

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD110718\
 Data File : VD060302.D
 Acq On : 7 Nov 2018 15:46
 Operator : JC/SY
 Sample : J5827-41
 Misc : 6.00µl/5ml/MSVOA D/SOIL
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

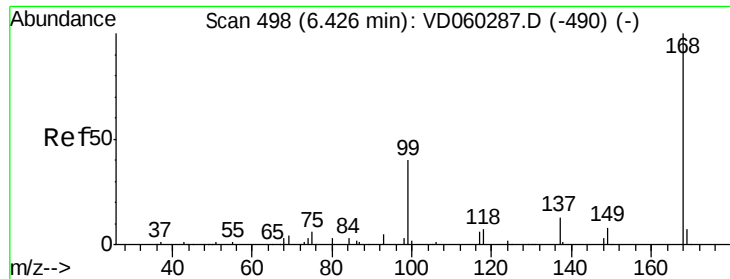
Quant Time: Nov 08 08:16:13 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D110618S.M
 Quant Title : SW846 8260
 QLast Update : Tue Nov 06 13:56:04 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	6.41	168	235079	50.00	ug/l	-0.02
34) 1,4-Difluorobenzene	7.44	114	468965	50.00	ug/l	-0.02
63) Chlorobenzene-d5	11.28	117	388049	50.00	ug/l	-0.02
72) 1,4-Dichlorobenzene-d4	13.38	152	189628	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.78	65	208772	124.03	ug/l	-0.02
Spiked Amount	50.000		Recovery	=	248.06%	
35) Dibromofluoromethane	6.32	113	199639	57.09	ug/l	-0.02
Spiked Amount	50.000		Recovery	=	114.18%	
50) Toluene-d8	9.45	98	394108	38.51	ug/l	-0.02
Spiked Amount	50.000		Recovery	=	77.02%	
62) 4-Bromofluorobenzene	12.42	95	182442	49.19	ug/l	-0.02
Spiked Amount	50.000		Recovery	=	98.38%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	2.17	94	1099	2.55	ug/l #	2
8) Diethyl Ether	2.83	74	1542	3.97	ug/l	84
16) Acetone	3.16	43	2858	9.79	ug/l #	55
18) Methyl Acetate	3.54	43	3389	5.44	ug/l #	63
20) Methylene Chloride	3.72	84	33052	12.76	ug/l	92
29) Tetrahydrofuran	5.95	42	1274	3.98	ug/l #	41
31) Cyclohexane	6.40	56	4379	1.09	ug/l #	1
36) 1,1-Dichloropropene	6.40	75	16687	3.60	ug/l #	50
38) Carbon Tetrachloride	6.41	117	19200	4.47	ug/l #	12
51) 4-Methyl-2-Pentanone	9.45	43	2742	1.57	ug/l #	6
81) trans-1,4-Dichloro-2-buten	12.42	75	75302	116.60	ug/l #	15

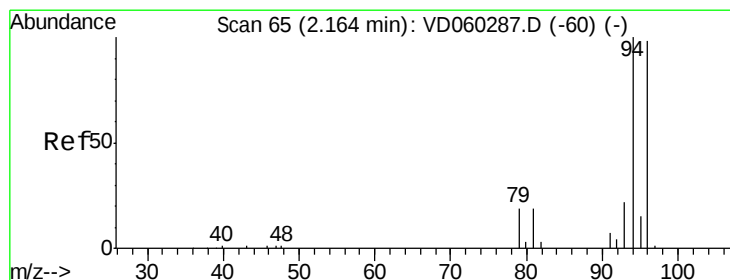
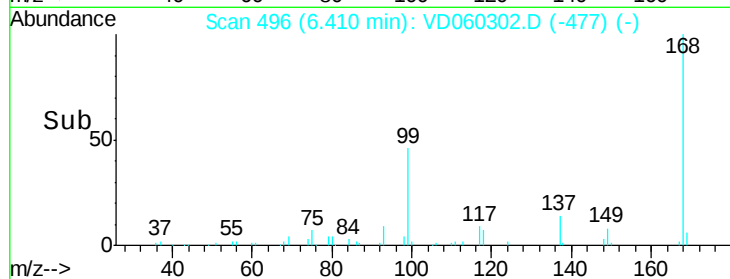
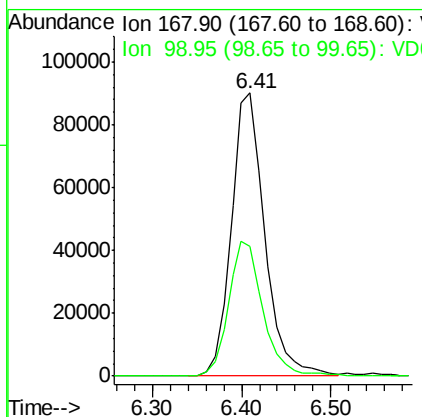
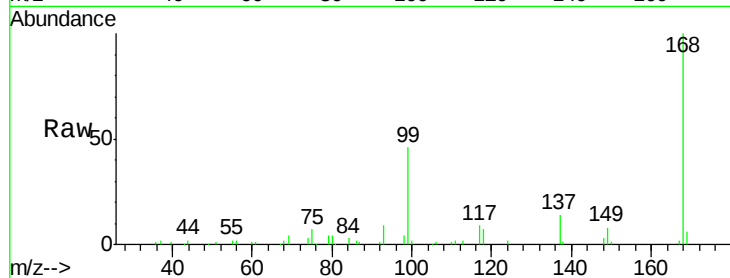
(#) = qualifier out of range (m) = manual integration (+) = signals summed



#1
Pentafluorobenzene
Concen: 50.00 ug/l
RT: 6.41 min Scan# 496
Delta R.T. -0.02 min
Lab File: VD060302.D
Acq: 7 Nov 2018 15:46

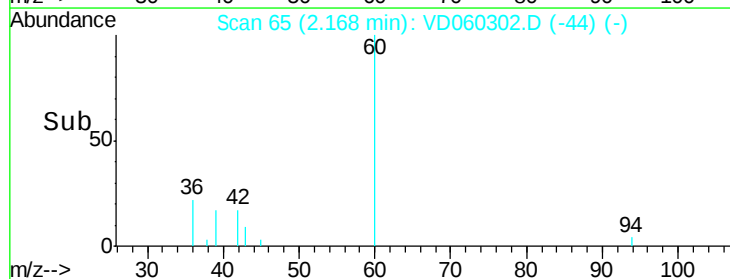
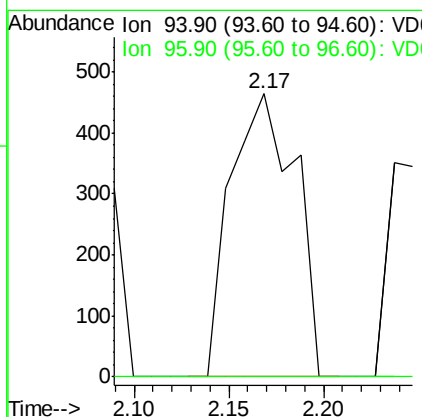
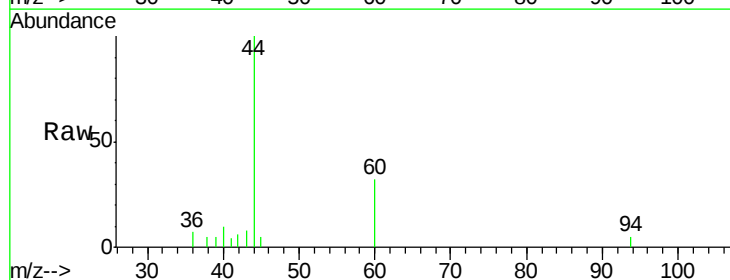
Instrument :
MSVOA_D
ClientSampleId :

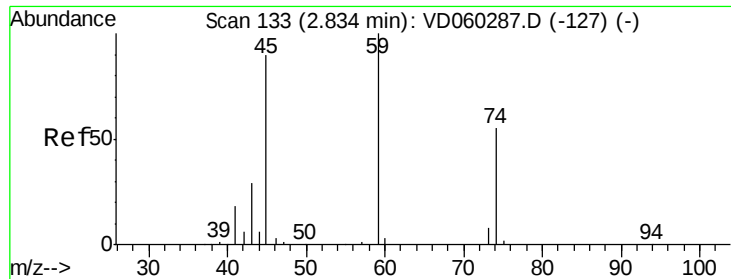
Tot Ion:168 Resp: 235079
Ion Ratio Lower Upper
168 100
99 45.8 39.8 59.8



#5
Bromomethane
Concen: 2.55 ug/l
RT: 2.17 min Scan# 65
Delta R.T. 0.00 min
Lab File: VD060302.D
Acq: 7 Nov 2018 15:46

Tgt Ion: 94 Resp: 1099
Ion Ratio Lower Upper
94 100
96 0.0 76.6 114.8#





#8

Diethyl Ether

Concen: 3.97 ug/l

RT: 2.83 min Scan# 132

Delta R.T. -0.01 min

Lab File: VD060302.D

Acq: 7 Nov 2018 15:46

Instrument :

MSVOA_D

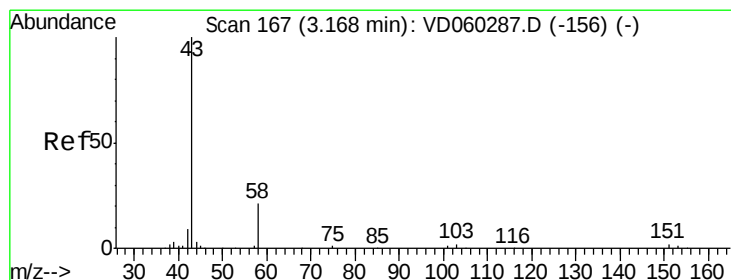
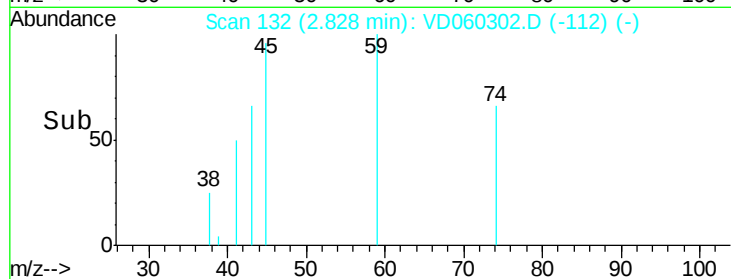
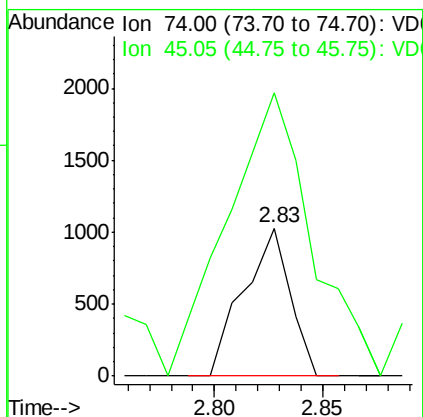
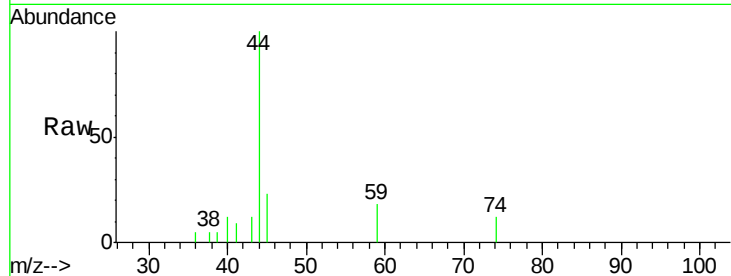
ClientSampled :

Tot Ion: 74 Resp: 1542

Ion Ratio Lower Upper

74 100

45 191.2 84.8 254.4



#16

Acetone

Concen: 9.79 ug/l

RT: 3.16 min Scan# 166

Delta R.T. -0.01 min

Lab File: VD060302.D

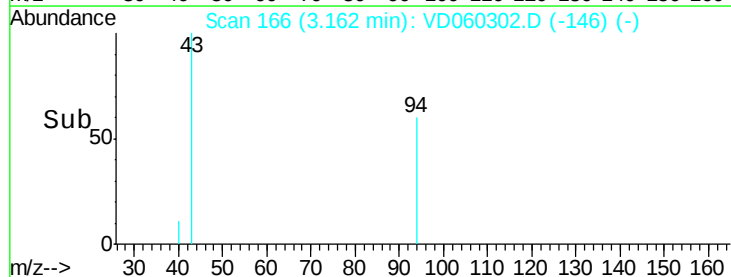
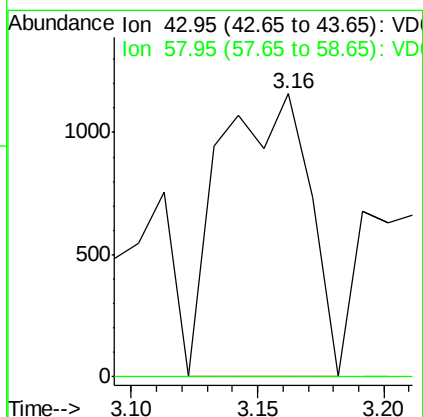
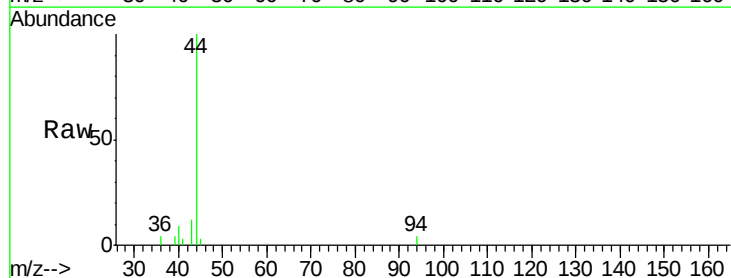
Acq: 7 Nov 2018 15:46

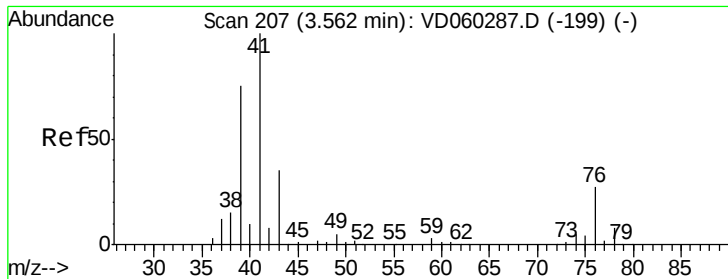
Tgt Ion: 43 Resp: 2858

Ion Ratio Lower Upper

43 100

58 0.0 16.9 25.3#

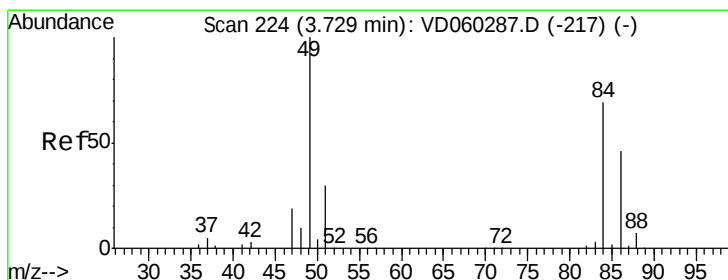
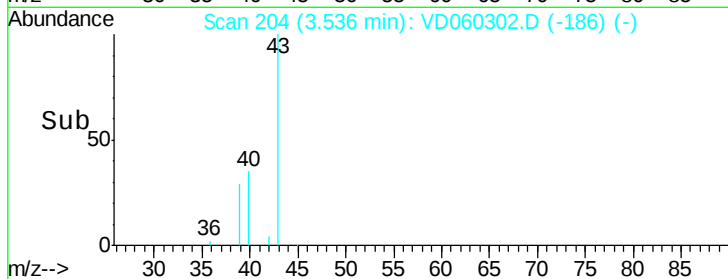
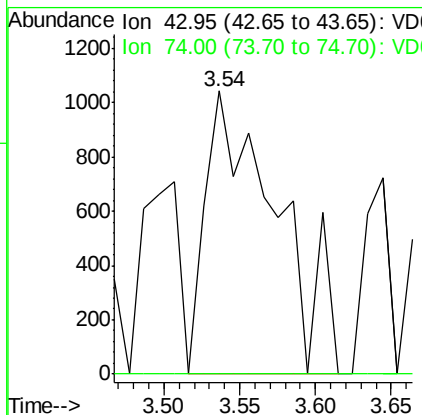
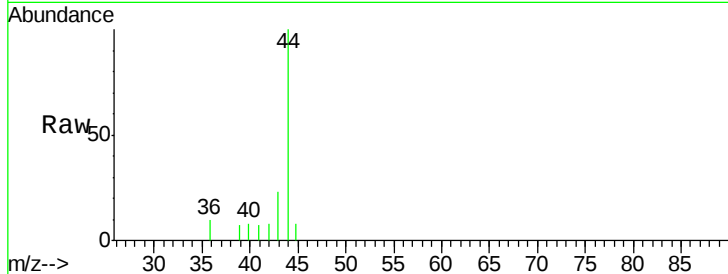




#18
Methyl Acetate
Concen: 5.44 ug/l
RT: 3.54 min Scan# 204
Delta R.T. -0.03 min
Lab File: VD060302.D
Acq: 7 Nov 2018 15:46

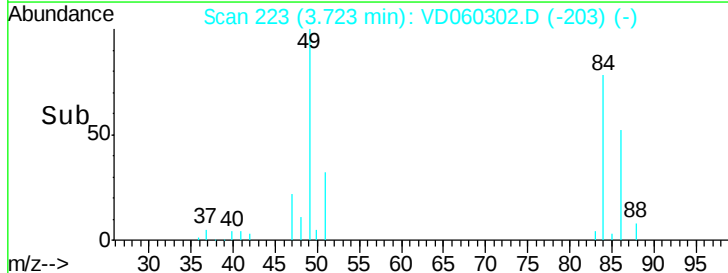
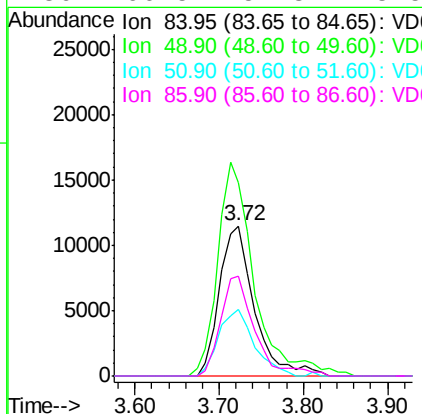
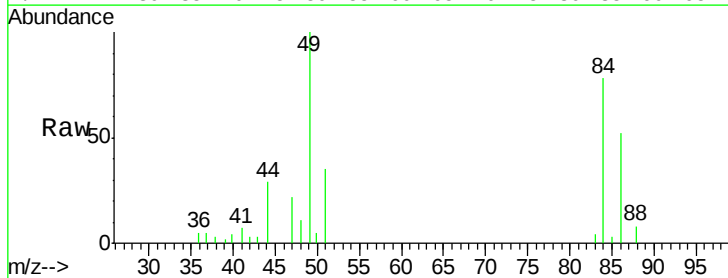
Instrument :
MSVOA_D
ClientSampled :

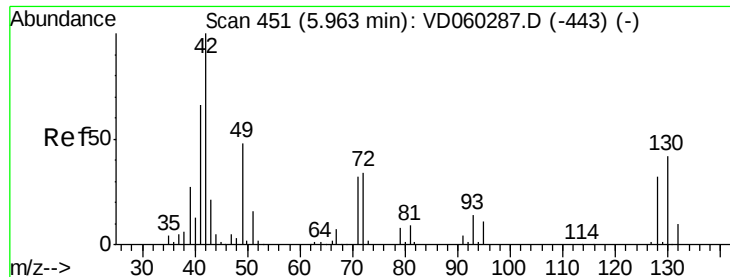
Tot Ion: 43 Resp: 3389
Ion Ratio Lower Upper
43 100
74 0.0 12.4 18.6#



#20
Methylene Chloride
Concen: 12.76 ug/l
RT: 3.72 min Scan# 223
Delta R.T. -0.01 min
Lab File: VD060302.D
Acq: 7 Nov 2018 15:46

Tgt Ion: 84 Resp: 33052
Ion Ratio Lower Upper
84 100
49 128.7 115.6 173.4
51 44.4 35.6 53.4
86 66.5 52.3 78.5





#29

Tetrahydrofuran

Concen: 3.98 ug/l

RT: 5.95 min Scan# 449

Delta R.T. -0.02 min

Lab File: VD060302.D

Acq: 7 Nov 2018 15:46

Instrument :

MSVOA_D

ClientSampled :

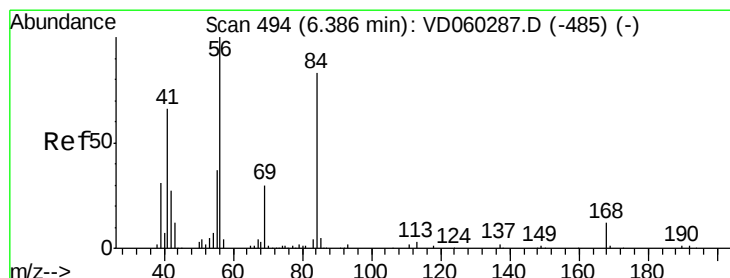
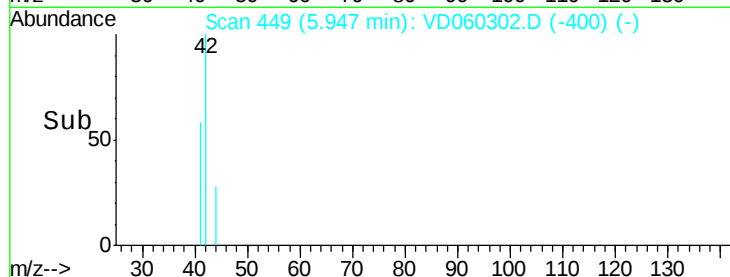
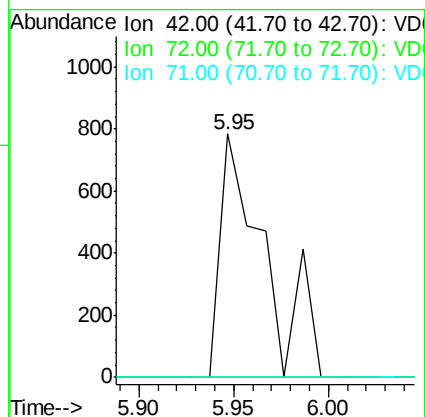
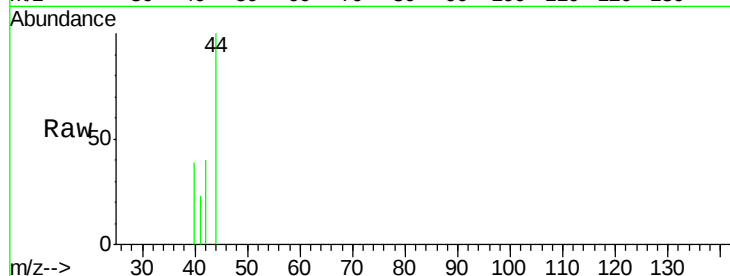
Tot Ion: 42 Resp: 1274

Ion Ratio Lower Upper

42 100

72 0.0 27.6 41.4#

71 0.0 26.5 39.7#



#31

Cyclohexane

Concen: 1.09 ug/l

RT: 6.40 min Scan# 495

Delta R.T. 0.01 min

Lab File: VD060302.D

Acq: 7 Nov 2018 15:46

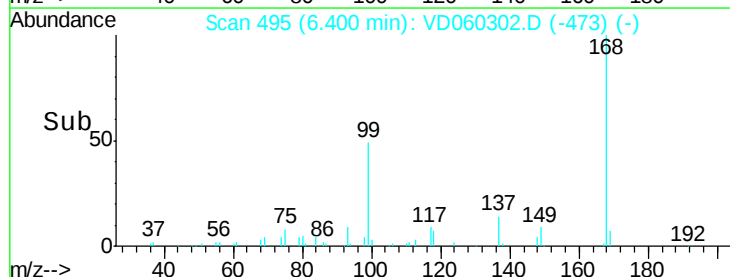
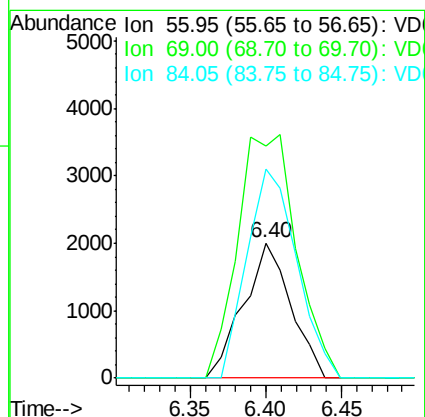
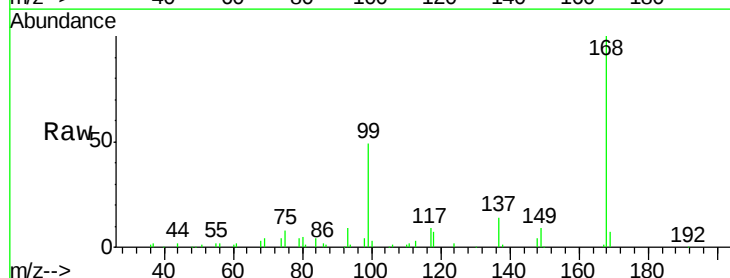
Tgt Ion: 56 Resp: 4379

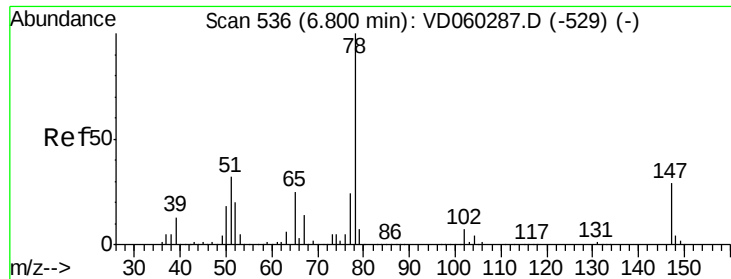
Ion Ratio Lower Upper

56 100

69 171.0 22.2 33.2#

84 154.5 63.0 94.4#





#33

1,2-Dichloroethane-d4

Concen: N.D. ug/l

RT: 6.78 min Scan# 534

Delta R.T. -0.02 min

Lab File: VD060302.D

Acq: 7 Nov 2018 15:46

Instrument :

MSVOA_D

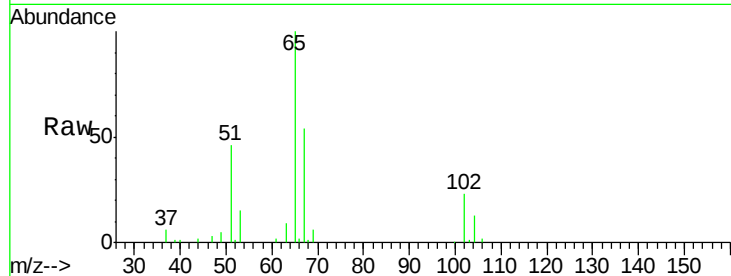
ClientSampleId :

Tot Ion: 65 Resp: 208772

Ion Ratio Lower Upper

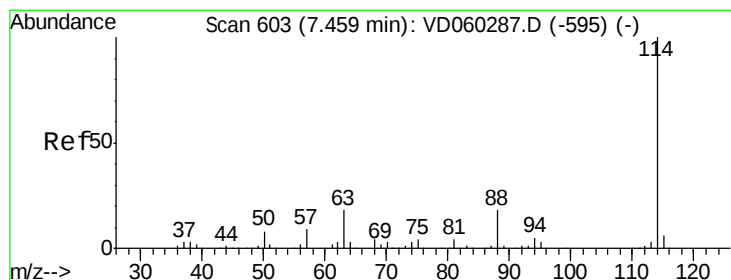
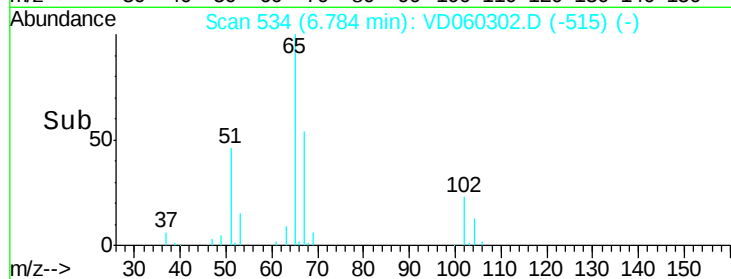
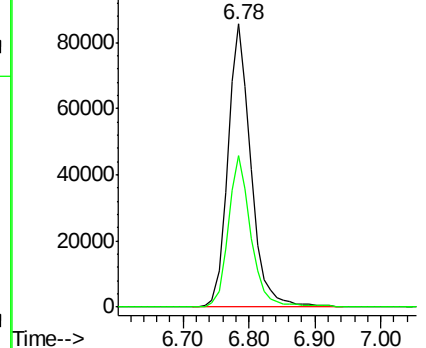
65 100

67 53.6 0.0 109.8



Abundance Ion 64.95 (64.65 to 65.65): VD

Ion 66.90 (66.60 to 67.60): VD



#34

1,4-Difluorobenzene

Concen: 50.00 ug/l

RT: 7.44 min Scan# 601

Delta R.T. -0.02 min

Lab File: VD060302.D

Acq: 7 Nov 2018 15:46

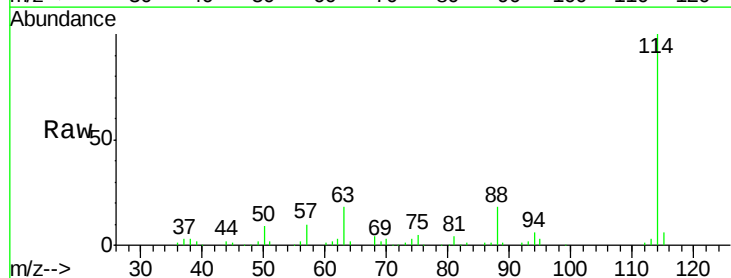
Tgt Ion: 114 Resp: 468965

Ion Ratio Lower Upper

114 100

63 18.4 0.0 34.0

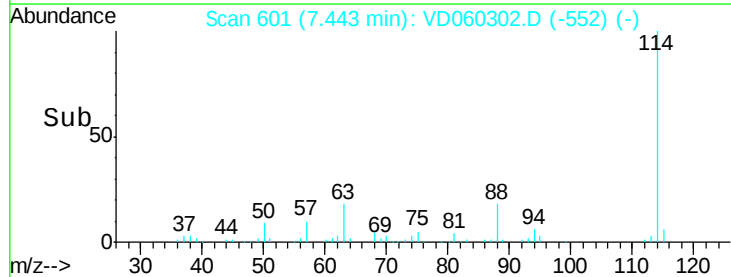
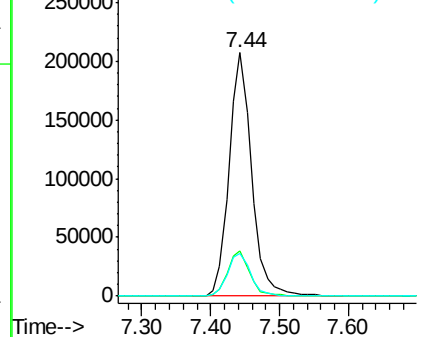
88 17.6 0.0 35.4

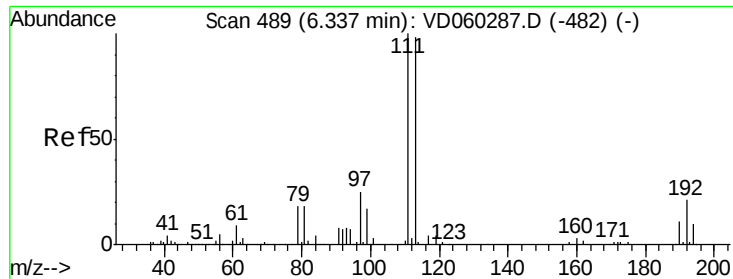


Abundance Ion 114.00 (113.70 to 114.70):

Ion 62.95 (62.65 to 63.65): VD

Ion 87.90 (87.60 to 88.60): VD

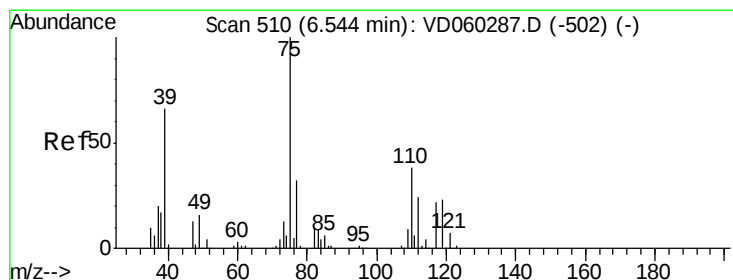
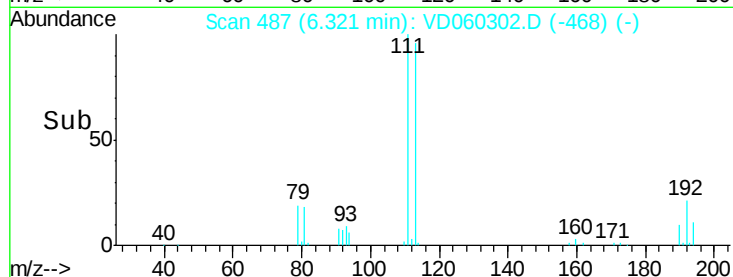
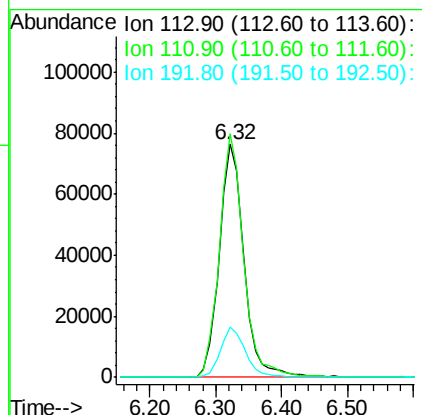
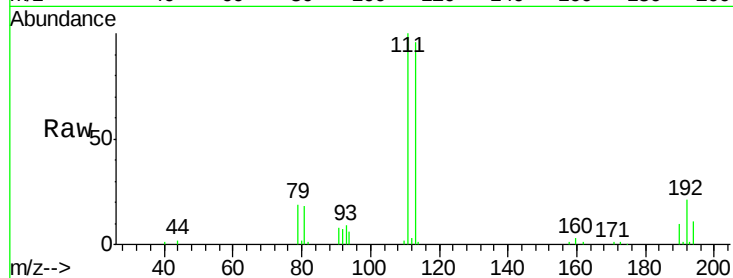




#35
Dibromofluoromethane
Concen: 50.00 ug/l
RT: 6.32 min Scan# 487
Delta R.T. -0.02 min
Lab File: VD060302.D
Acq: 7 Nov 2018 15:46

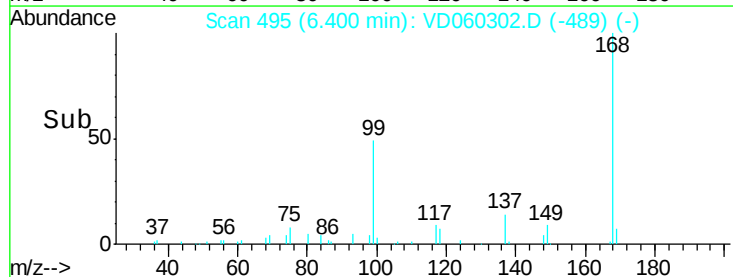
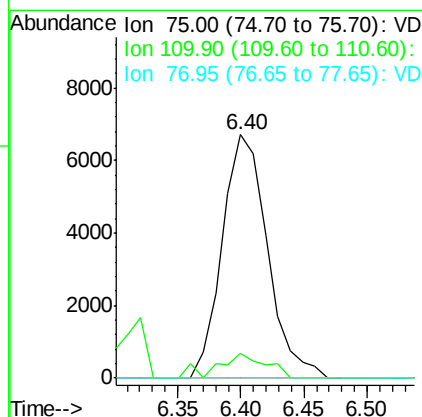
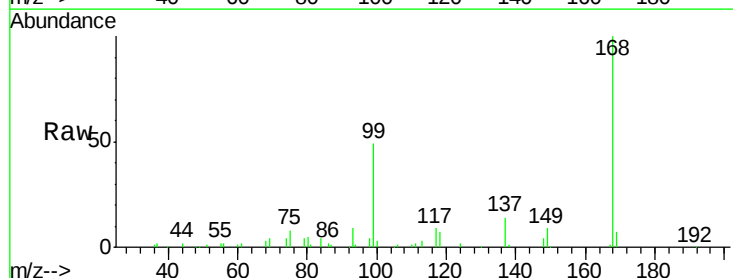
Instrument :
MSVOA_D
ClientSampleId :

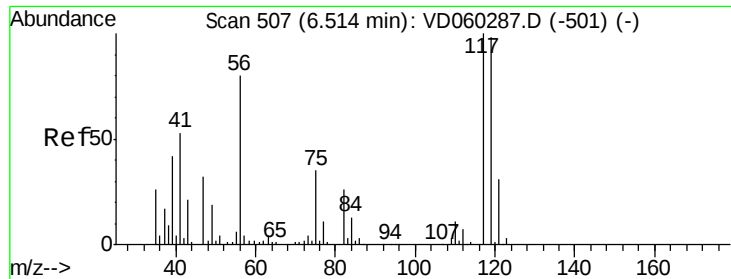
Tot Ion:113 Resp: 199639
Ion Ratio Lower Upper
113 100
111 104.4 81.6 122.4
192 21.8 16.5 24.7



#36
1,1-Dichloropropene
Concen: 3.60 ug/l
RT: 6.40 min Scan# 495
Delta R.T. -0.14 min
Lab File: VD060302.D
Acq: 7 Nov 2018 15:46

Tgt Ion: 75 Resp: 16687
Ion Ratio Lower Upper
75 100
110 10.1 18.0 54.0#
77 0.0 25.6 38.4#

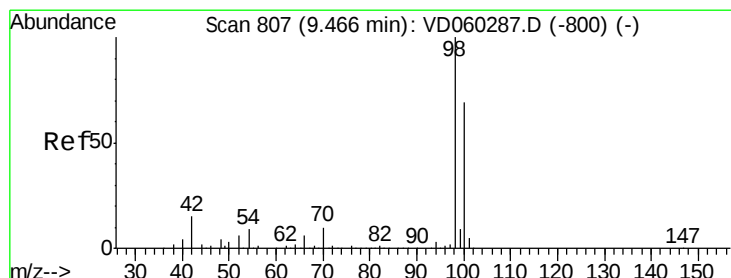
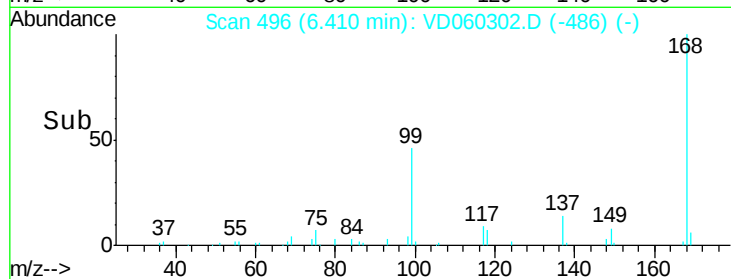
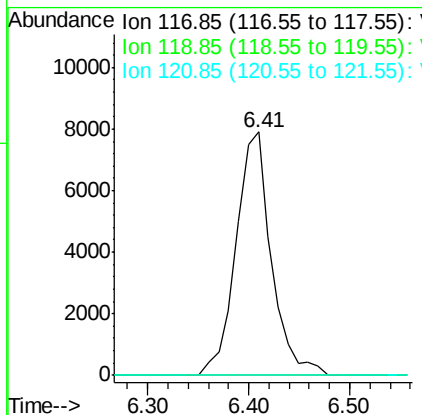
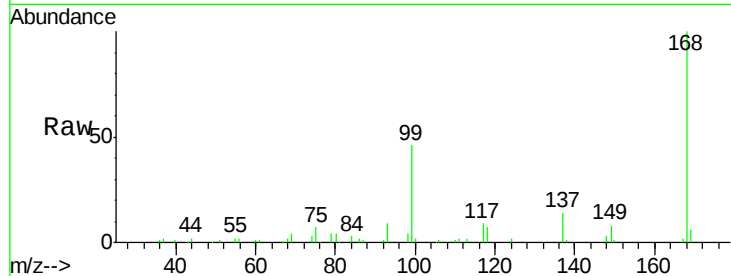




#38
Carbon Tetrachloride
Concen: 4.47 ug/l
RT: 6.41 min Scan# 496
Delta R.T. -0.10 min
Lab File: VD060302.D
Acq: 7 Nov 2018 15:46

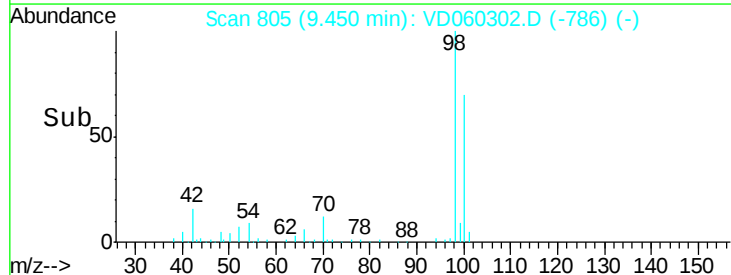
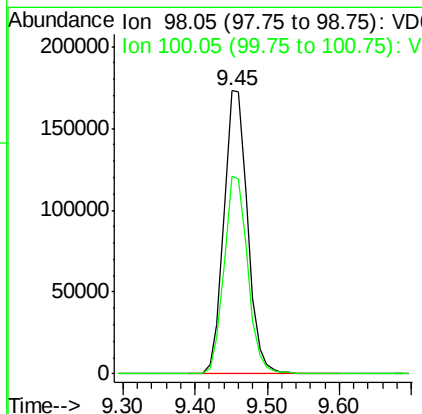
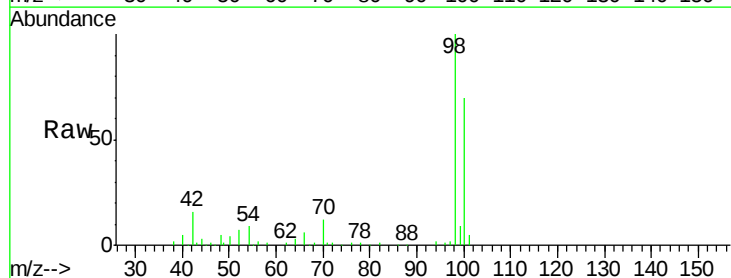
Instrument :
MSVOA_D
ClientSampled :

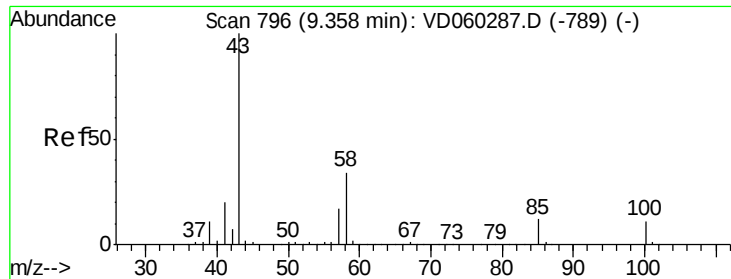
Tot Ion:117 Resp: 19200
Ion Ratio Lower Upper
117 100
119 0.0 76.6 115.0#
121 0.0 24.3 36.5#



#50
Toluene-d8
Concen: N.D. ug/l
RT: 9.45 min Scan# 805
Delta R.T. -0.02 min
Lab File: VD060302.D
Acq: 7 Nov 2018 15:46

Tgt Ion: 98 Resp: 394108
Ion Ratio Lower Upper
98 100
100 69.8 55.2 82.8





#51

4-Methyl-2-Pentanone

Concen: 1.57 ug/l

RT: 9.45 min Scan# 805

Delta R.T. 0.09 min

Lab File: VD060302.D

Acq: 7 Nov 2018 15:46

Instrument :

MSVOA_D

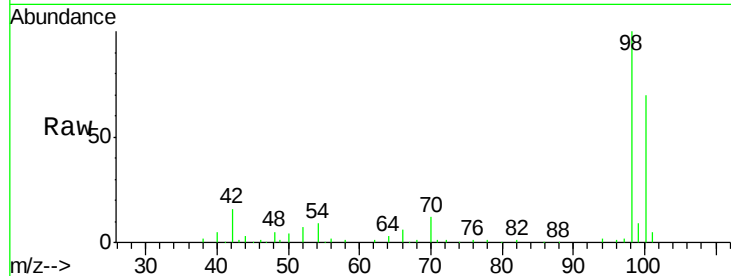
ClientSampleId :

Tot Ion: 43 Resp: 2742

Ion Ratio Lower Upper

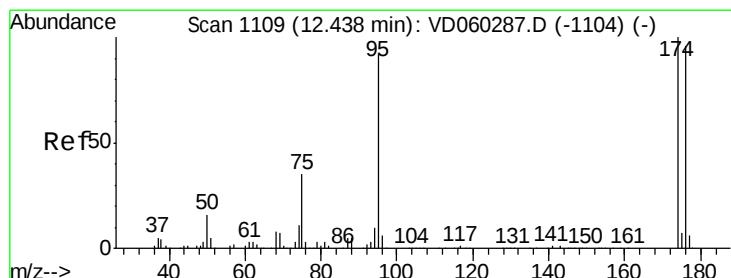
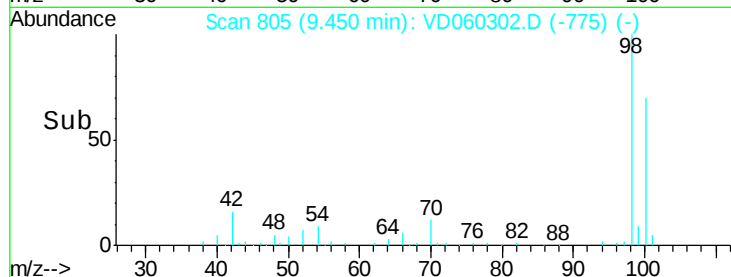
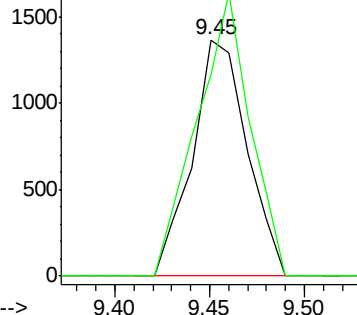
43 100

58 85.4 26.1 39.1#



Abundance Ion 42.95 (42.65 to 43.65): VD

Ion 57.95 (57.65 to 58.65): VD



#62

4-Bromofluorobenzene

Concen: N.D. ug/l

RT: 12.42 min Scan# 1107

Delta R.T. -0.02 min

Lab File: VD060302.D

Acq: 7 Nov 2018 15:46

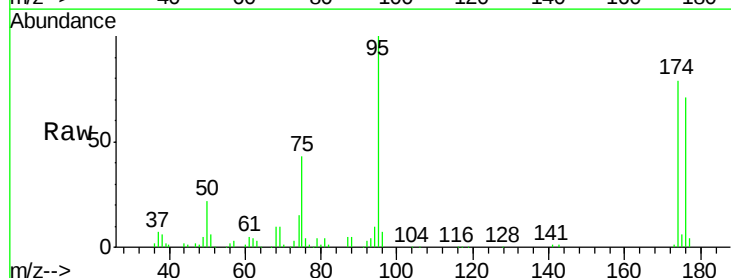
Tgt Ion: 95 Resp: 182442

Ion Ratio Lower Upper

95 100

174 78.6 0.0 160.8

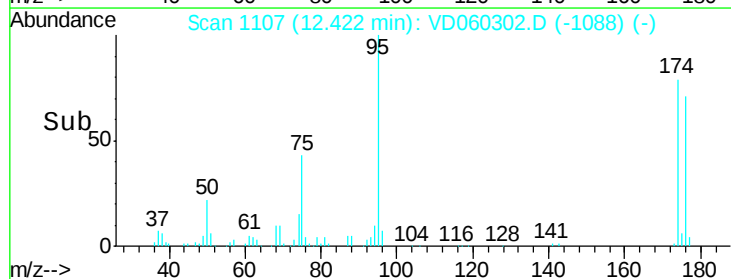
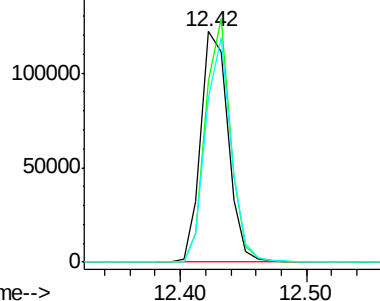
176 71.3 0.0 154.6

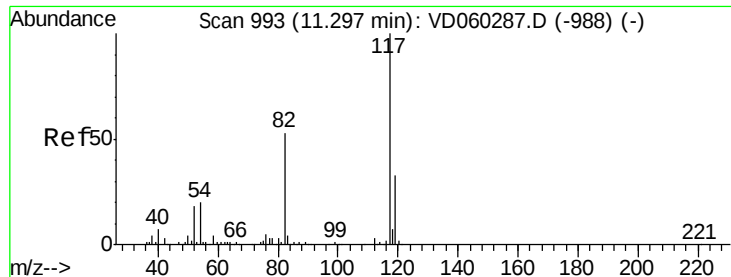


Abundance Ion 95.00 (94.70 to 95.70): VD

Ion 173.90 (173.60 to 174.60):

Ion 175.90 (175.60 to 176.60):

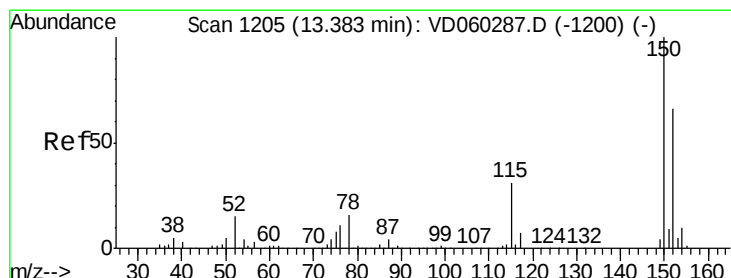
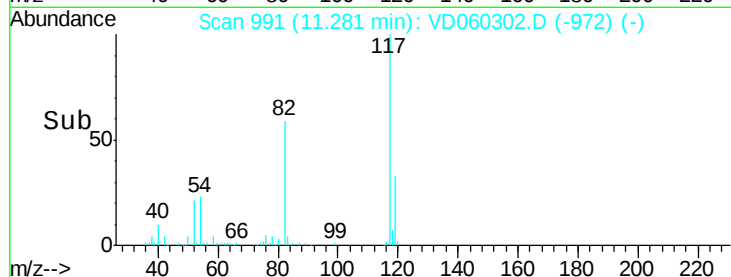
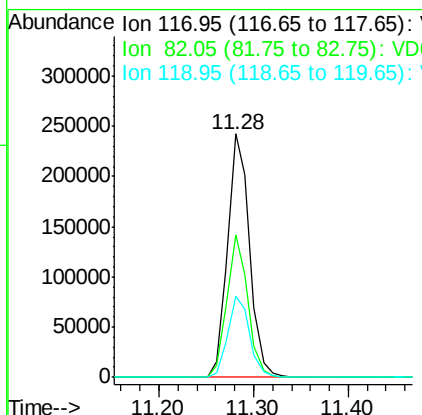
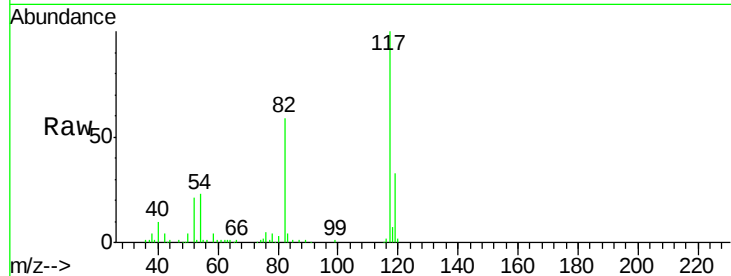




#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.28 min Scan# 991
Delta R.T. -0.02 min
Lab File: VD060302.D
Acq: 7 Nov 2018 15:46

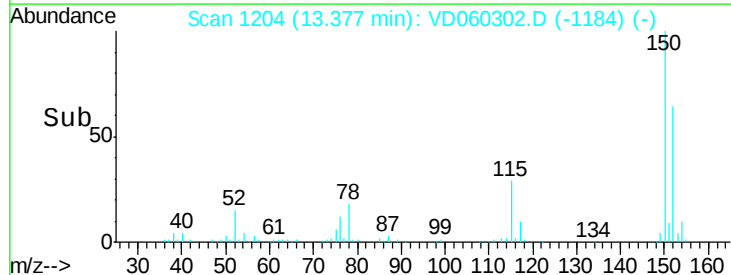
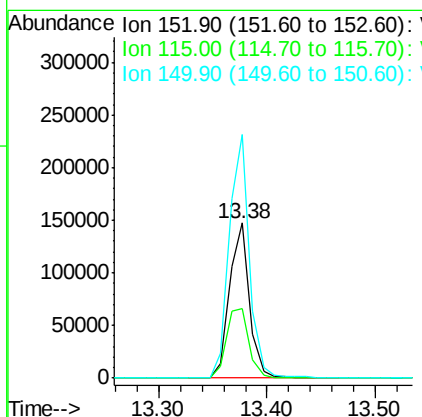
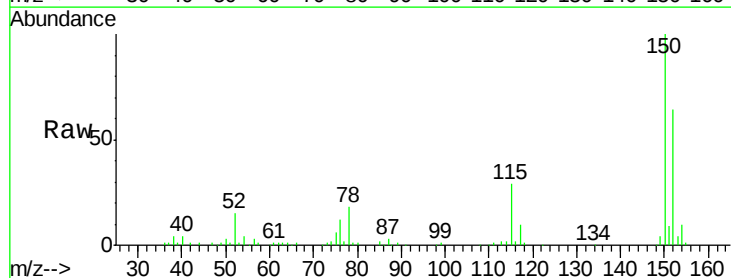
Instrument :
MSVOA_D
ClientSampleId :

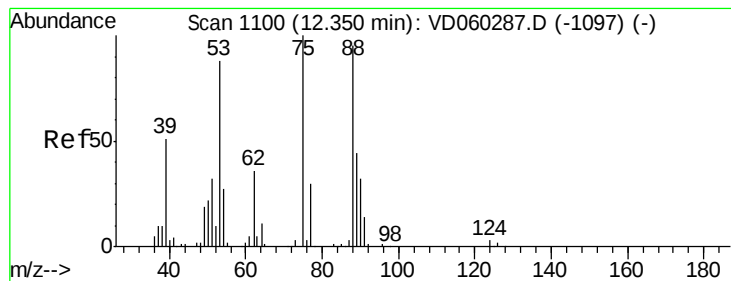
Tot Ion:117 Resp: 388049
Ion Ratio Lower Upper
117 100
82 58.7 43.7 65.5
119 33.1 26.1 39.1



#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 13.38 min Scan# 1204
Delta R.T. -0.01 min
Lab File: VD060302.D
Acq: 7 Nov 2018 15:46

Tgt Ion:152 Resp: 189628
Ion Ratio Lower Upper
152 100
115 45.0 24.1 72.3
150 156.8 0.0 310.6





#81

trans-1,4-Dichloro-2-butene

Concen: 116.60 ug/l

RT: 12.42 min Scan# 1107

Delta R.T. 0.07 min

Lab File: VD060302.D

Acq: 7 Nov 2018 15:46

Instrument :

MSVOA_D

ClientSampleId :

Tot Ion: 75 Resp: 75302

Ion Ratio Lower Upper

75 100

53 0.0 68.6 103.0#

89 0.0 34.1 51.1#

