

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD110718\
 Data File : VD060300.D
 Acq On : 7 Nov 2018 14:49
 Operator : JC/SY
 Sample : J5827-21
 Misc : 5.86g/5ml/MSVOA D/SOIL
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Nov 08 08:16:09 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	1407185	50.00	ug/l	-0.02
34) 1,4-Difluorobenzene	7.45	114	2109746	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.29	117	1375692	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.37	152	432162	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	541479	53.74	ug/l	0.00
Spiked Amount			Recovery	=	107.48%	
35) Dibromofluoromethane	6.41	113	1583	0.10	ug/l	0.07
Spiked Amount			Recovery	=	0.20%	
50) Toluene-d8	9.46	98	1892265	41.10	ug/l	0.00
Spiked Amount			Recovery	=	82.20%	
62) 4-Bromofluorobenzene	12.43	95	520580	31.20	ug/l	0.00
Spiked Amount			Recovery	=	62.40%	

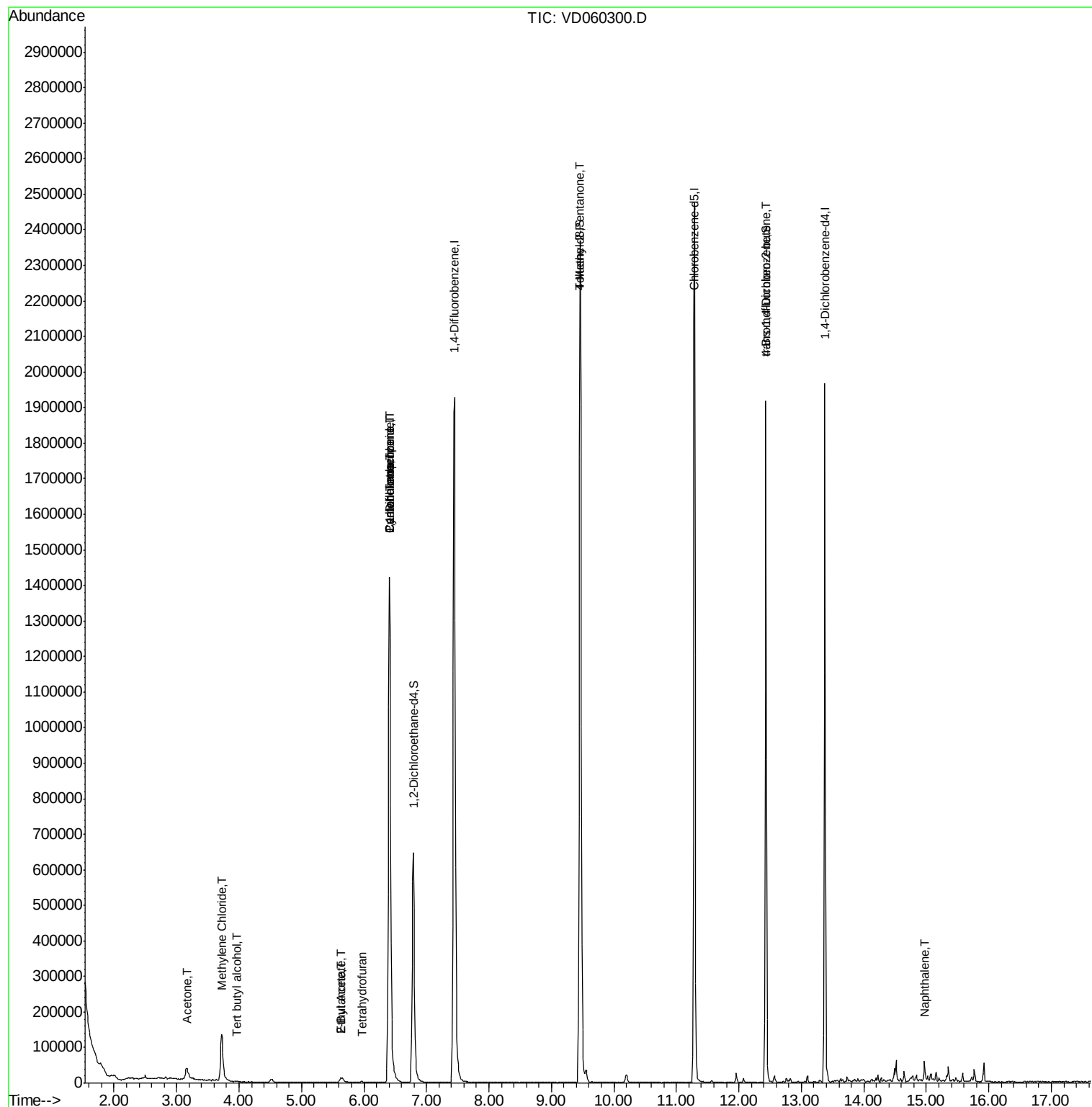
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	3.98	59	2119	5.12	ug/l #	70
16) Acetone	3.16	43	69504	39.77	ug/l	100
20) Methylene Chloride	3.72	84	90038	5.81	ug/l	94
25) 2-Butanone	5.63	43	18739	5.16	ug/l #	91
29) Tetrahydrofuran	5.97	42	2285	1.19	ug/l #	85
31) Cyclohexane	6.41	56	25126	1.04	ug/l #	1
36) 1,1-Dichloropropene	6.41	75	96832	4.65	ug/l #	47
37) Ethyl Acetate	5.63	43	18739	1.95	ug/l #	69
38) Carbon Tetrachloride	6.41	117	108028	5.59	ug/l #	16
51) 4-Methyl-2-Pentanone	9.46	43	11464	1.46	ug/l #	1
81) trans-1,4-Dichloro-2-buten	12.43	75	209941	142.64	ug/l #	15
89) n-Butylbenzene	13.65	91	2745	Below Cal		84
95) Naphthalene	14.97	128	31892	2.70	ug/l	97

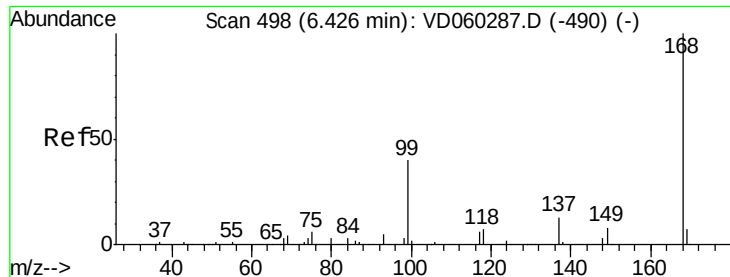
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD110718\
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#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 6.41 min Scan# 496

Delta R.T. -0.02 min

Lab File: VD060300.D

Acq: 7 Nov 2018 14:49

Instrument :

MSVOA_D

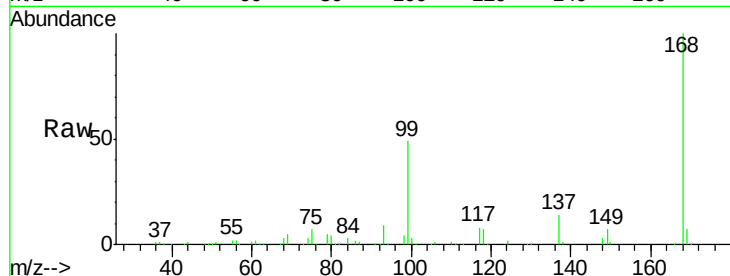
ClientSampled :

Tot Ion:168 Resp: 1407185

Ion Ratio Lower Upper

168 100

99 48.8 39.8 59.8



Abundance Ion 167.90 (167.60 to 168.60):

Ion 98.95 (98.65 to 99.65): VD

6.41

500000

400000

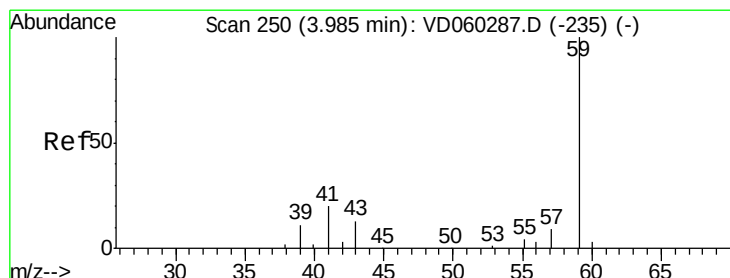
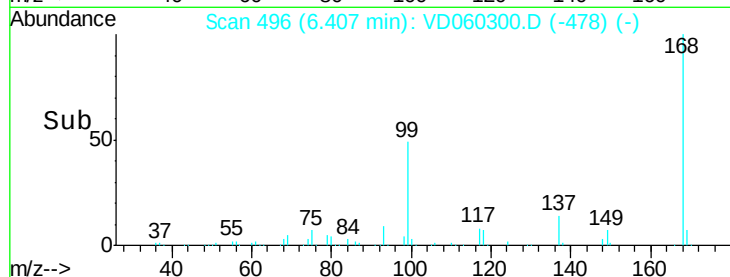
300000

200000

100000

0

Time-->



#11

Tert butyl alcohol

Concen: 5.12 ug/l

RT: 3.98 min Scan# 249

Delta R.T. -0.01 min

Lab File: VD060300.D

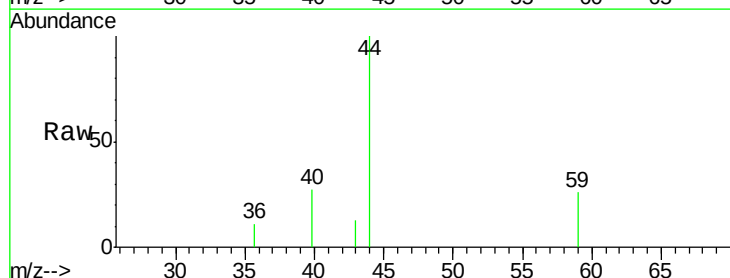
Acq: 7 Nov 2018 14:49

Tgt Ion: 59 Resp: 2119

Ion Ratio Lower Upper

59 100

57 0.0 9.3 13.9#



Abundance Ion 58.95 (58.65 to 59.65): VD

Ion 56.95 (56.65 to 57.65): VD

3.98

800

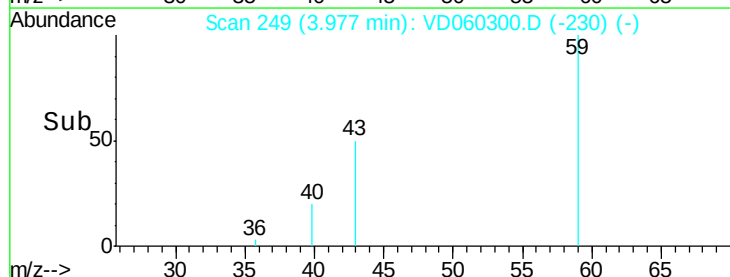
600

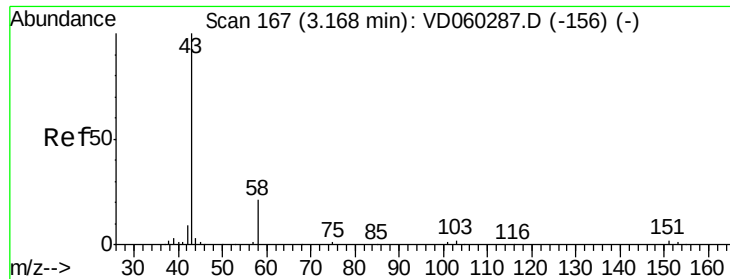
400

200

0

Time-->





#16

Acetone

Concen: 39.77 ug/l

RT: 3.16 min Scan# 166

Delta R.T. -0.01 min

Lab File: VD060300.D

Acq: 7 Nov 2018 14:49

Instrument :

MSVOA_D

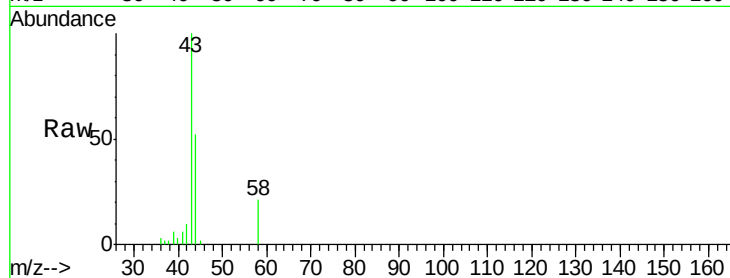
ClientSampleId :

Tot Ion: 43 Resp: 69504

Ion Ratio Lower Upper

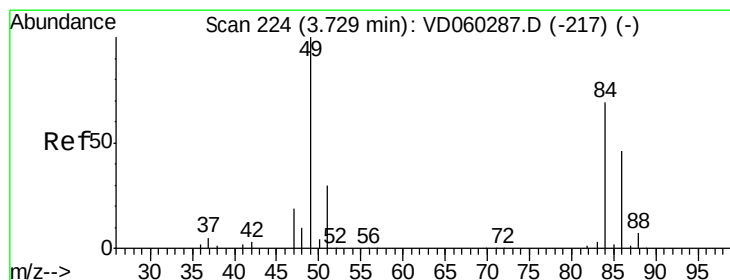
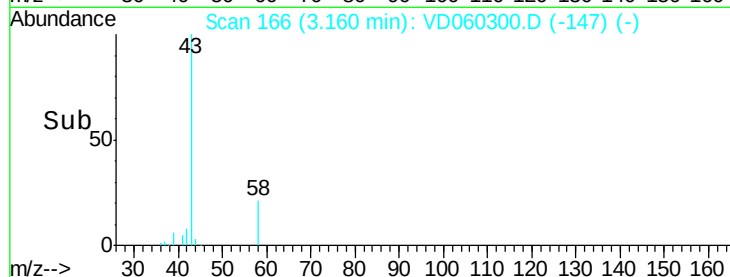
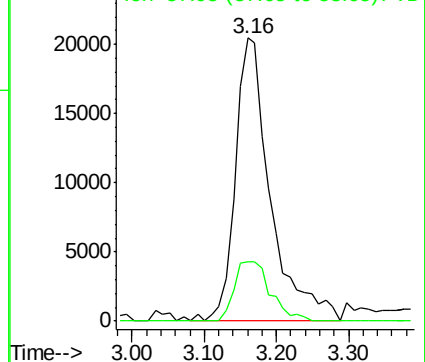
43 100

58 20.9 16.9 25.3



Abundance Ion 42.95 (42.65 to 43.65): VD

Ion 57.95 (57.65 to 58.65): VD



#20

Methylene Chloride

Concen: 5.81 ug/l

RT: 3.72 min Scan# 223

Delta R.T. -0.01 min

Lab File: VD060300.D

Acq: 7 Nov 2018 14:49

Tgt Ion: 84 Resp: 90038

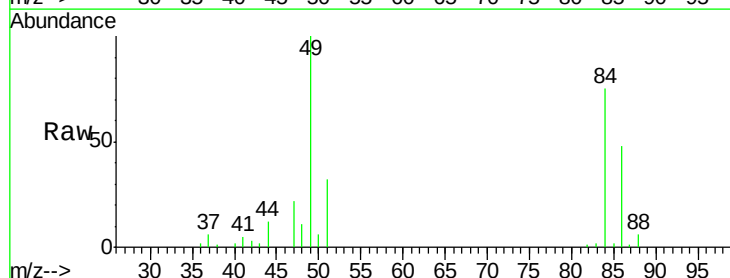
Ion Ratio Lower Upper

84 100

49 132.9 115.6 173.4

51 43.1 35.6 53.4

86 63.5 52.3 78.5

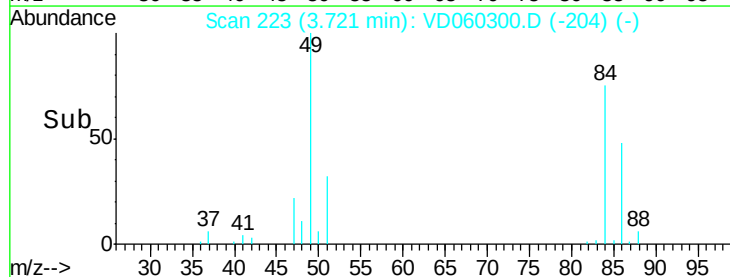
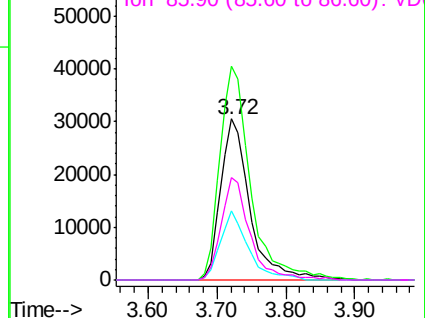


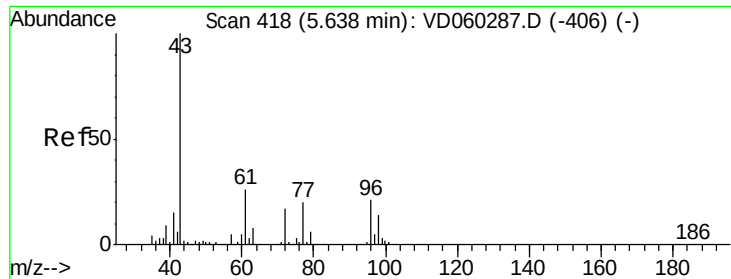
Abundance Ion 83.95 (83.65 to 84.65): VD

Ion 48.90 (48.60 to 49.60): VD

Ion 50.90 (50.60 to 51.60): VD

Ion 85.90 (85.60 to 86.60): VD





#25

2-Butanone

Concen: 5.16 ug/l

RT: 5.63 min Scan# 417

Delta R.T. -0.01 min

Lab File: VD060300.D

Acq: 7 Nov 2018 14:49

Instrument :

MSVOA_D

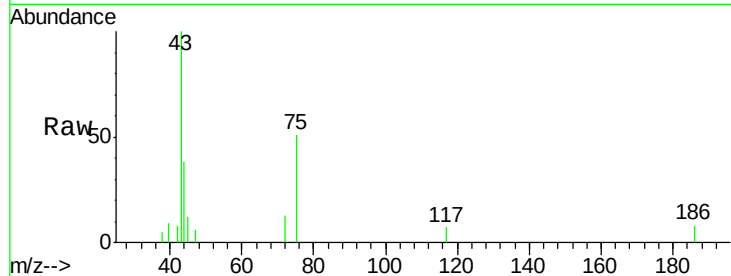
ClientSampled :

Tot Ion: 43 Resp: 18739

Ion Ratio Lower Upper

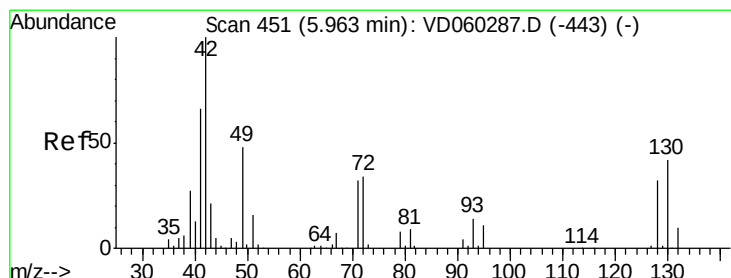
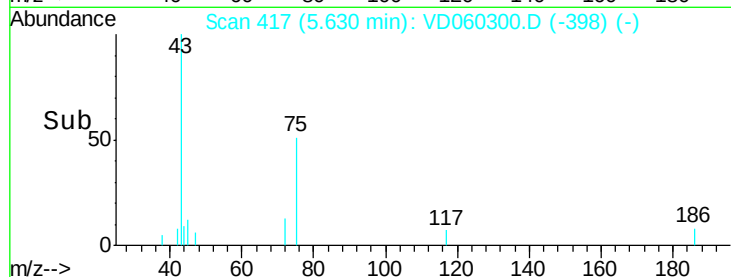
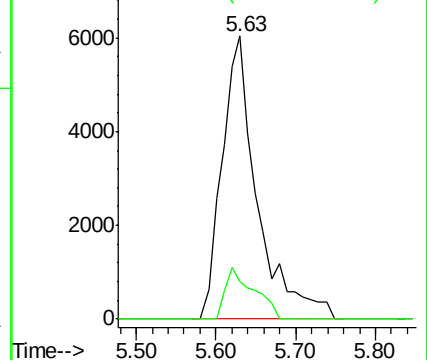
43 100

72 13.3 13.8 20.8#



Abundance Ion 42.95 (42.65 to 43.65): VD

Ion 72.00 (71.70 to 72.70): VD



#29

Tetrahydrofuran

Concen: 1.19 ug/l

RT: 5.97 min Scan# 452

Delta R.T. 0.01 min

Lab File: VD060300.D

Acq: 7 Nov 2018 14:49

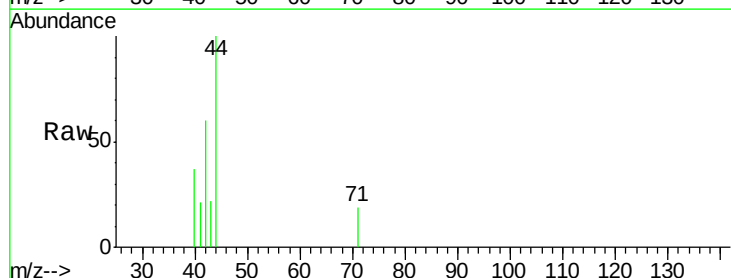
Tgt Ion: 42 Resp: 2285

Ion Ratio Lower Upper

42 100

72 20.1 27.6 41.4#

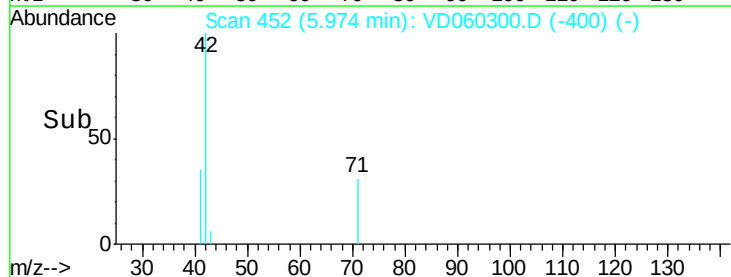
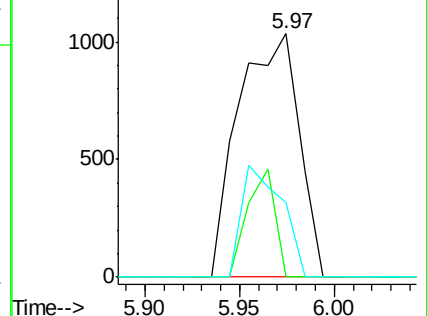
71 30.4 26.5 39.7

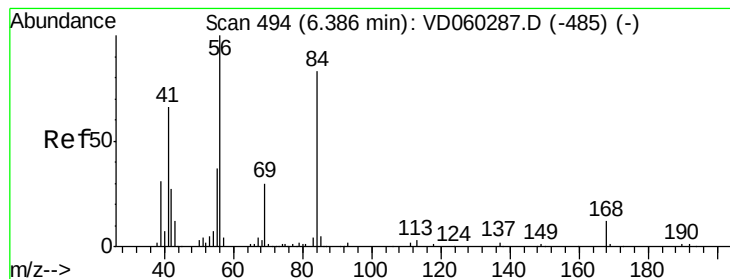


Abundance Ion 42.00 (41.70 to 42.70): VD

Ion 72.00 (71.70 to 72.70): VD

Ion 71.00 (70.70 to 71.70): VD





#31

Cyclohexane

Concen: 1.04 ug/l

RT: 6.41 min Scan# 496

Delta R.T. 0.02 min

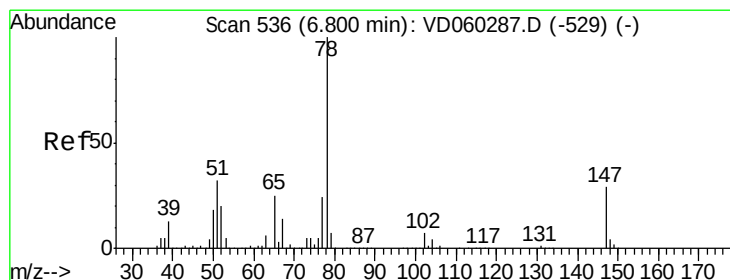
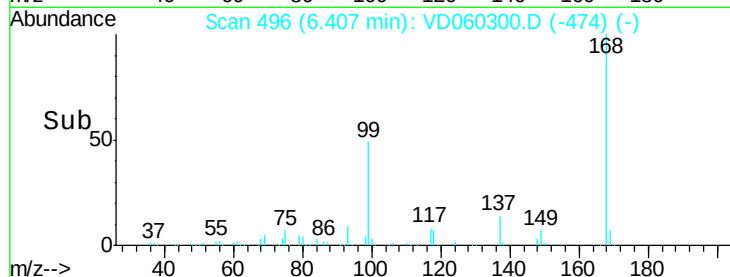
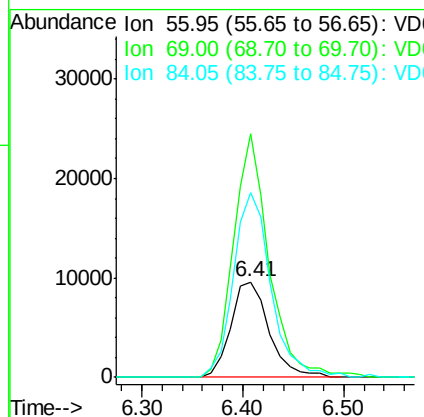
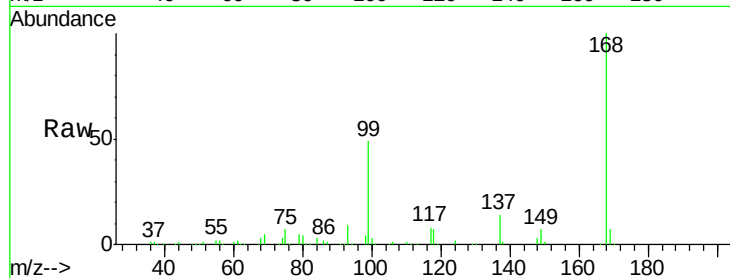
Lab File: VD060300.D

Acq: 7 Nov 2018 14:49

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 56 Resp: 25126

Ion	Ratio	Lower	Upper
56	100		
69	254.2	22.2	33.2#
84	193.3	63.0	94.4#



#33

1,2-Dichloroethane-d4

Concen: N.D. ug/l

RT: 6.79 min Scan# 535

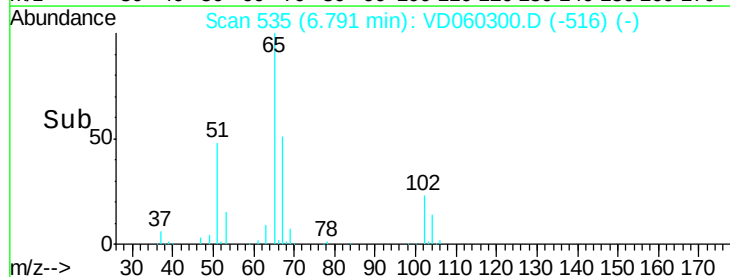
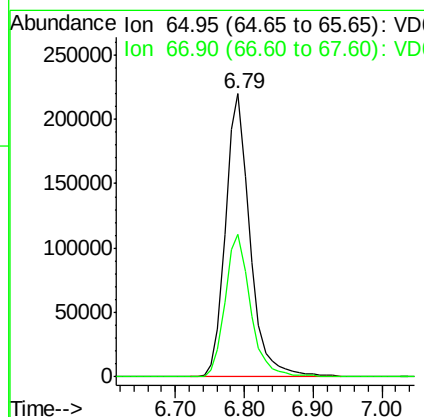
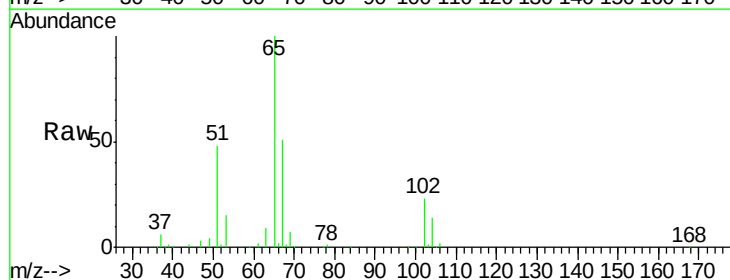
Delta R.T. -0.01 min

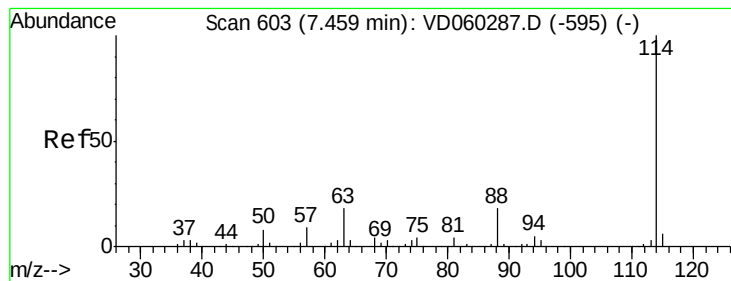
Lab File: VD060300.D

Acq: 7 Nov 2018 14:49

Tgt Ion: 65 Resp: 541479

Ion	Ratio	Lower	Upper
65	100		
67	50.6	0.0	109.8





#34

1,4-Difluorobenzene

Concen: 50.00 ug/l

RT: 7.45 min Scan# 602

Delta R.T. -0.01 min

Lab File: VD060300.D

Acq: 7 Nov 2018 14:49

Instrument :

MSVOA_D

ClientSampled :

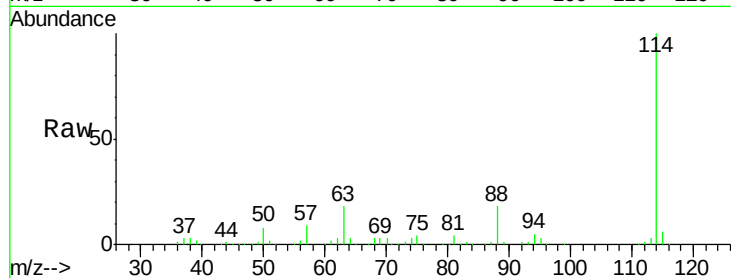
Tot Ion:114 Resp: 2109746

Ion Ratio Lower Upper

114 100

63 17.7 0.0 34.0

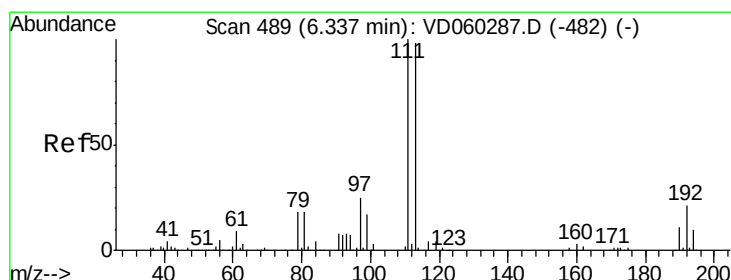
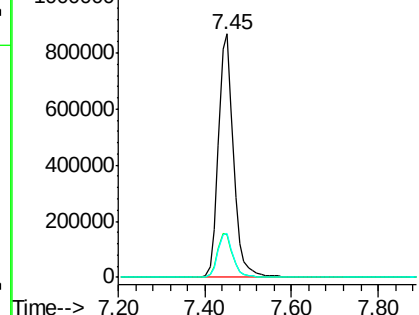
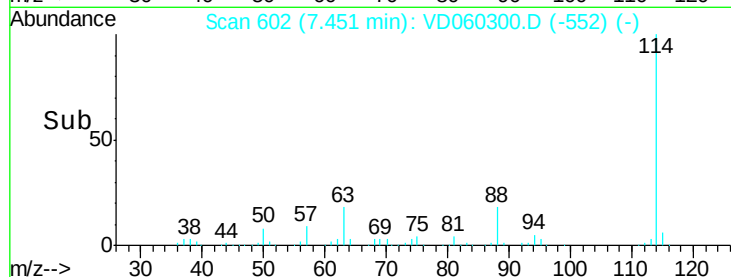
88 17.8 0.0 35.4



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: 6.41 min Scan# 496

Delta R.T. 0.07 min

Lab File: VD060300.D

Acq: 7 Nov 2018 14:49

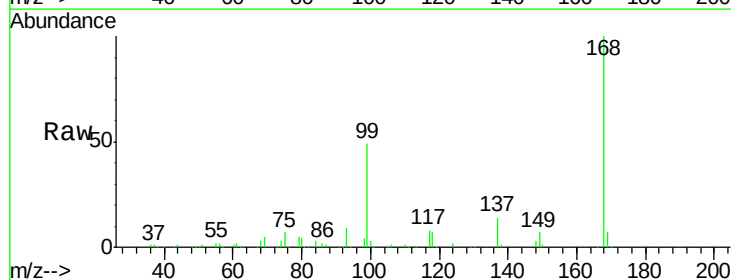
Tgt Ion:113 Resp: 1583

Ion Ratio Lower Upper

113 100

111 70.7 81.6 122.4#

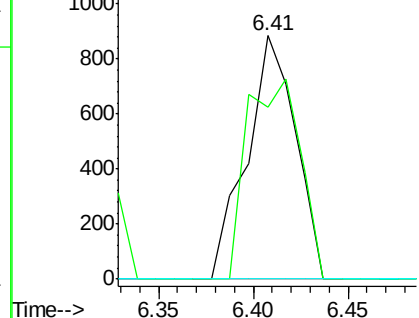
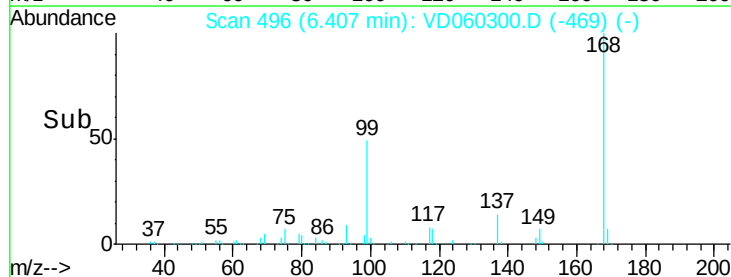
192 0.0 16.5 24.7#

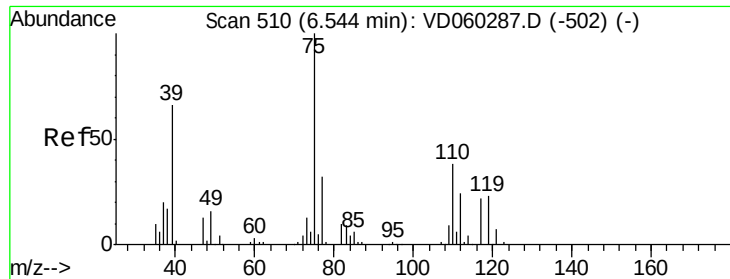


Abundance Ion 112.90 (112.60 to 113.60):

Ion 110.90 (110.60 to 111.60):

Ion 191.80 (191.50 to 192.50):

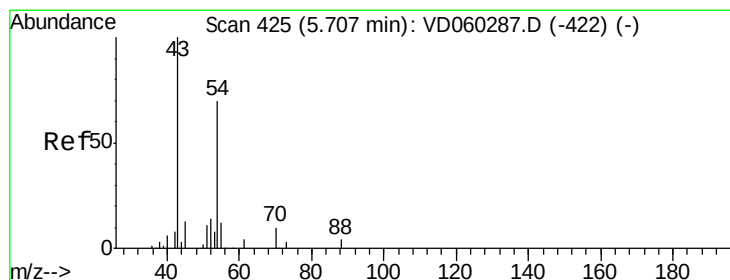
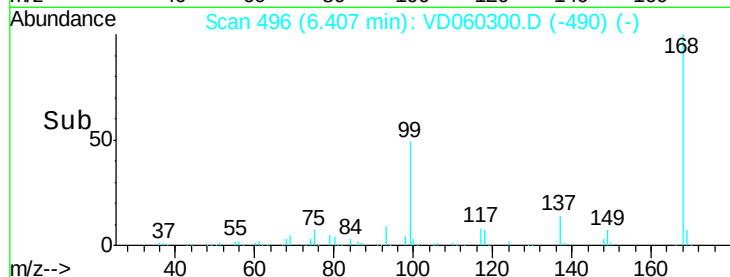
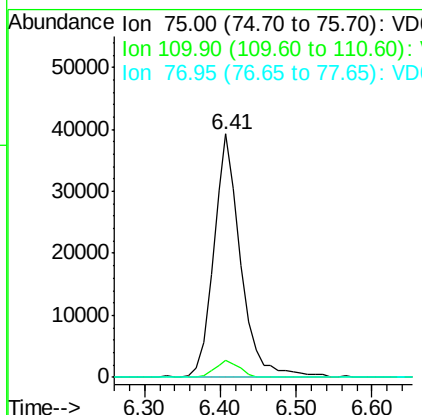
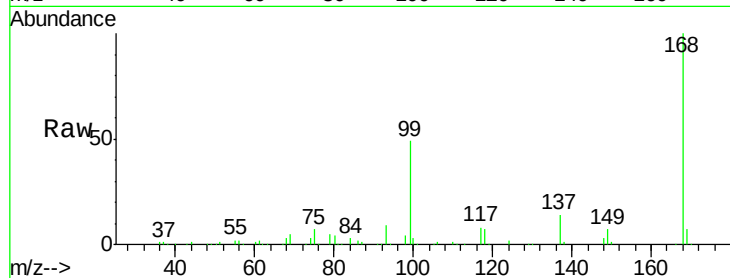




#36
 1,1-Dichloropropene
 Concen: 4.65 ug/l
 RT: 6.41 min Scan# 496
 Delta R.T. -0.14 min
 Lab File: VD060300.D
 Acq: 7 Nov 2018 14:49

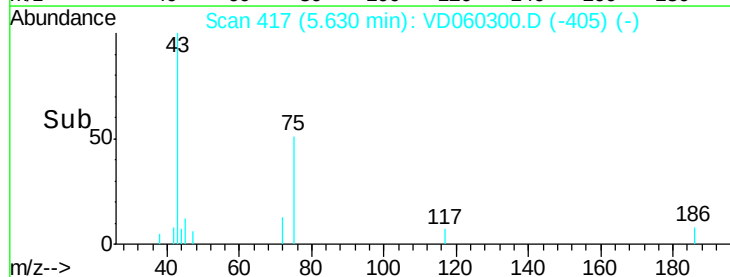
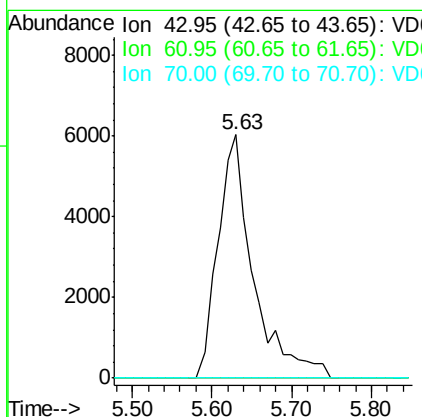
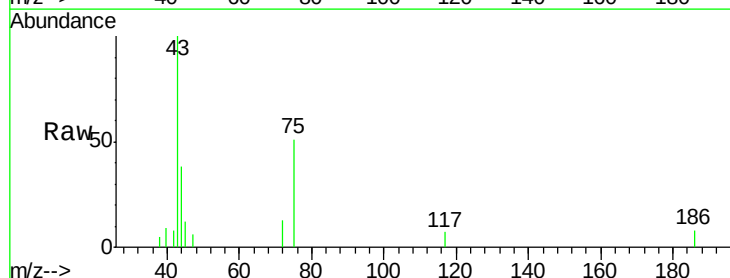
Instrument :
 MSVOA_D
 ClientSampleId :

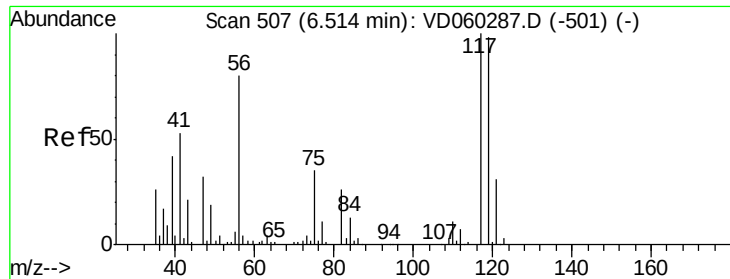
Tot Ion: 75 Resp: 96832
 Ion Ratio Lower Upper
 75 100
 110 7.0 18.0 54.0#
 77 0.0 25.6 38.4#



#37
 Ethyl Acetate
 Concen: 1.95 ug/l
 RT: 5.63 min Scan# 417
 Delta R.T. -0.08 min
 Lab File: VD060300.D
 Acq: 7 Nov 2018 14:49

Tgt Ion: 43 Resp: 18739
 Ion Ratio Lower Upper
 43 100
 61 0.0 11.8 17.6#
 70 0.0 6.2 9.4#

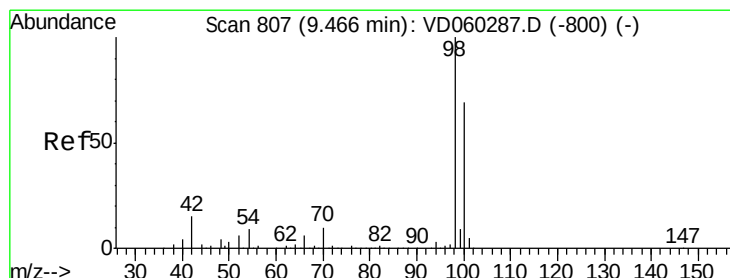
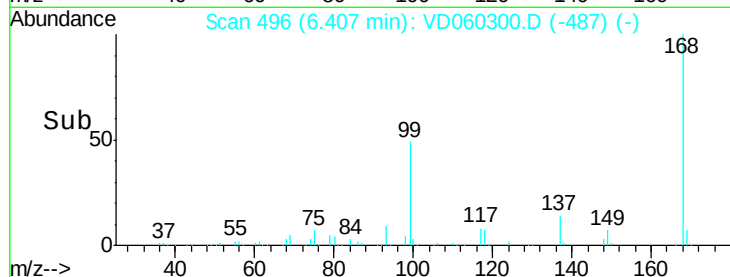
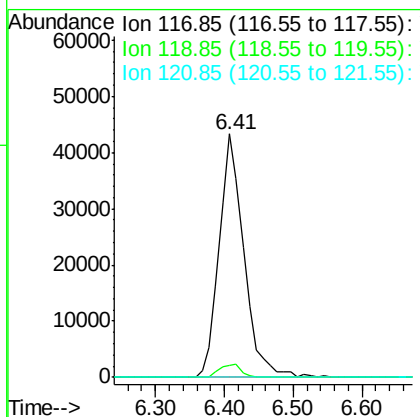
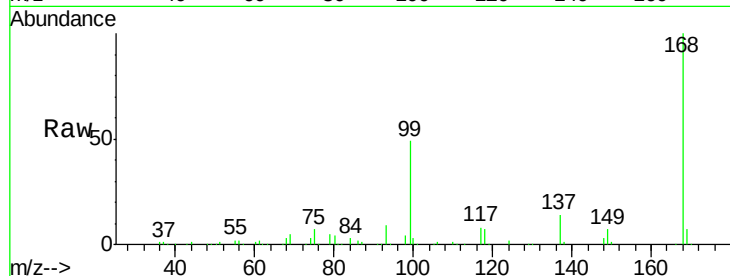




#38
Carbon Tetrachloride
Concen: 5.59 ug/l
RT: 6.41 min Scan# 496
Delta R.T. -0.11 min
Lab File: VD060300.D
Acq: 7 Nov 2018 14:49

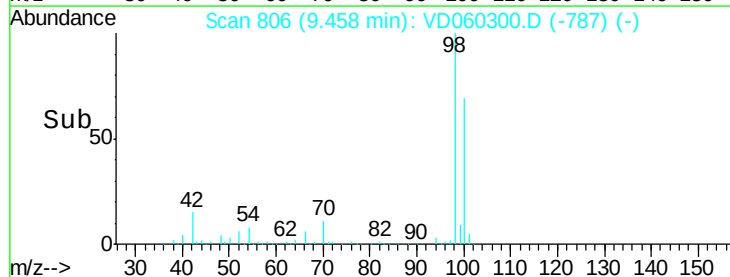
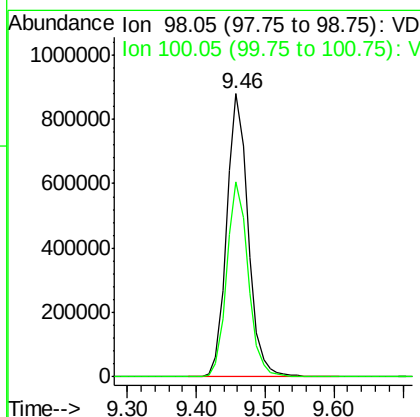
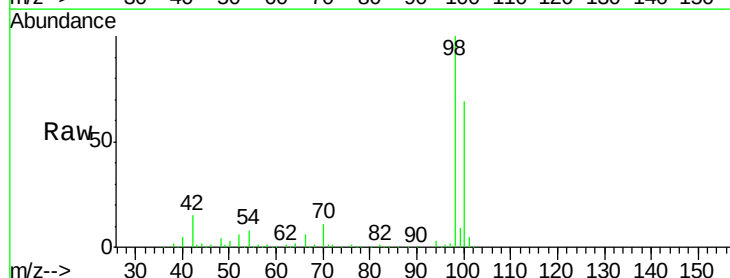
Instrument :
MSVOA_D
ClientSampleId :

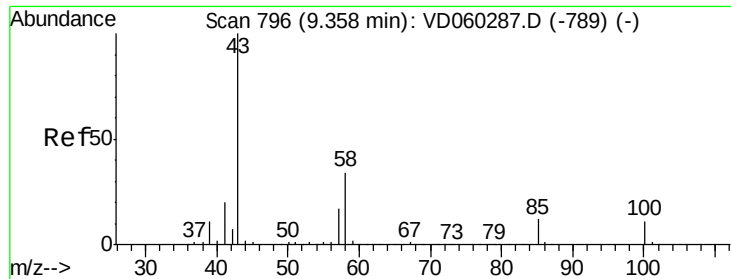
Tot Ion:117 Resp: 108028
Ion Ratio Lower Upper
117 100
119 5.0 76.6 115.0#
121 0.0 24.3 36.5#



#50
Toluene-d8
Concen: N.D. ug/l
RT: 9.46 min Scan# 806
Delta R.T. -0.01 min
Lab File: VD060300.D
Acq: 7 Nov 2018 14:49

Tgt Ion: 98 Resp: 1892265
Ion Ratio Lower Upper
98 100
100 69.0 55.2 82.8





#51

4-Methyl-2-Pentanone

Concen: 1.46 ug/l

RT: 9.46 min Scan# 806

Delta R.T. 0.10 min

Lab File: VD060300.D

Acq: 7 Nov 2018 14:49

Instrument :

MSVOA_D

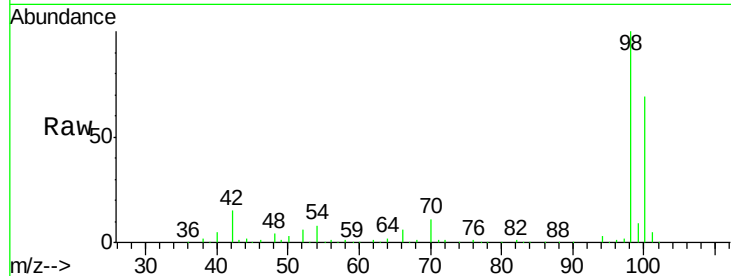
ClientSampleId :

Tot Ion: 43 Resp: 11464

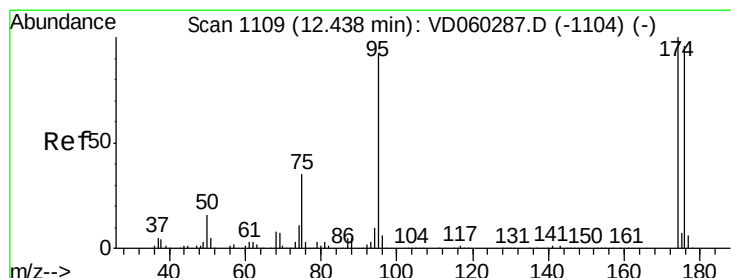
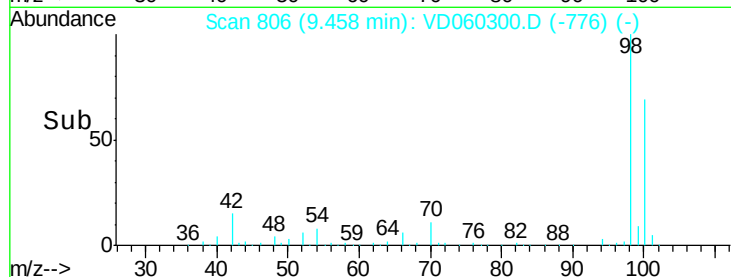
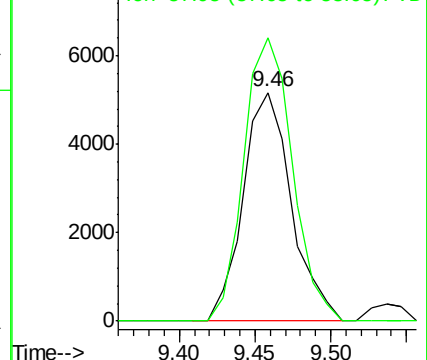
Ion Ratio Lower Upper

43 100

58 123.7 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: 12.43 min Scan# 1108

Delta R.T. -0.01 min

Lab File: VD060300.D

Acq: 7 Nov 2018 14:49

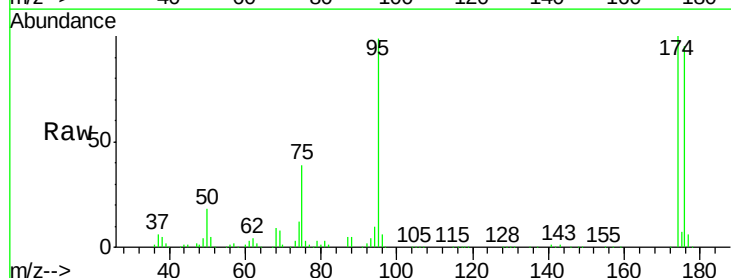
Tgt Ion: 95 Resp: 520580

Ion Ratio Lower Upper

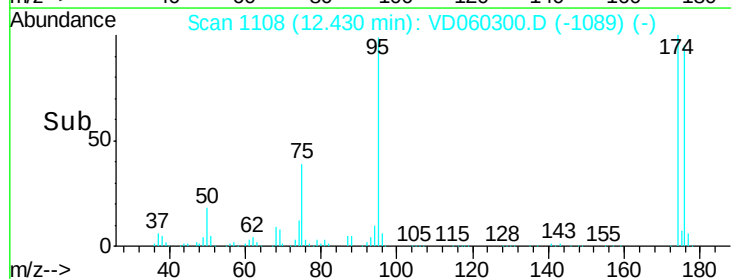
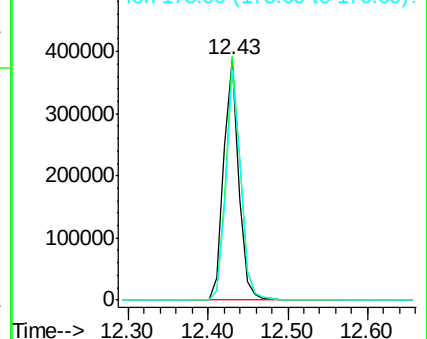
95 100

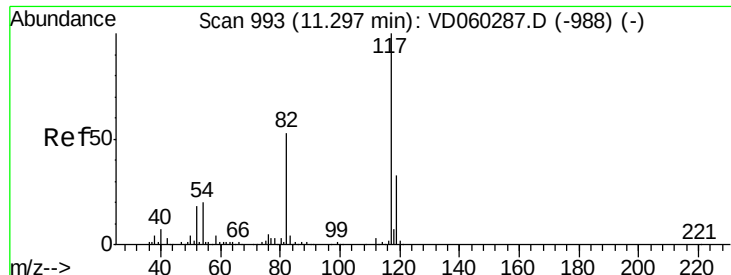
174 101.5 0.0 160.8

176 96.4 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):

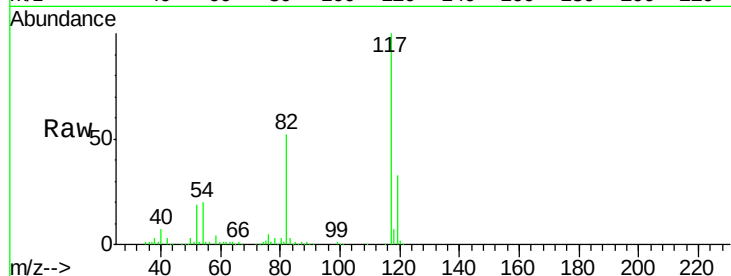




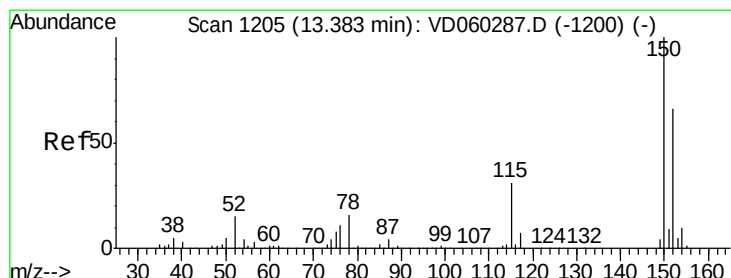
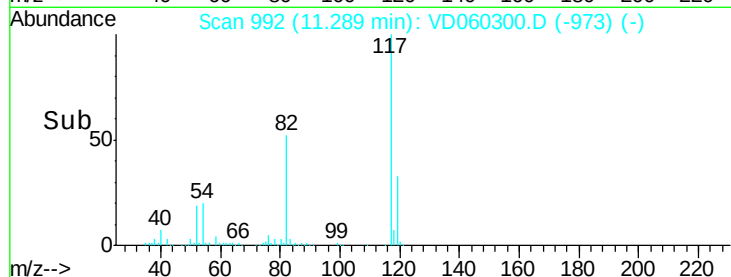
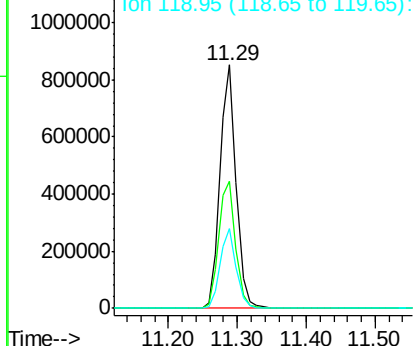
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.29 min Scan# 992
Delta R.T. -0.01 min
Lab File: VD060300.D
Acq: 7 Nov 2018 14:49

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion:117 Resp: 1375692
Ion Ratio Lower Upper
117 100
82 52.3 43.7 65.5
119 32.9 26.1 39.1

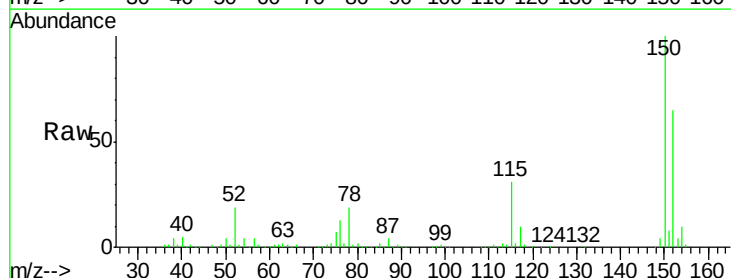


Abundance Ion 116.95 (116.65 to 117.65):
Ion 82.05 (81.75 to 82.75): VD
Ion 118.95 (118.65 to 119.65):

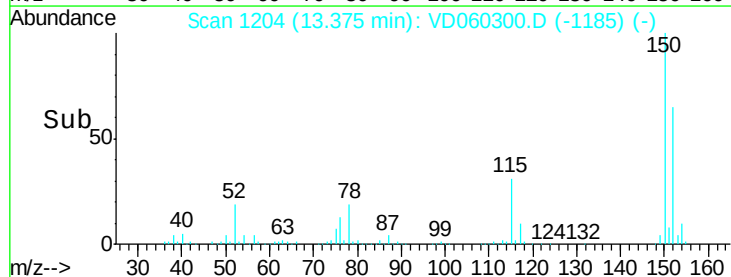
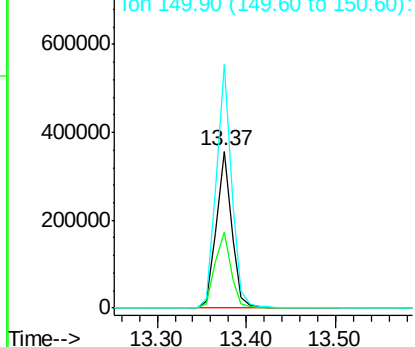


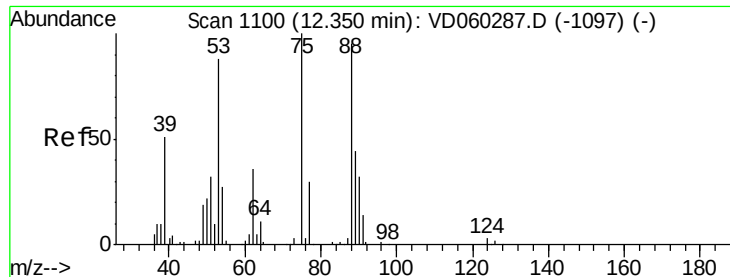
#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 13.37 min Scan# 1204
Delta R.T. -0.01 min
Lab File: VD060300.D
Acq: 7 Nov 2018 14:49

Tgt Ion:152 Resp: 432162
Ion Ratio Lower Upper
152 100
115 48.7 24.1 72.3
150 155.0 0.0 310.6



Abundance Ion 151.90 (151.60 to 152.60):
Ion 115.00 (114.70 to 115.70):
Ion 149.90 (149.60 to 150.60):





#81

trans-1,4-Dichloro-2-butene

Concen: 142.64 ug/l

RT: 12.43 min Scan# 1108

Delta R.T. 0.08 min

Lab File: VD060300.D

Acq: 7 Nov 2018 14:49

Instrument :

MSVOA_D

ClientSampled :

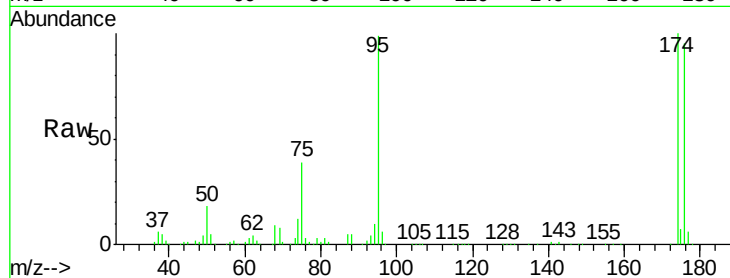
Tot Ion: 75 Resp: 209941

Ion Ratio Lower Upper

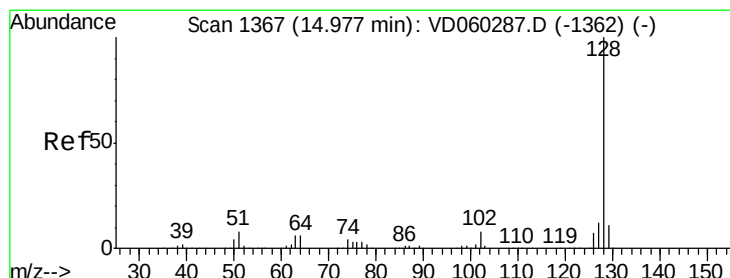
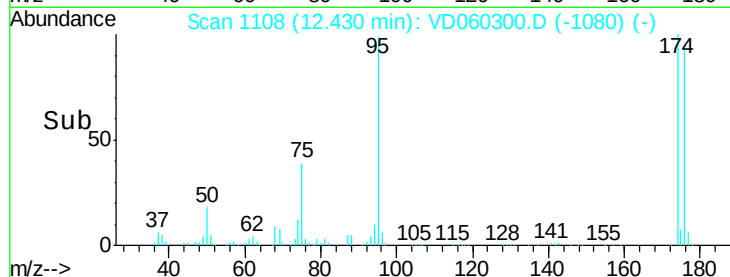
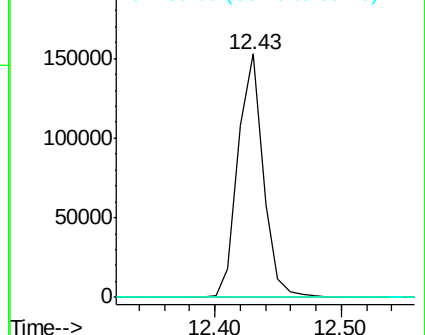
75 100

53 0.0 68.6 103.0#

89 0.0 34.1 51.1#



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



#95

Naphthalene

Concen: 2.70 ug/l

RT: 14.97 min Scan# 1366

Delta R.T. -0.01 min

Lab File: VD060300.D

Acq: 7 Nov 2018 14:49

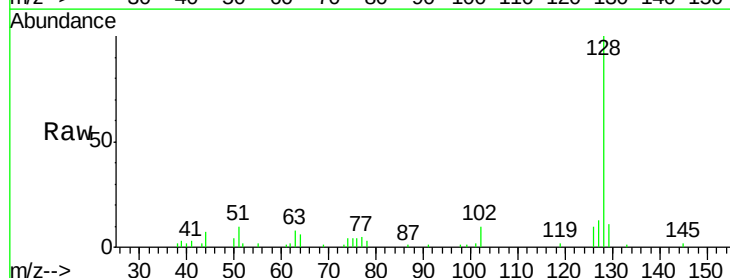
Tgt Ion: 128 Resp: 31892

Ion Ratio Lower Upper

128 100

127 13.1 9.6 14.4

129 11.5 8.6 12.8



Abundance Ion 128.00 (127.70 to 128.70):
Ion 127.00 (126.70 to 127.70):
Ion 129.00 (128.70 to 129.70):

