

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_D\DATA\VD111218\
 Data File : VD060330.D
 Acq On : 12 Nov 2018 11:04
 Operator : VA/AP
 Sample : VD1112SBL01
 Misc : 5.00g/5ml/MSVOA_D/SOIL
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1112SBL01

Quant Time: Nov 13 00:38:26 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	6.40	168	1789956	50.00	ug/l	-0.03
34) 1,4-Difluorobenzene	7.43	114	2524255	50.00	ug/l	-0.03
63) Chlorobenzene-d5	11.27	117	2025013	50.00	ug/l	-0.03
72) 1,4-Dichlorobenzene-d4	13.37	152	979423	50.00	ug/l	-0.02

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.78	65	720311	56.20	ug/l	-0.02
Spiked Amount 50.000			Recovery	=	112.40%	
35) Dibromofluoromethane	6.32	113	991854	52.69	ug/l	-0.02
Spiked Amount 50.000			Recovery	=	105.38%	
50) Toluene-d8	9.44	98	2903509	52.70	ug/l	-0.03
Spiked Amount 50.000			Recovery	=	105.40%	
62) 4-Bromofluorobenzene	12.41	95	999094	50.05	ug/l	-0.03
Spiked Amount 50.000			Recovery	=	100.10%	

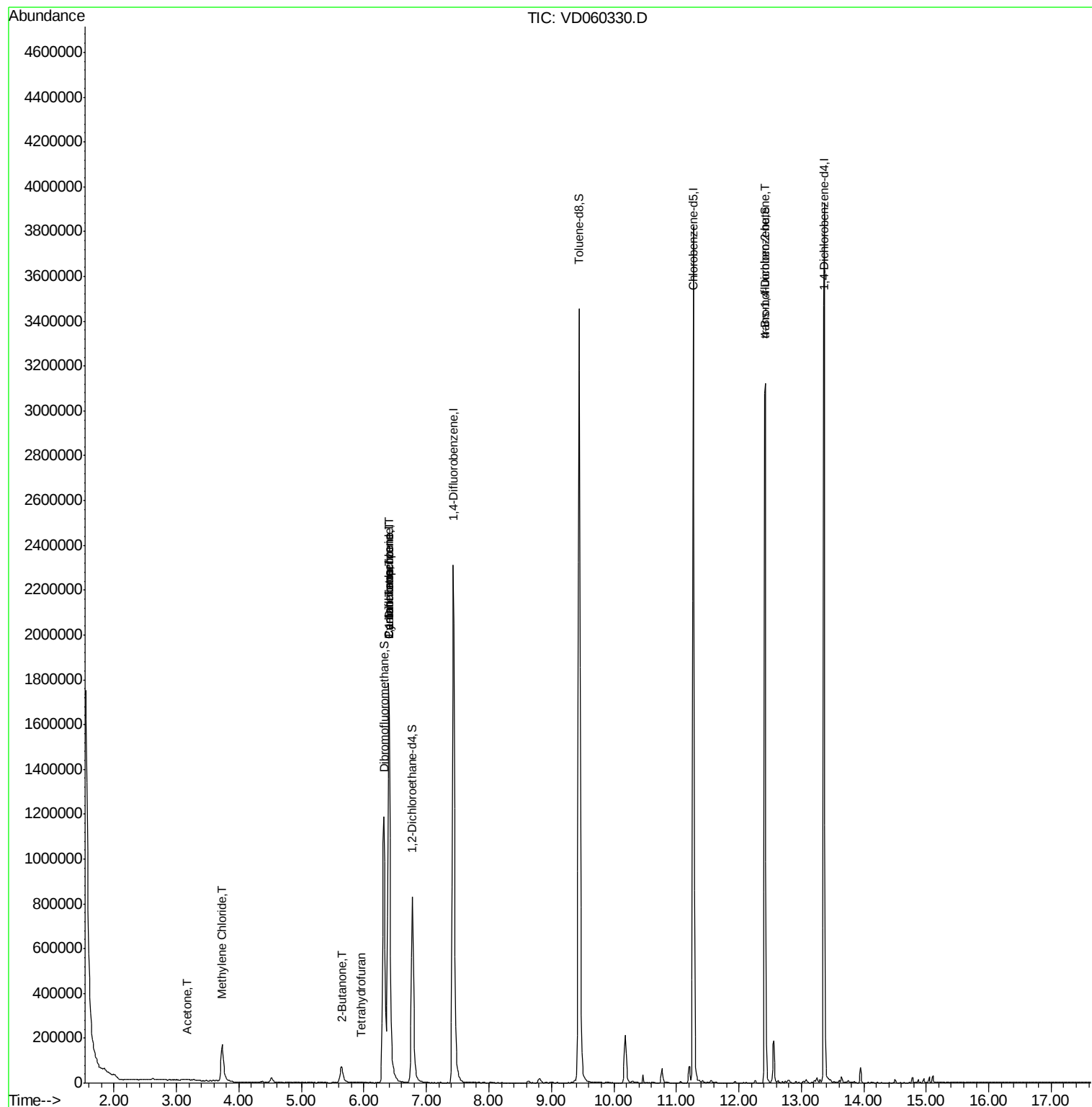
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.62	85	5490	Below Cal		85
16) Acetone	3.17	43	8982	4.040	ug/l	96
20) Methylene Chloride	3.73	84	114321	5.797	ug/l	98
25) 2-Butanone	5.63	43	7224	1.563	ug/l #	60
29) Tetrahydrofuran	5.96	42	2999	1.231	ug/l #	68
31) Cyclohexane	6.40	56	36871	1.205	ug/l #	1
36) 1,1-Dichloropropene	6.40	75	133452	5.351	ug/l #	46
38) Carbon Tetrachloride	6.40	117	142660	6.167	ug/l #	16
81) trans-1,4-Dichloro-2-buten	12.41	75	409878	122.881	ug/l #	15
89) n-Butylbenzene	13.64	91	7910	Below Cal		75

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

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Instrument :
MSVOA_D
ClientSampleID :
VD1112SBL01

Quant Time: Nov 13 00:38:26 2018
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_D\METHOD\82D110618S.M
Quant Title : SW846 8260
QLast Update : Tue Nov 06 13:56:04 2018
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 6.40 min Scan# 495

Delta R.T. -0.03 min

Lab File: VD060330.D

Acq: 12 Nov 2018 11:04

Instrument :

MSVOA_D

ClientSampleId :

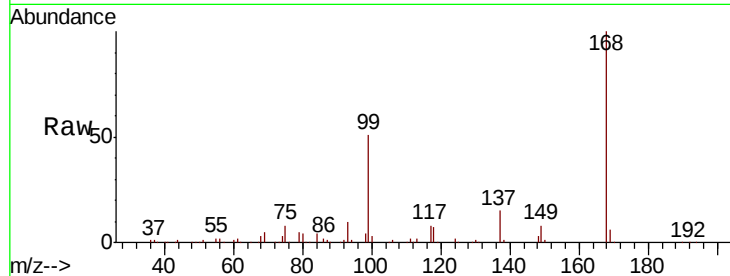
VD1112SBL01

Tgt Ion:168 Resp: 1789956

Ion Ratio Lower Upper

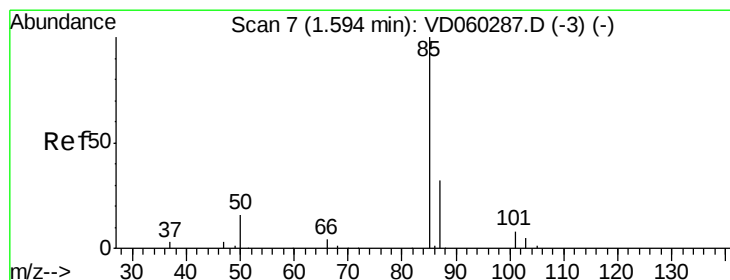
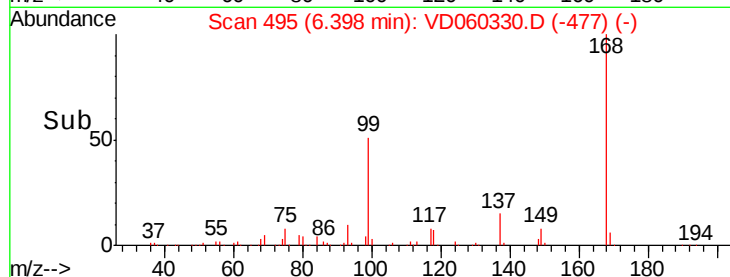
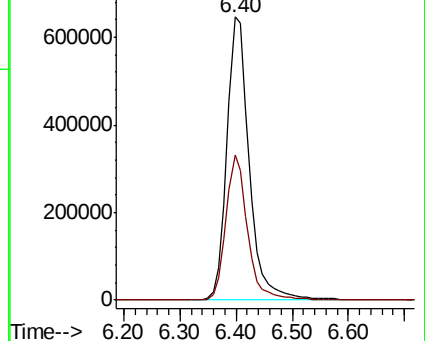
168 100

99 51.3 39.8 59.8



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): V



#2

Dichlorodifluoromethane

Concen: Below Cal

RT: 1.62 min Scan# 9

Delta R.T. 0.02 min

Lab File: VD060330.D

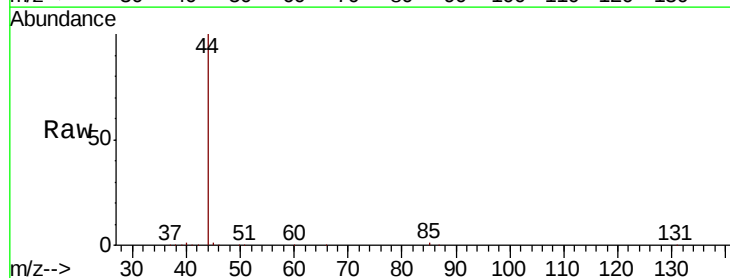
Acq: 12 Nov 2018 11:04

Tgt Ion: 85 Resp: 5490

Ion Ratio Lower Upper

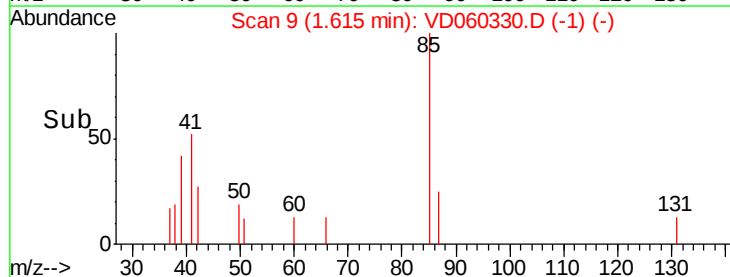
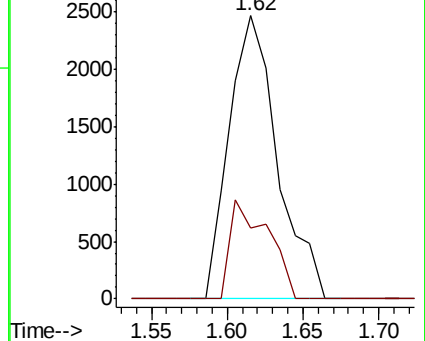
85 100

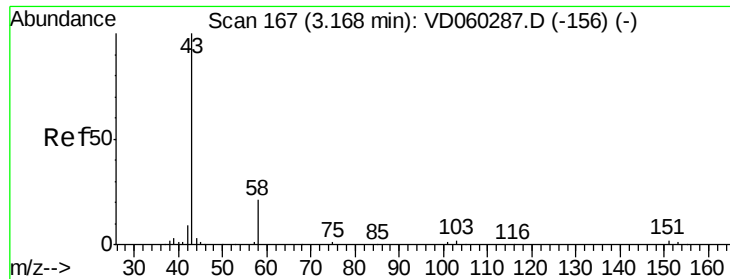
87 25.3 16.8 50.4



Abundance Ion 84.95 (84.65 to 85.65): V

Ion 86.90 (86.60 to 87.60): V





#16

Acetone

Concen: 4.040 ug/l

RT: 3.17 min Scan# 167

Delta R.T. 0.00 min

Lab File: VD060330.D

Acq: 12 Nov 2018 11:04

Instrument :

MSVOA_D

ClientSampled :

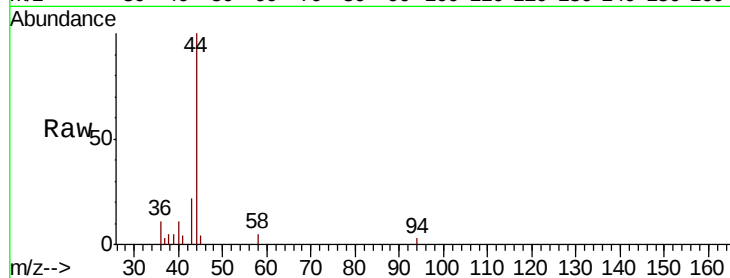
VD1112SBL01

Tgt Ion: 43 Resp: 8982

Ion Ratio Lower Upper

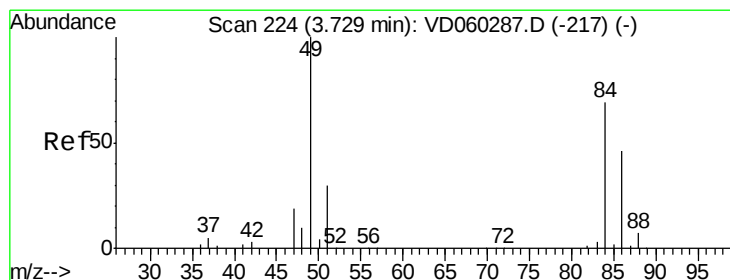
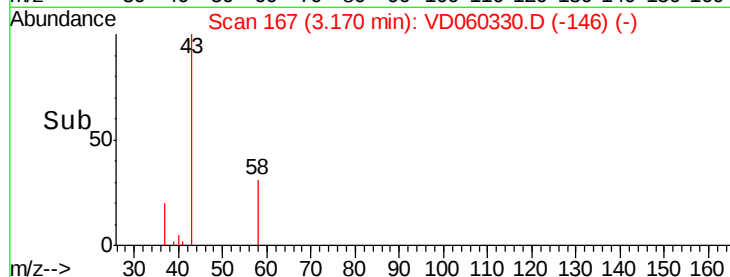
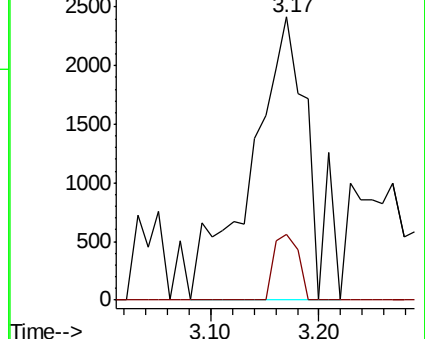
43 100

58 23.2 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: 5.797 ug/l

RT: 3.73 min Scan# 224

Delta R.T. 0.00 min

Lab File: VD060330.D

Acq: 12 Nov 2018 11:04

Tgt Ion: 84 Resp: 114321

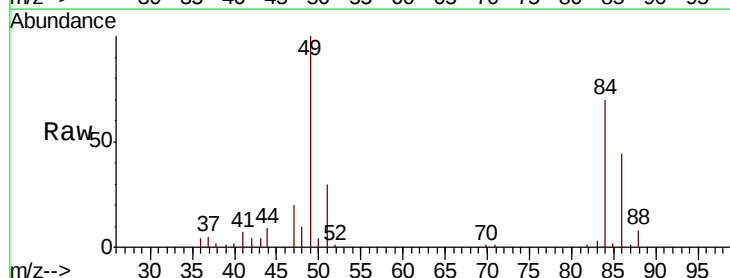
Ion Ratio Lower Upper

84 100

49 142.1 115.6 173.4

51 43.2 35.6 53.4

86 62.5 52.3 78.5

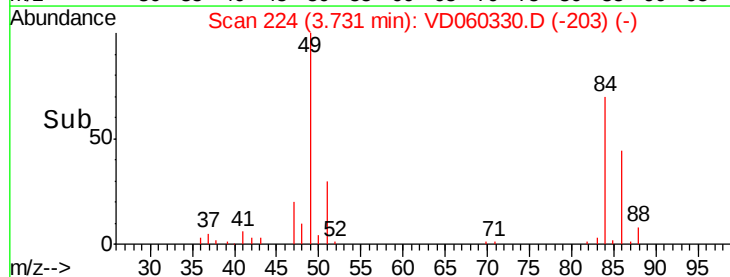
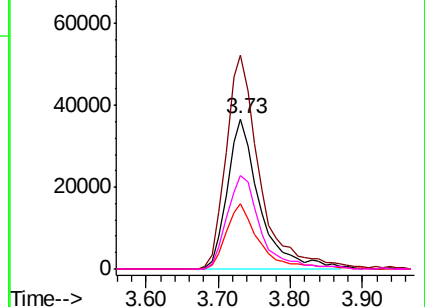


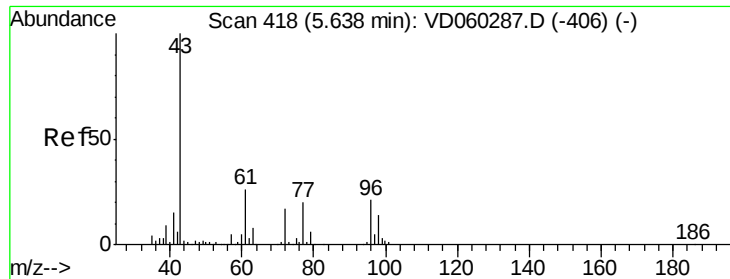
Abundance Ion 83.95 (83.65 to 84.65): VDC

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: 1.563 ug/l

RT: 5.63 min Scan# 417

Delta R.T. -0.01 min

Lab File: VD060330.D

Acq: 12 Nov 2018 11:04

Instrument :

MSVOA_D

ClientSampleId :

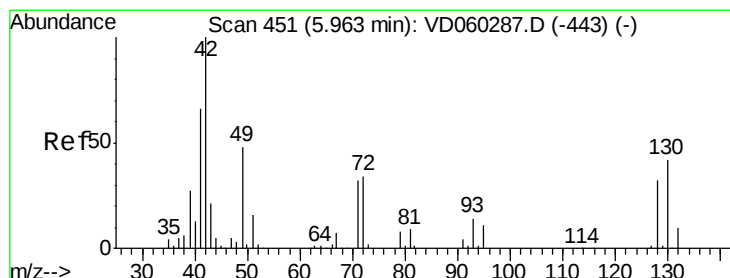
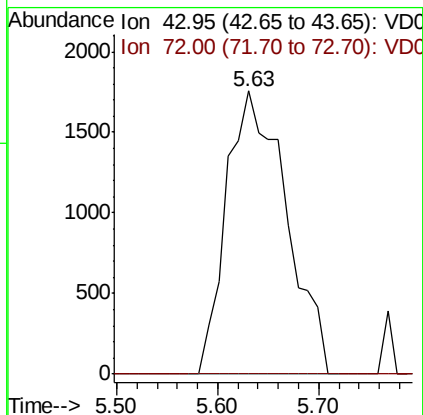
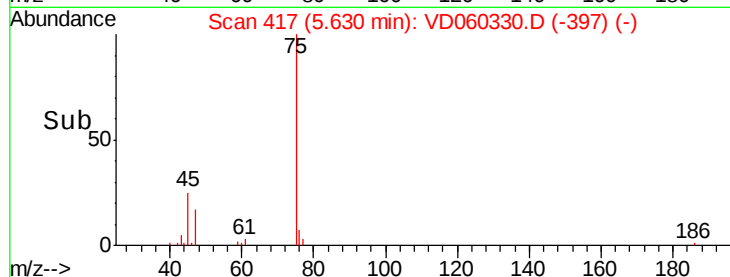
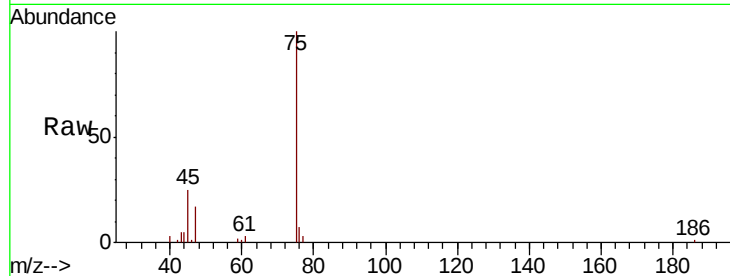
VD1112SBL01

Tgt Ion: 43 Resp: 7224

Ion Ratio Lower Upper

43 100

72 0.0 13.8 20.8#



#29

Tetrahydrofuran

Concen: 1.231 ug/l

RT: 5.96 min Scan# 450

Delta R.T. -0.01 min

Lab File: VD060330.D

Acq: 12 Nov 2018 11:04

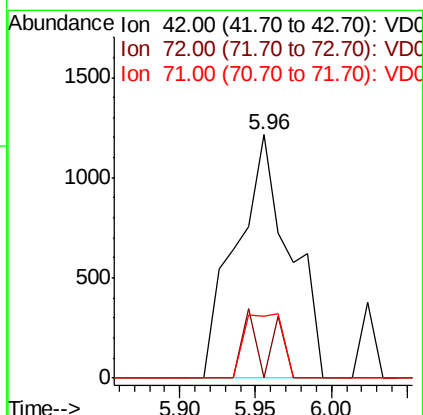
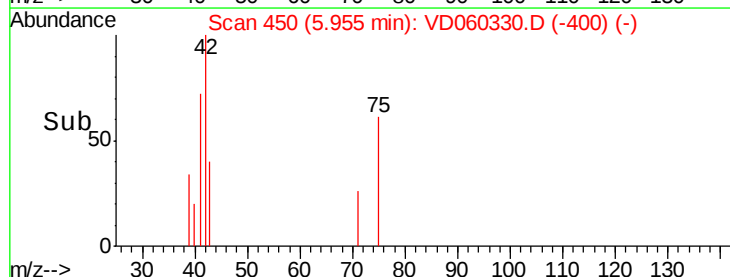
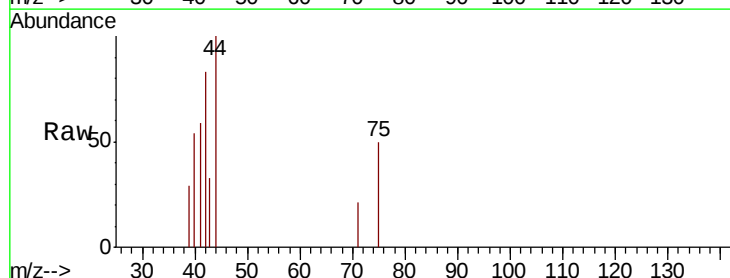
Tgt Ion: 42 Resp: 2999

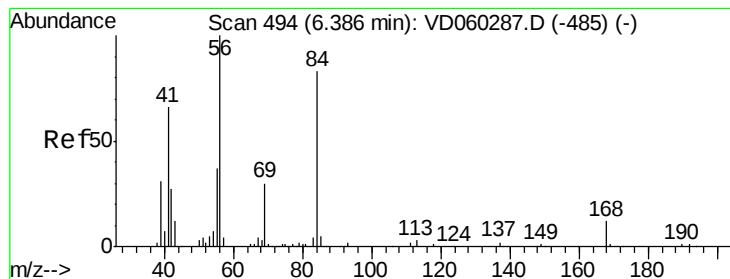
Ion Ratio Lower Upper

42 100

72 12.9 27.6 41.4#

71 18.7 26.5 39.7#





#31

Cyclohexane

Concen: 1.205 ug/l

RT: 6.40 min Scan# 495

Delta R.T. 0.01 min

Lab File: VD060330.D

Acq: 12 Nov 2018 11:04

Instrument :

MSVOA_D

ClientSampleId :

VD1112SBL01

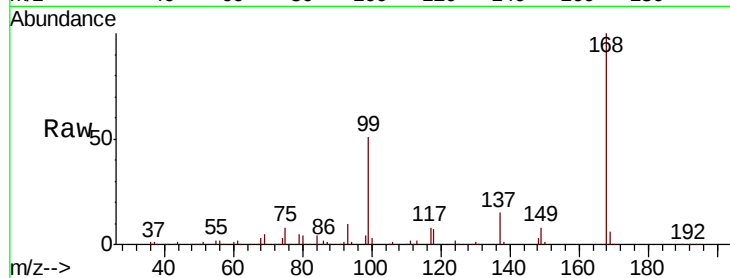
Tgt Ion: 56 Resp: 36871

Ion Ratio Lower Upper

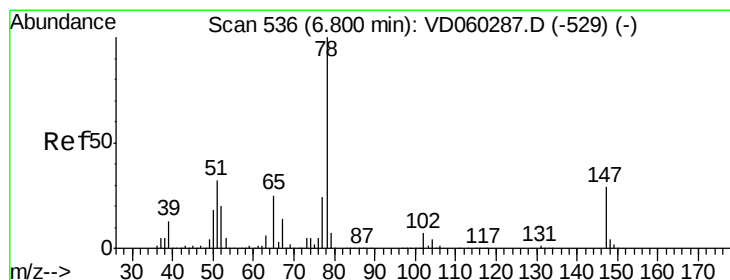
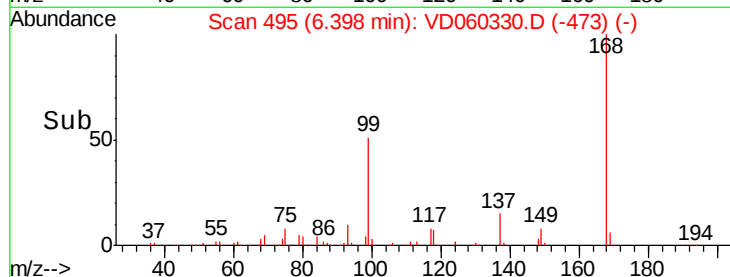
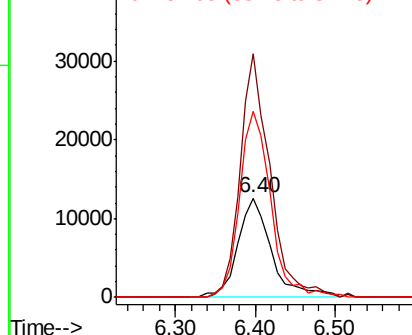
56 100

69 244.9 22.2 33.2#

84 187.6 63.0 94.4#



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: VD060330.D

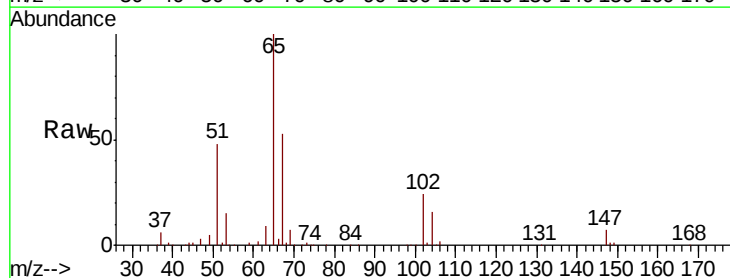
Acq: 12 Nov 2018 11:04

Tgt Ion: 65 Resp: 720311

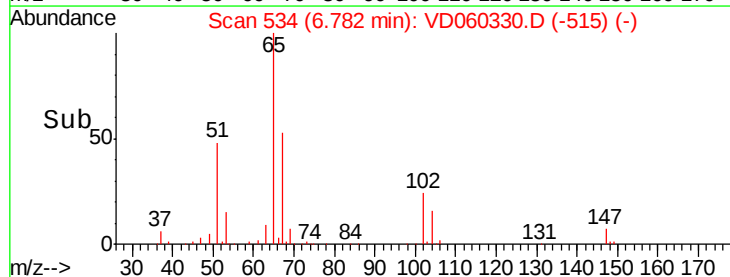
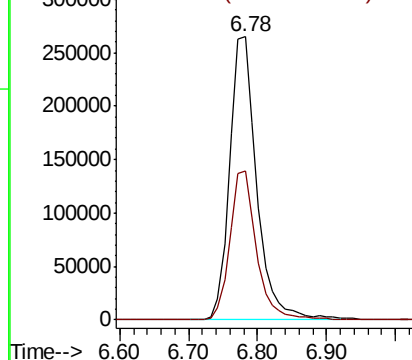
Ion Ratio Lower Upper

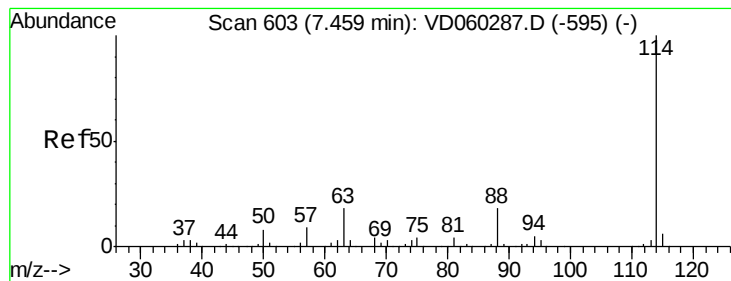
65 100

67 52.6 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: 7.43 min Scan# 600

Delta R.T. -0.03 min

Lab File: VD060330.D

Acq: 12 Nov 2018 11:04

Instrument :

MSVOA_D

ClientSampleId :

VD1112SBL01

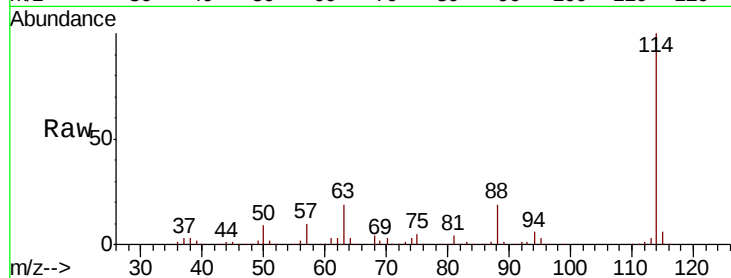
Tgt Ion:114 Resp: 2524255

Ion Ratio Lower Upper

114 100

63 19.2 0.0 34.0

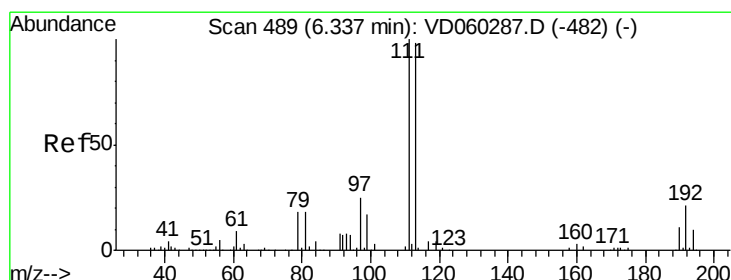
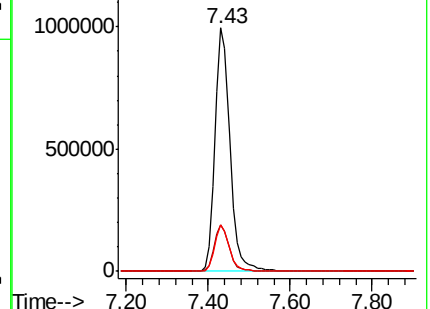
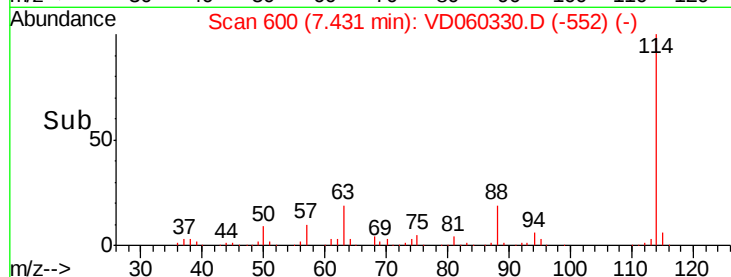
88 19.0 0.0 35.4



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# 487

Delta R.T. -0.02 min

Lab File: VD060330.D

Acq: 12 Nov 2018 11:04

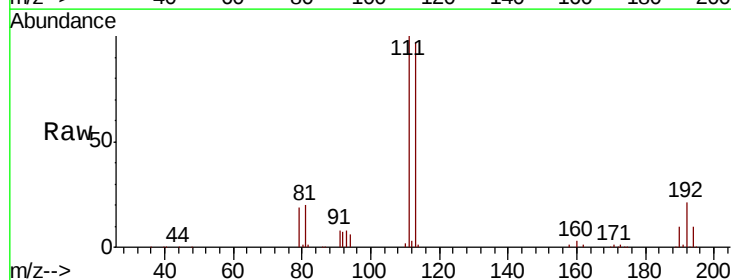
Tgt Ion:113 Resp: 991854

Ion Ratio Lower Upper

113 100

111 103.6 81.6 122.4

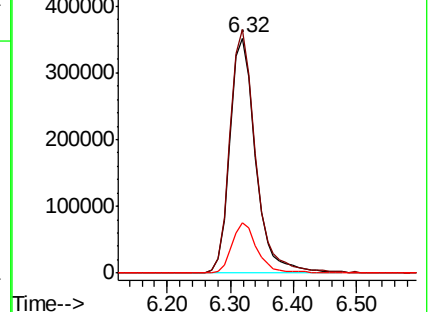
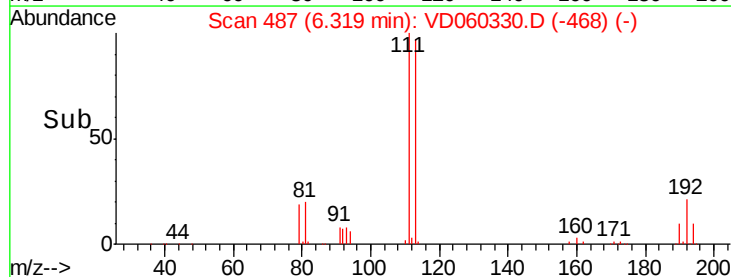
192 21.6 16.5 24.7

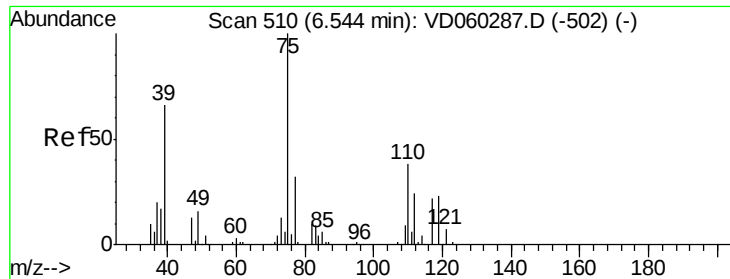


Abundance Ion 112.90 (112.60 to 113.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 191.80 (191.50 to 192.50): V





#36

1,1-Dichloropropene

Concen: 5.351 ug/l

RT: 6.40 min Scan# 495

Delta R.T. -0.15 min

Lab File: VD060330.D

Acq: 12 Nov 2018 11:04

Instrument :

MSVOA_D

ClientSampleId :

VD1112SBL01

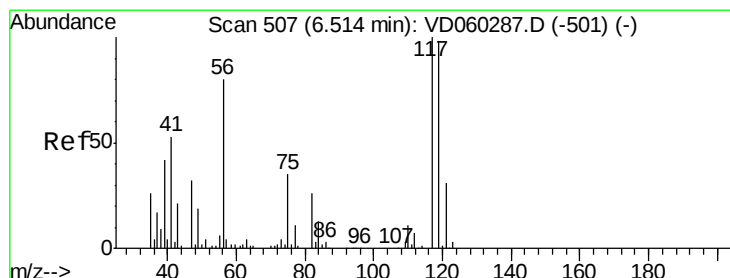
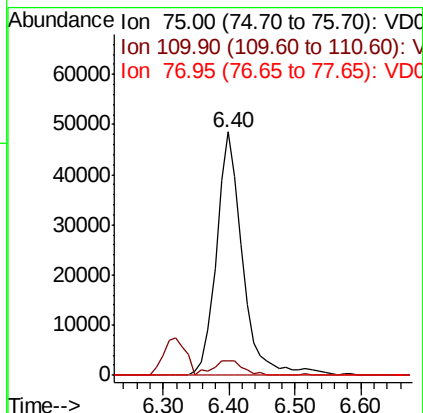
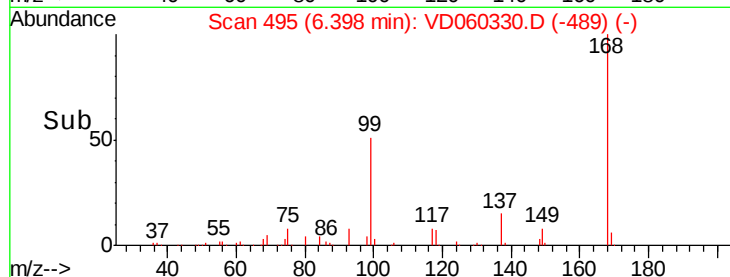
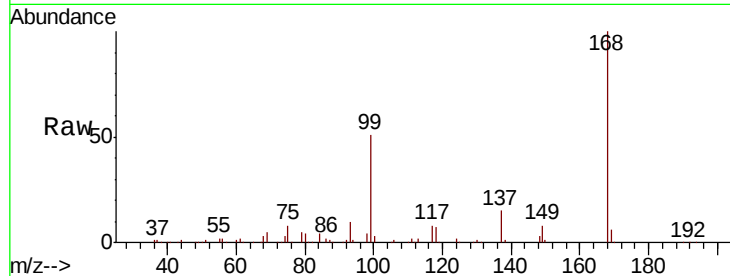
Tgt Ion: 75 Resp: 133452

Ion Ratio Lower Upper

75 100

110 6.0 18.0 54.0#

77 0.0 25.6 38.4#



#38

Carbon Tetrachloride

Concen: 6.167 ug/l

RT: 6.40 min Scan# 495

Delta R.T. -0.12 min

Lab File: VD060330.D

Acq: 12 Nov 2018 11:04

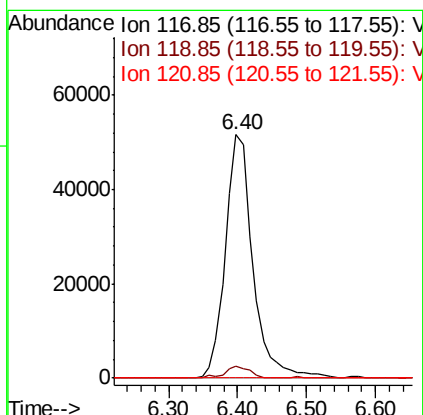
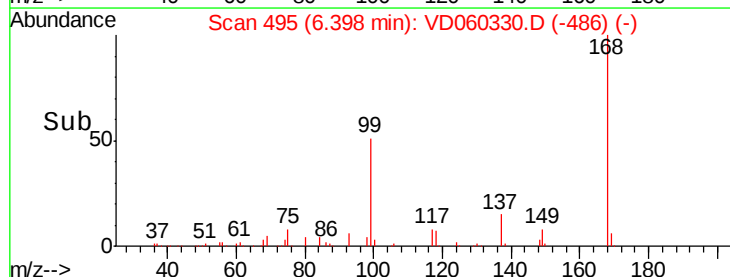
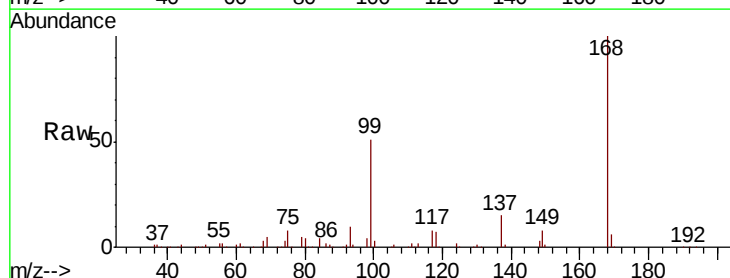
Tgt Ion: 117 Resp: 142660

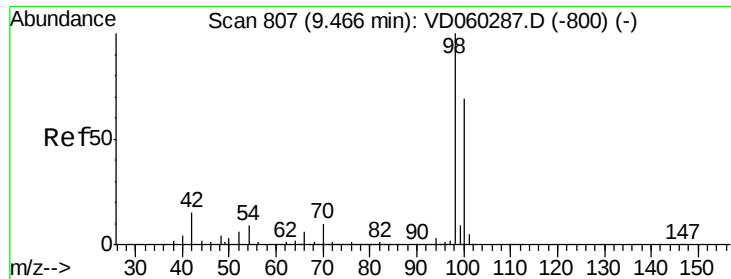
Ion Ratio Lower Upper

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: 9.44 min Scan# 804

Delta R.T. -0.03 min

Lab File: VD060330.D

Acq: 12 Nov 2018 11:04

Instrument :

MSVOA_D

ClientSampleId :

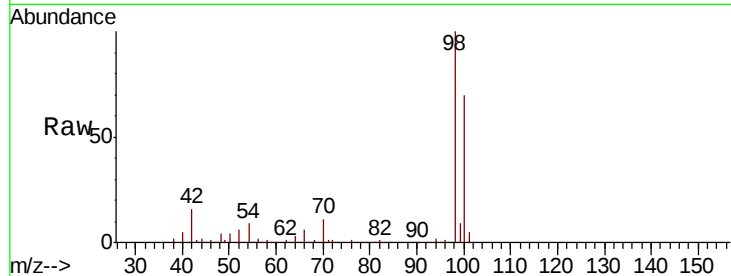
VD1112SBL01

Tgt Ion: 98 Resp: 2903509

Ion Ratio Lower Upper

98 100

100 70.4 55.2 82.8



Abundance Ion 98.05 (97.75 to 98.75): VDC

Ion 100.05 (99.75 to 100.75): VDC

9.44

1500000

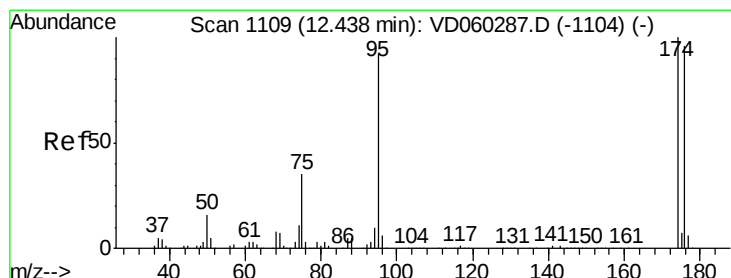
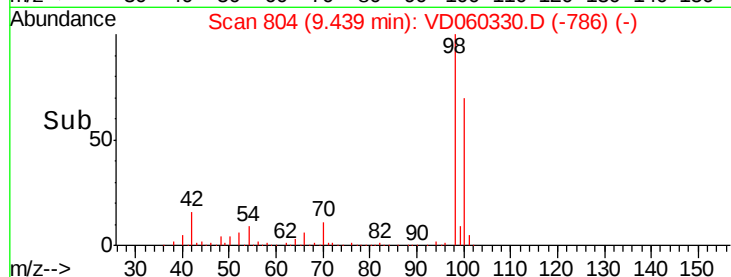
1000000

500000

0

Time-->

9.30 9.40 9.50 9.60



#62

4-Bromofluorobenzene

Concen: Below ug/l

RT: 12.41 min Scan# 1106

Delta R.T. -0.03 min

Lab File: VD060330.D

Acq: 12 Nov 2018 11:04

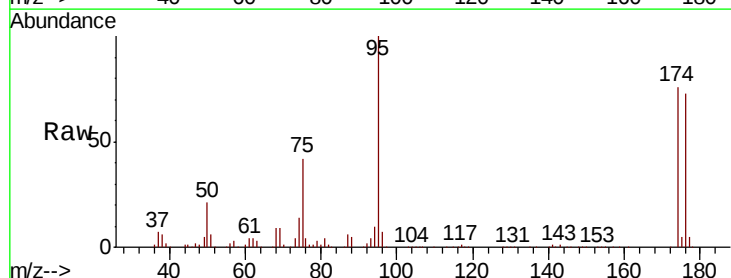
Tgt Ion: 95 Resp: 999094

Ion Ratio Lower Upper

95 100

174 76.5 0.0 160.8

176 72.7 0.0 154.6



Abundance Ion 95.00 (94.70 to 95.70): VDC

Ion 173.90 (173.60 to 174.60): VDC

Ion 175.90 (175.60 to 176.60): VDC

12.41

800000

600000

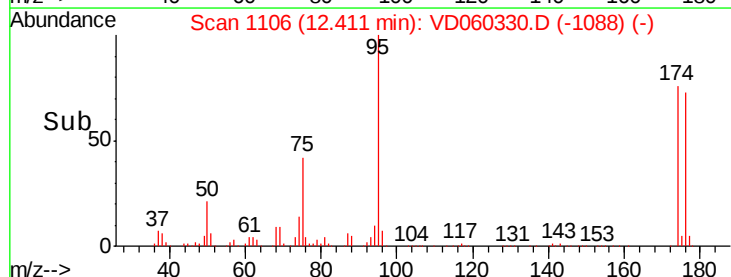
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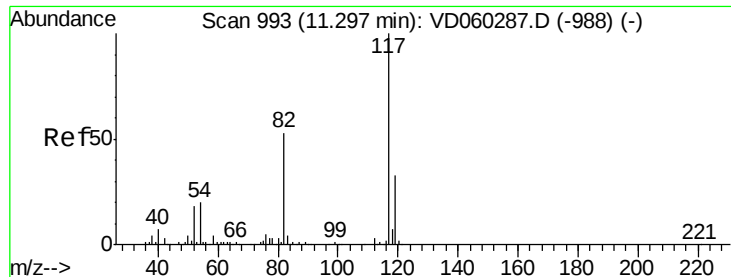
200000

0

Time-->

12.30 12.40 12.50

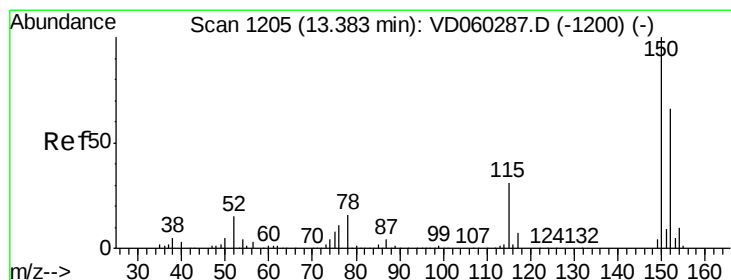
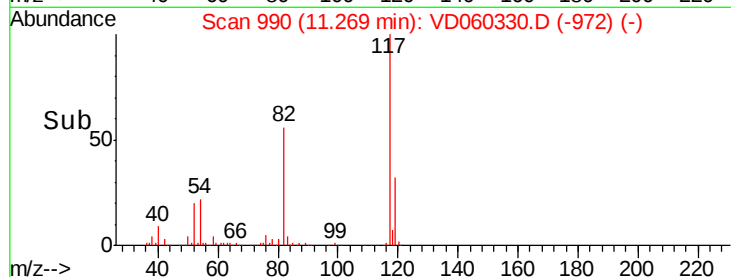
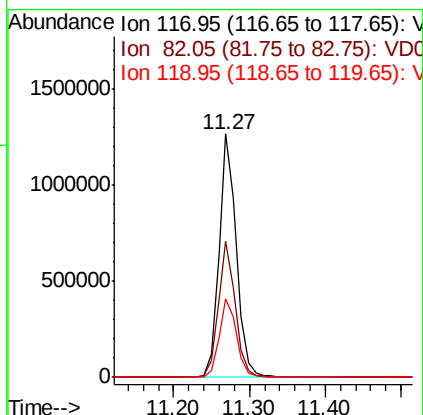
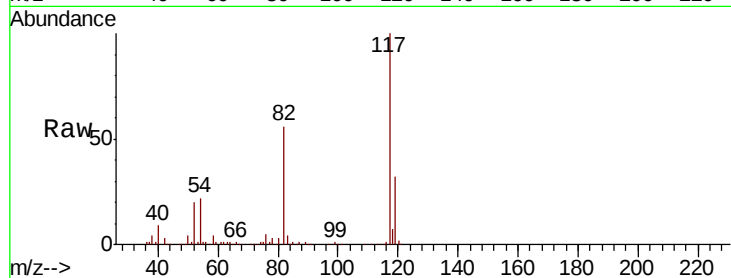




#63
 Chlorobenzene-d5
 Concen: 50.000 ug/l
 RT: 11.27 min Scan# 990
 Delta R.T. -0.03 min
 Lab File: VD060330.D
 Acq: 12 Nov 2018 11:04

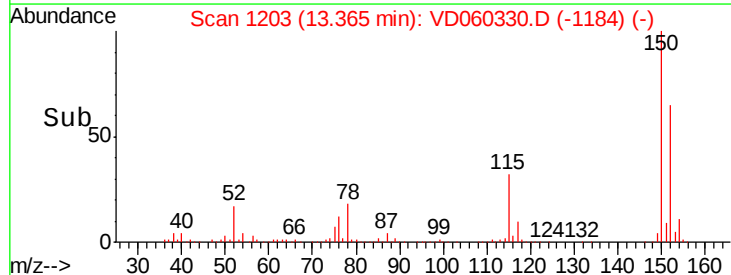
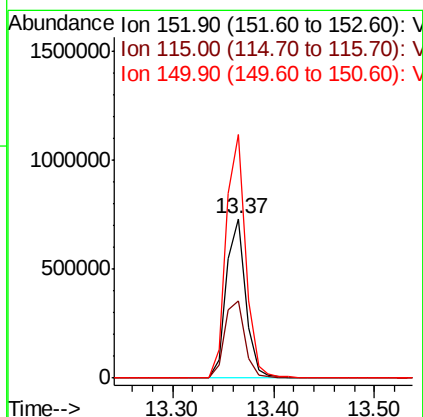
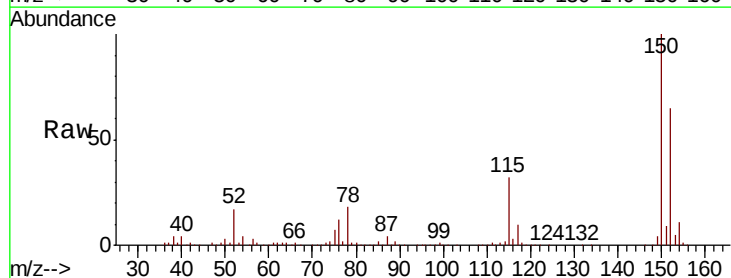
Instrument :
 MSVOA_D
 ClientSampleId :
 VD1112SBL01

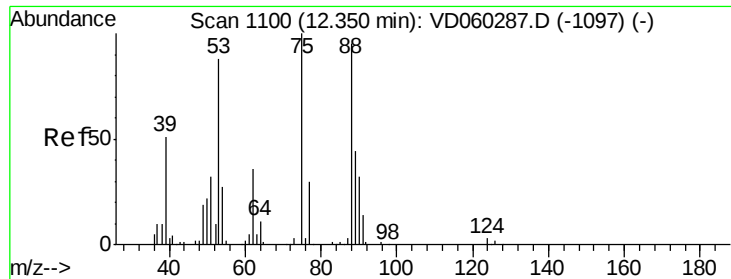
Tgt Ion:117 Resp: 2025013
 Ion Ratio Lower Upper
 117 100
 82 56.1 43.7 65.5
 119 32.5 26.1 39.1



#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.37 min Scan# 1203
 Delta R.T. -0.02 min
 Lab File: VD060330.D
 Acq: 12 Nov 2018 11:04

Tgt Ion:152 Resp: 979423
 Ion Ratio Lower Upper
 152 100
 115 48.7 24.1 72.3
 150 152.8 0.0 310.6





#81

trans-1,4-Dichloro-2-butene

Concen: 122.881 ug/l

RT: 12.41 min Scan# 1106

Delta R.T. 0.06 min

Lab File: VD060330.D

Acq: 12 Nov 2018 11:04

Instrument :

MSVOA_D

ClientSampleId :

VD1112SBL01

Tgt Ion: 75 Resp: 409878

Ion Ratio Lower Upper

75 100

53 0.0 68.6 103.0#

89 0.0 34.1 51.1#

