

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_D\DATA\VD041919\
 Data File : VD061911.D
 Acq On : 19 Apr 2019 15:43
 Operator : VA/AP
 Sample : K2434-01
 Misc : 6.09g/5ml/MSVOA_D/SOIL
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 RO-288

Quant Time: Apr 19 16:13:16 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D041519S.M
 Quant Title : SW846 8260
 QLast Update : Thu Apr 18 13:49:04 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.06	168	477656	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.23	114	772697	50.00	ug/l	0.00
63) Chlorobenzene-d5	12.37	117	601986	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	14.53	152	309813	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	7.46	65	225241	56.26	ug/l	0.00
Spiked Amount			Recovery	=	112.52%	
35) Dibromofluoromethane	6.93	113	331258	56.74	ug/l	0.00
Spiked Amount			Recovery	=	113.48%	
50) Toluene-d8	10.41	98	748607	54.12	ug/l	0.00
Spiked Amount			Recovery	=	108.24%	
62) 4-Bromofluorobenzene	13.56	95	281459	50.20	ug/l	0.00
Spiked Amount			Recovery	=	100.40%	

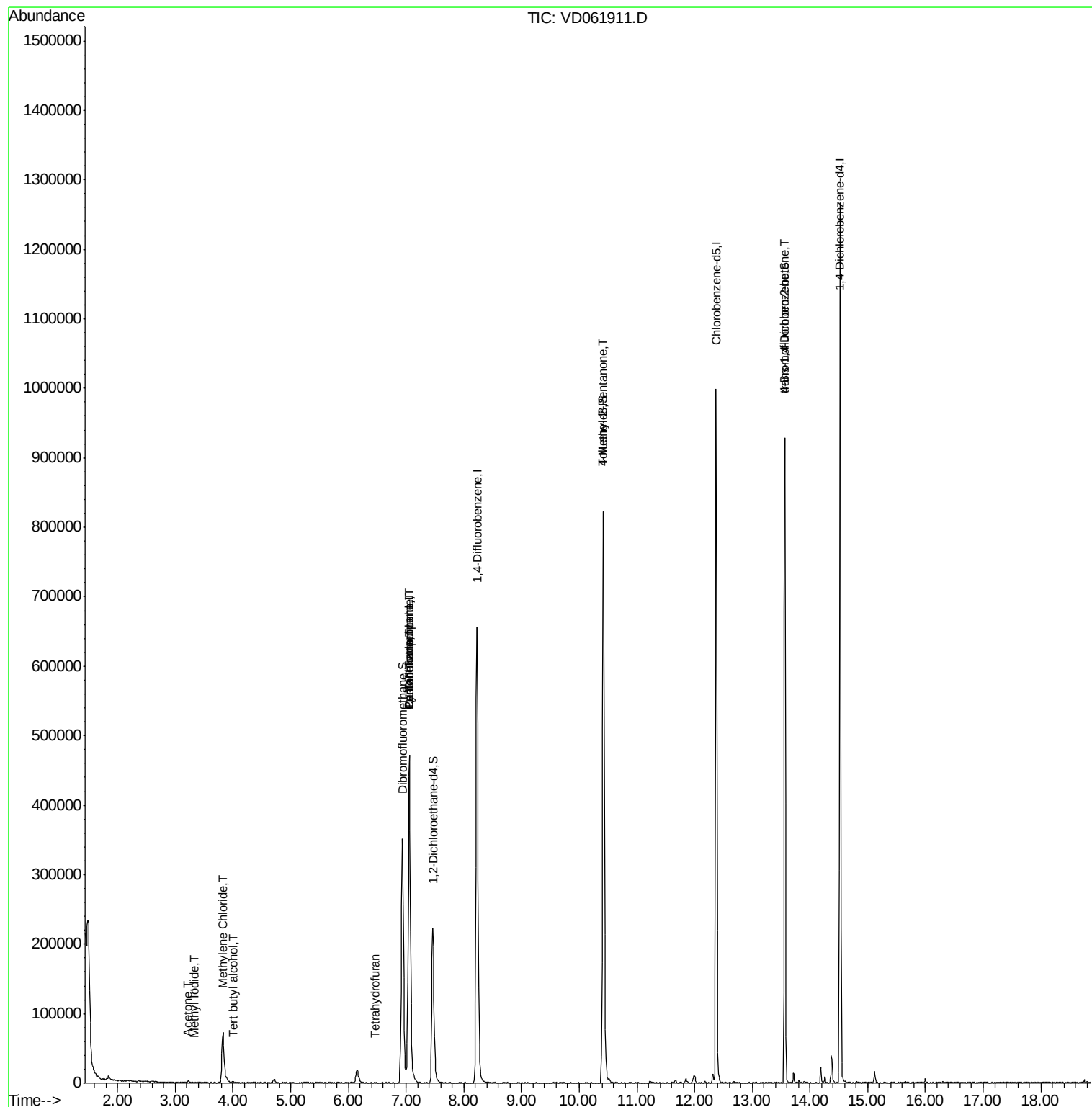
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	2.16	94	994	Below Cal	#	12
10) Methyl Iodide	3.34	142	181	3.534	ug/l #	37
11) Tert butyl alcohol	4.01	59	1169	4.952	ug/l #	76
16) Acetone	3.22	43	5143	5.213	ug/l	93
20) Methylene Chloride	3.83	84	53117	6.874	ug/l	96
29) Tetrahydrofuran	6.47	42	969	1.771	ug/l #	30
31) Cyclohexane	7.05	56	8175	1.348	ug/l #	1
36) 1,1-Dichloropropene	7.05	75	34114	5.403	ug/l #	46
38) Carbon Tetrachloride	7.06	117	45329	5.685	ug/l #	14
51) 4-Methyl-2-Pentanone	10.41	43	3662	1.575	ug/l #	1
81) trans-1,4-Dichloro-2-buten	13.56	75	110082	81.250	ug/l #	16

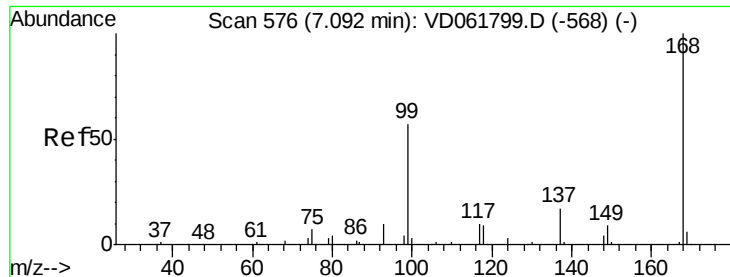
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_D\DATA\VD041919\
Data File : VD061911.D
Acq On : 19 Apr 2019 15:43
Operator : VA/AP
Sample : K2434-01
Misc : 6.09g/5ml/MSVOA_D/SOIL
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MSVOA_D
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RO-288

Quant Time: Apr 19 16:13:16 2019
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_D\METHOD\82D041519S.M
Quant Title : SW846 8260
QLast Update : Thu Apr 18 13:49:04 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.06 min Scan# 572

Delta R.T. 0.01 min

Lab File: VD061911.D

Acq: 19 Apr 2019 15:43

Instrument :

MSVOA_D

ClientSampled :

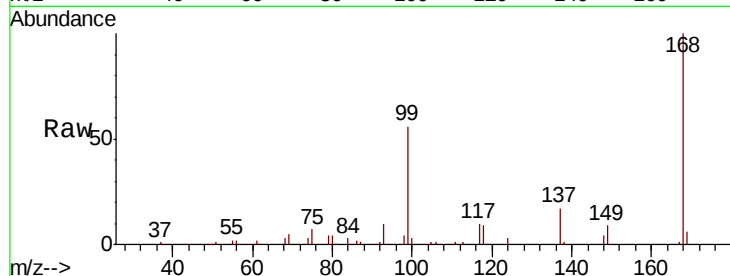
RO-288

Tgt Ion:168 Resp: 477656

Ion Ratio Lower Upper

168 100

99 56.0 46.5 69.7



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC

7.06

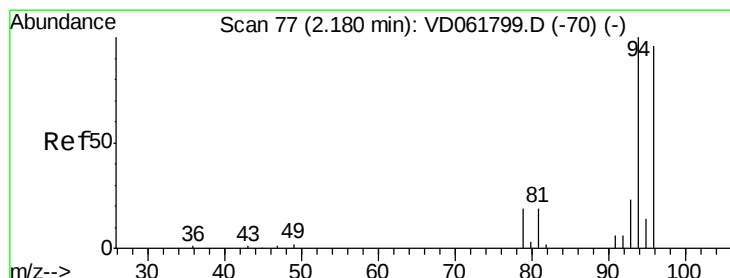
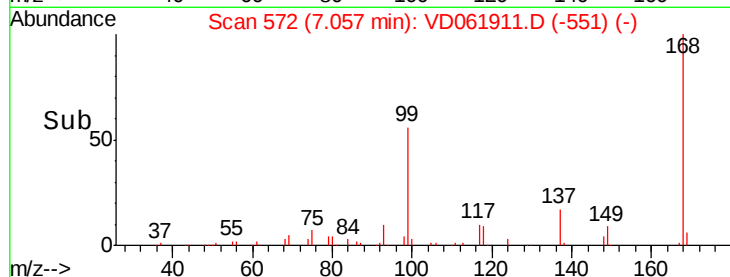
150000

100000

50000

0

Time--> 6.90 7.00 7.10 7.20 7.30



#5

Bromomethane

Concen: Below Cal

RT: 2.16 min Scan# 75

Delta R.T. 0.02 min

Lab File: VD061911.D

Acq: 19 Apr 2019 15:43

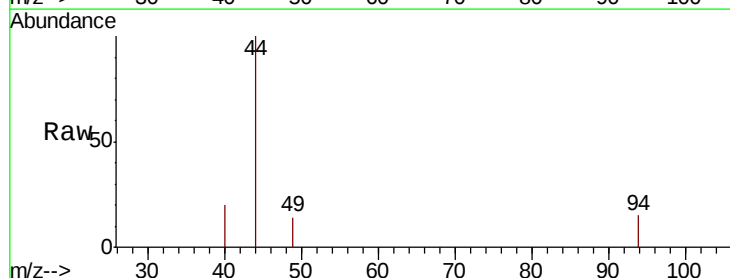
Tgt Ion: 94 Resp: 994

Ion Ratio Lower Upper

94 100

96 0.0 76.6 115.0#

93 0.0 18.5 27.7#



Abundance Ion 94.00 (93.70 to 94.70): VDC

Ion 96.00 (95.70 to 96.70): VDC

Ion 93.00 (92.70 to 93.70): VDC

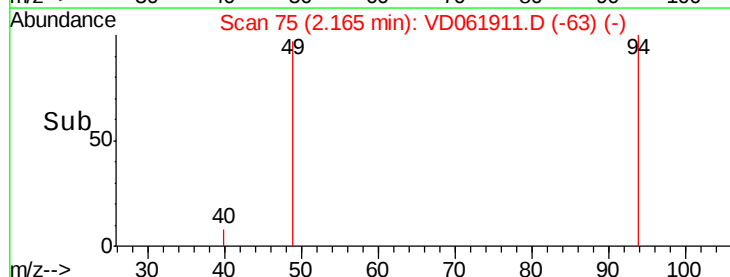
600

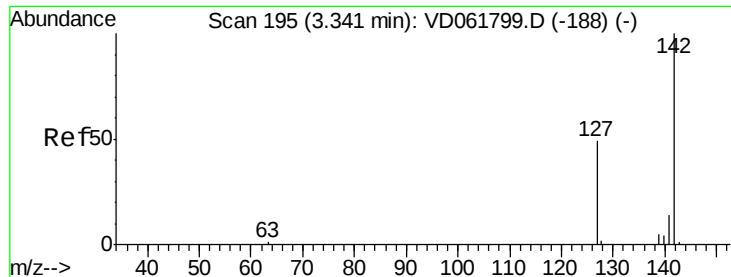
400

200

0

Time--> 2.10 2.15 2.20

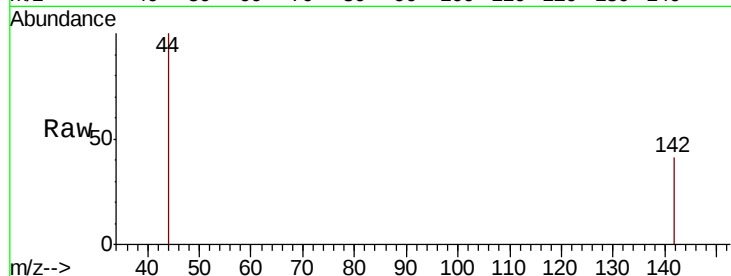




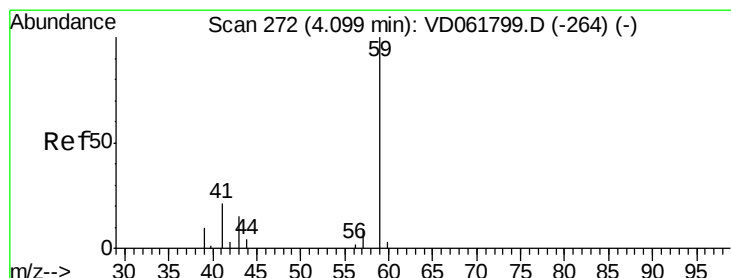
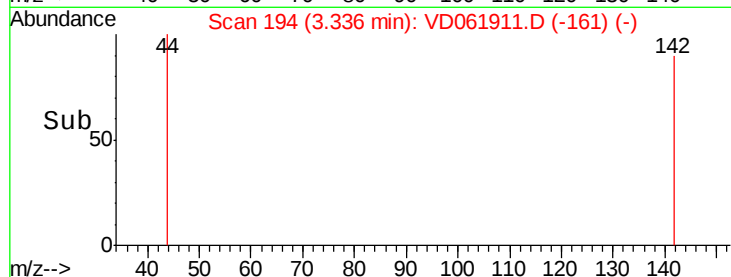
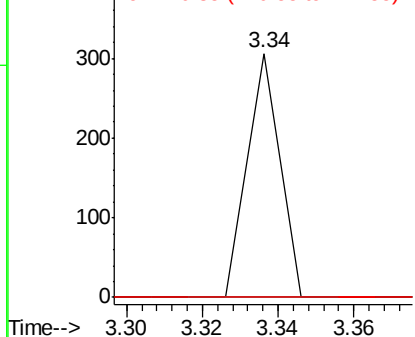
#10
Methyl Iodide
Concen: 3.534 ug/l
RT: 3.34 min Scan# 194
Delta R.T. 0.03 min
Lab File: VD061911.D
Acq: 19 Apr 2019 15:43

Instrument :
MSVOA_D
ClientSampleId :
RO-288

Tgt Ion: 142 Resp: 181
Ion Ratio Lower Upper
142 100
127 0.0 38.8 58.2#
141 0.0 11.4 17.0#

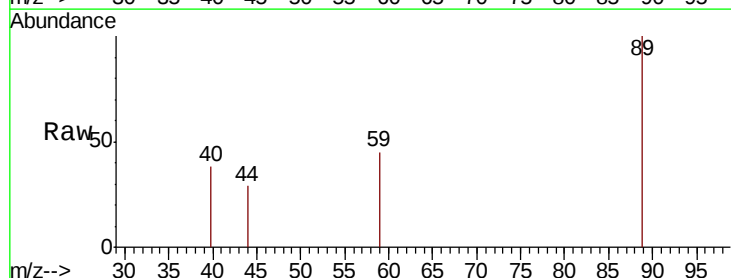


Abundance Ion 141.85 (141.55 to 142.55): V
Ion 126.80 (126.50 to 127.50): V
Ion 140.85 (140.55 to 141.55): V

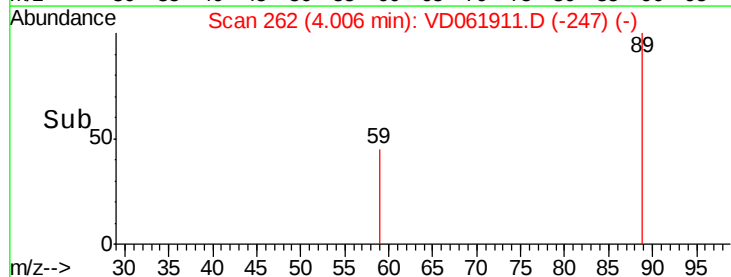
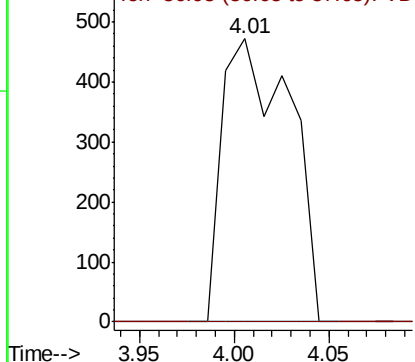


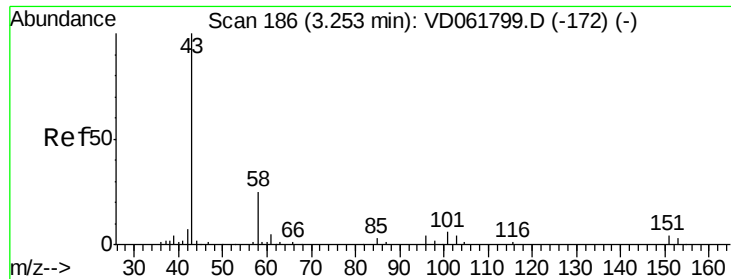
#11
Tert butyl alcohol
Concen: 4.952 ug/l
RT: 4.01 min Scan# 262
Delta R.T. -0.05 min
Lab File: VD061911.D
Acq: 19 Apr 2019 15:43

Tgt Ion: 59 Resp: 1169
Ion Ratio Lower Upper
59 100
57 0.0 6.9 10.3#



Abundance Ion 58.95 (58.65 to 59.65): V
Ion 56.95 (56.65 to 57.65): V





#16

Acetone

Concen: 5.213 ug/l

RT: 3.22 min Scan# 182

Delta R.T. 0.01 min

Lab File: VD061911.D

Acq: 19 Apr 2019 15:43

Instrument :

MSVOA_D

ClientSampleId :

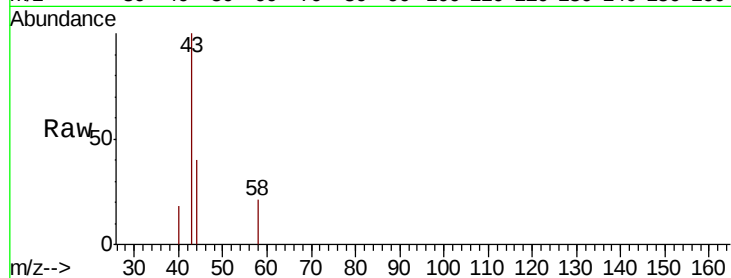
RO-288

Tgt Ion: 43 Resp: 5143

Ion Ratio Lower Upper

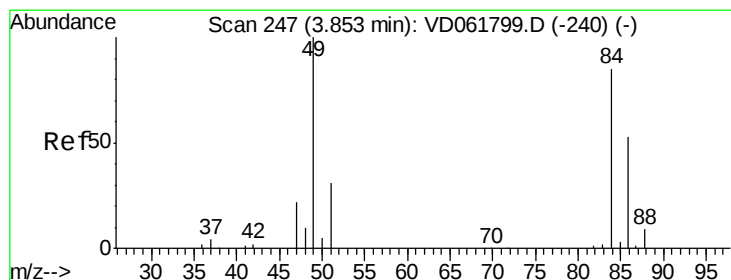
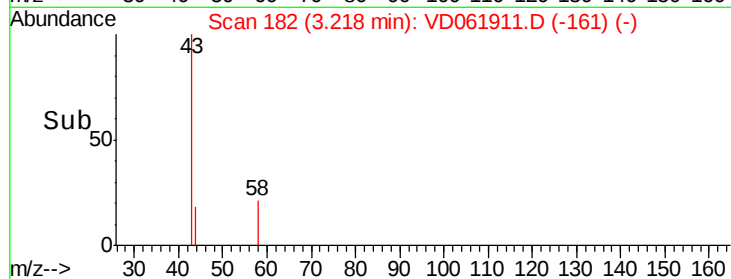
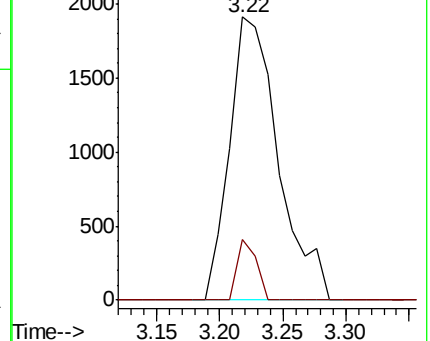
43 100

58 21.4 19.9 29.9



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC



#20

Methylene Chloride

Concen: 6.874 ug/l

RT: 3.83 min Scan# 244

Delta R.T. 0.02 min

Lab File: VD061911.D

Acq: 19 Apr 2019 15:43

Tgt Ion: 84 Resp: 53117

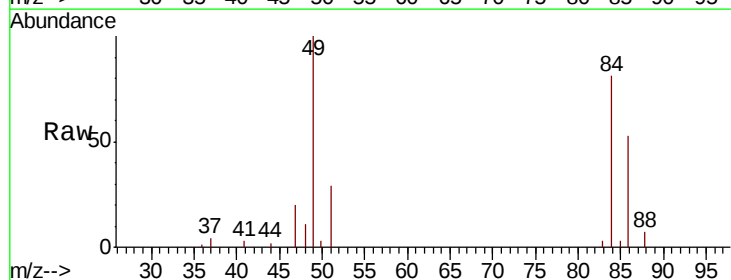
Ion Ratio Lower Upper

84 100

49 123.8 94.0 141.0

51 36.0 29.0 43.4

86 65.4 49.8 74.6

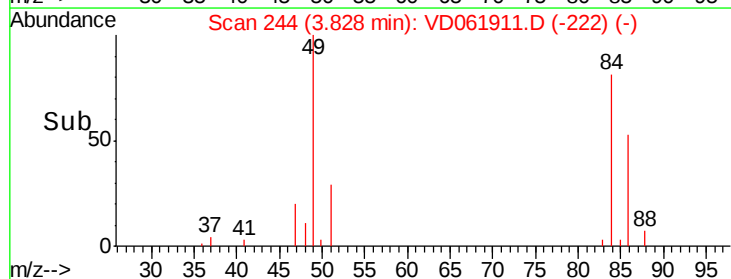
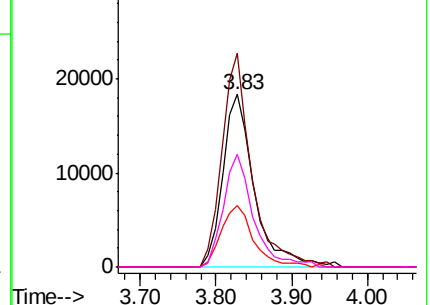


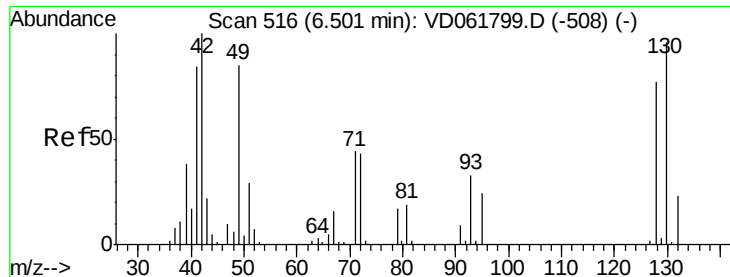
Abundance Ion 83.95 (83.65 to 84.65): VDC

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

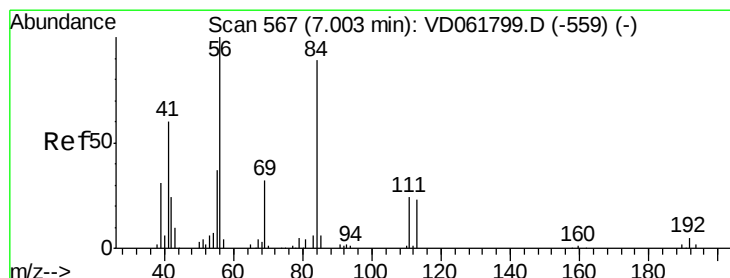
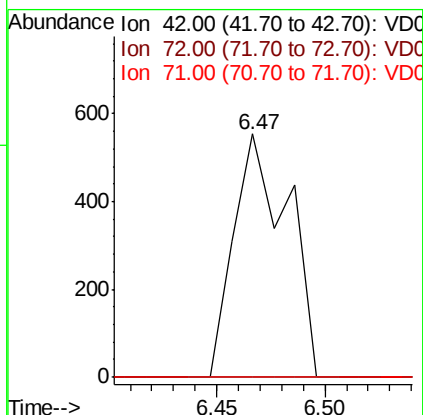
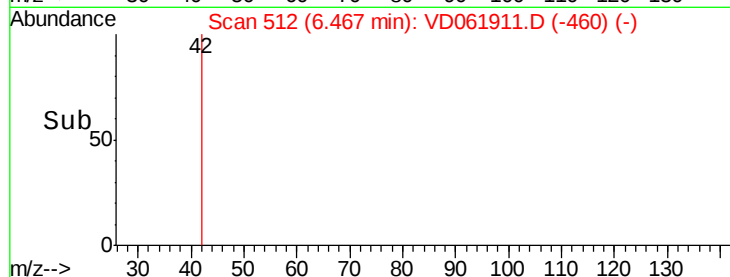
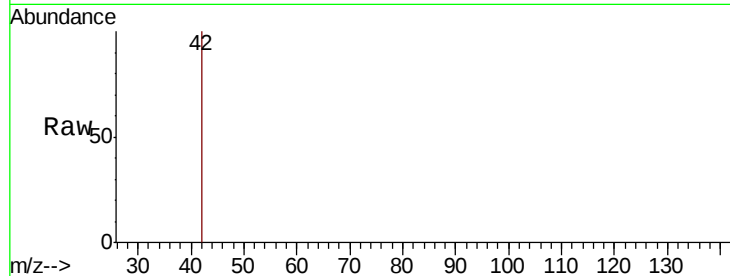




#29
Tetrahydrofuran
Concen: 1.771 ug/l
RT: 6.47 min Scan# 512
Delta R.T. 0.02 min
Lab File: VD061911.D
Acq: 19 Apr 2019 15:43

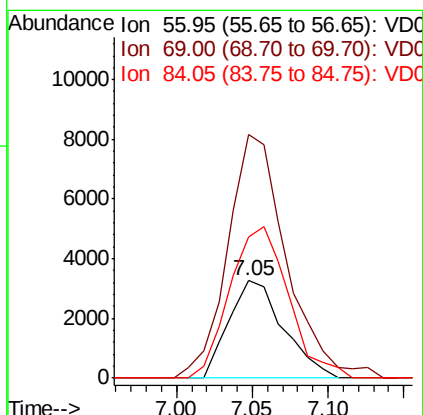
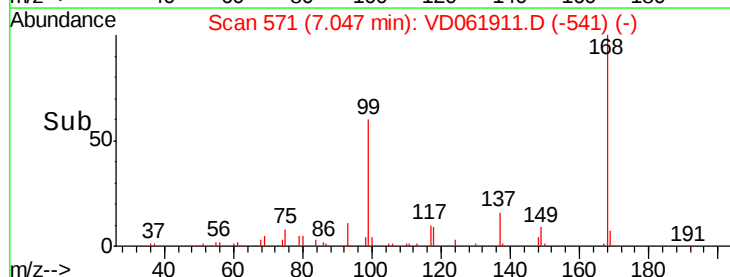
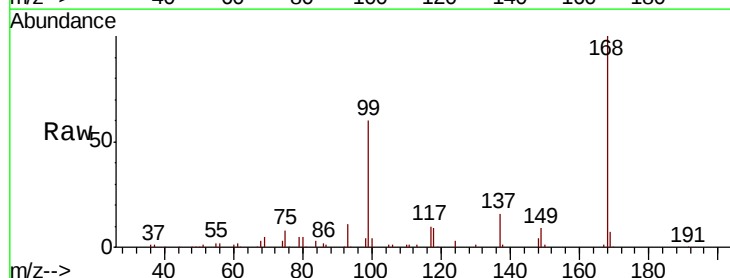
Instrument :
MSVOA_D
ClientSampleId :
RO-288

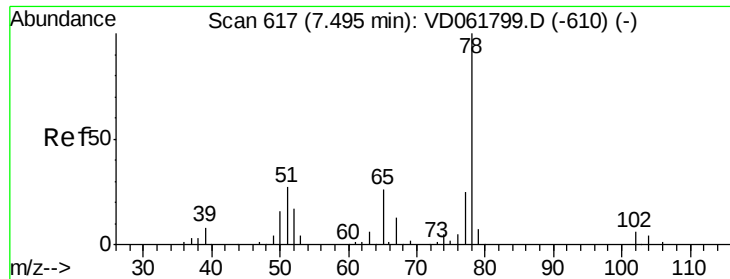
Tgt Ion: 42 Resp: 969
Ion Ratio Lower Upper
42 100
72 0.0 37.8 56.6#
71 0.0 36.7 55.1#



#31
Cyclohexane
Concen: 1.348 ug/l
RT: 7.05 min Scan# 571
Delta R.T. 0.09 min
Lab File: VD061911.D
Acq: 19 Apr 2019 15:43

Tgt Ion: 56 Resp: 8175
Ion Ratio Lower Upper
56 100
69 250.6 25.8 38.6#
84 145.2 72.2 108.4#





#33

1,2-Dichloroethane-d4

Concen: N.D. ug/l

RT: 7.46 min Scan# 613

Delta R.T. 0.01 min

Lab File: VD061911.D

Acq: 19 Apr 2019 15:43

Instrument :

MSVOA_D

ClientSampleId :

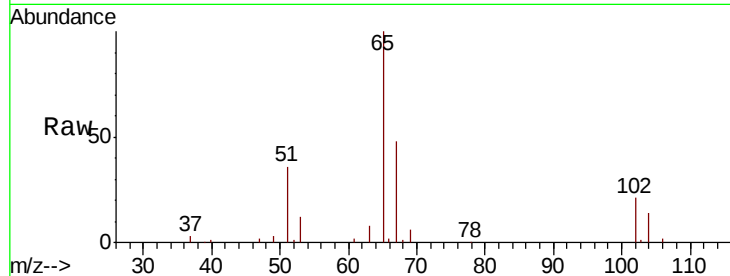
RO-288

Tgt Ion: 65 Resp: 225241

Ion Ratio Lower Upper

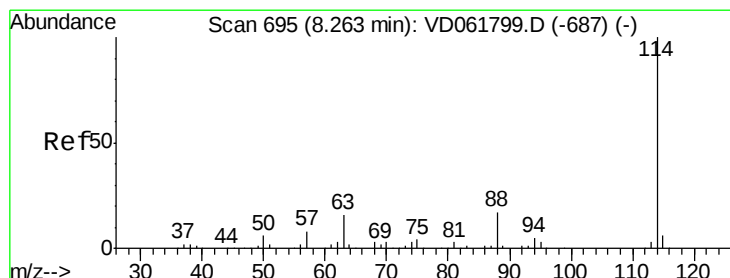
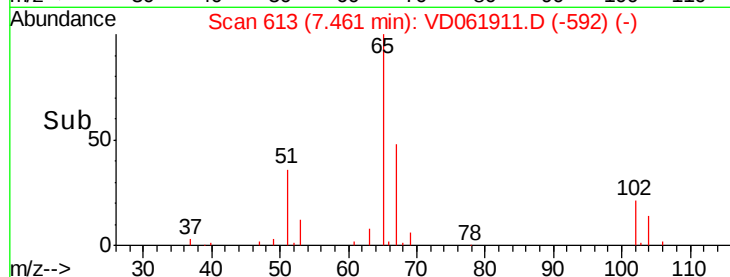
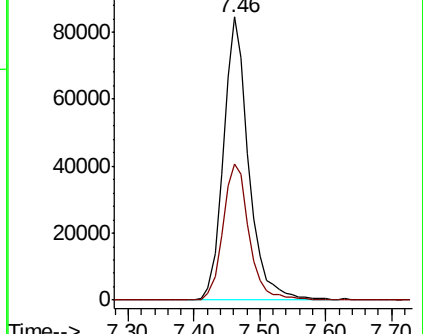
65 100

67 48.1 0.0 98.0



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: 8.23 min Scan# 691

Delta R.T. 0.01 min

Lab File: VD061911.D

Acq: 19 Apr 2019 15:43

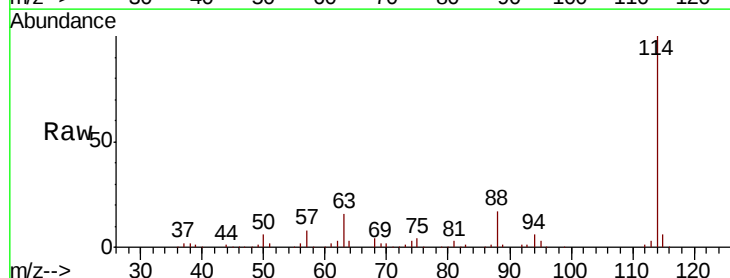
Tgt Ion: 114 Resp: 772697

Ion Ratio Lower Upper

114 100

63 16.5 0.0 32.4

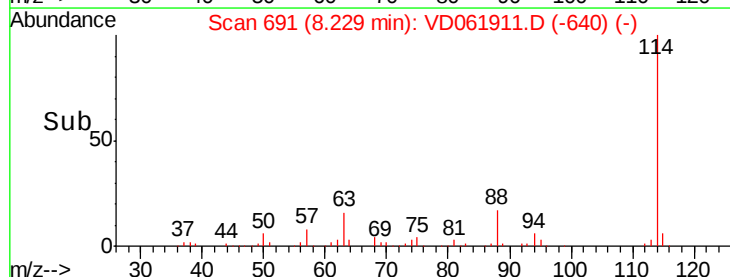
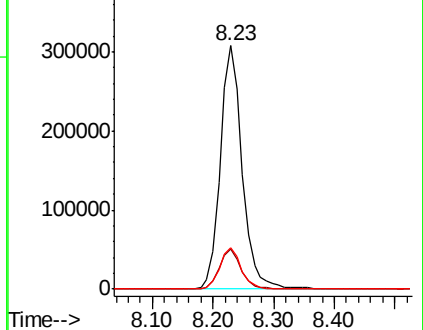
88 17.2 0.0 33.6

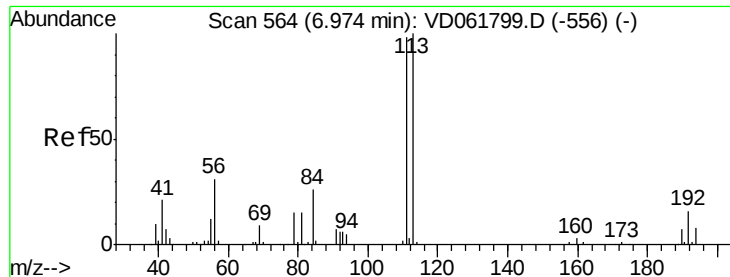


Abundance Ion 114.00 (113.70 to 114.70): V

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: 6.93 min Scan# 559

Delta R.T. 0.01 min

Lab File: VD061911.D

Acq: 19 Apr 2019 15:43

Instrument :

MSVOA_D

ClientSampleId :

RO-288

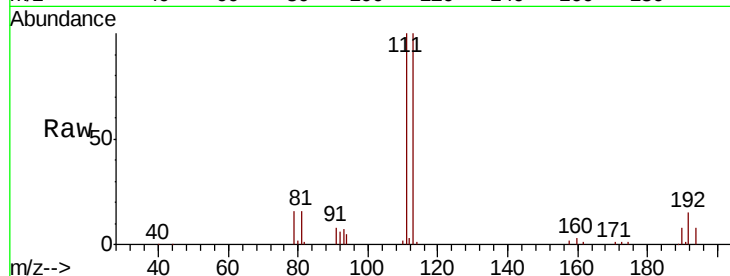
Tgt Ion:113 Resp: 331258

Ion Ratio Lower Upper

113 100

111 99.6 78.5 117.7

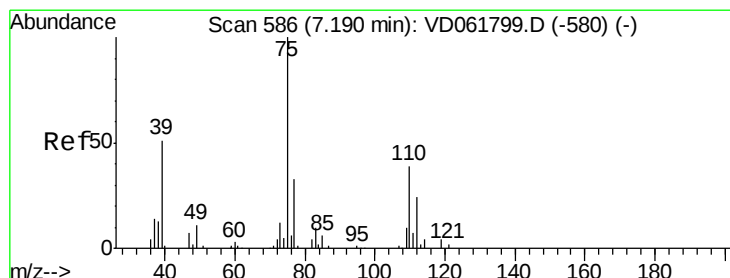
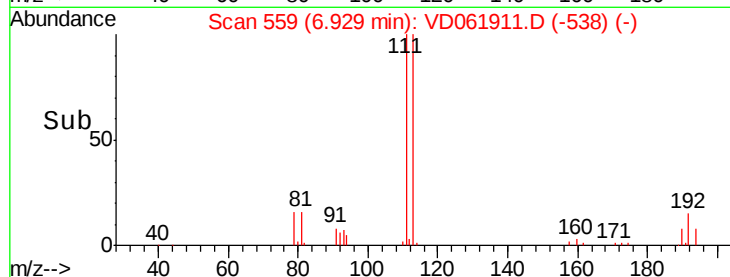
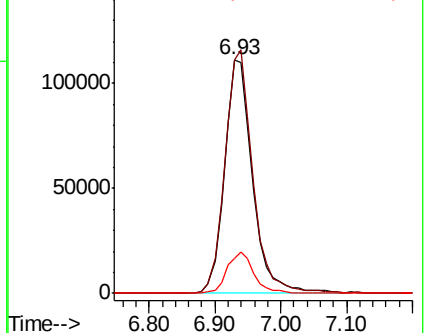
192 14.7 13.0 19.4



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: 5.403 ug/l

RT: 7.05 min Scan# 571

Delta R.T. -0.10 min

Lab File: VD061911.D

Acq: 19 Apr 2019 15:43

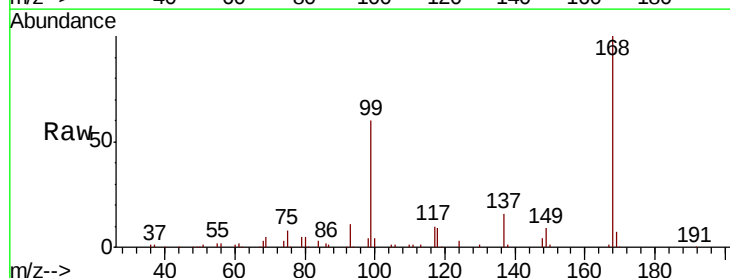
Tgt Ion: 75 Resp: 34114

Ion Ratio Lower Upper

75 100

110 6.9 19.1 57.1#

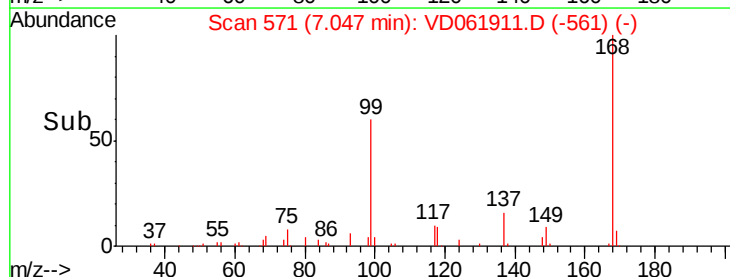
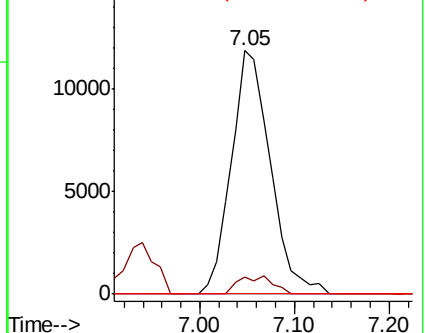
77 0.0 25.6 38.4#

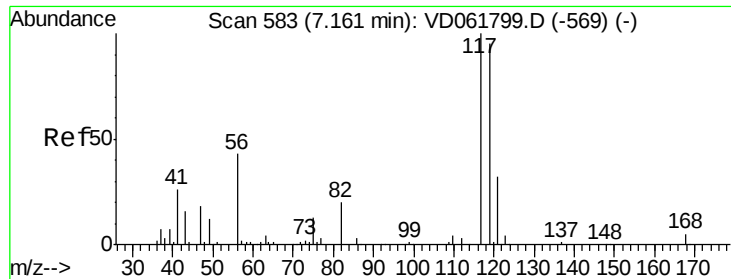


Abundance Ion 75.00 (74.70 to 75.70): V

Ion 109.90 (109.60 to 110.60): V

Ion 76.95 (76.65 to 77.65): V





#38

Carbon Tetrachloride

Concen: 5.685 ug/l

RT: 7.06 min Scan# 572

Delta R.T. -0.05 min

Lab File: VD061911.D

Acq: 19 Apr 2019 15:43

Instrument :

MSVOA_D

ClientSampleId :

RO-288

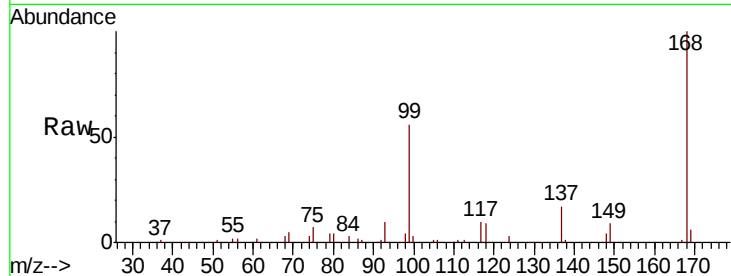
Tgt Ion:117 Resp: 45329

Ion Ratio Lower Upper

117 100

119 2.4 75.8 113.8#

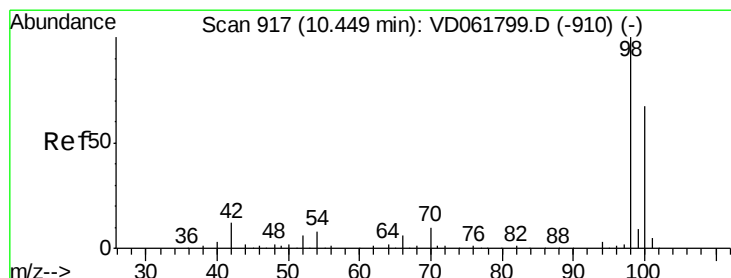
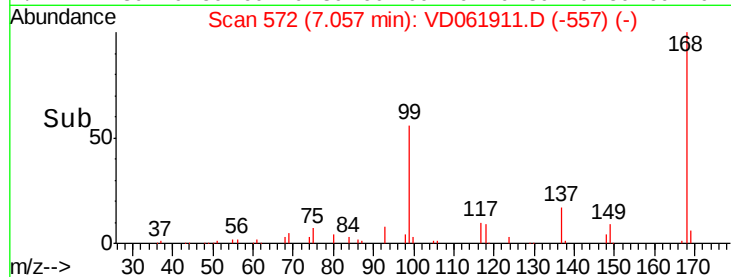
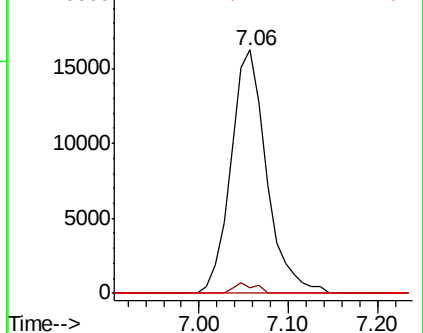
121 0.0 25.9 38.9#



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



#50

Toluene-d8

Concen: N.D. ug/l

RT: 10.41 min Scan# 913

Delta R.T. 0.01 min

Lab File: VD061911.D

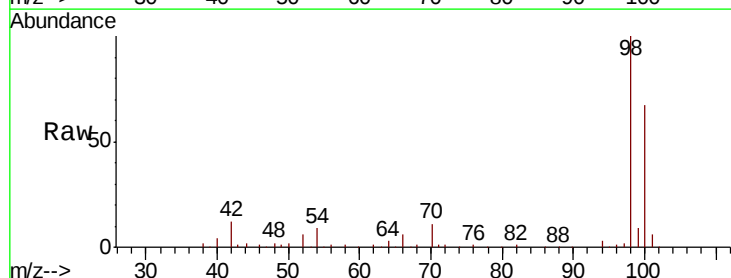
Acq: 19 Apr 2019 15:43

Tgt Ion: 98 Resp: 748607

Ion Ratio Lower Upper

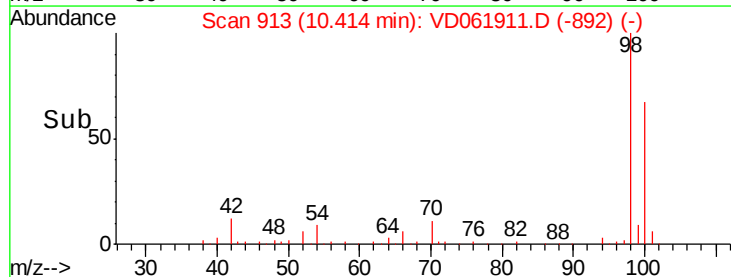
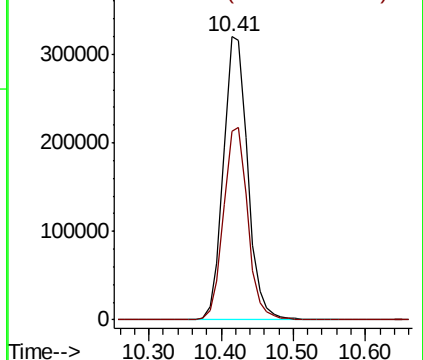
98 100

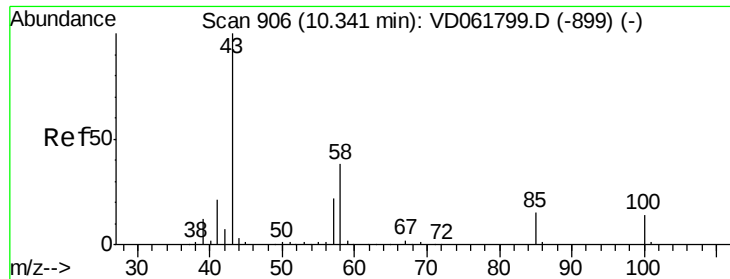
100 66.5 53.8 80.8



Abundance Ion 98.05 (97.75 to 98.75): V

Ion 100.05 (99.75 to 100.75): V

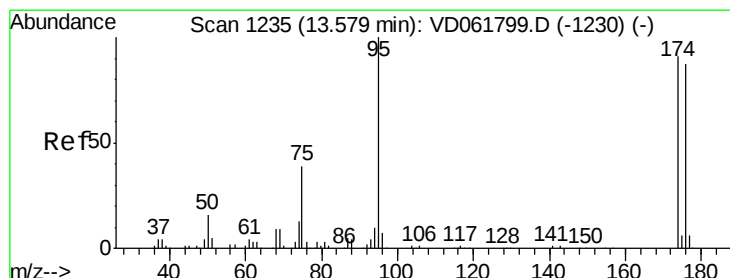
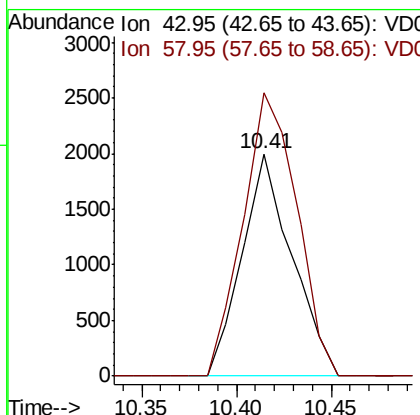
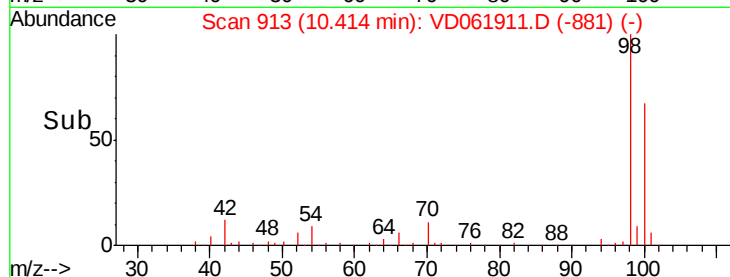
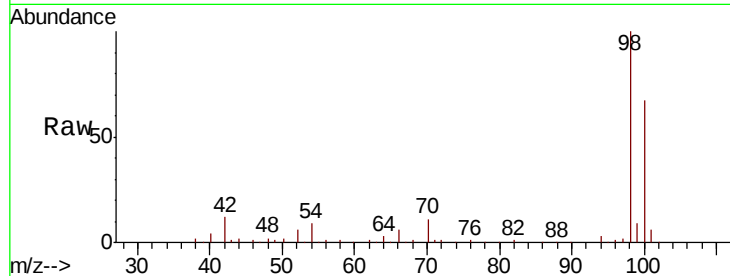




#51
 4-Methyl-2-Pentanone
 Concen: 1.575 ug/l
 RT: 10.41 min Scan# 913
 Delta R.T. 0.11 min
 Lab File: VD061911.D
 Acq: 19 Apr 2019 15:43

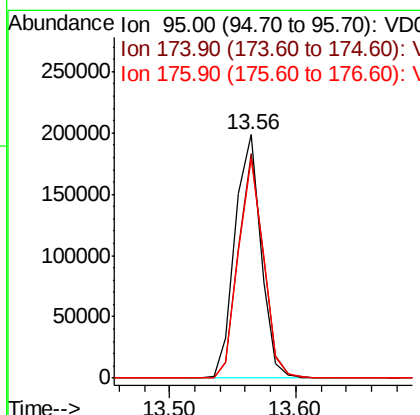
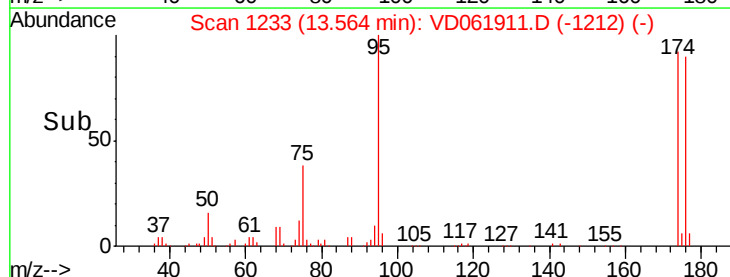
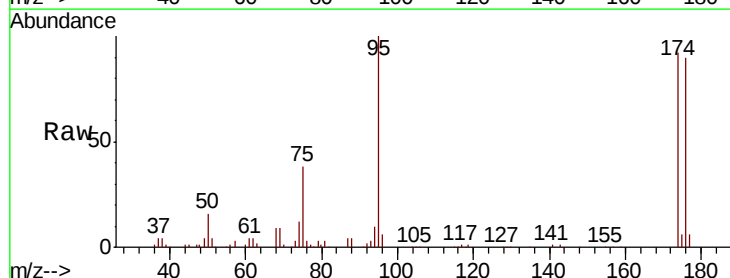
Instrument :
 MSVOA_D
 ClientSampleId :
 RO-288

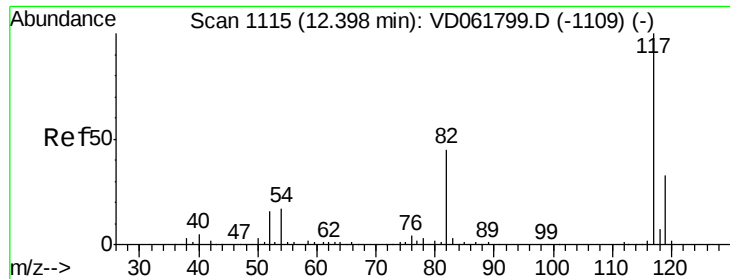
Tgt Ion: 43 Resp: 3662
 Ion Ratio Lower Upper
 43 100
 58 127.5 30.4 45.6#



#62
 4-Bromofluorobenzene
 Concen: N.D. ug/l
 RT: 13.56 min Scan# 1233
 Delta R.T. 0.01 min
 Lab File: VD061911.D
 Acq: 19 Apr 2019 15:43

Tgt Ion: 95 Resp: 281459
 Ion Ratio Lower Upper
 95 100
 174 92.4 0.0 181.8
 176 90.1 0.0 174.4

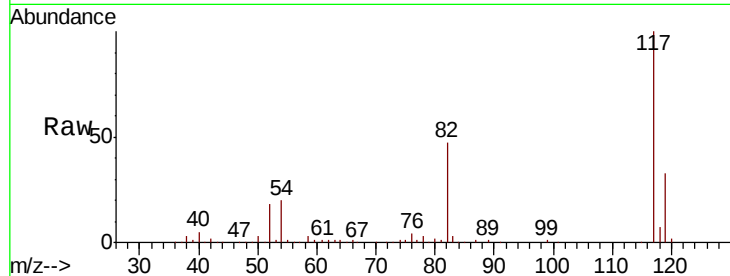




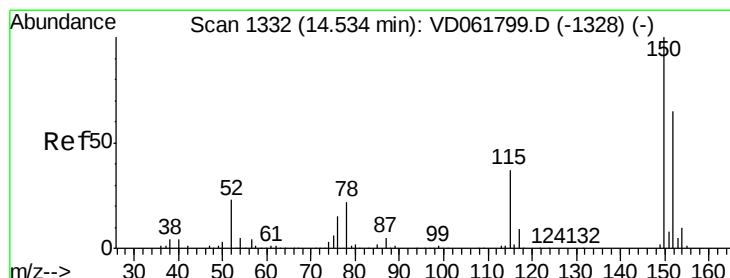
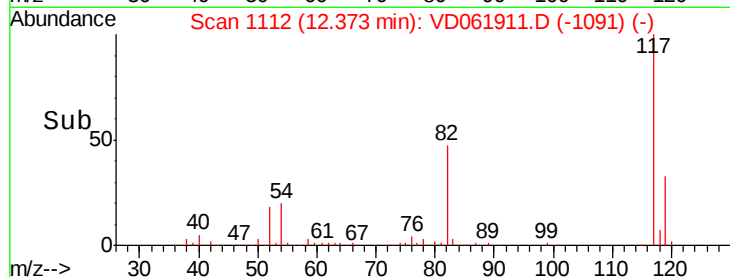
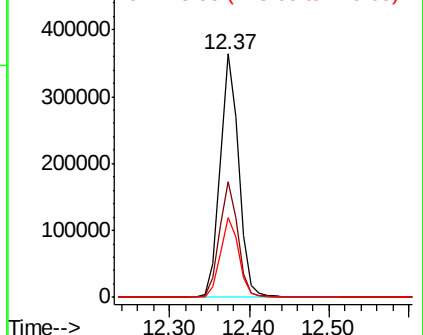
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 12.37 min Scan# 1112
Delta R.T. 0.01 min
Lab File: VD061911.D
Acq: 19 Apr 2019 15:43

Instrument :
MSVOA_D
ClientSampleID :
RO-288

Tgt Ion:117 Resp: 601986
Ion Ratio Lower Upper
117 100
82 47.5 36.2 54.2
119 32.6 26.2 39.4

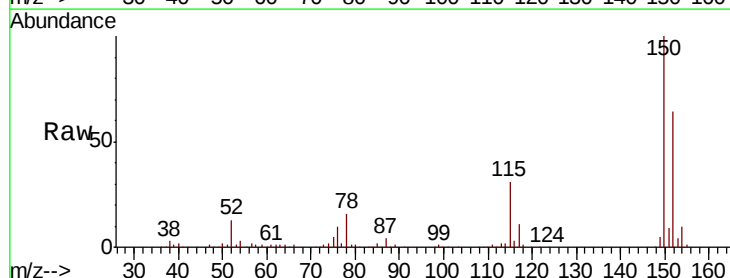


Abundance Ion 116.95 (116.65 to 117.65): V
Ion 82.05 (81.75 to 82.75): V
Ion 118.95 (118.65 to 119.65): V

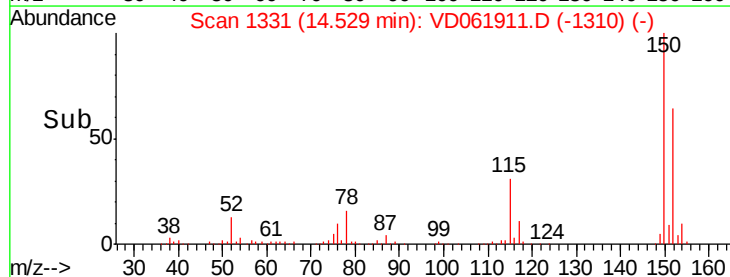
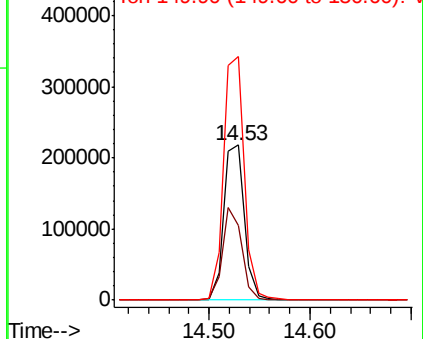


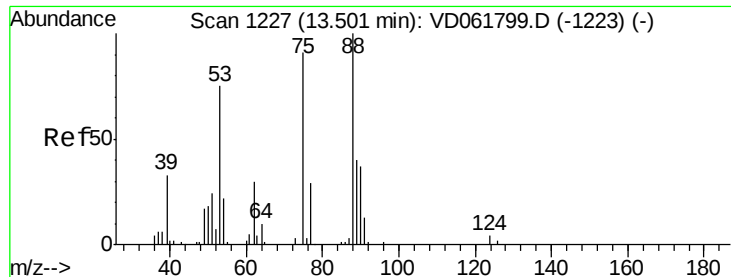
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 14.53 min Scan# 1331
Delta R.T. 0.01 min
Lab File: VD061911.D
Acq: 19 Apr 2019 15:43

Tgt Ion:152 Resp: 309813
Ion Ratio Lower Upper
152 100
115 48.2 30.9 92.7
150 157.4 0.0 314.8



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: 81.250 ug/l

RT: 13.56 min Scan# 1233

Delta R.T. 0.09 min

Lab File: VD061911.D

Acq: 19 Apr 2019 15:43

Instrument :

MSVOA_D

ClientSampleId :

RO-288

Tgt Ion: 75 Resp: 110082

Ion Ratio Lower Upper

75 100

53 0.0 65.8 98.8#

89 0.0 35.0 52.6#

