

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD112018\
 Data File : VD060430.D
 Acq On : 20 Nov 2018 17:00
 Operator : JC/SY
 Sample : J5772-03
 Misc : 5.02g/5ml/MSVOA D/SOIL
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Nov 21 01:16:16 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D110618S.M
 Quant Title : SW846 8260
 QLast Update : Mon Nov 19 16:31:59 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	6.43	168	43918	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	7.46	114	68315	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.29	117	64424	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.38	152	36235	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.80	65	24740	78.67	ug/l	0.00
Spiked Amount	50.000		Recovery	=	157.34%	
35) Dibromofluoromethane	6.34	113	23900	46.92	ug/l	0.00
Spiked Amount	50.000		Recovery	=	93.84%	
50) Toluene-d8	9.47	98	56861	38.14	ug/l	0.00
Spiked Amount	50.000		Recovery	=	76.28%	
62) 4-Bromofluorobenzene	12.43	95	25084	46.43	ug/l	0.00
Spiked Amount	50.000		Recovery	=	92.86%	

Target Compounds

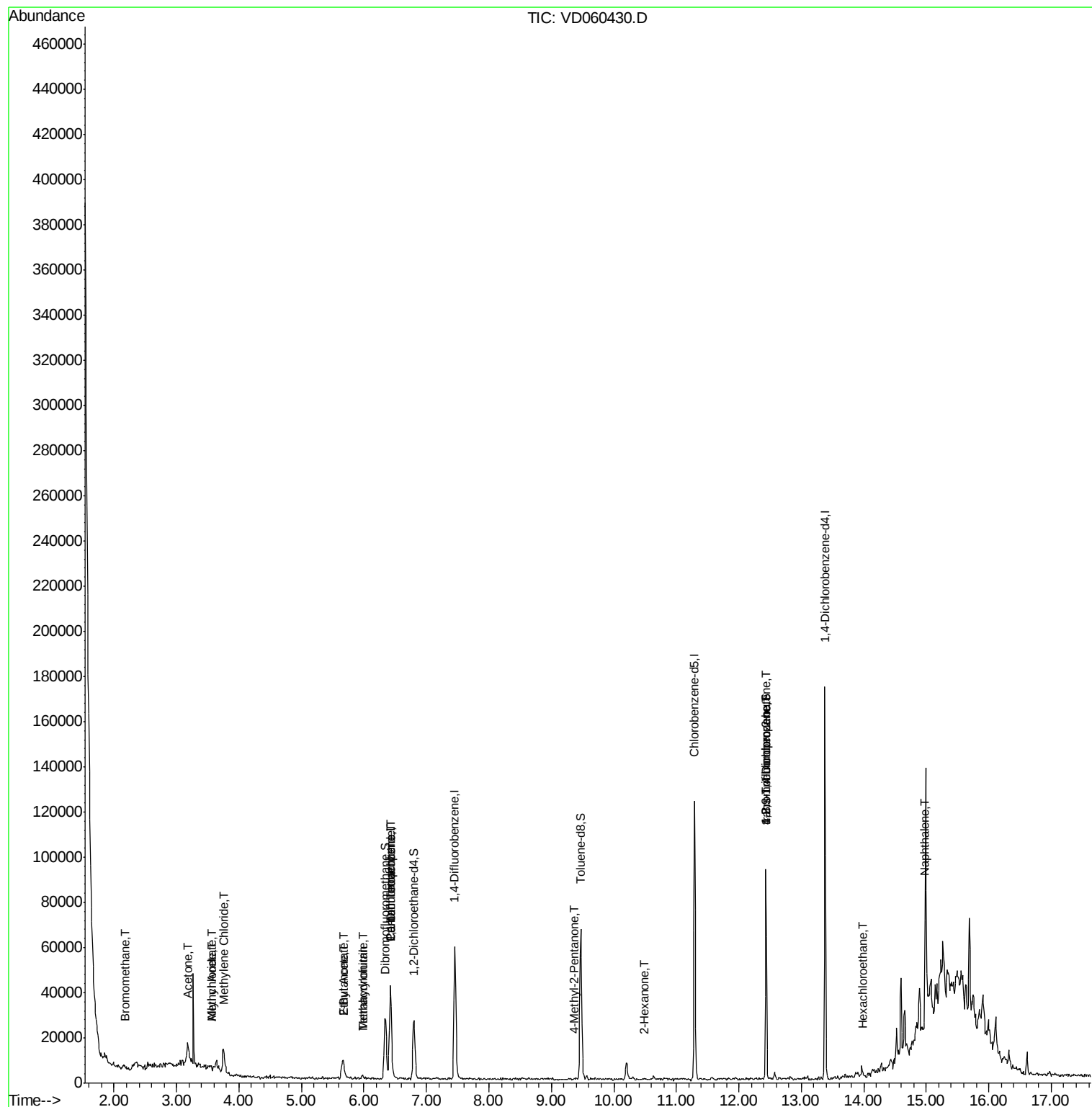
						Qvalue
5) Bromomethane	2.18	94	785	9.739	ug/l #	2
14) Allyl chloride	3.56	41	1959	4.778	ug/l #	76
16) Acetone	3.18	43	19921	365.212	ug/l	98
18) Methyl Acetate	3.56	43	1380	11.865	ug/l #	63
20) Methylene Chloride	3.75	84	7486	15.471	ug/l	96
25) 2-Butanone	5.67	43	1446	12.754	ug/l #	60
29) Tetrahydrofuran	5.98	42	857	14.337	ug/l #	41
36) 1,1-Dichloropropene	6.43	75	2676	3.965	ug/l #	41
37) Ethyl Acetate	5.67	43	1446	4.656	ug/l #	69
38) Carbon Tetrachloride	6.43	117	3274	5.229	ug/l #	12
41) Methacrylonitrile	5.98	41	670	1.885	ug/l #	43
51) 4-Methyl-2-Pentanone	9.36	43	401	1.579	ug/l #	42
59) 2-Hexanone	10.49	43	189	1.044	ug/l #	31
76) 1,2,3-Trichloropropane	12.43	75	8415	19.414	ug/l #	42
81) trans-1,4-Dichloro-2-buten	12.43	75	11094	89.900	ug/l #	15
89) n-Butylbenzene	13.65	91	274	Below Cal	#	29
90) Hexachloroethane	14.00	117	553	1.036	ug/l #	9
95) Naphthalene	14.97	128	1416	1.427	ug/l #	70

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

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Quant Title : SW846 8260
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Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 6.43 min Scan# 498

Delta R.T. 0.00 min

Lab File: VD060430.D

Acq: 20 Nov 2018 17:00

Instrument :

MSVOA_D

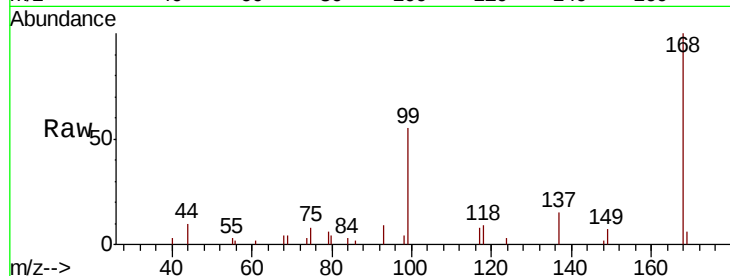
ClientSampleId :

Tot Ion:168 Resp: 43918

Ion Ratio Lower Upper

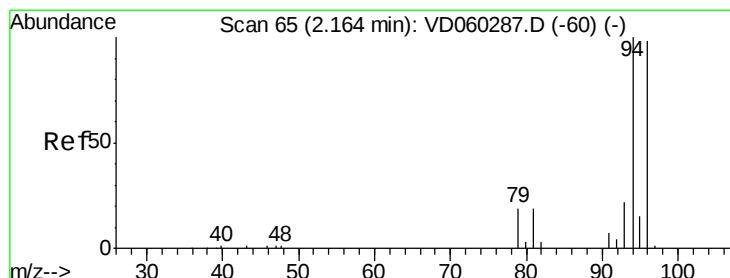
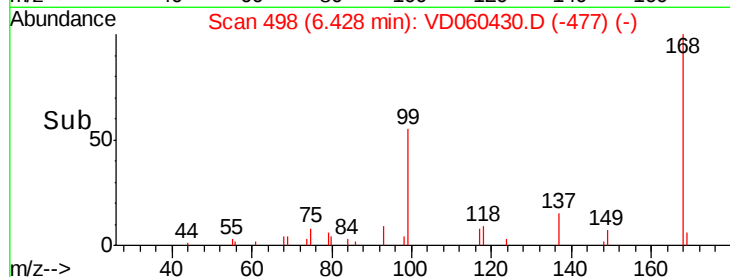
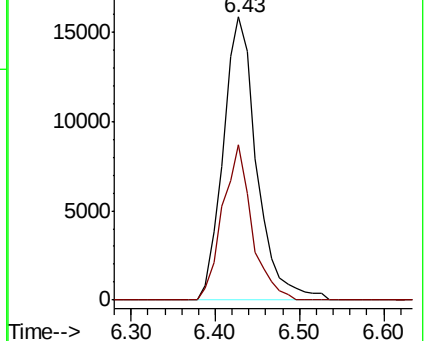
168 100

99 54.8 39.8 59.8



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC



#5

Bromomethane

Concen: 9.739 ug/l

RT: 2.18 min Scan# 66

Delta R.T. 0.01 min

Lab File: VD060430.D

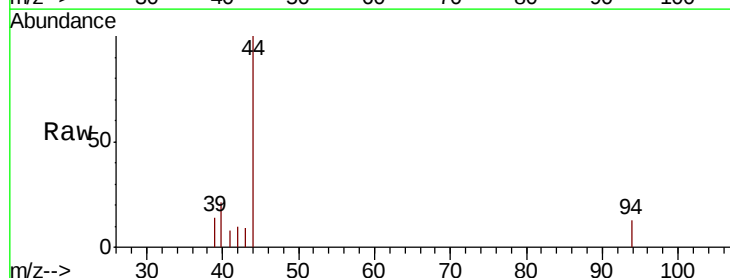
Acq: 20 Nov 2018 17:00

Tgt Ion: 94 Resp: 785

Ion Ratio Lower Upper

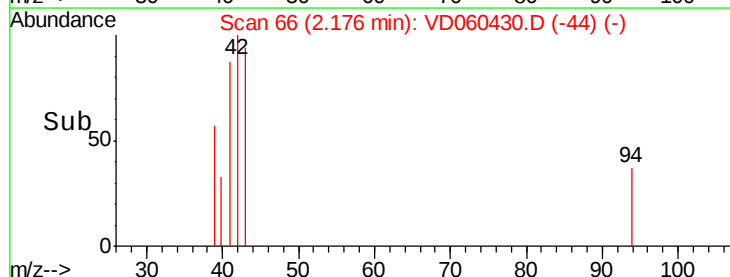
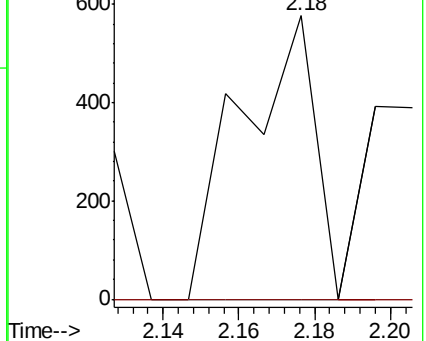
94 100

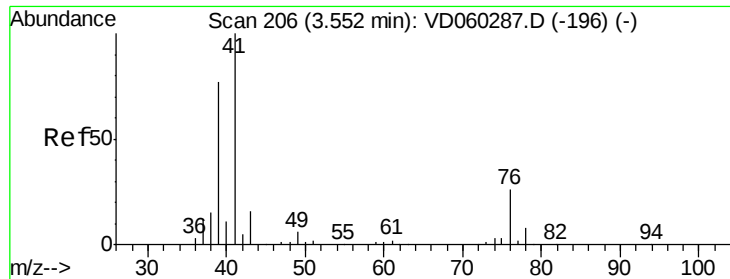
96 0.0 76.6 114.8#



Abundance Ion 93.90 (93.60 to 94.60): VDC

Ion 95.90 (95.60 to 96.60): VDC

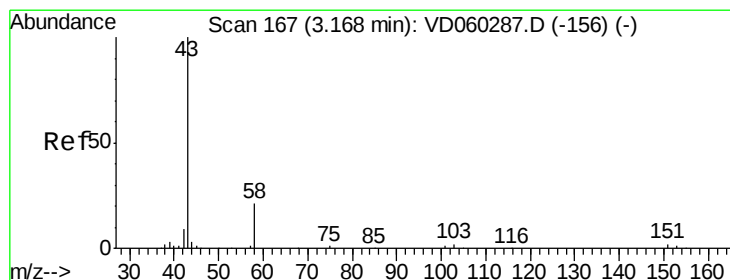
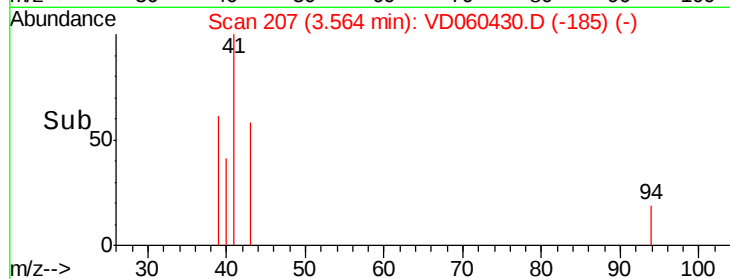
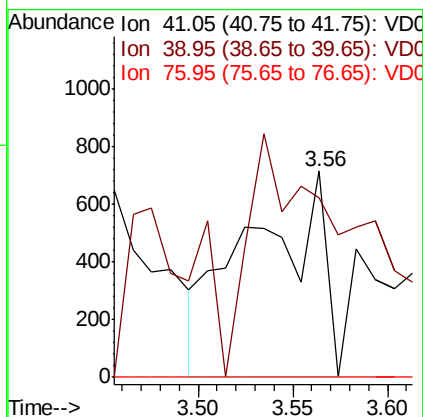
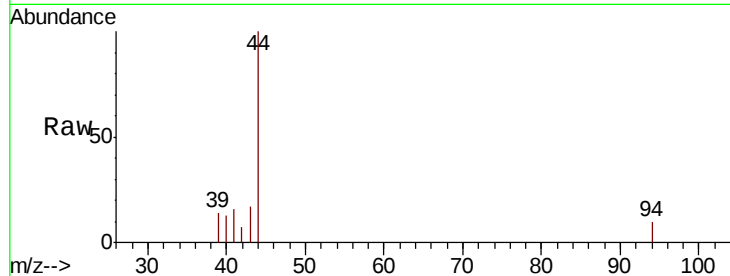




#14
Allvl chloride
Concen: 4.778 ug/l
RT: 3.56 min Scan# 207
Delta R.T. 0.01 min
Lab File: VD060430.D
Acq: 20 Nov 2018 17:00

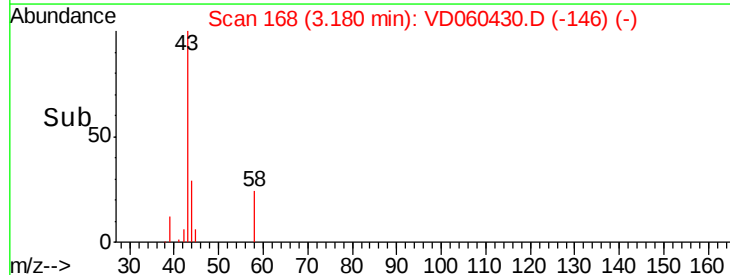
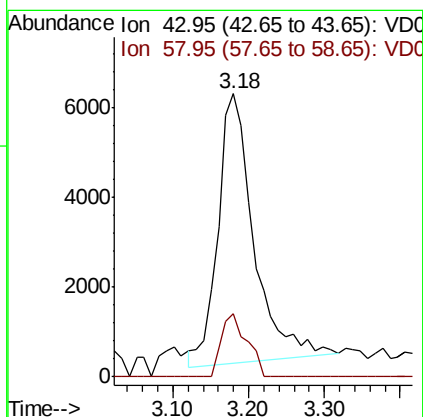
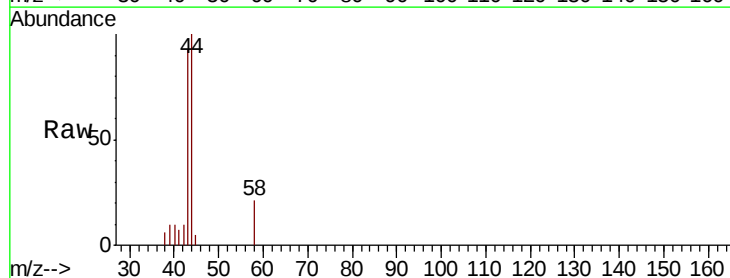
Instrument :
MSVOA_D
ClientSampleId :

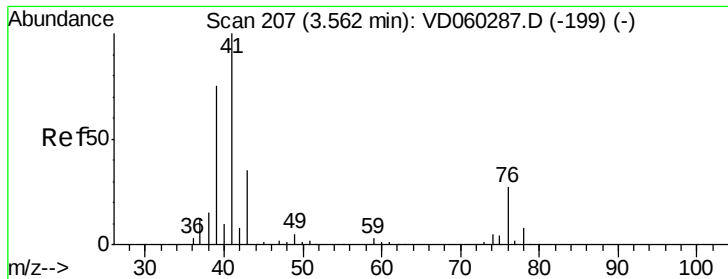
Tot Ion: 41 Resp: 1959
Ion Ratio Lower Upper
41 100
39 87.4 60.4 90.6
76 0.0 21.8 32.8#



#16
Acetone
Concen: 365.212 ug/l
RT: 3.18 min Scan# 168
Delta R.T. 0.01 min
Lab File: VD060430.D
Acq: 20 Nov 2018 17:00

Tgt Ion: 43 Resp: 19921
Ion Ratio Lower Upper
43 100
58 22.2 16.9 25.3

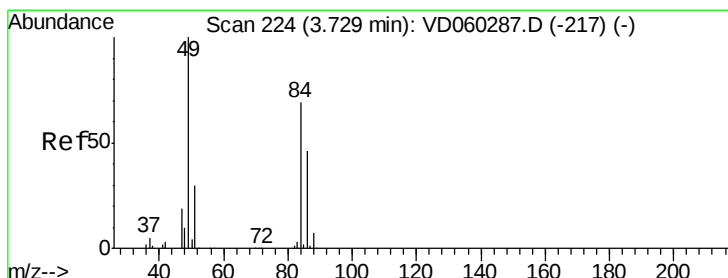
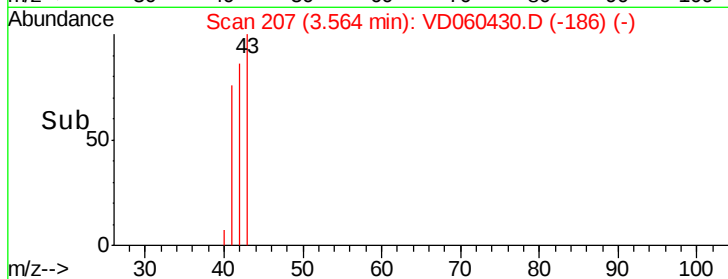
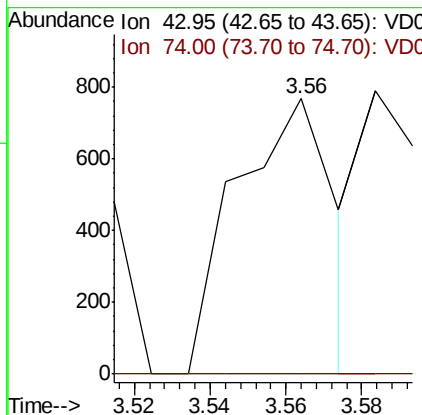
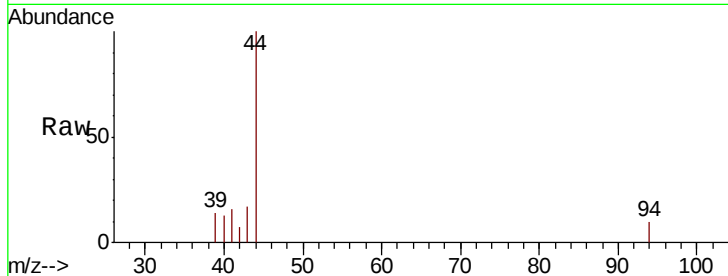




#18
Methyl Acetate
Concen: 11.865 ug/l
RT: 3.56 min Scan# 207
Delta R.T. 0.00 min
Lab File: VD060430.D
Acq: 20 Nov 2018 17:00

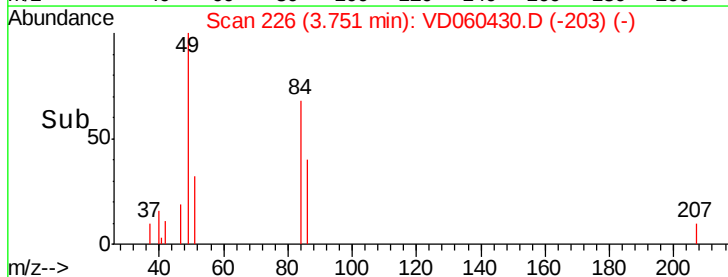
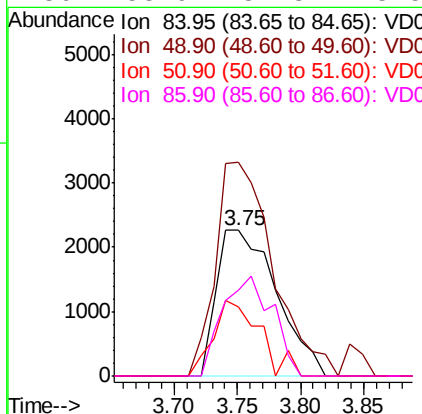
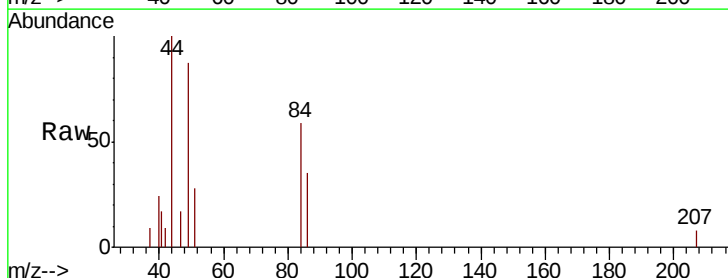
Instrument :
MSVOA_D
ClientSampled :

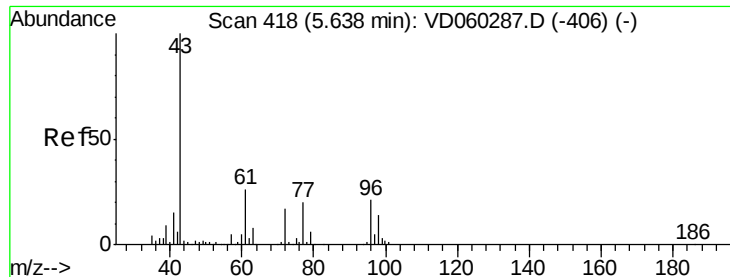
Tot Ion: 43 Resp: 1380
Ion Ratio Lower Upper
43 100
74 0.0 12.4 18.6#



#20
Methylene Chloride
Concen: 15.471 ug/l
RT: 3.75 min Scan# 226
Delta R.T. 0.02 min
Lab File: VD060430.D
Acq: 20 Nov 2018 17:00

Tgt Ion: 84 Resp: 7486
Ion Ratio Lower Upper
84 100
49 146.6 115.6 173.4
51 47.6 35.6 53.4
86 58.9 52.3 78.5





#25

2-Butanone

Concen: 12.754 ug/l

RT: 5.67 min Scan# 421

Delta R.T. 0.03 min

Lab File: VD060430.D

Acq: 20 Nov 2018 17:00

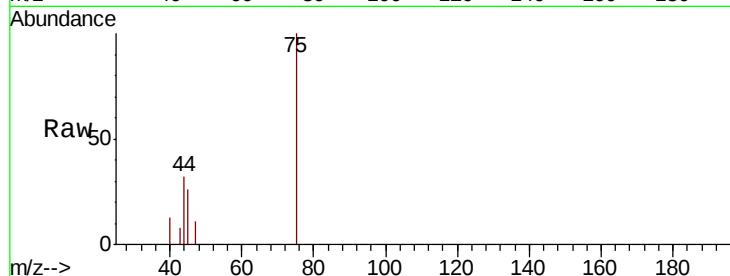
Instrument :
MSVOA_D
ClientSampled :

Tot Ion: 43 Resp: 1446

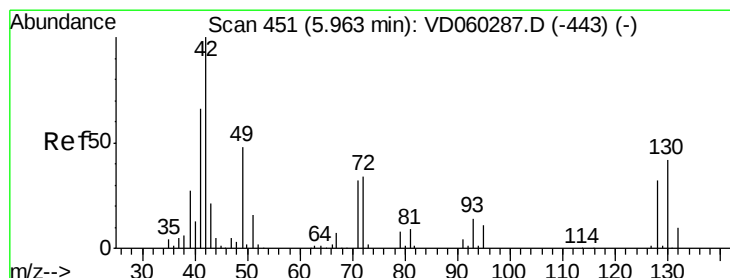
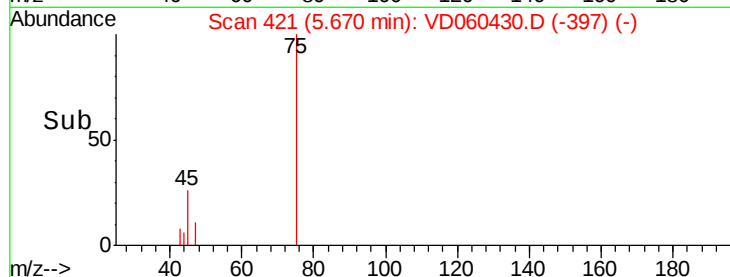
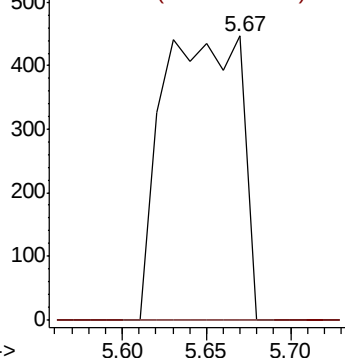
Ion Ratio Lower Upper

43 100

72 0.0 13.8 20.8#



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



#29

Tetrahydrofuran

Concen: 14.337 ug/l

RT: 5.98 min Scan# 453

Delta R.T. 0.02 min

Lab File: VD060430.D

Acq: 20 Nov 2018 17:00

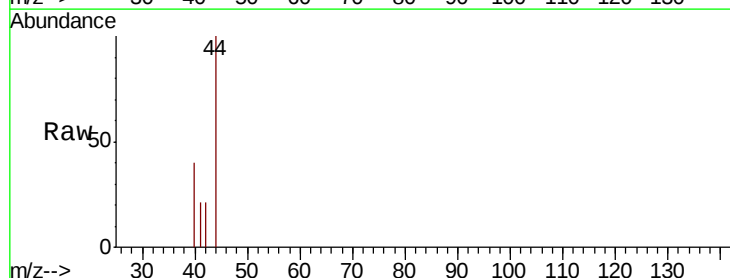
Tgt Ion: 42 Resp: 857

Ion Ratio Lower Upper

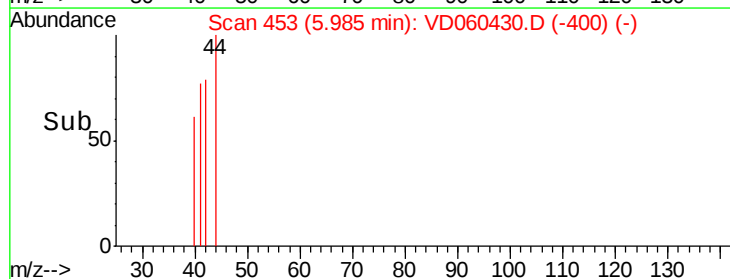
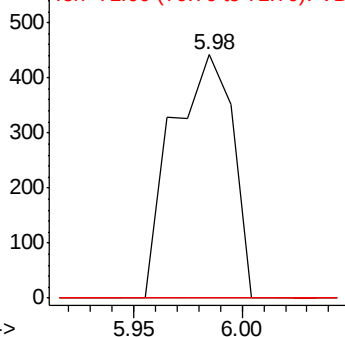
42 100

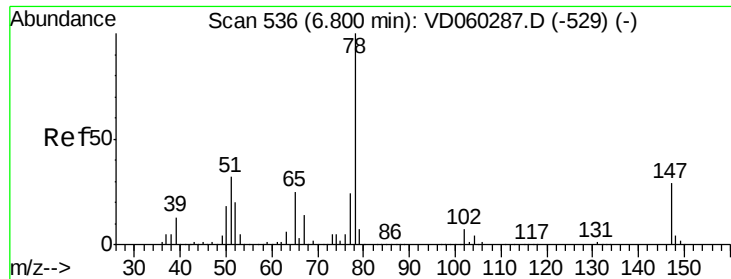
72 0.0 27.6 41.4#

71 0.0 26.5 39.7#



Abundance Ion 42.00 (41.70 to 42.70): VDC
Ion 72.00 (71.70 to 72.70): VDC
Ion 71.00 (70.70 to 71.70): VDC

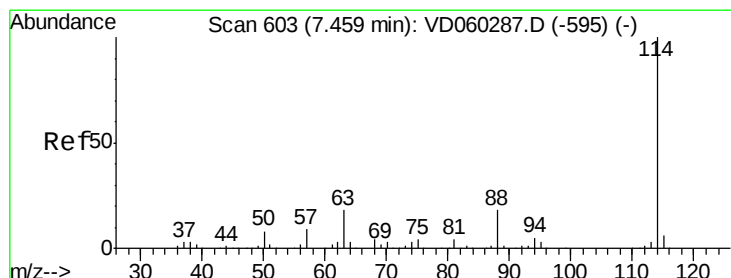
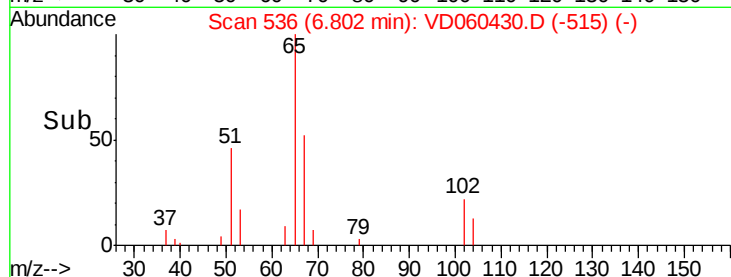
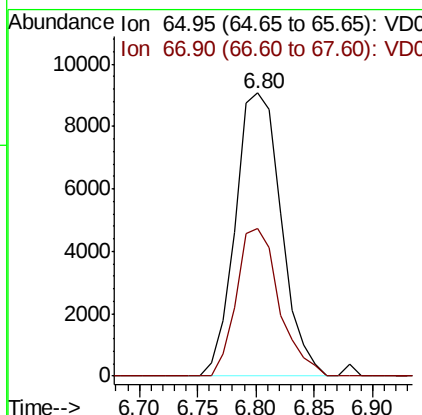
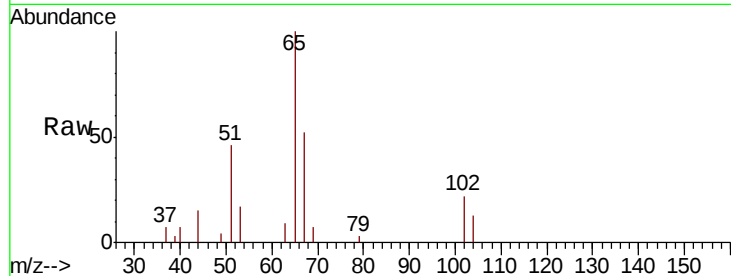




#33
 1,2-Dichloroethane-d4
 Concen: N.D. ug/l
 RT: 6.80 min Scan# 536
 Delta R.T. 0.00 min
 Lab File: VD060430.D
 Acq: 20 Nov 2018 17:00

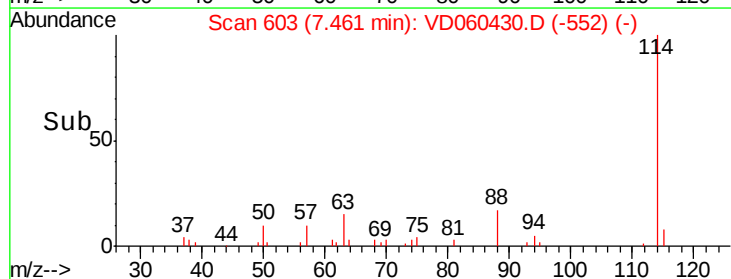
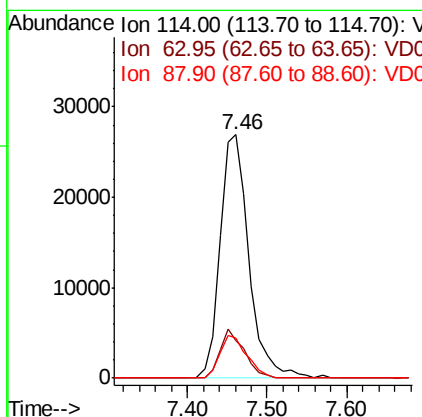
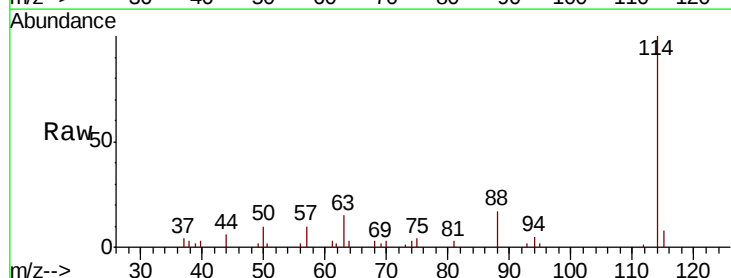
Instrument :
 MSVOA_D
 ClientSampled :

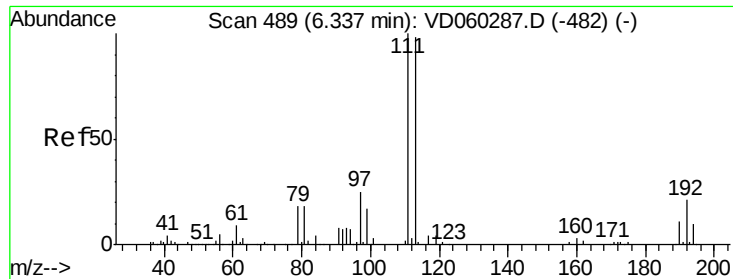
Tot Ion: 65 Resp: 24740
 Ion Ratio Lower Upper
 65 100
 67 52.4 0.0 109.8



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 7.46 min Scan# 603
 Delta R.T. 0.00 min
 Lab File: VD060430.D
 Acq: 20 Nov 2018 17:00

Tgt Ion: 114 Resp: 68315
 Ion Ratio Lower Upper
 114 100
 63 15.5 0.0 34.0
 88 16.7 0.0 35.4

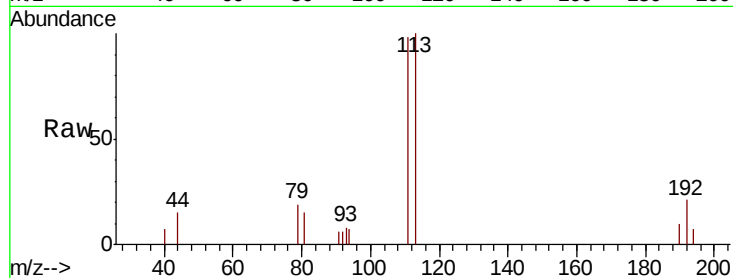




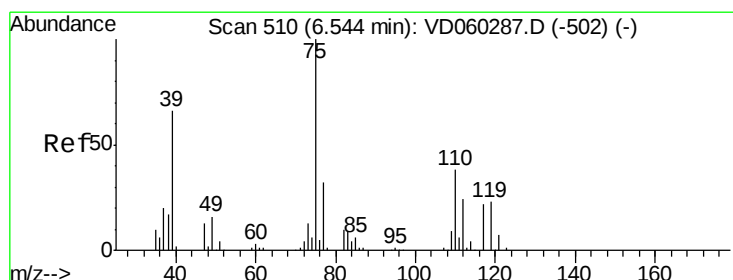
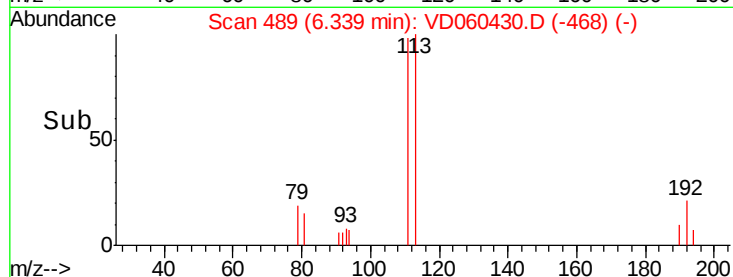
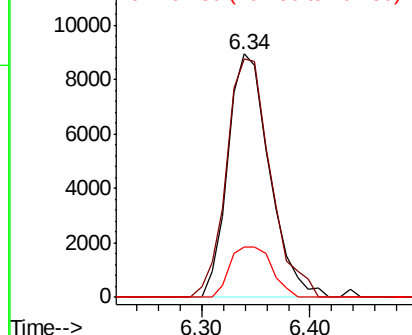
#35
 Dibromofluoromethane
 Concen: 50.000 ug/l
 RT: 6.34 min Scan# 489
 Delta R.T. 0.00 min
 Lab File: VD060430.D
 Acq: 20 Nov 2018 17:00

Instrument :
 MSVOA_D
 ClientSampleId :

Tot Ion:113 Resp: 23900
 Ion Ratio Lower Upper
 113 100
 111 98.1 81.6 122.4
 192 20.9 16.5 24.7

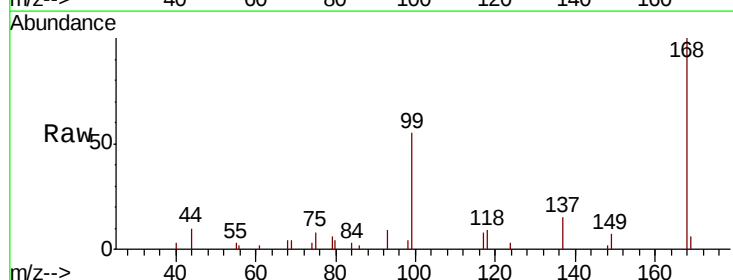


Abundance Ion 112.90 (112.60 to 113.60): V
 Ion 110.90 (110.60 to 111.60): V
 Ion 191.80 (191.50 to 192.50): V

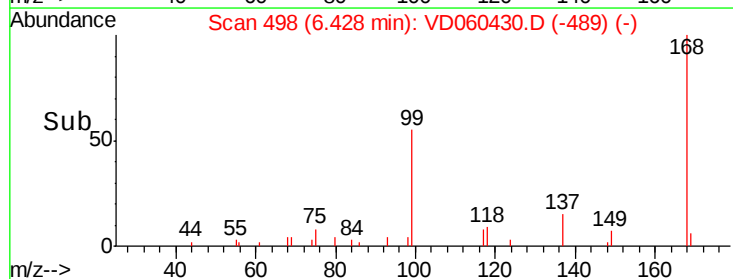
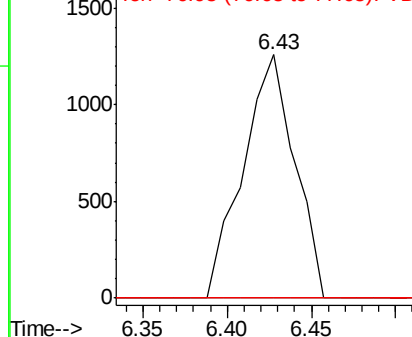


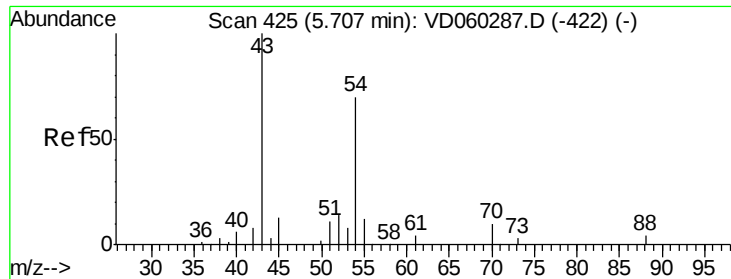
#36
 1,1-Dichloropropene
 Concen: 3.965 ug/l
 RT: 6.43 min Scan# 498
 Delta R.T. -0.12 min
 Lab File: VD060430.D
 Acq: 20 Nov 2018 17:00

Tgt Ion: 75 Resp: 2676
 Ion Ratio Lower Upper
 75 100
 110 0.0 18.0 54.0#
 77 0.0 25.6 38.4#



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

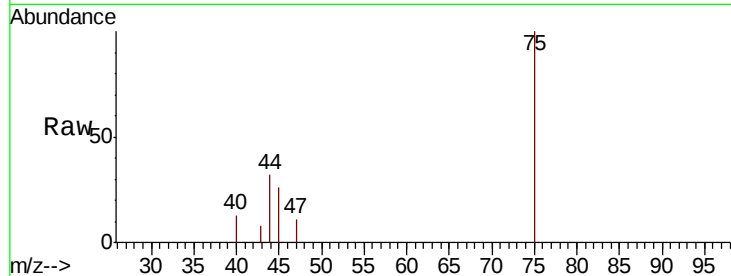




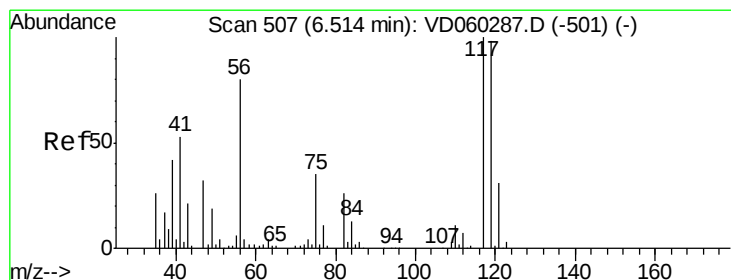
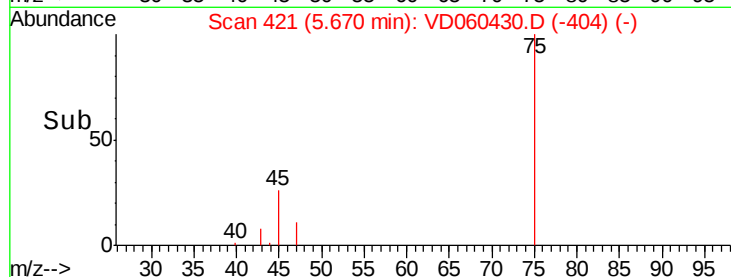
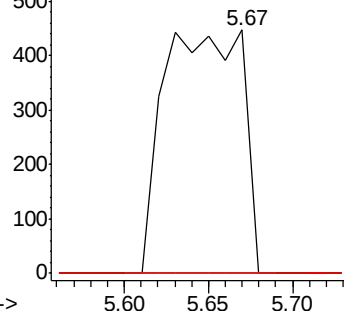
#37
Ethyl Acetate
Concen: 4.656 ug/l
RT: 5.67 min Scan# 421
Delta R.T. -0.04 min
Lab File: VD060430.D
Acq: 20 Nov 2018 17:00

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 43 Resp: 1446
Ion Ratio Lower Upper
43 100
61 0.0 11.8 17.6#
70 0.0 6.2 9.4#

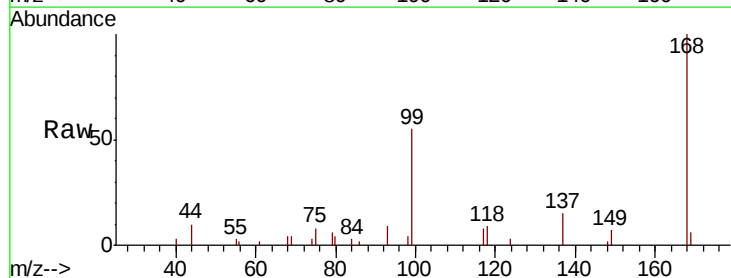


Abundance Ion 42.95 (42.65 to 43.65): VDC
Ion 60.95 (60.65 to 61.65): VDC
Ion 70.00 (69.70 to 70.70): VDC

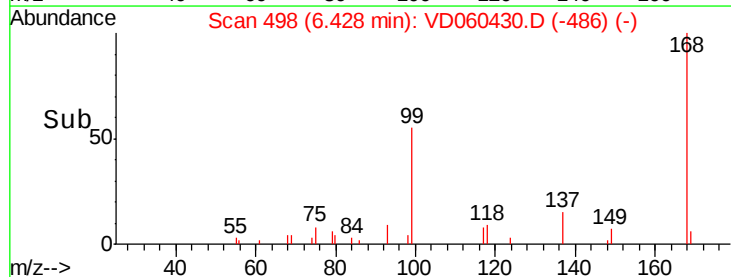
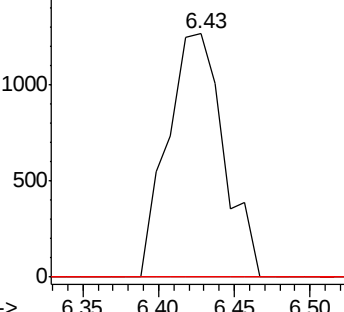


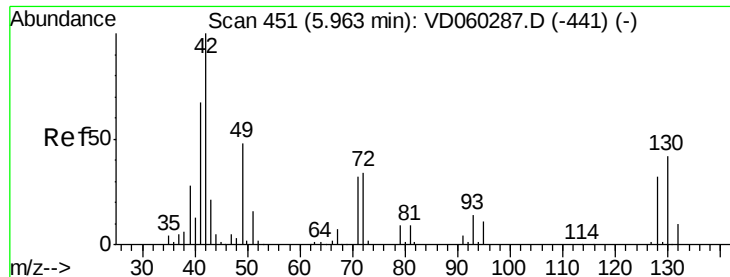
#38
Carbon Tetrachloride
Concen: 5.229 ug/l
RT: 6.43 min Scan# 498
Delta R.T. -0.09 min
Lab File: VD060430.D
Acq: 20 Nov 2018 17:00

Tgt Ion: 117 Resp: 3274
Ion Ratio Lower Upper
117 100
119 0.0 76.6 115.0#
121 0.0 24.3 36.5#



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: 1.885 ug/l

RT: 5.98 min Scan# 453

Delta R.T. 0.02 min

Lab File: VD060430.D

Acq: 20 Nov 2018 17:00

Instrument :

MSVOA_D

ClientSampleId :

Tot Ion: 41 Resp: 670

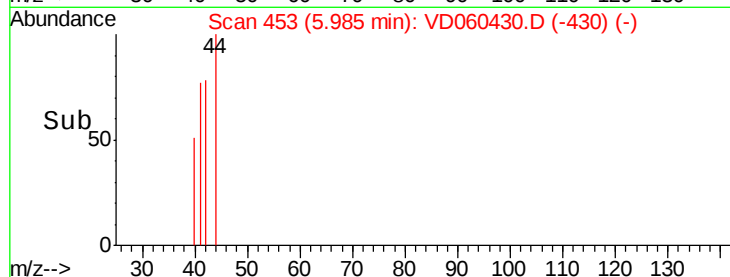
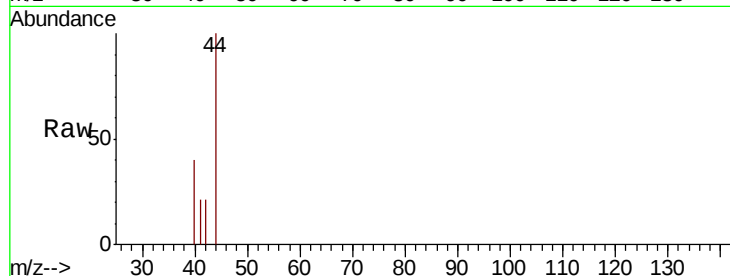
Ion Ratio Lower Upper

41 100

39 0.0 36.2 54.2#

67 0.0 11.9 17.9#

52 0.0 5.2 7.8#

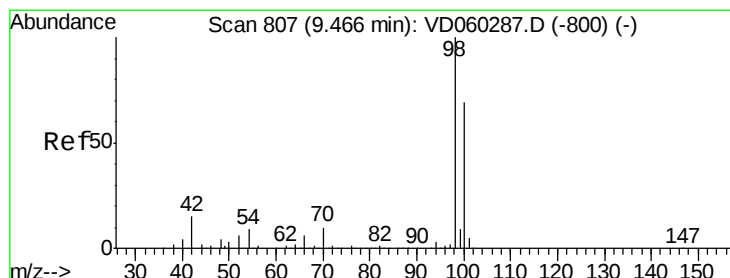
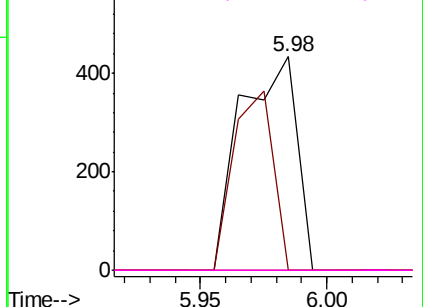


Abundance Ion 40.95 (40.65 to 41.65): VDC

Ion 38.95 (38.65 to 39.65): VDC

Ion 67.00 (66.70 to 67.70): VDC

Ion 52.00 (51.70 to 52.70): VDC



#50

Toluene-d8

Concen: N.D. ug/l

RT: 9.47 min Scan# 807

Delta R.T. 0.00 min

Lab File: VD060430.D

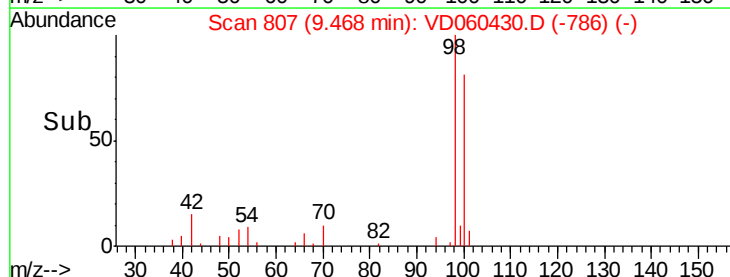
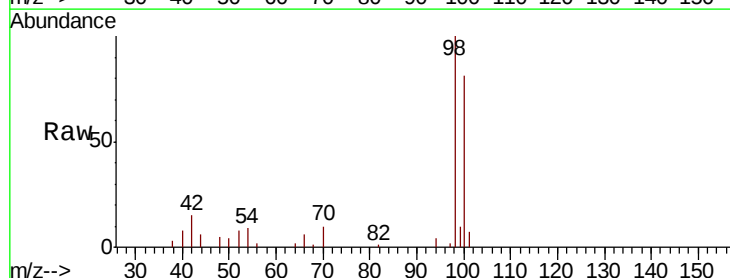
Acq: 20 Nov 2018 17:00

Tgt Ion: 98 Resp: 56861

Ion Ratio Lower Upper

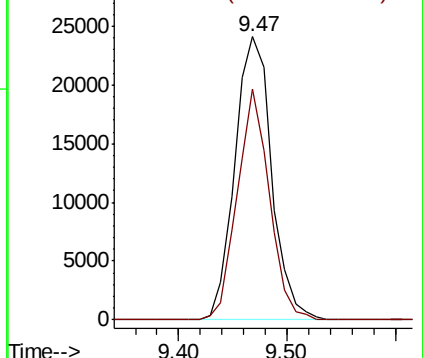
98 100

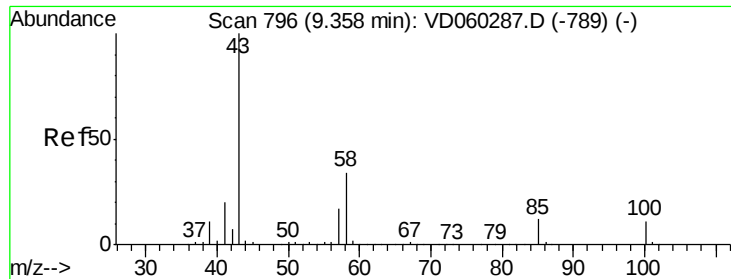
100 81.4 55.2 82.8



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: 1.579 ug/l

RT: 9.36 min Scan# 796

Delta R.T. 0.00 min

Lab File: VD060430.D

Acq: 20 Nov 2018 17:00

Instrument :

MSVOA_D

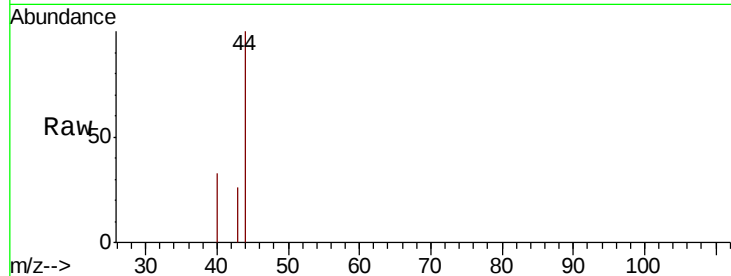
ClientSampled :

Tot Ion: 43 Resp: 401

Ion Ratio Lower Upper

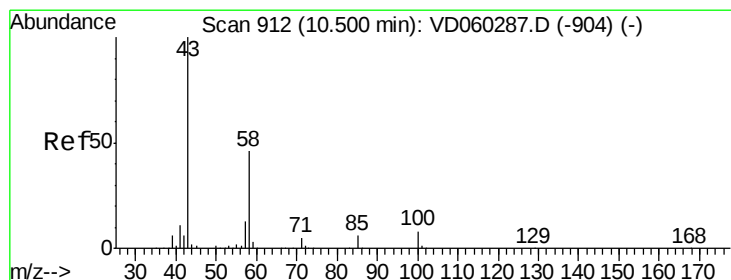
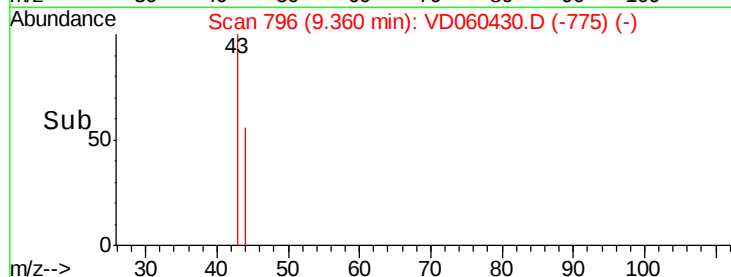
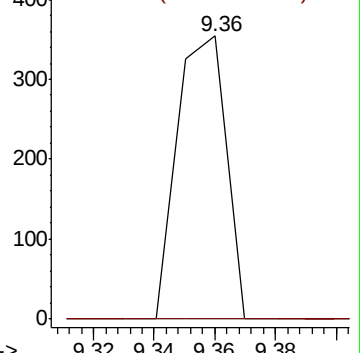
43 100

58 0.0 26.1 39.1#



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC



#59

2-Hexanone

Concen: 1.044 ug/l

RT: 10.49 min Scan# 911

Delta R.T. -0.01 min

Lab File: VD060430.D

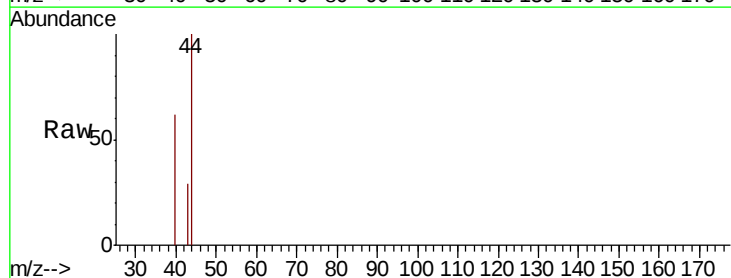
Acq: 20 Nov 2018 17:00

Tgt Ion: 43 Resp: 189

Ion Ratio Lower Upper

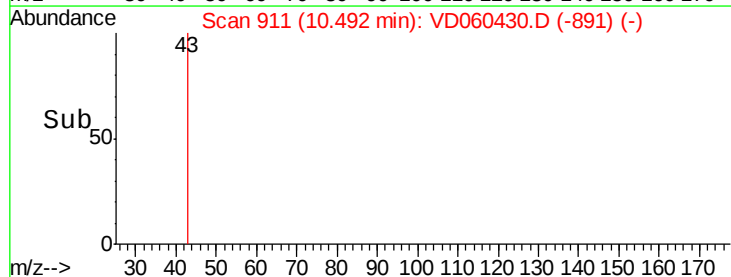
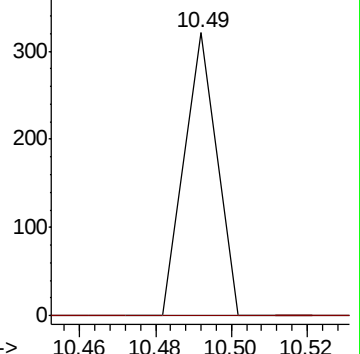
43 100

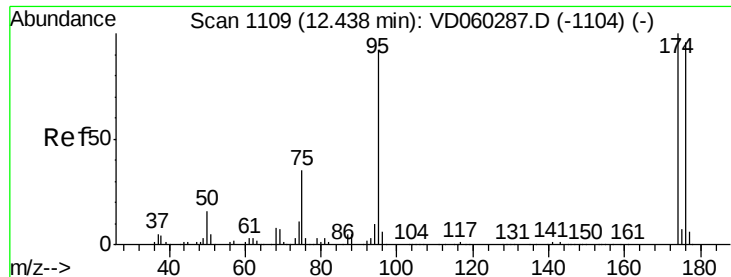
58 0.0 22.9 68.5#



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC

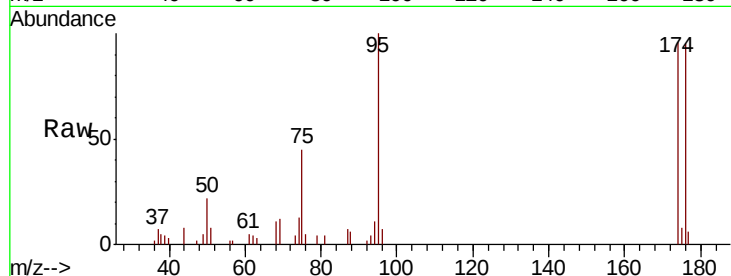




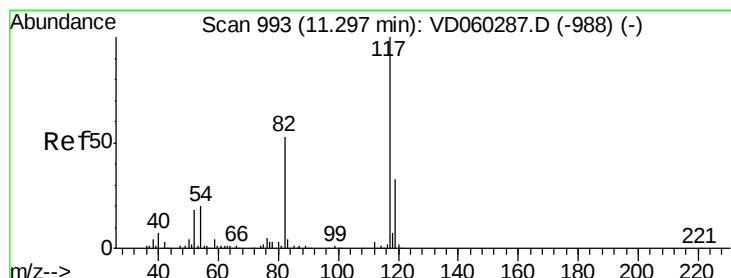
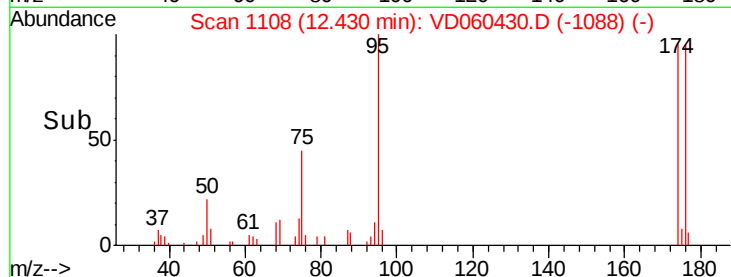
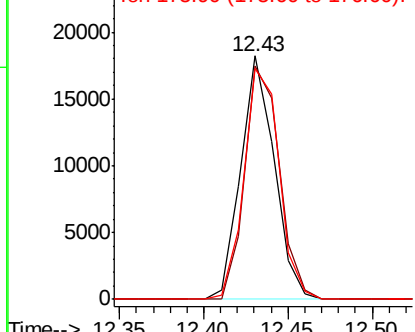
#62
4-Bromofluorobenzene
Concen: N.D. ug/l
RT: 12.43 min Scan# 1108
Delta R.T. -0.01 min
Lab File: VD060430.D
Acq: 20 Nov 2018 17:00

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 95 Resp: 25084
Ion Ratio Lower Upper
95 100
174 95.7 0.0 160.8
176 94.6 0.0 154.6

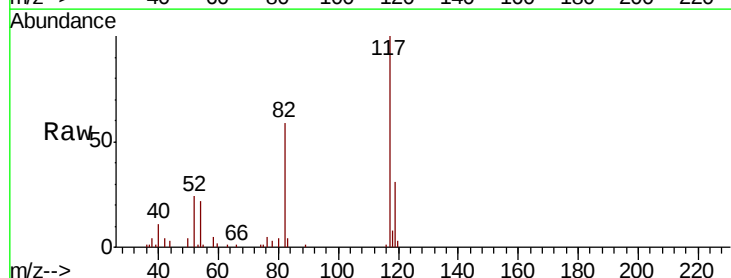


Abundance Ion 95.00 (94.70 to 95.70): V
Ion 173.90 (173.60 to 174.60): V
Ion 175.90 (175.60 to 176.60): V

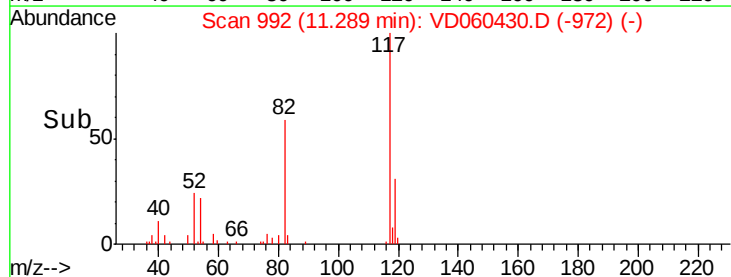
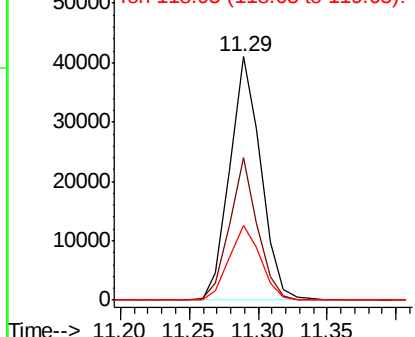


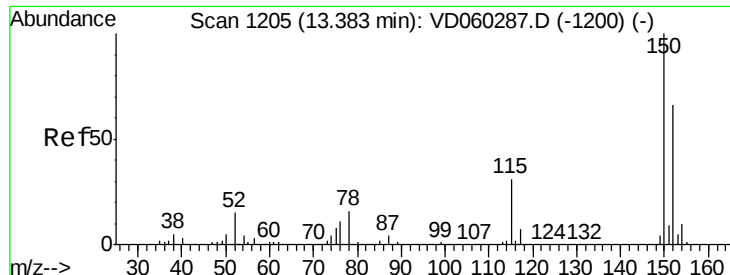
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.29 min Scan# 992
Delta R.T. -0.01 min
Lab File: VD060430.D
Acq: 20 Nov 2018 17:00

Tgt Ion: 117 Resp: 64424
Ion Ratio Lower Upper
117 100
82 58.7 43.7 65.5
119 30.8 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: 13.38 min Scan# 1204

Delta R.T. -0.01 min

Lab File: VD060430.D

Acq: 20 Nov 2018 17:00

Instrument :

MSVOA_D

ClientSampleId :

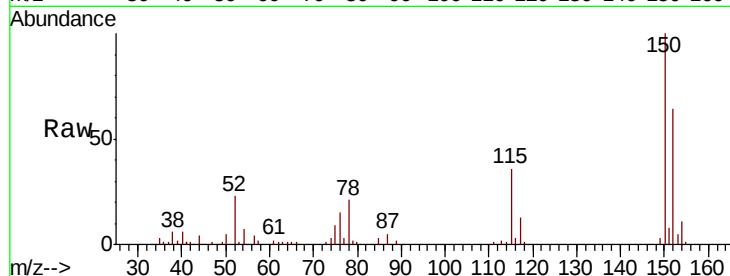
Tot Ion:152 Resp: 36235

Ion Ratio Lower Upper

152 100

115 56.2 24.1 72.3

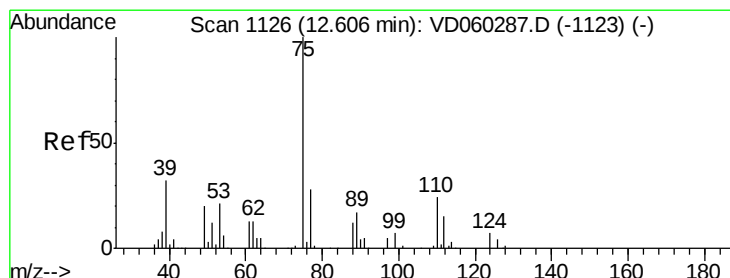
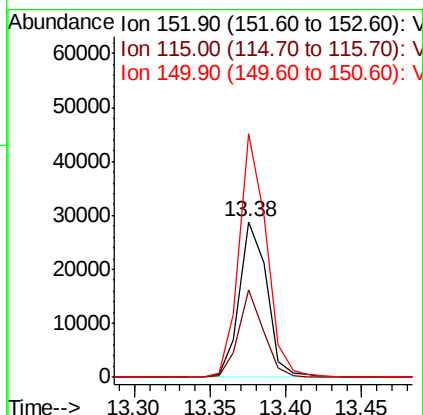
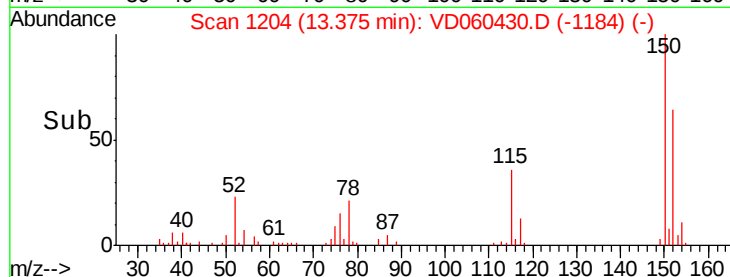
150 156.2 0.0 310.6



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: 19.414 ug/l

RT: 12.43 min Scan# 1108

Delta R.T. -0.18 min

Lab File: VD060430.D

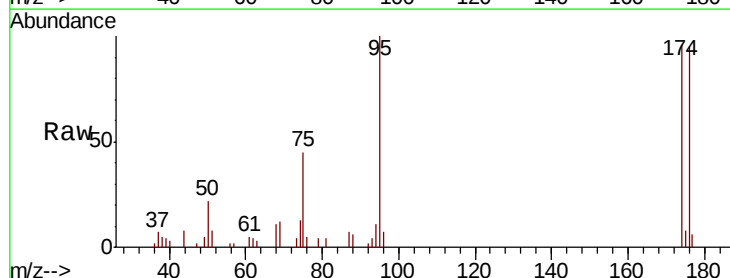
Acq: 20 Nov 2018 17:00

Tgt Ion: 75 Resp: 8415

Ion Ratio Lower Upper

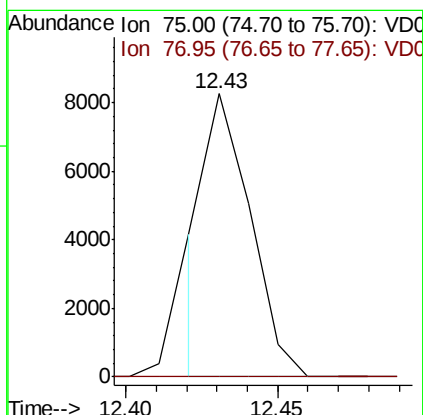
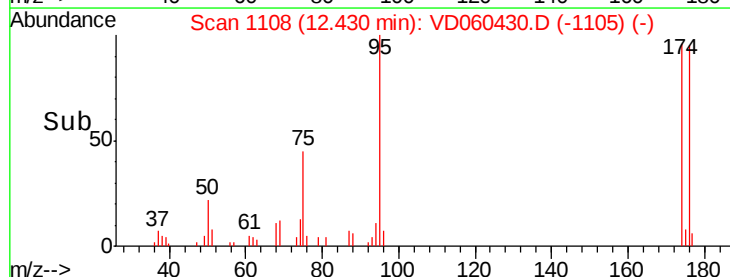
75 100

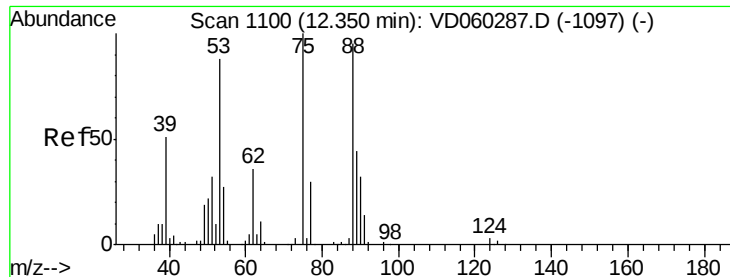
77 0.0 16.4 49.1#



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: 89.900 ug/l

RT: 12.43 min Scan# 1108

Delta R.T. 0.08 min

Lab File: VD060430.D

Acq: 20 Nov 2018 17:00

Instrument :

MSVOA_D

ClientSampleId :

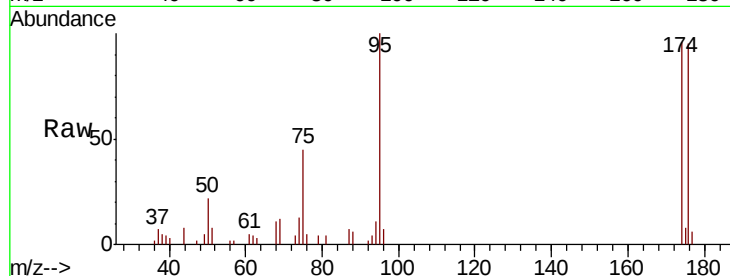
Tot Ion: 75 Resp: 11094

Ion Ratio Lower Upper

75 100

53 0.0 68.6 103.0#

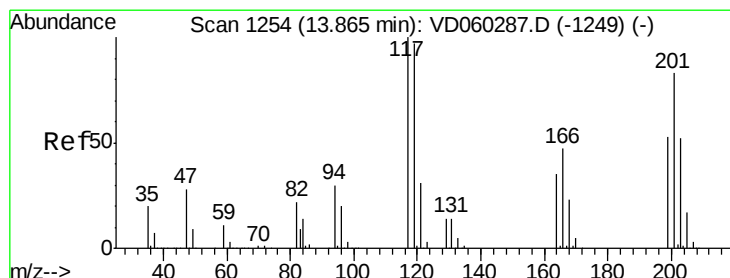
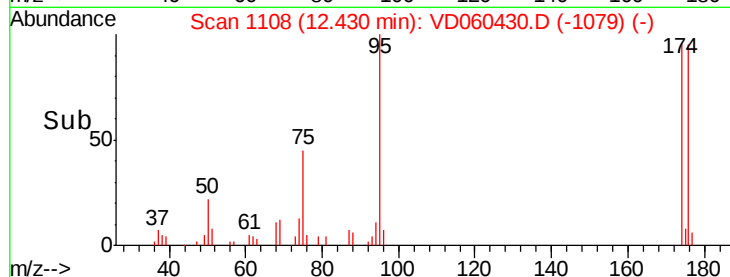
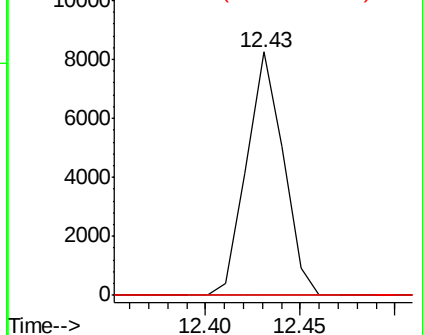
89 0.0 34.1 51.1#



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



#90

Hexachloroethane

Concen: 1.036 ug/l

RT: 14.00 min Scan# 1267

Delta R.T. 0.13 min

Lab File: VD060430.D

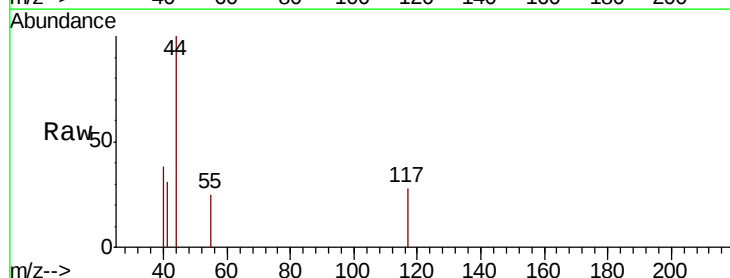
Acq: 20 Nov 2018 17:00

Tgt Ion: 117 Resp: 553

Ion Ratio Lower Upper

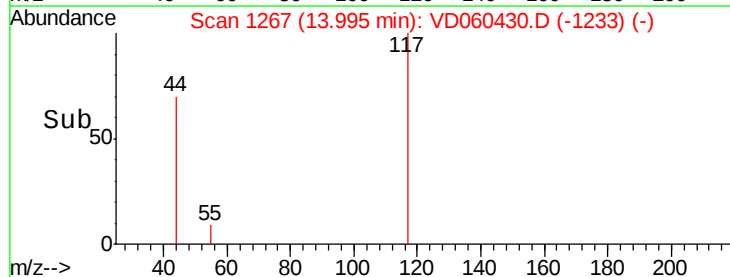
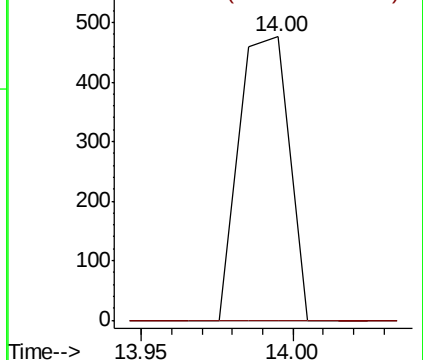
117 100

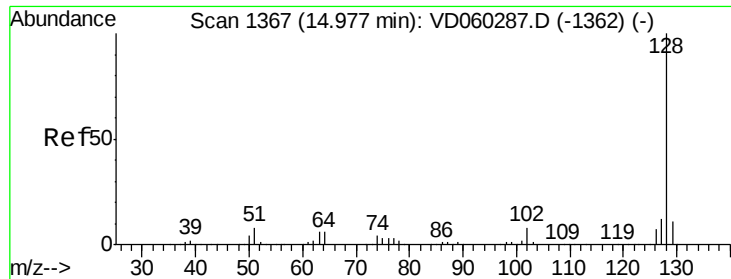
201 0.0 40.1 120.3#



Abundance Ion 116.85 (116.55 to 117.55): V

Ion 200.75 (200.45 to 201.45): V





#95

Naphthalene

Concen: 1.427 ug/l

RT: 14.97 min Scan# 1366

Delta R.T. -0.01 min

Lab File: VD060430.D

Acq: 20 Nov 2018 17:00

Instrument :

MSVOA_D

ClientSampleId :

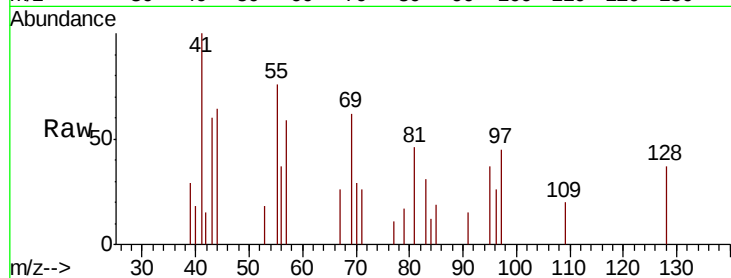
Tot Ion:128 Resp: 1416

Ion Ratio Lower Upper

128 100

127 0.0 9.6 14.4#

129 0.0 8.6 12.8#



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

