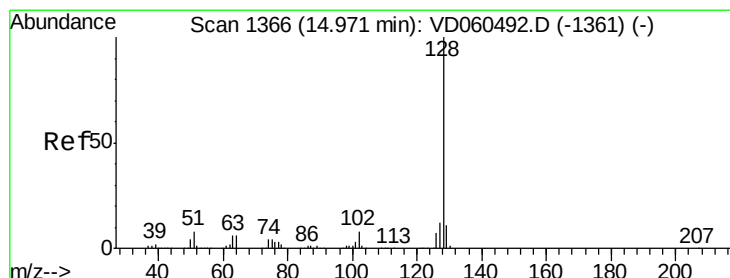
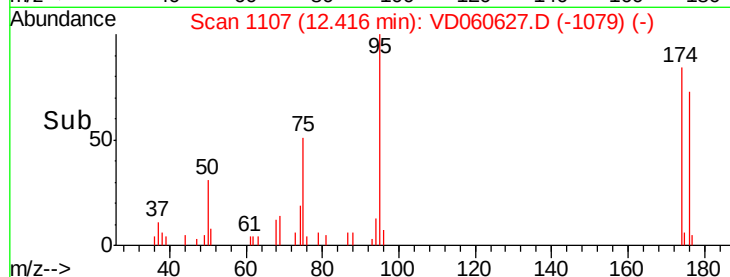
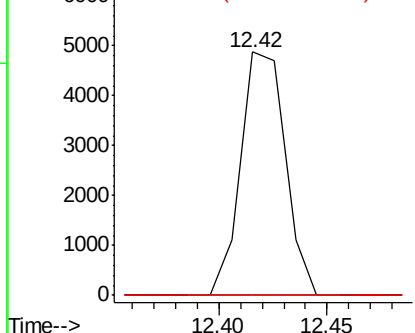
#81
 trans-1,4-Dichloro-2-butene
 Concen: 97.931 ug/l
 RT: 12.42 min Scan# 1107
 Delta R.T. 0.07 min
 Lab File: VD060627.D
 Acq: 18 Dec 2018 18:03

Instrument :
 MSVOA_D
 ClientSampleId :
 EB02_1.5-3.5RE

Tot Ion: 75 Resp: 6958
 Ion Ratio Lower Upper
 75 100
 53 0.0 70.5 105.7#
 89 0.0 33.6 50.4#

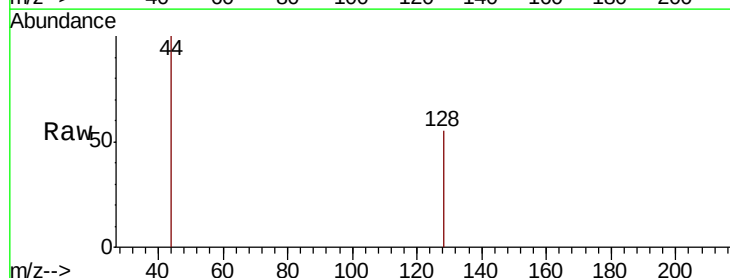


Abundance Ion 75.00 (74.70 to 75.70): VDC
 Ion 53.00 (52.70 to 53.70): VDC
 Ion 89.00 (88.70 to 89.70): VDC



#95
 Naphthalene
 Concen: 1.302 ug/l
 RT: 14.96 min Scan# 1366
 Delta R.T. -0.01 min
 Lab File: VD060627.D
 Acq: 18 Dec 2018 18:03

Tgt Ion: 128 Resp: 749
 Ion Ratio Lower Upper
 128 100
 127 0.0 9.8 14.8#
 129 0.0 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

