

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_D\DATA\VD111918\
 Data File : VD060412.D
 Acq On : 19 Nov 2018 12:53
 Operator : JC/SY
 Sample : VD1119SBL01
 Misc : 5.00g/5ml/MSVOA_D/SOIL
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1119SBL01

Quant Time: Nov 20 00:30:15 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	6.41	168	1406644	50.00	ug/l	-0.02
34) 1,4-Difluorobenzene	7.44	114	1943930	50.00	ug/l	-0.02
63) Chlorobenzene-d5	11.29	117	1550516	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.38	152	768303	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	496651	49.31	ug/l	0.00
Spiked Amount			Recovery	=	98.62%	
35) Dibromofluoromethane	6.33	113	729413	50.32	ug/l	0.00
Spiked Amount			Recovery	=	100.64%	
50) Toluene-d8	9.46	98	2069922	48.79	ug/l	0.00
Spiked Amount			Recovery	=	97.58%	
62) 4-Bromofluorobenzene	12.43	95	758048	49.31	ug/l	0.00
Spiked Amount			Recovery	=	98.62%	

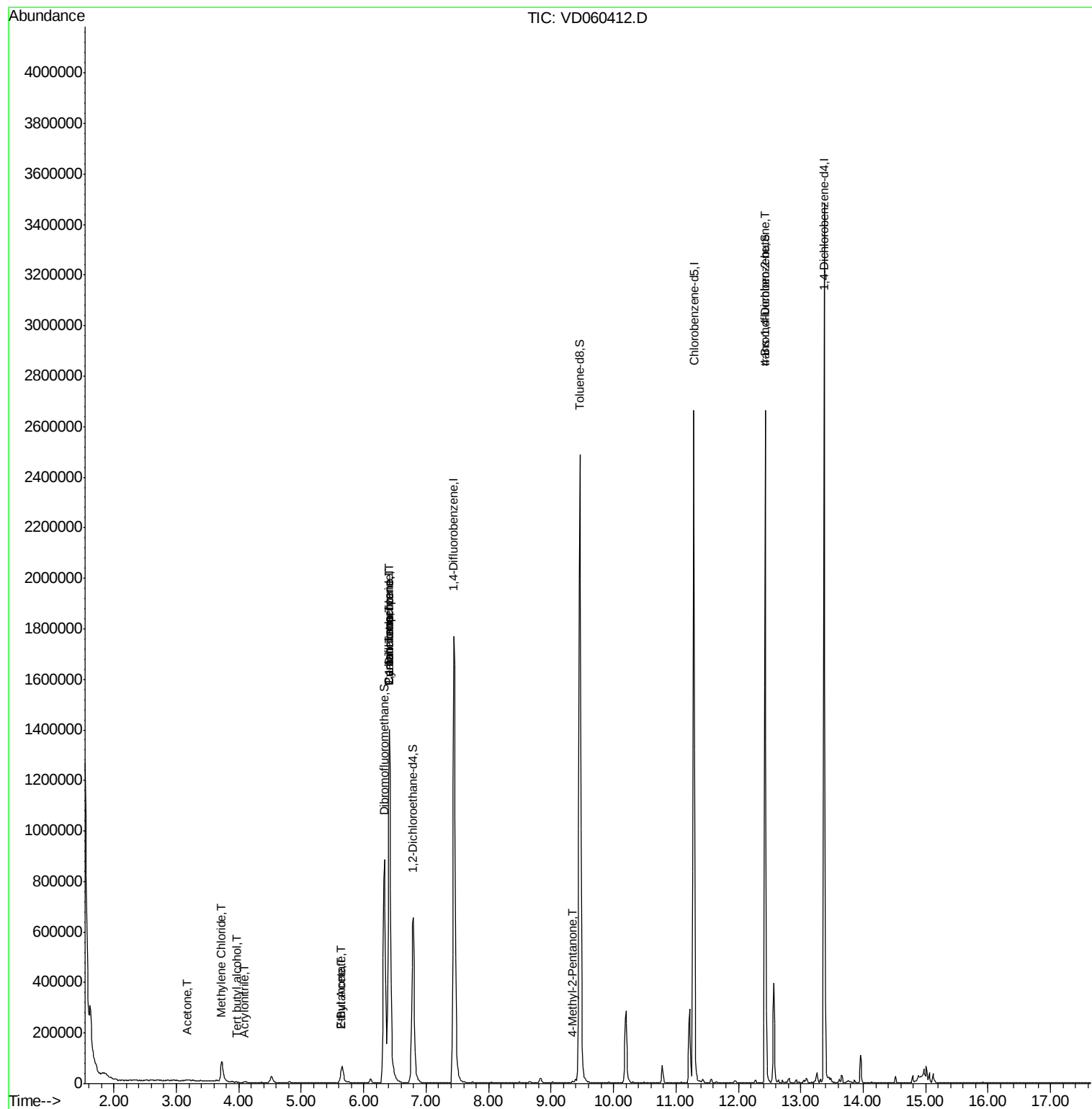
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.62	85	7623	Below Cal		94
11) Tert butyl alcohol	3.96	59	1162	2.810	ug/l #	70
15) Acrylonitrile	4.09	53	2548	1.056	ug/l	89
16) Acetone	3.17	43	7930	4.539	ug/l	100
20) Methylene Chloride	3.73	84	51083	3.296	ug/l	95
25) 2-Butanone	5.62	43	10985	3.025	ug/l	99
31) Cyclohexane	6.41	56	28035	1.166	ug/l #	1
36) 1,1-Dichloropropene	6.41	75	96403	5.020	ug/l #	48
37) Ethyl Acetate	5.62	43	10985	1.243	ug/l #	76
38) Carbon Tetrachloride	6.41	117	109401	6.141	ug/l #	16
51) 4-Methyl-2-Pentanone	9.34	43	11096	1.536	ug/l	97
81) trans-1,4-Dichloro-2-buten	12.43	75	297474	113.688	ug/l #	15
89) n-Butylbenzene	13.65	91	7566	Below Cal		89

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

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Misc : 5.00g/5ml/MSVOA_D/SOIL
ALS Vial : 3 Sample Multiplier: 1

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MSVOA_D
ClientSampleId :
VD1119SBL01

Quant Time: Nov 20 00:30:15 2018
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_D\METHOD\82D110618S.M
Quant Title : SW846 8260
QLast Update : Mon Nov 19 16:31:59 2018
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 6.41 min Scan# 496

Delta R.T. -0.02 min

Lab File: VD060412.D

Acq: 19 Nov 2018 12:53

Instrument :

MSVOA_D

ClientSampleId :

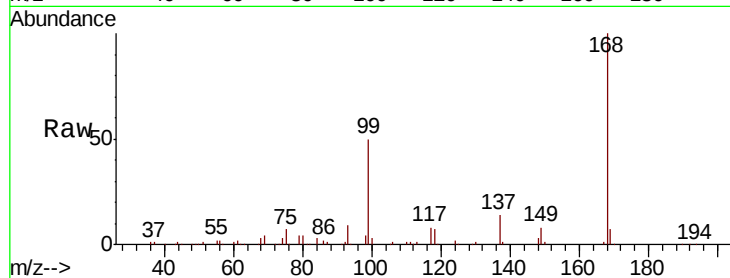
VD1119SBL01

Tgt Ion:168 Resp: 1406644

Ion Ratio Lower Upper

168 100

99 50.0 39.8 59.8



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC

6.41

500000

400000

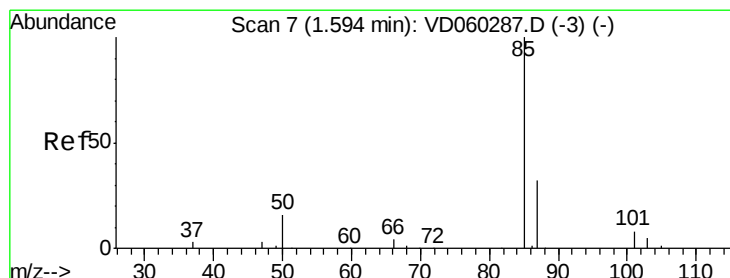
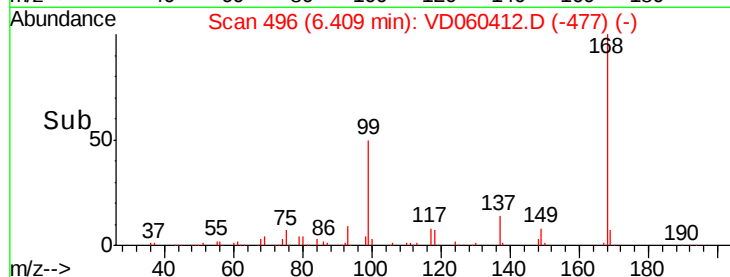
300000

200000

100000

0

Time-->



#2

Dichlorodifluoromethane

Concen: Below Cal

RT: 1.62 min Scan# 9

Delta R.T. 0.02 min

Lab File: VD060412.D

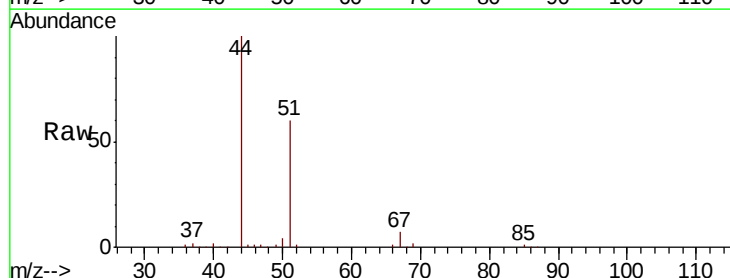
Acq: 19 Nov 2018 12:53

Tgt Ion: 85 Resp: 7623

Ion Ratio Lower Upper

85 100

87 30.1 16.8 50.4



Abundance Ion 84.95 (84.65 to 85.65): VDC

Ion 86.90 (86.60 to 87.60): VDC

1.62

2500

2000

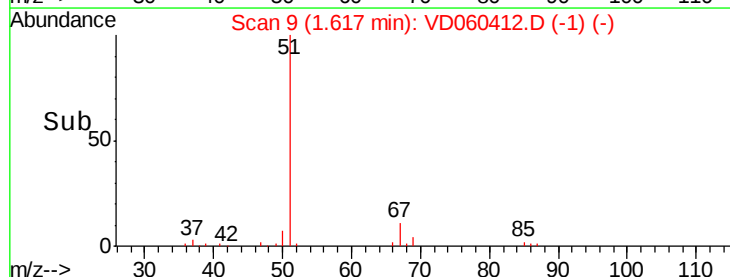
1500

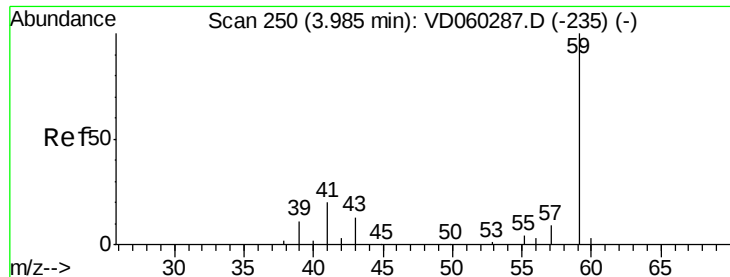
1000

500

0

Time-->

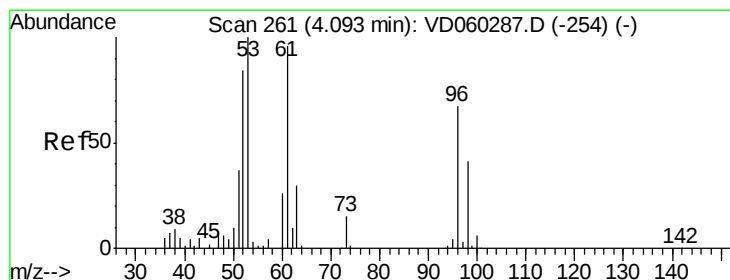
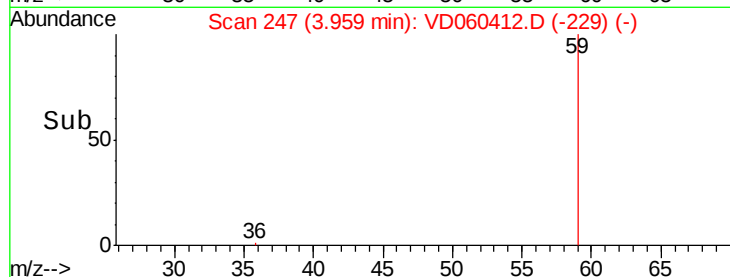
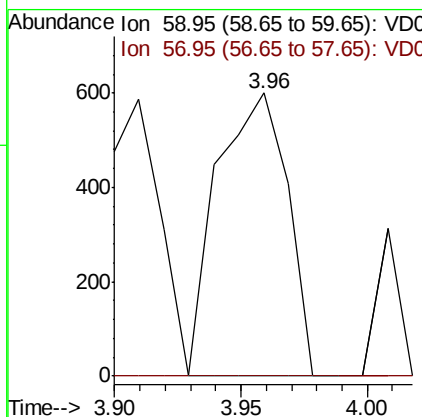
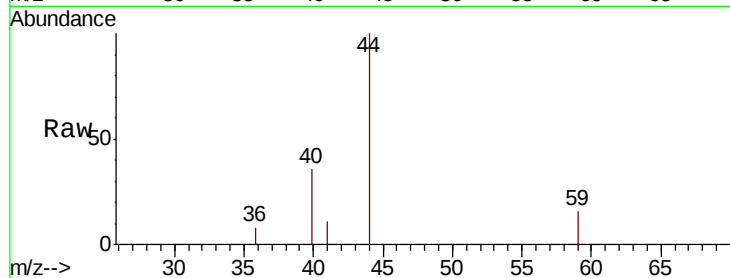




#11
Tert butyl alcohol
Concen: 2.810 ug/l
RT: 3.96 min Scan# 247
Delta R.T. -0.03 min
Lab File: VD060412.D
Acq: 19 Nov 2018 12:53

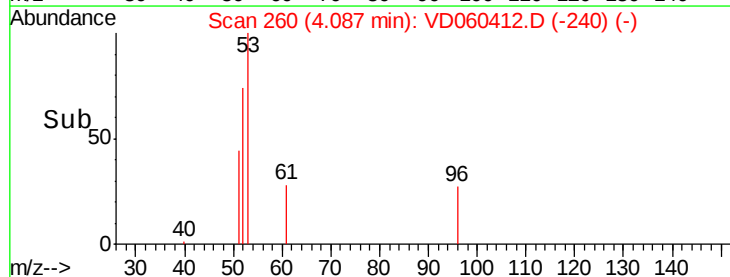
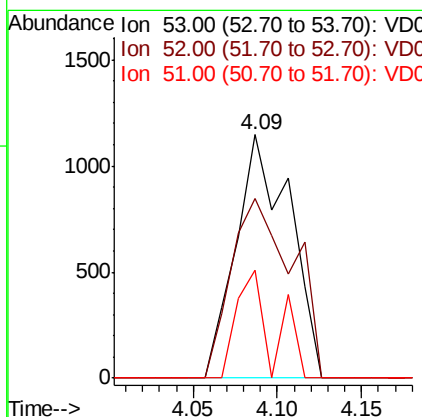
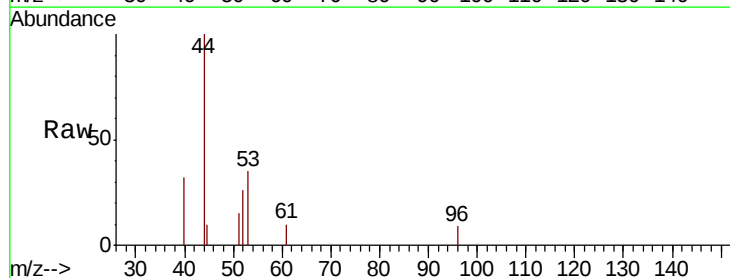
Instrument :
MSVOA_D
ClientSampleId :
VD1119SBL01

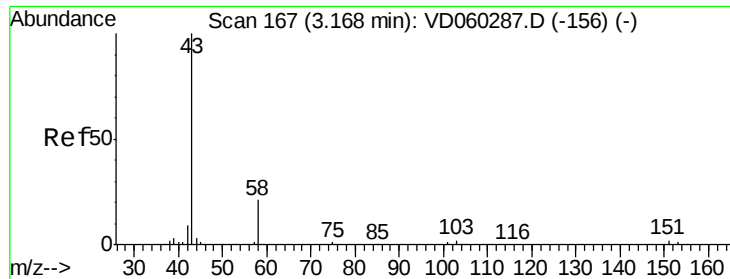
Tgt Ion: 59 Resp: 1162
Ion Ratio Lower Upper
59 100
57 0.0 9.3 13.9#



#15
Acrylonitrile
Concen: 1.056 ug/l
RT: 4.09 min Scan# 260
Delta R.T. -0.01 min
Lab File: VD060412.D
Acq: 19 Nov 2018 12:53

Tgt Ion: 53 Resp: 2548
Ion Ratio Lower Upper
53 100
52 73.9 67.0 100.4
51 44.2 29.9 44.9





#16

Acetone

Concen: 4.539 ug/l

RT: 3.17 min Scan# 167

Delta R.T. 0.00 min

Lab File: VD060412.D

Acq: 19 Nov 2018 12:53

Instrument :

MSVOA_D

ClientSampleId :

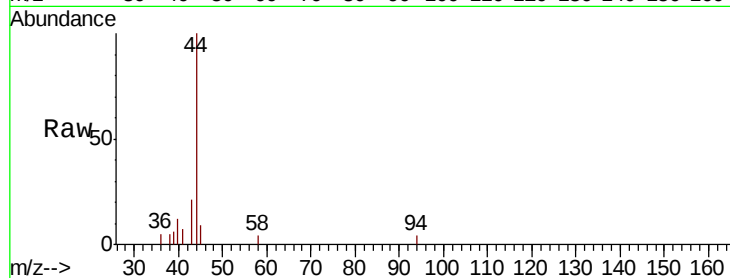
VD1119SBL01

Tgt Ion: 43 Resp: 7930

Ion Ratio Lower Upper

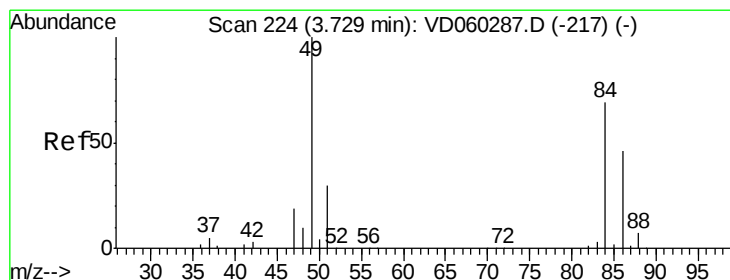
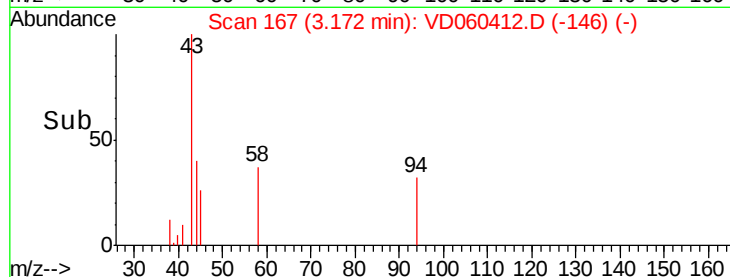
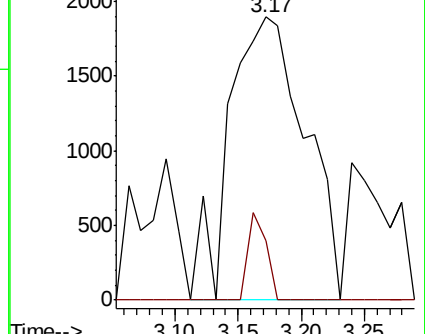
43 100

58 21.1 16.9 25.3



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC



#20

Methylene Chloride

Concen: 3.296 ug/l

RT: 3.73 min Scan# 224

Delta R.T. 0.00 min

Lab File: VD060412.D

Acq: 19 Nov 2018 12:53

Tgt Ion: 84 Resp: 51083

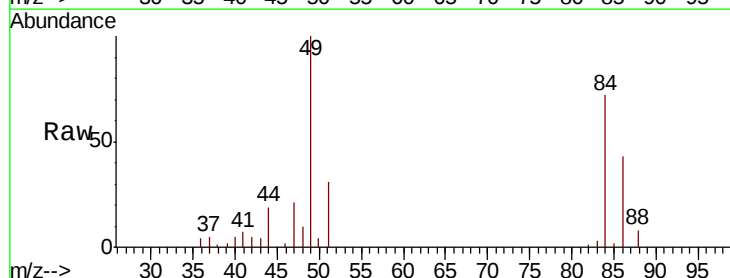
Ion Ratio Lower Upper

84 100

49 138.5 115.6 173.4

51 43.2 35.6 53.4

86 59.4 52.3 78.5

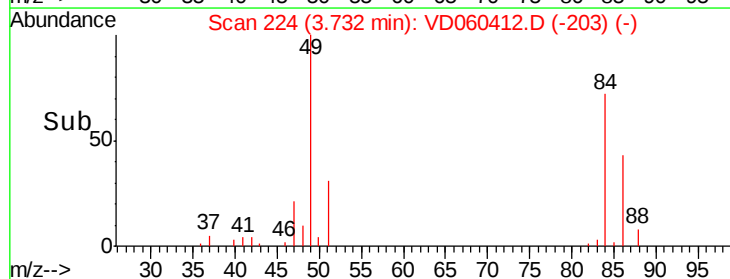
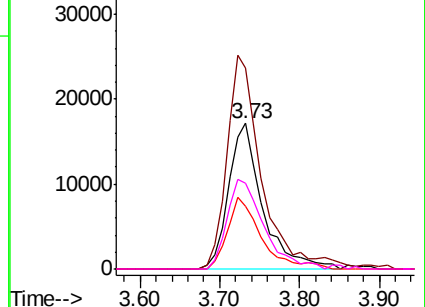


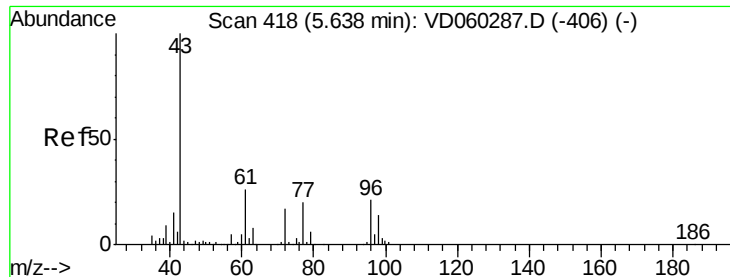
Abundance Ion 83.95 (83.65 to 84.65): VDC

Ion 48.90 (48.60 to 49.60): VDC

Ion 50.90 (50.60 to 51.60): VDC

Ion 85.90 (85.60 to 86.60): VDC

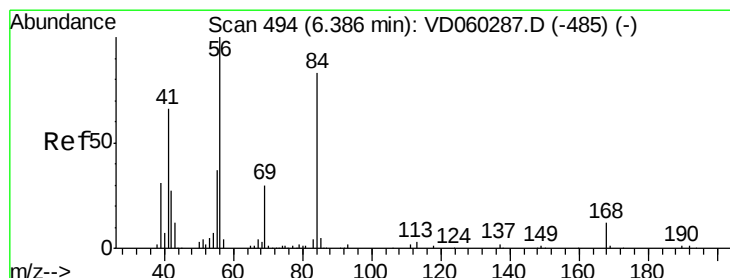
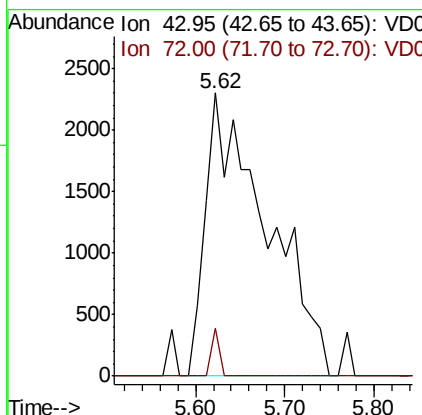
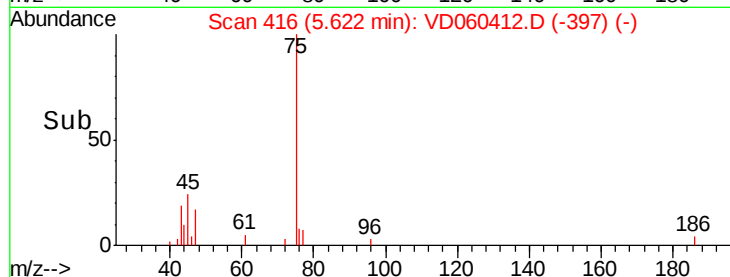
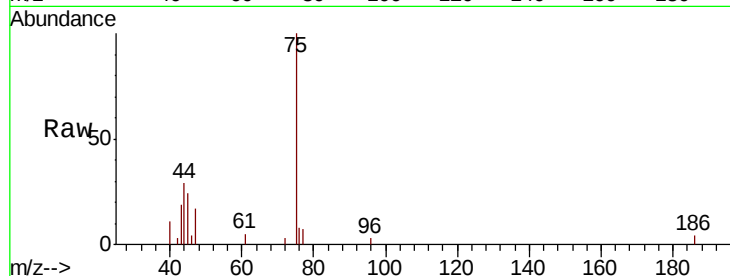




#25
2-Butanone
Concen: 3.025 ug/l
RT: 5.62 min Scan# 416
Delta R.T. -0.02 min
Lab File: VD060412.D
Acq: 19 Nov 2018 12:53

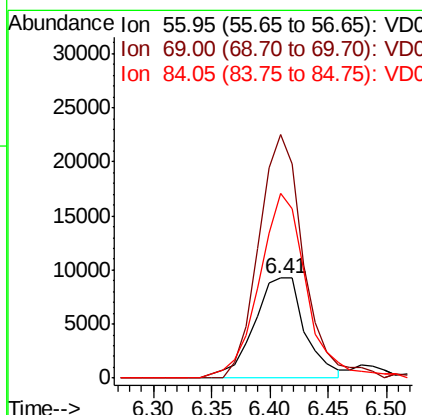
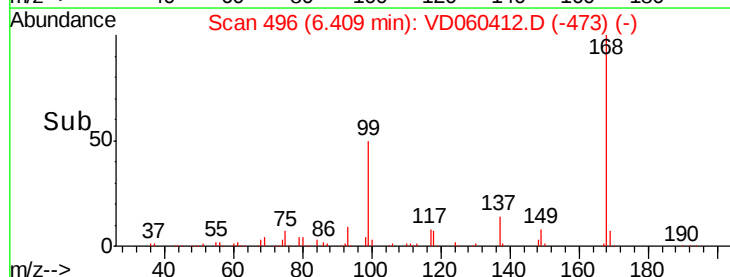
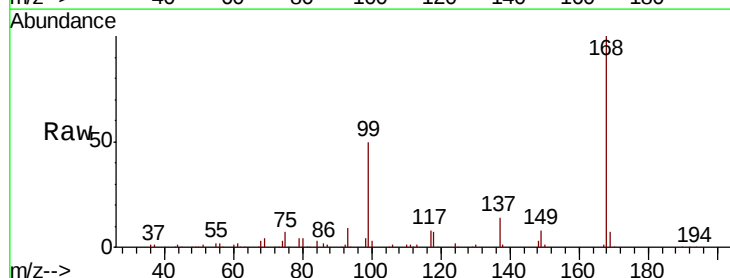
Instrument :
MSVOA_D
ClientSampleId :
VD1119SBL01

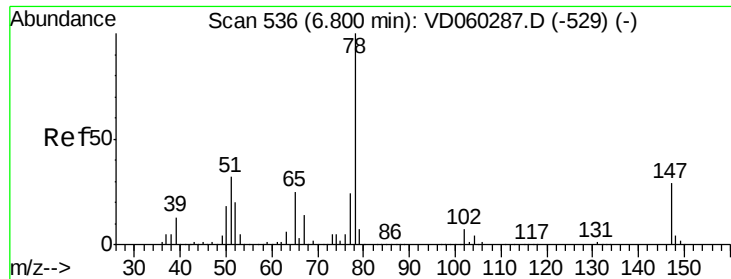
Tgt Ion: 43 Resp: 10985
Ion Ratio Lower Upper
43 100
72 16.8 13.8 20.8



#31
Cyclohexane
Concen: 1.166 ug/l
RT: 6.41 min Scan# 496
Delta R.T. 0.02 min
Lab File: VD060412.D
Acq: 19 Nov 2018 12:53

Tgt Ion: 56 Resp: 28035
Ion Ratio Lower Upper
56 100
69 243.2 22.2 33.2#
84 185.0 63.0 94.4#





#33

1,2-Dichloroethane-d4

Concen: Below ug/l

RT: 6.79 min Scan# 535

Delta R.T. -0.01 min

Lab File: VD060412.D

Acq: 19 Nov 2018 12:53

Instrument :

MSVOA_D

ClientSampleId :

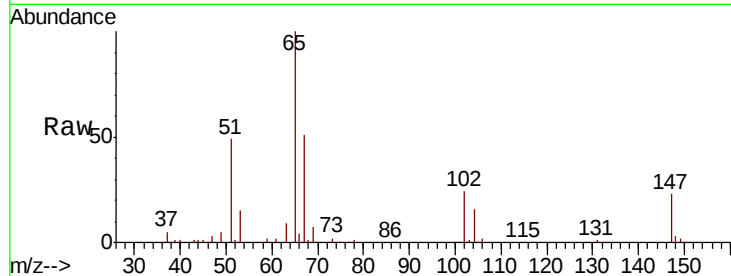
VD1119SBL01

Tgt Ion: 65 Resp: 496651

Ion Ratio Lower Upper

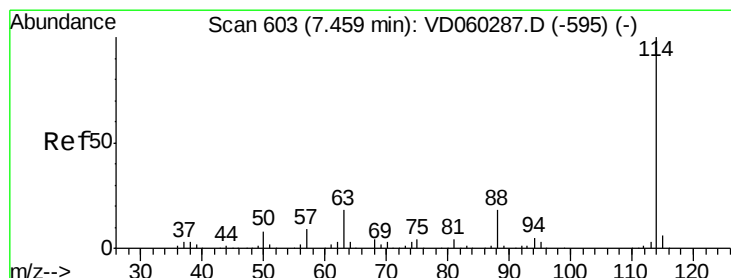
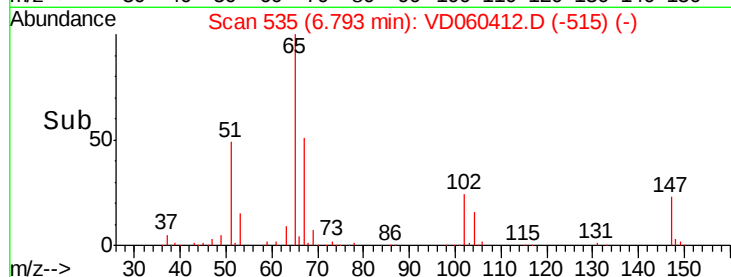
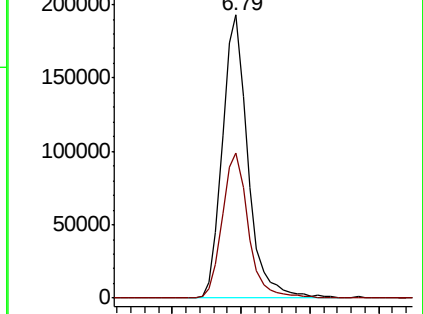
65 100

67 51.1 0.0 109.8



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: VD060412.D

Acq: 19 Nov 2018 12:53

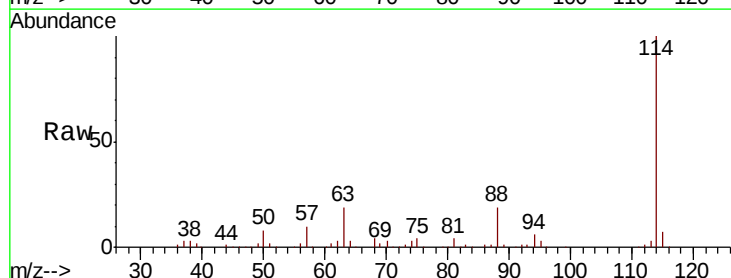
Tgt Ion: 114 Resp: 1943930

Ion Ratio Lower Upper

114 100

63 18.6 0.0 34.0

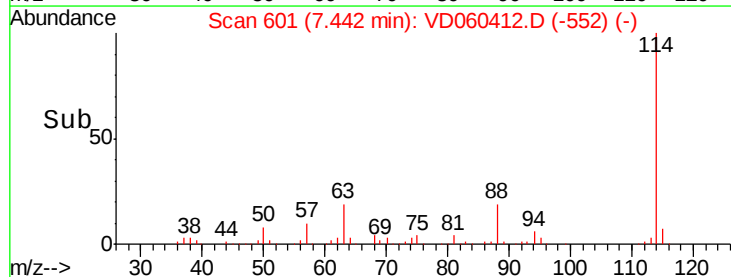
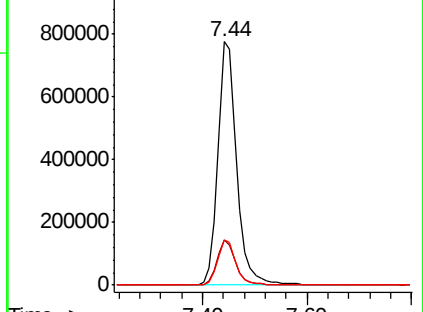
88 18.5 0.0 35.4

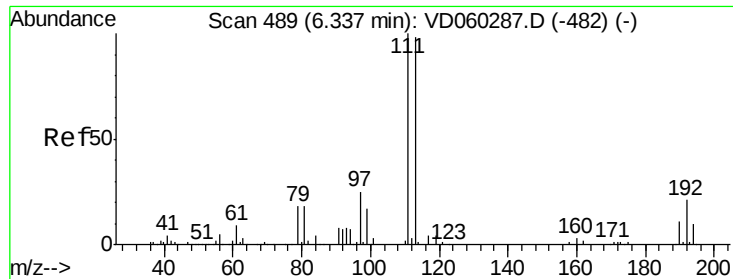


Abundance Ion 114.00 (113.70 to 114.70): V

Ion 62.95 (62.65 to 63.65): VDC

Ion 87.90 (87.60 to 88.60): VDC

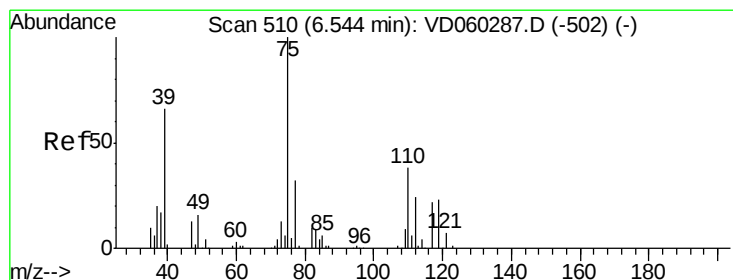
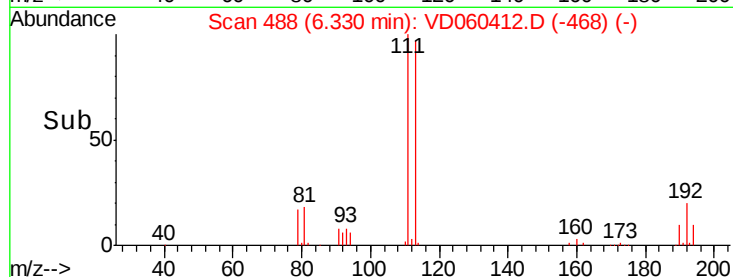
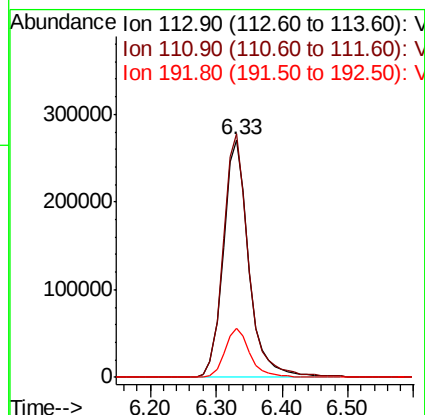
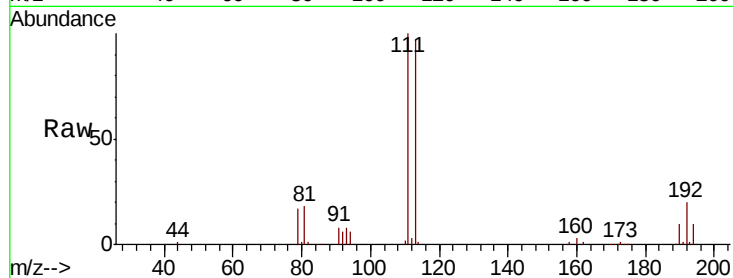




#35
 Dibromofluoromethane
 Concen: 50.000 ug/l
 RT: 6.33 min Scan# 488
 Delta R.T. -0.01 min
 Lab File: VD060412.D
 Acq: 19 Nov 2018 12:53

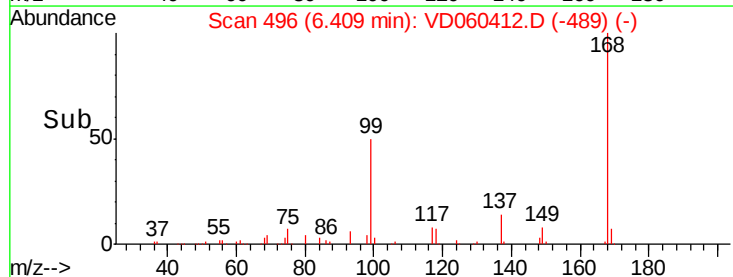
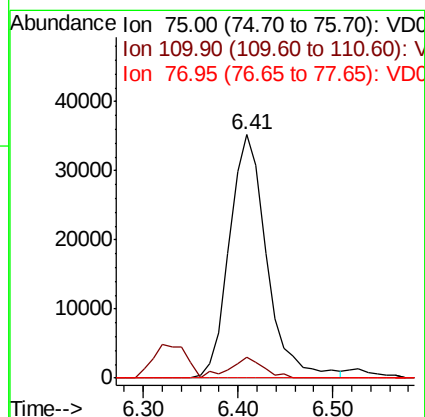
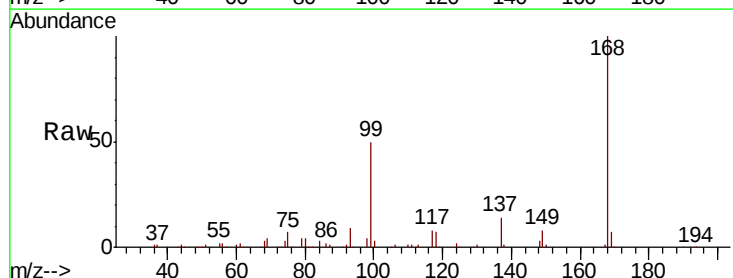
Instrument :
 MSVOA_D
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 VD1119SBL01

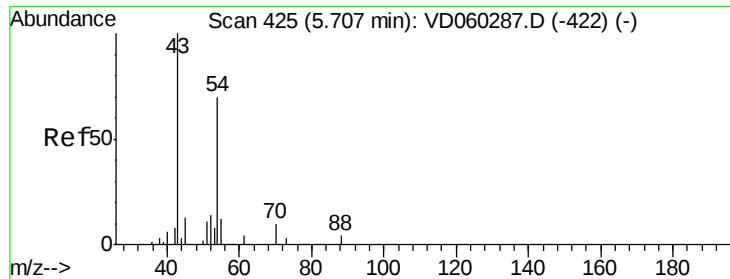
Tgt Ion: 113 Resp: 729413
 Ion Ratio Lower Upper
 113 100
 111 102.6 81.6 122.4
 192 20.6 16.5 24.7



#36
 1,1-Dichloropropene
 Concen: 5.020 ug/l
 RT: 6.41 min Scan# 496
 Delta R.T. -0.13 min
 Lab File: VD060412.D
 Acq: 19 Nov 2018 12:53

Tgt Ion: 75 Resp: 96403
 Ion Ratio Lower Upper
 75 100
 110 8.4 18.0 54.0#
 77 0.0 25.6 38.4#

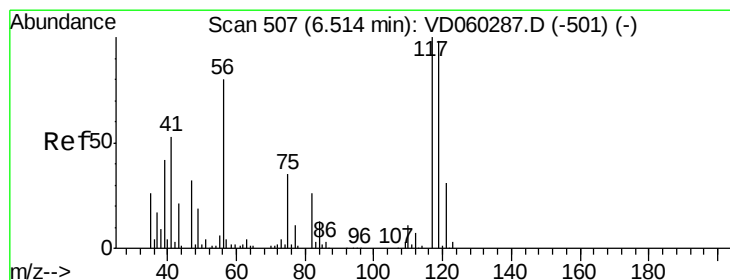
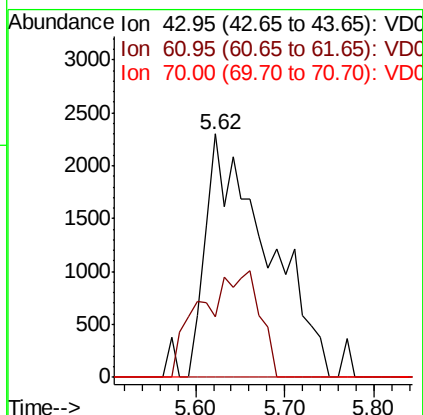
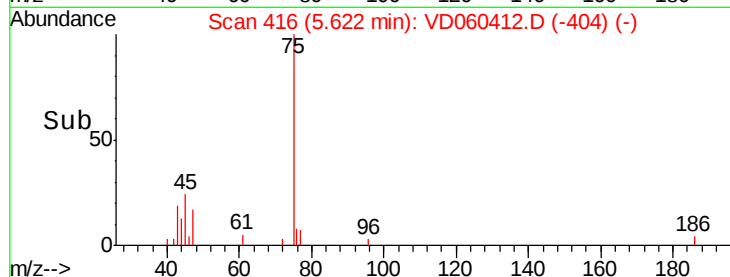
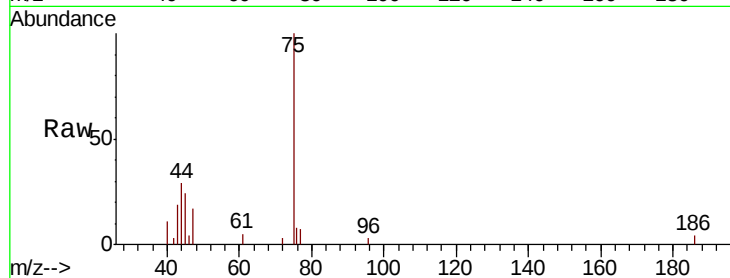




#37
Ethyl Acetate
Concen: 1.243 ug/l
RT: 5.62 min Scan# 416
Delta R.T. -0.09 min
Lab File: VD060412.D
Acq: 19 Nov 2018 12:53

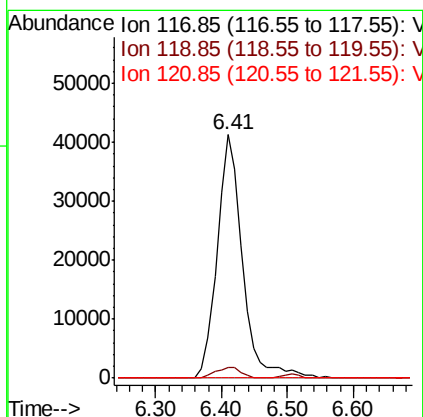
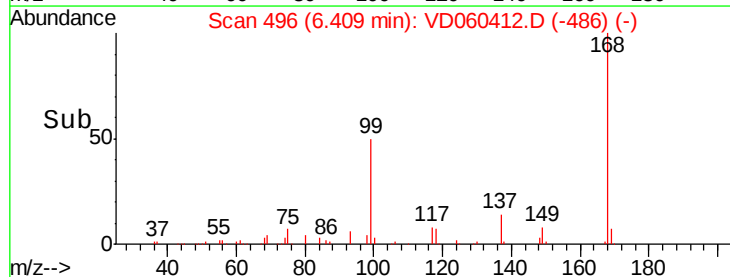
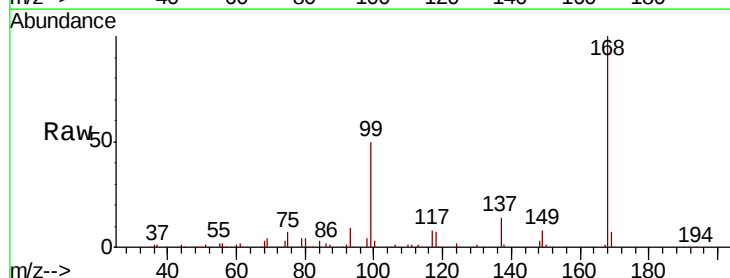
Instrument :
MSVOA_D
ClientSampleId :
VD1119SBL01

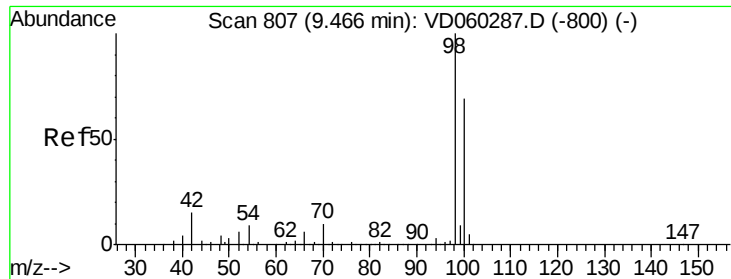
Tgt Ion: 43 Resp: 10985
Ion Ratio Lower Upper
43 100
61 25.1 11.8 17.6#
70 0.0 6.2 9.4#



#38
Carbon Tetrachloride
Concen: 6.141 ug/l
RT: 6.41 min Scan# 496
Delta R.T. -0.10 min
Lab File: VD060412.D
Acq: 19 Nov 2018 12:53

Tgt Ion: 117 Resp: 109401
Ion Ratio Lower Upper
117 100
119 4.6 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: VD060412.D

Acq: 19 Nov 2018 12:53

Instrument :

MSVOA_D

ClientSampleId :

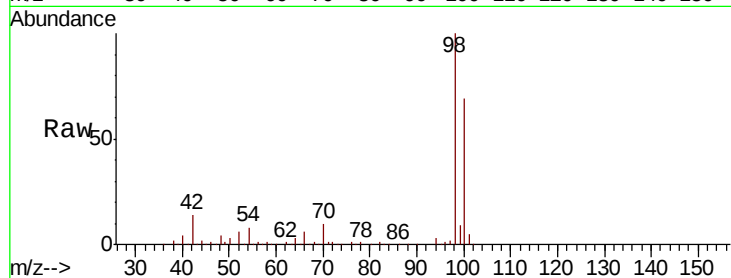
VD1119SBL01

Tgt Ion: 98 Resp: 2069922

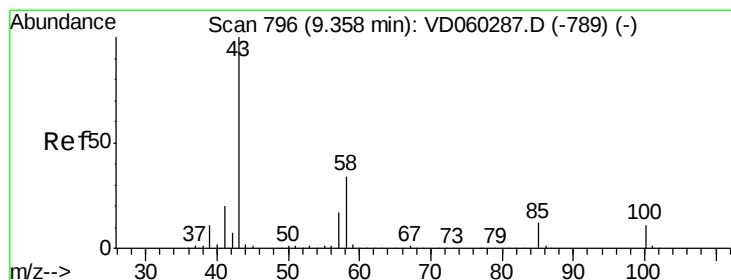
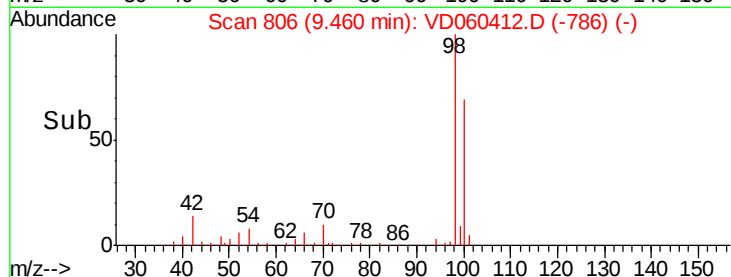
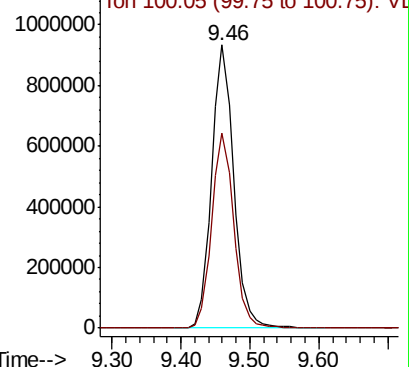
Ion Ratio Lower Upper

98 100

100 68.7 55.2 82.8



Abundance Ion 98.05 (97.75 to 98.75): VD060412.D (-786) (-)



#51

4-Methyl-2-Pentanone

Concen: 1.536 ug/l

RT: 9.34 min Scan# 794

Delta R.T. -0.02 min

Lab File: VD060412.D

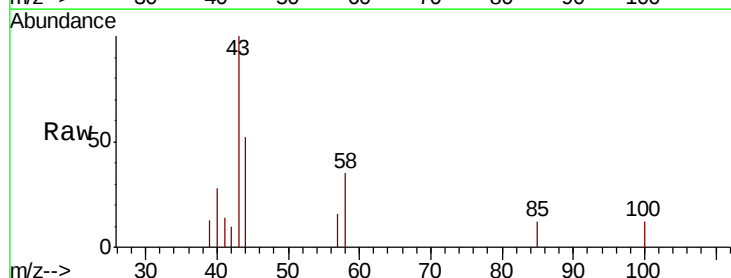
Acq: 19 Nov 2018 12:53

Tgt Ion: 43 Resp: 11096

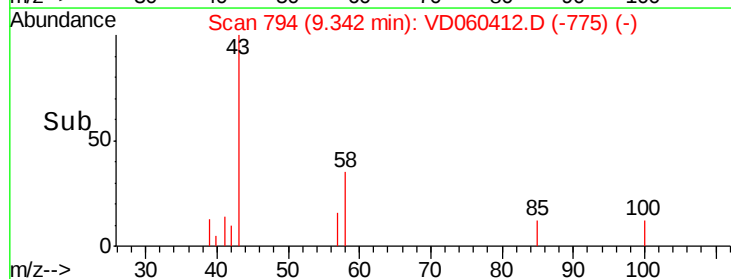
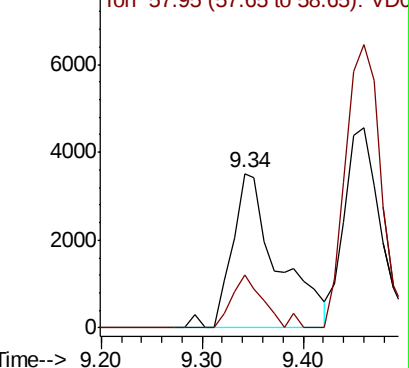
Ion Ratio Lower Upper

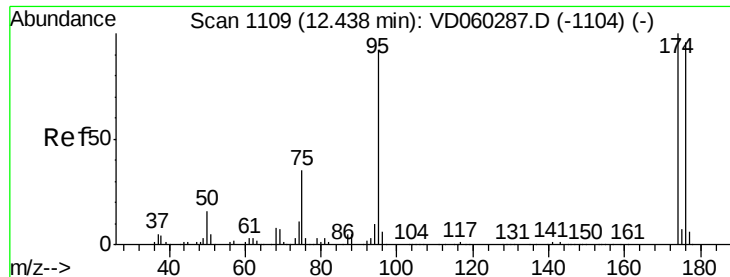
43 100

58 34.6 26.1 39.1



Abundance Ion 42.95 (42.65 to 43.65): VD060412.D (-775) (-)





#62

4-Bromofluorobenzene

Concen: Below ug/l

RT: 12.43 min Scan# 1108

Delta R.T. -0.01 min

Lab File: VD060412.D

Acq: 19 Nov 2018 12:53

Instrument :

MSVOA_D

ClientSampleId :

VD1119SBL01

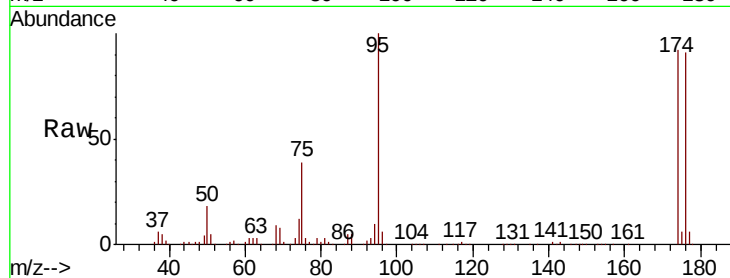
Tgt Ion: 95 Resp: 758048

Ion Ratio Lower Upper

95 100

174 91.6 0.0 160.8

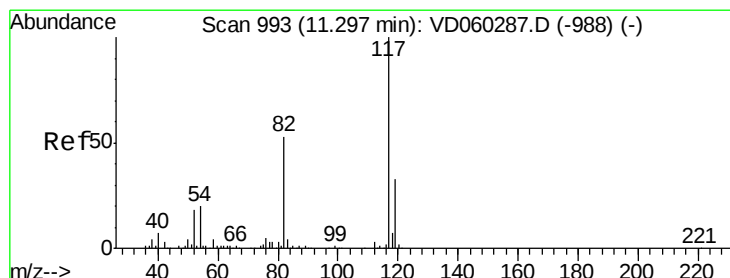
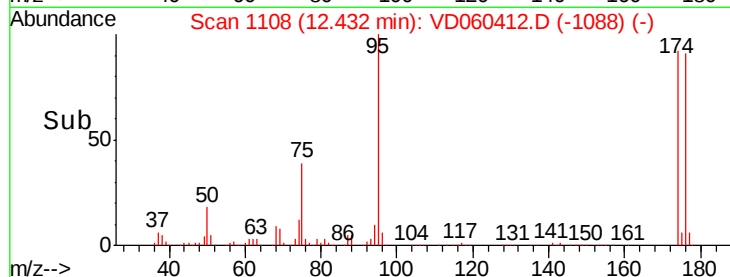
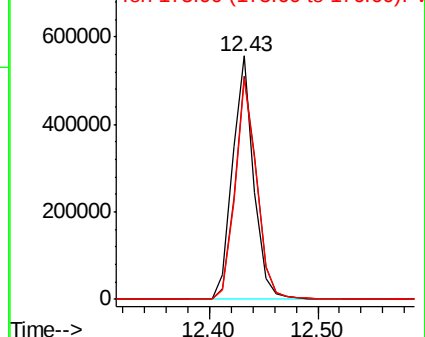
176 90.7 0.0 154.6



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: VD060412.D

Acq: 19 Nov 2018 12:53

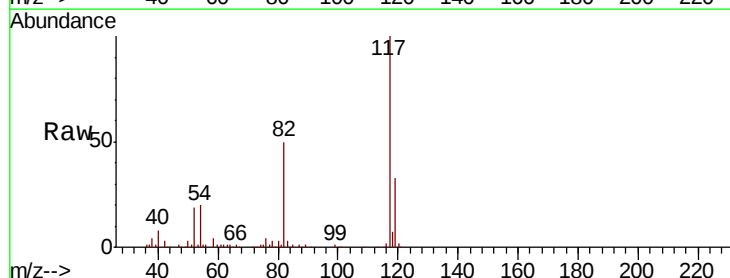
Tgt Ion: 117 Resp: 1550516

Ion Ratio Lower Upper

117 100

82 50.3 43.7 65.5

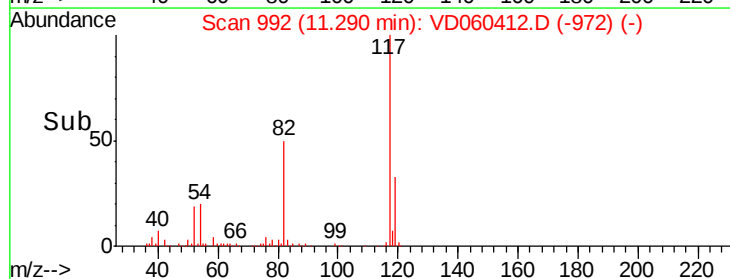
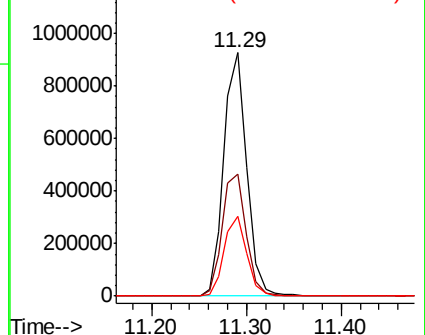
119 32.8 26.1 39.1

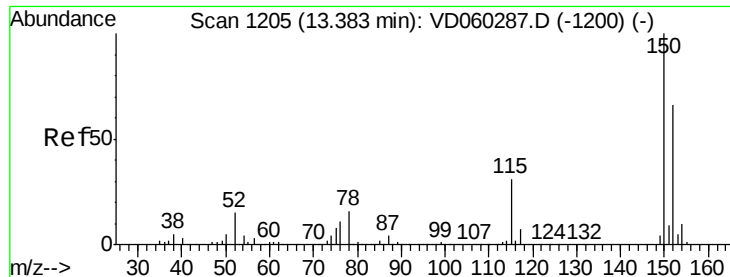


Abundance Ion 116.95 (116.65 to 117.65): V

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: VD060412.D

Acq: 19 Nov 2018 12:53

Instrument :

MSVOA_D

ClientSampleId :

VD1119SBL01

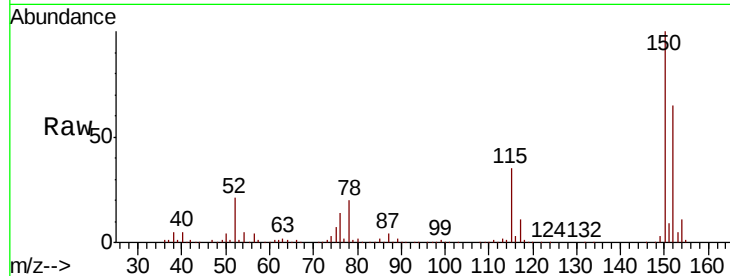
Tgt Ion:152 Resp: 768303

Ion Ratio Lower Upper

152 100

115 54.1 24.1 72.3

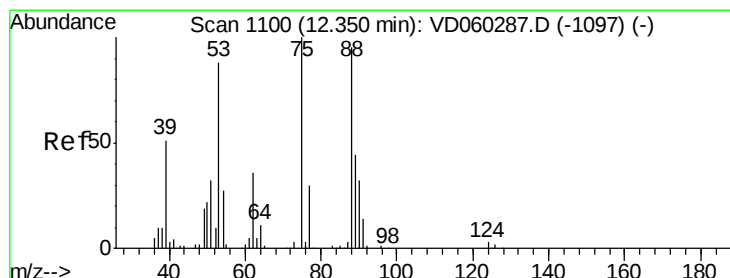
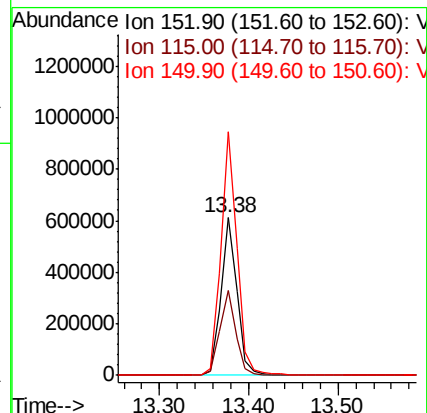
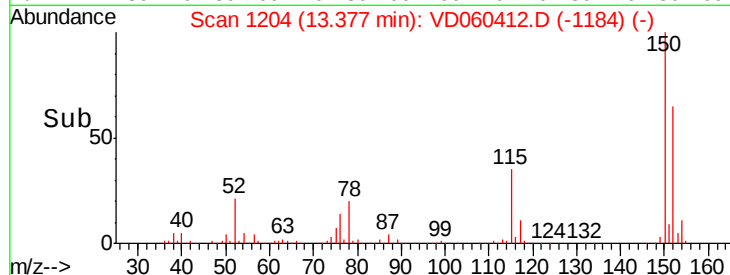
150 154.8 0.0 310.6



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



#81

trans-1,4-Dichloro-2-butene

Concen: 113.688 ug/l

RT: 12.43 min Scan# 1108

Delta R.T. 0.08 min

Lab File: VD060412.D

Acq: 19 Nov 2018 12:53

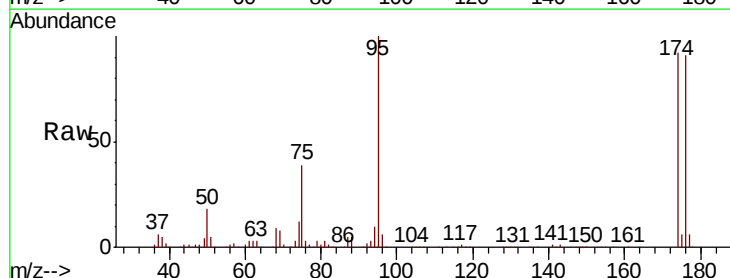
Tgt Ion: 75 Resp: 297474

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

