

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD041719\
 Data File : VD061860.D
 Acq On : 17 Apr 2019 18:43
 Operator : VA/AP
 Sample : K2358-14RE
 Misc : 4.63g/5ml/MSVOA D/SOIL
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 TP-7-D2RE

Quant Time: Apr 18 01:07:38 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D041519S.M
 Quant Title : SW846 8260
 QLast Update : Tue Apr 16 08:53:01 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.03	168	8568	50.00	ug/l	-0.06
34) 1,4-Difluorobenzene	8.20	114	17654	50.00	ug/l	-0.06
63) Chlorobenzene-d5	12.36	117	15686	50.00	ug/l	-0.04
72) 1,4-Dichlorobenzene-d4	14.51	152	5562	50.00	ug/l	-0.02

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	7.44	65	6923	96.41	ug/l	-0.06
Spiked Amount			Recovery	=	192.82%	
35) Dibromofluoromethane	6.90	113	6247	46.84	ug/l	-0.07
Spiked Amount			Recovery	=	93.68%	
50) Toluene-d8	10.40	98	14510	45.91	ug/l	-0.05
Spiked Amount			Recovery	=	91.82%	
62) 4-Bromofluorobenzene	13.55	95	5289	41.29	ug/l	-0.03
Spiked Amount			Recovery	=	82.58%	

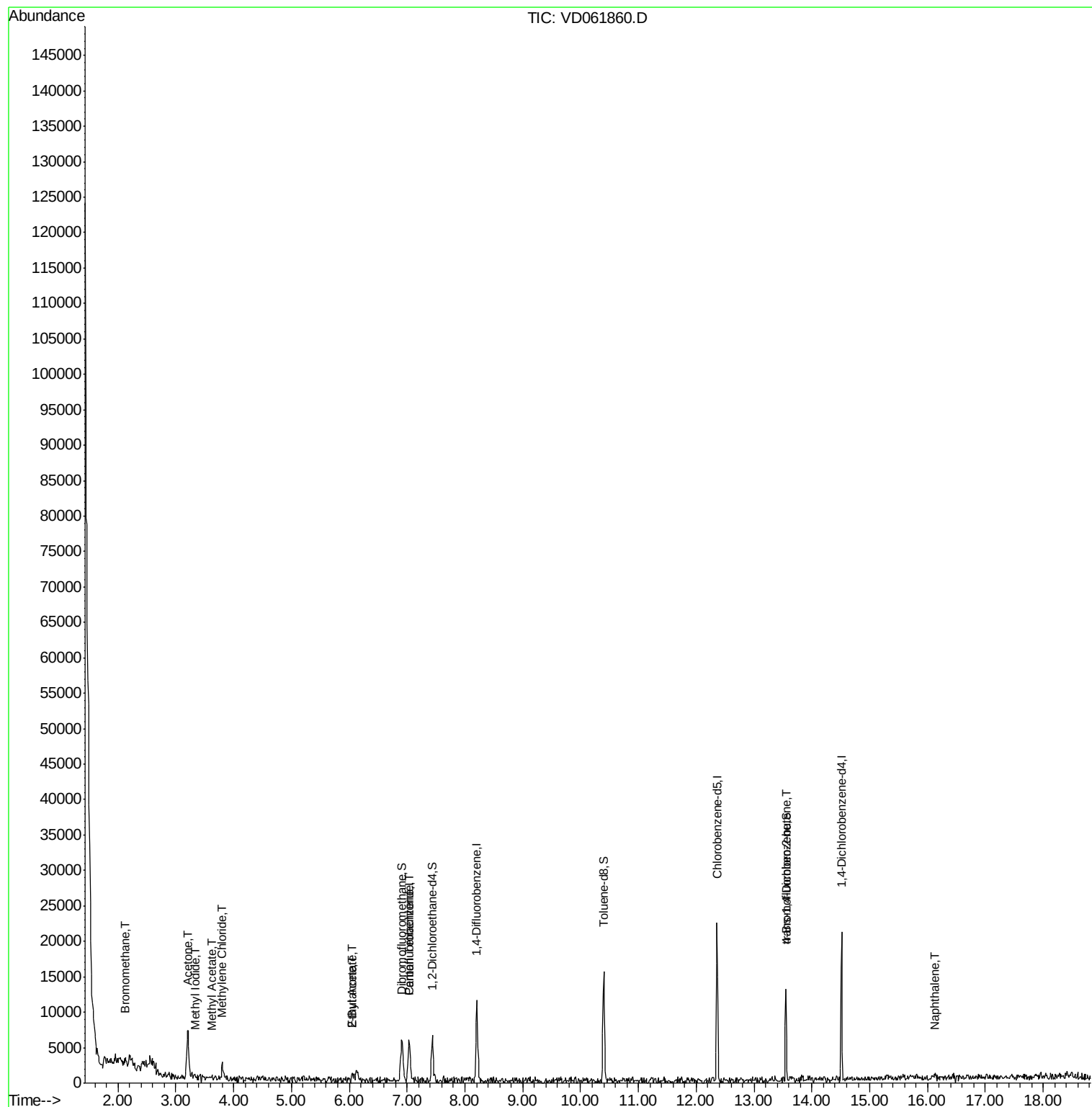
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	2.13	94	242	13.673	ug/l #	12
10) Methyl Iodide	3.33	142	182	4.623	ug/l #	37
16) Acetone	3.20	43	14522	820.546	ug/l #	87
18) Methyl Acetate	3.63	43	188	5.300	ug/l #	53
20) Methylene Chloride	3.80	84	1154	9.393	ug/l #	86
25) 2-Butanone	6.05	43	2499	124.028	ug/l #	56
37) Ethyl Acetate	6.05	43	2499	40.474	ug/l #	64
38) Carbon Tetrachloride	7.04	117	202	1.109	ug/l #	12
81) trans-1,4-Dichloro-2-buten	13.55	75	1468	61.208	ug/l #	16
95) Naphthalene	16.12	128	191	1.514	ug/l #	70

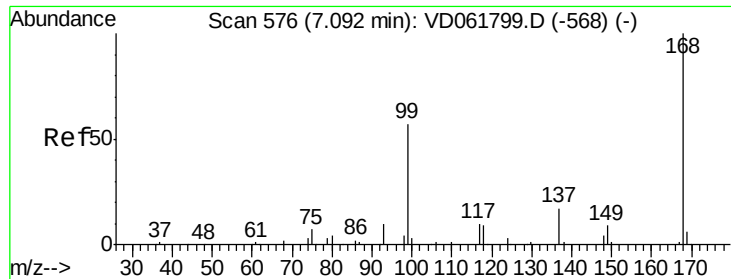
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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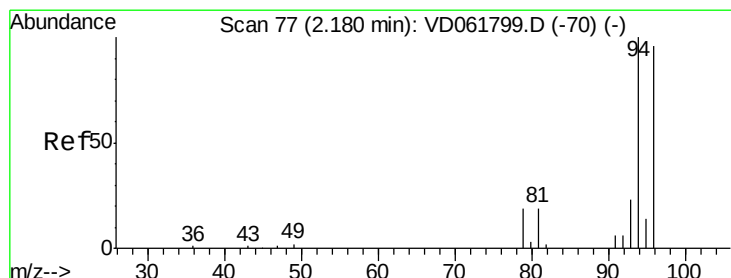
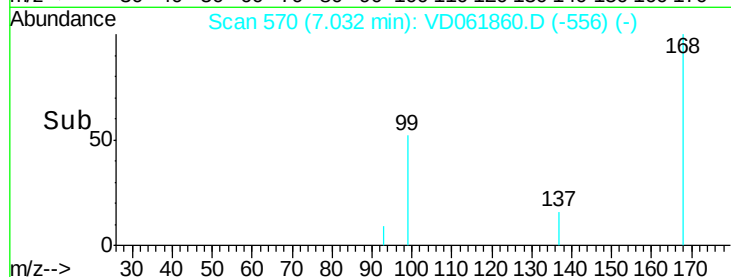
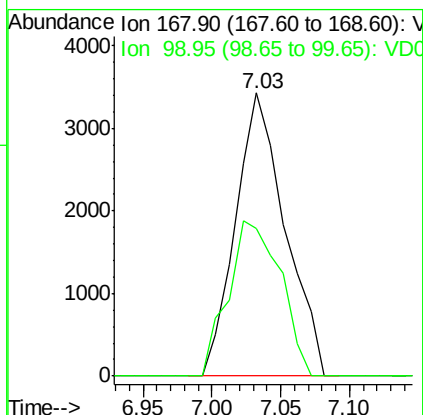
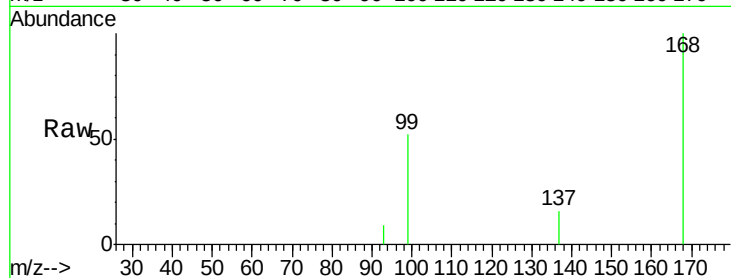




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.03 min Scan# 570
Delta R.T. -0.06 min
Lab File: VD061860.D
Acq: 17 Apr 2019 18:43

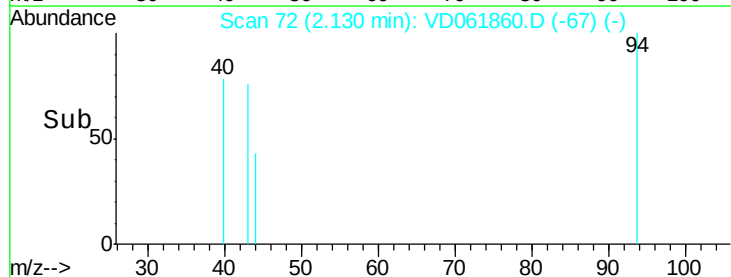
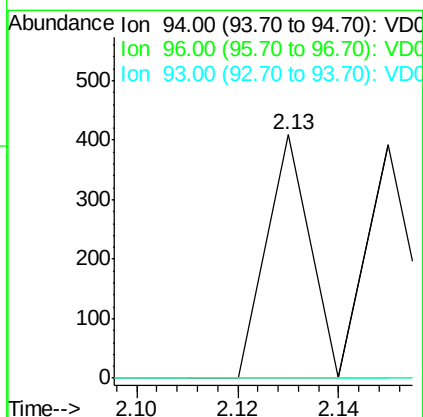
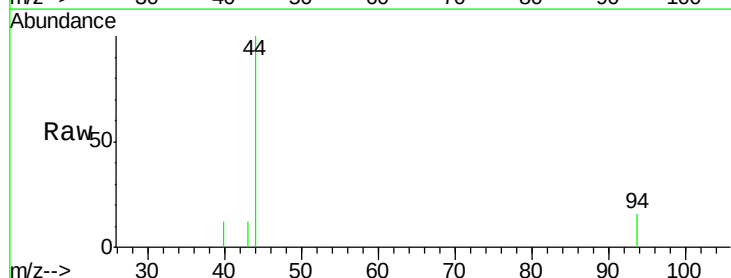
Instrument :
MSVOA_D
ClientSampleId :
TP-7-D2RE

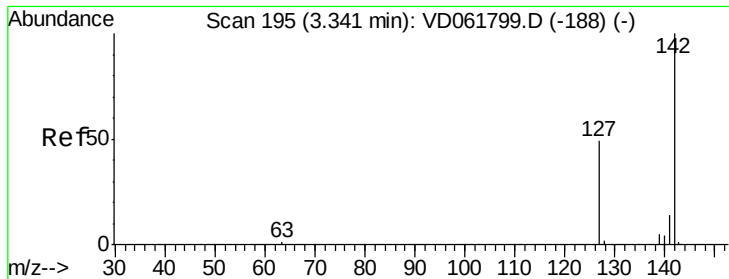
Tot Ion:168 Resp: 8568
Ion Ratio Lower Upper
168 100
99 52.3 46.5 69.7



#5
Bromomethane
Concen: 13.673 ug/l
RT: 2.13 min Scan# 72
Delta R.T. -0.05 min
Lab File: VD061860.D
Acq: 17 Apr 2019 18:43

Tgt Ion: 94 Resp: 242
Ion Ratio Lower Upper
94 100
96 0.0 76.6 115.0#
93 0.0 18.5 27.7#

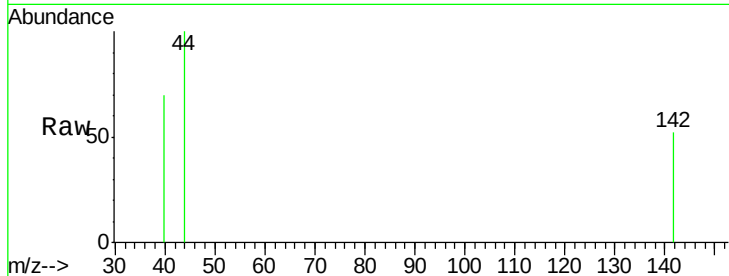




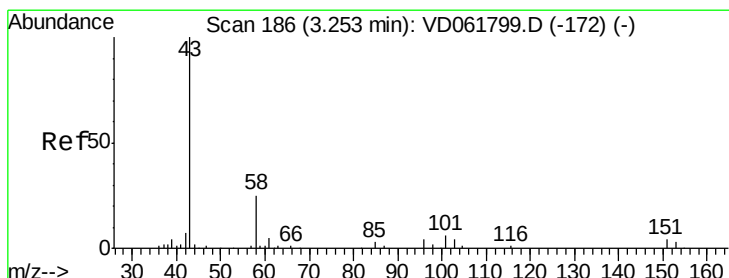
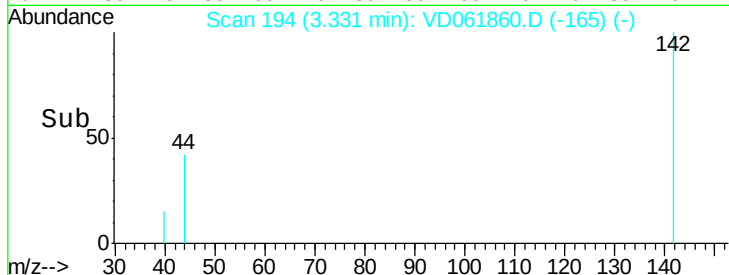
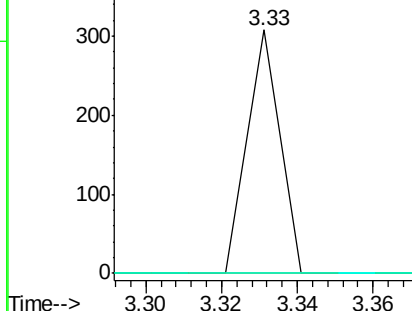
#10
Methvl Iodide
Concen: 4.623 ug/l
RT: 3.33 min Scan# 194
Delta R.T. -0.01 min
Lab File: VD061860.D
Acq: 17 Apr 2019 18:43

Instrument :
MSVOA_D
ClientSampleId :
TP-7-D2RE

Tot Ion:142 Resp: 182
Ion Ratio Lower Upper
142 100
127 0.0 38.8 58.2#
141 0.0 11.4 17.0#

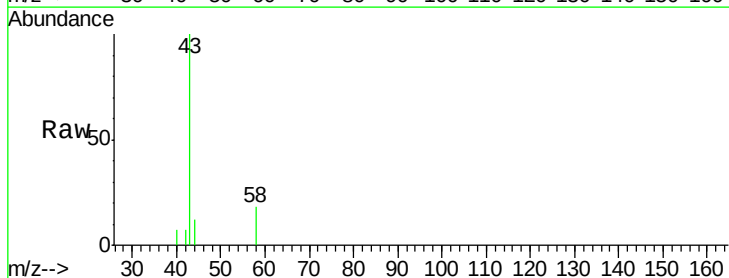


Abundance Ion 141.85 (141.55 to 142.55): V
Ion 126.80 (126.50 to 127.50): V
Ion 140.85 (140.55 to 141.55): V

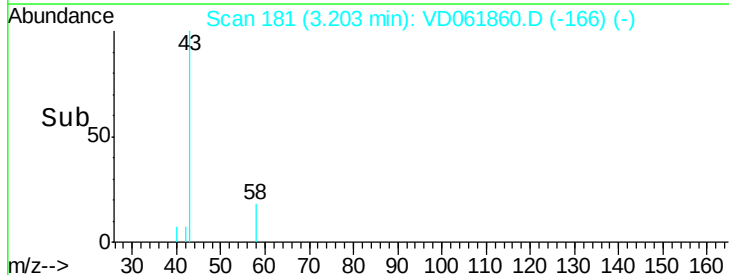
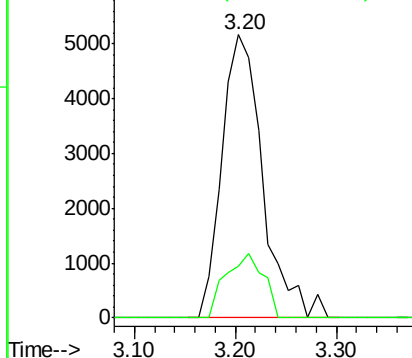


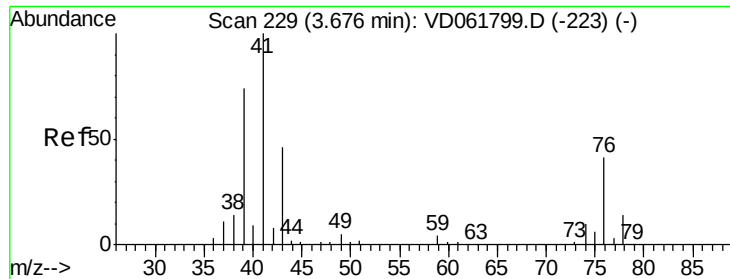
#16
Acetone
Concen: 820.546 ug/l
RT: 3.20 min Scan# 181
Delta R.T. -0.05 min
Lab File: VD061860.D
Acq: 17 Apr 2019 18:43

Tgt Ion: 43 Resp: 14522
Ion Ratio Lower Upper
43 100
58 18.5 19.9 29.9#



Abundance Ion 42.95 (42.65 to 43.65): VDC
Ion 57.95 (57.65 to 58.65): VDC

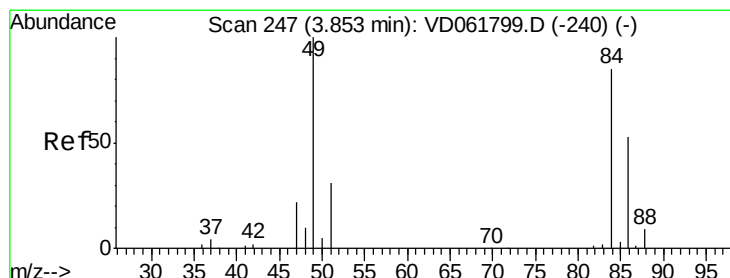
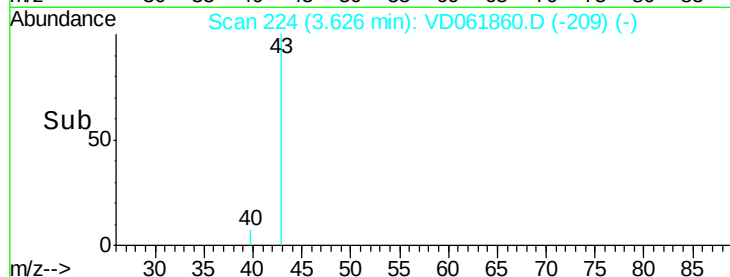
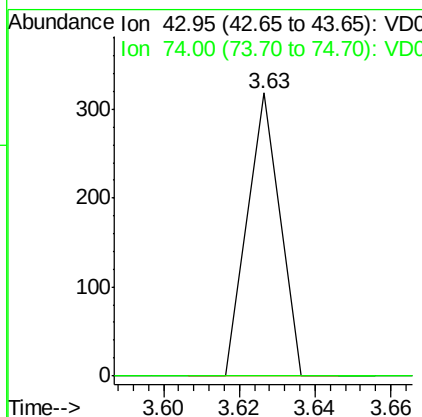
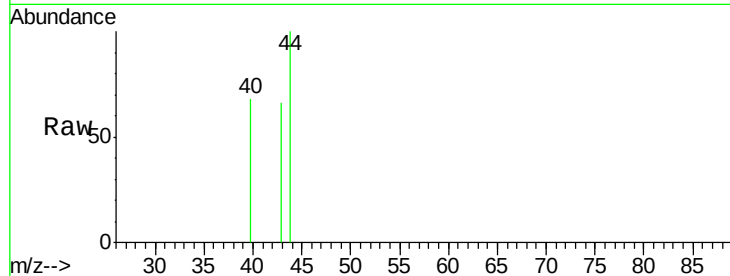




#18
Methyl Acetate
Concen: 5.300 ug/l
RT: 3.63 min Scan# 224
Delta R.T. -0.05 min
Lab File: VD061860.D
Acq: 17 Apr 2019 18:43

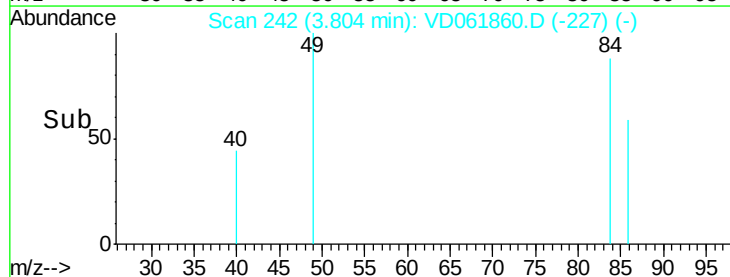
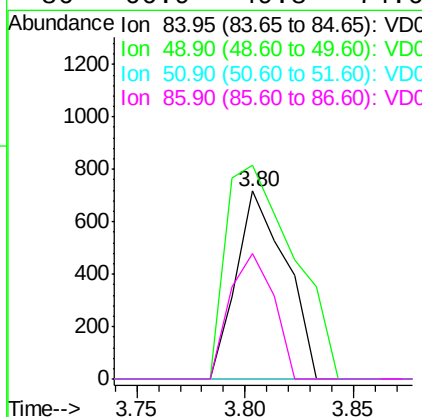
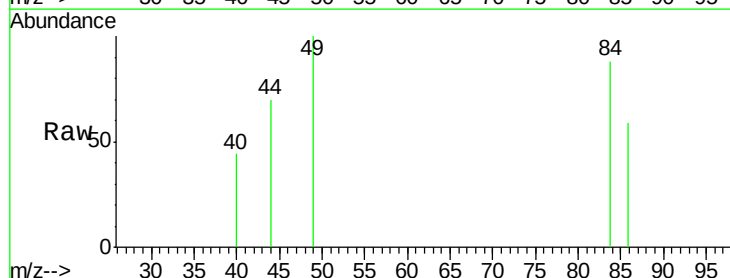
Instrument :
MSVOA_D
ClientSampleId :
TP-7-D2RE

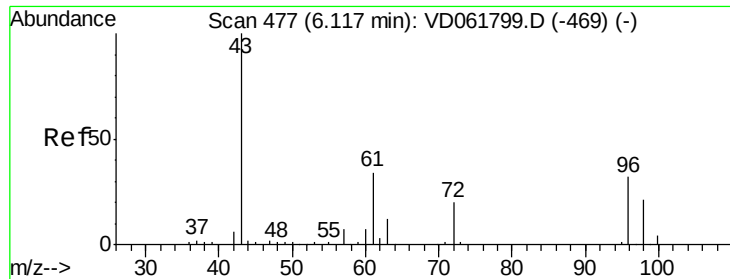
Tot Ion: 43 Resp: 188
Ion Ratio Lower Upper
43 100
74 0.0 18.0 27.0#



#20
Methylene Chloride
Concen: 9.393 ug/l
RT: 3.80 min Scan# 242
Delta R.T. -0.05 min
Lab File: VD061860.D
Acq: 17 Apr 2019 18:43

Tgt Ion: 84 Resp: 1154
Ion Ratio Lower Upper
84 100
49 113.7 94.0 141.0
51 0.0 29.0 43.4#
86 66.9 49.8 74.6





#25

2-Butanone

Concen: 124.028 ug/l

RT: 6.05 min Scan# 470

Delta R.T. -0.07 min

Lab File: VD061860.D

Acq: 17 Apr 2019 18:43

Instrument :

MSVOA_D

ClientSampleId :

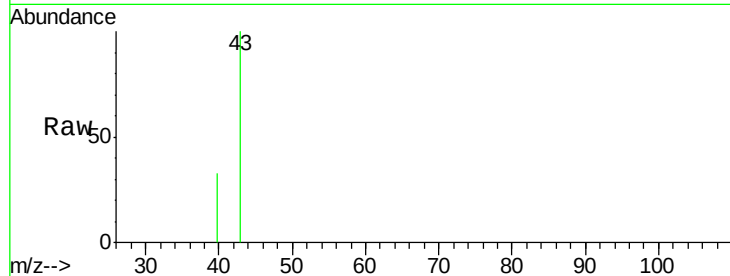
TP-7-D2RE

Tot Ion: 43 Resp: 2499

Ion Ratio Lower Upper

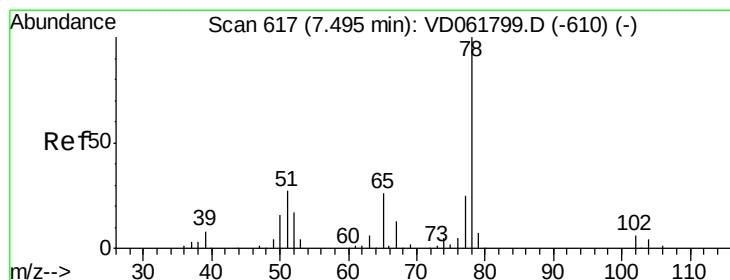
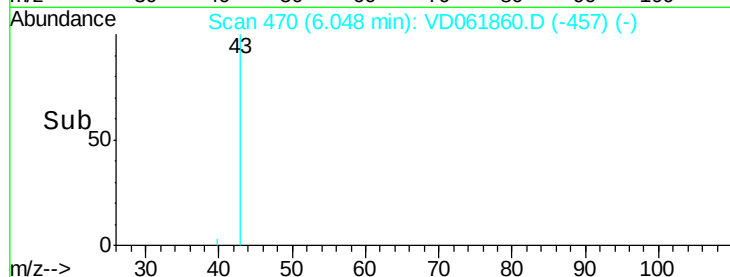
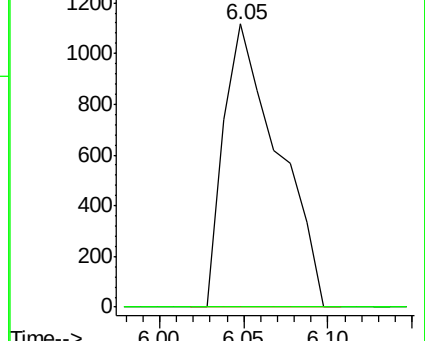
43 100

72 0.0 16.2 24.4#



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 72.00 (71.70 to 72.70): VDC



#33

1,2-Dichloroethane-d4

Concen: N.D. ug/l

RT: 7.44 min Scan# 611

Delta R.T. -0.06 min

Lab File: VD061860.D

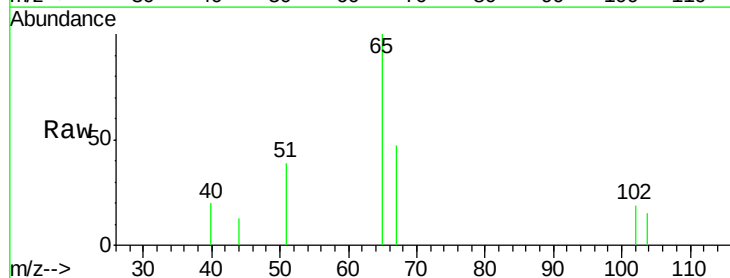
Acq: 17 Apr 2019 18:43

Tgt Ion: 65 Resp: 6923

Ion Ratio Lower Upper

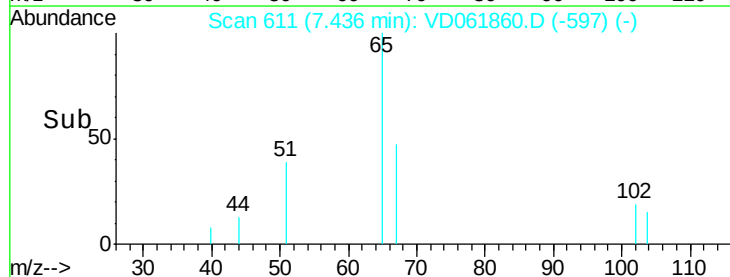
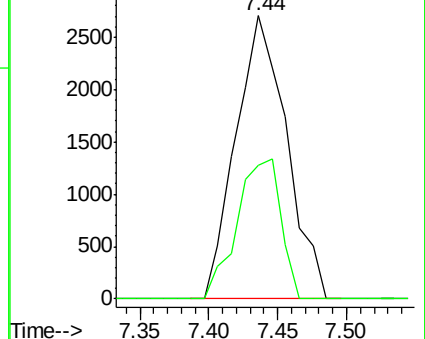
65 100

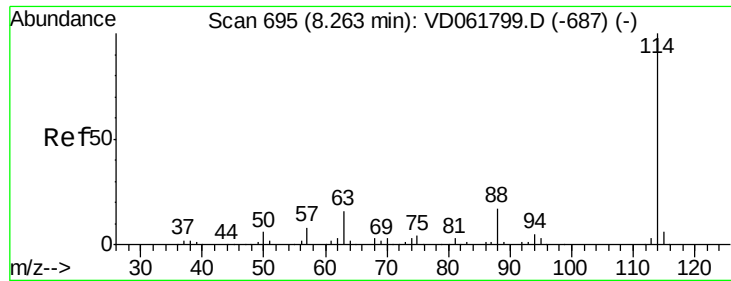
67 47.4 0.0 98.0



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: 8.20 min Scan# 689

Delta R.T. -0.06 min

Lab File: VD061860.D

Acq: 17 Apr 2019 18:43

Instrument :

MSVOA_D

ClientSampleId :

TP-7-D2RE

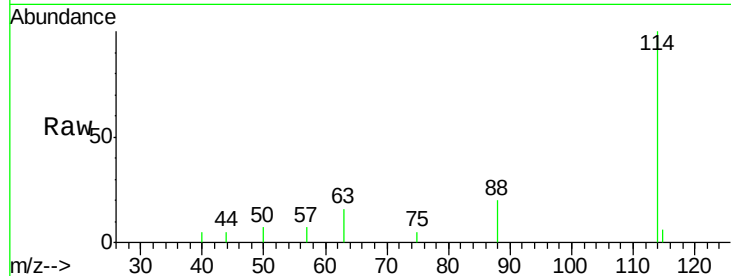
Tot Ion:114 Resp: 17654

Ion Ratio Lower Upper

114 100

63 15.9 0.0 32.4

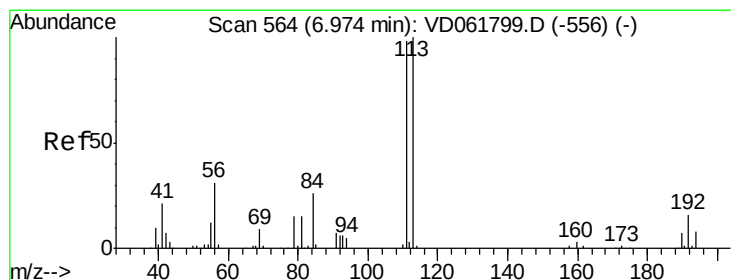
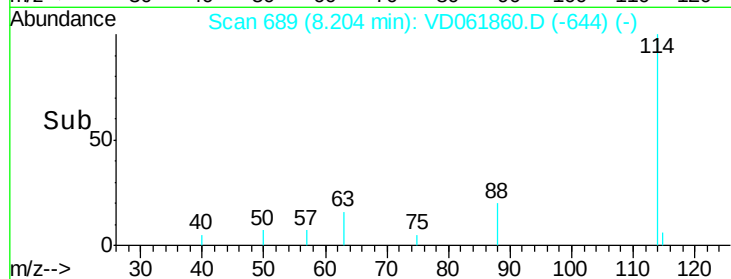
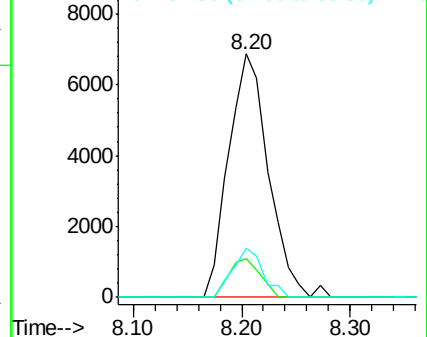
88 20.2 0.0 33.6



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: 6.90 min Scan# 557

Delta R.T. -0.07 min

Lab File: VD061860.D

Acq: 17 Apr 2019 18:43

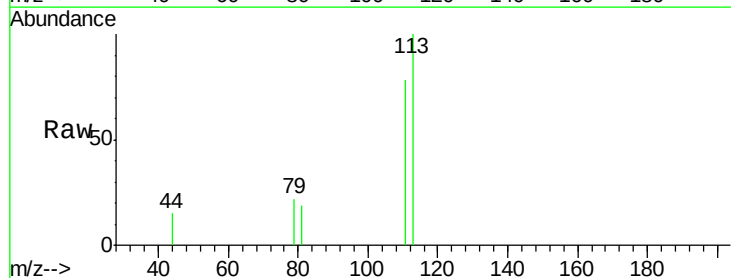
Tgt Ion:113 Resp: 6247

Ion Ratio Lower Upper

113 100

111 77.8 78.5 117.7#

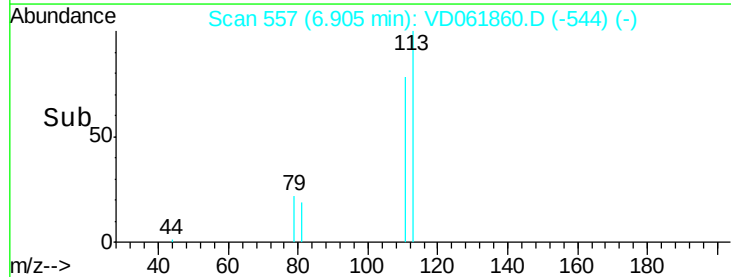
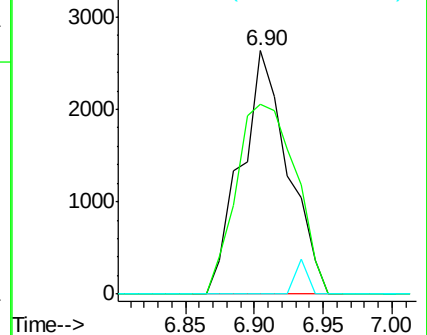
192 0.0 13.0 19.4#

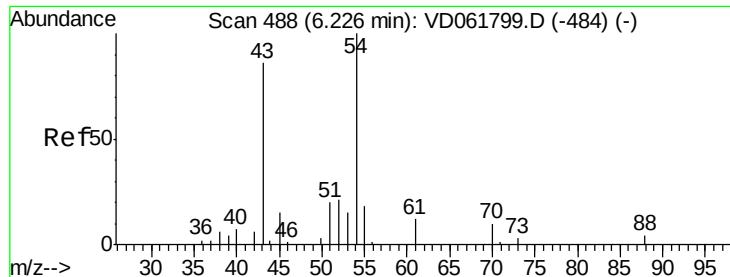


Abundance Ion 112.90 (112.60 to 113.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 191.80 (191.50 to 192.50): V





#37

Ethyl Acetate

Concen: 40.474 ug/l

RT: 6.05 min Scan# 470

Delta R.T. -0.18 min

Lab File: VD061860.D

Acq: 17 Apr 2019 18:43

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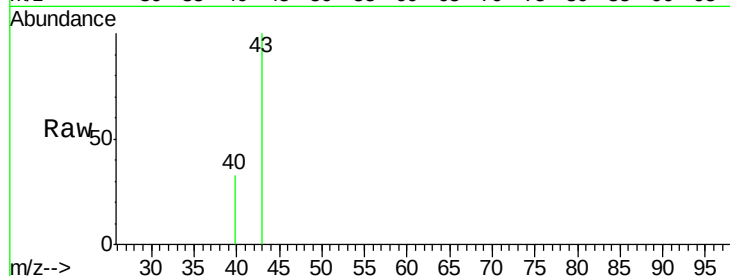
Tot Ion: 43 Resp: 2499

Ion Ratio Lower Upper

43 100

61 0.0 14.7 22.1#

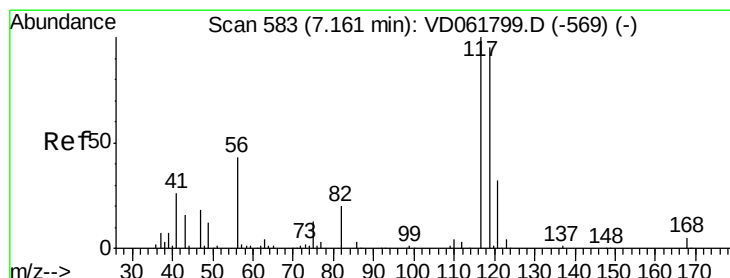
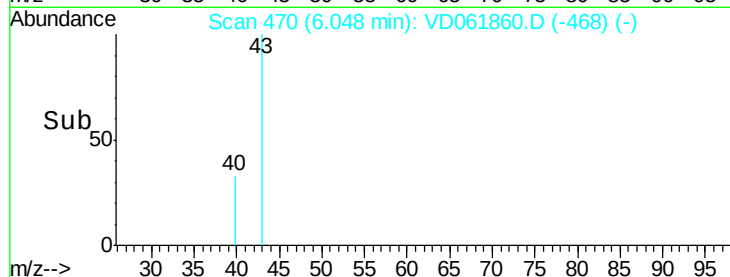
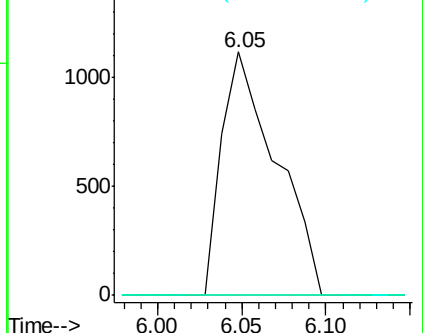
70 0.0 7.8 11.6#



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 60.95 (60.65 to 61.65): VDC

Ion 70.00 (69.70 to 70.70): VDC



#38

Carbon Tetrachloride

Concen: 1.109 ug/l

RT: 7.04 min Scan# 571

Delta R.T. -0.12 min

Lab File: VD061860.D

Acq: 17 Apr 2019 18:43

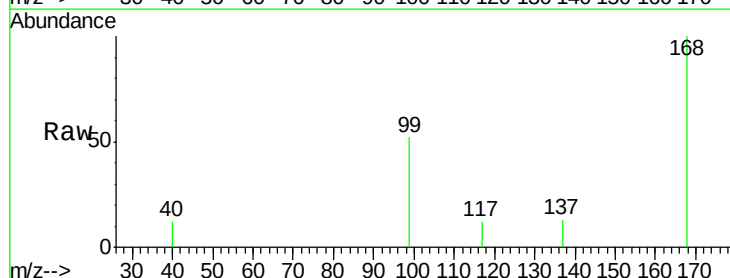
Tgt Ion: 117 Resp: 202

Ion Ratio Lower Upper

117 100

119 0.0 75.8 113.8#

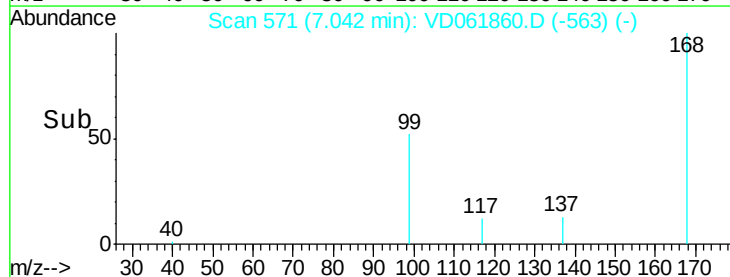
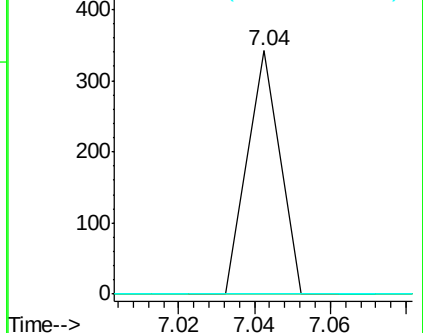
121 0.0 25.9 38.9#

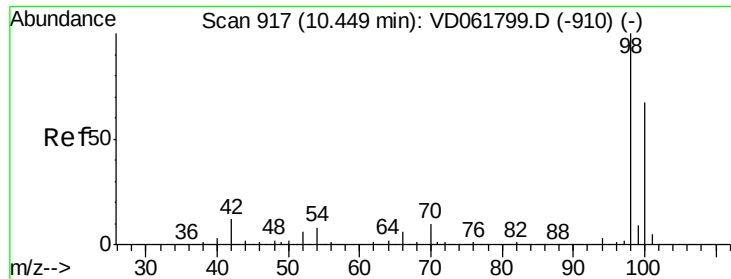


Abundance Ion 116.85 (116.55 to 117.55): V

Ion 118.85 (118.55 to 119.55): V

Ion 120.85 (120.55 to 121.55): V

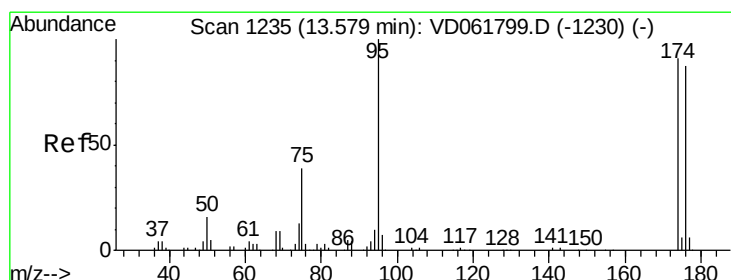
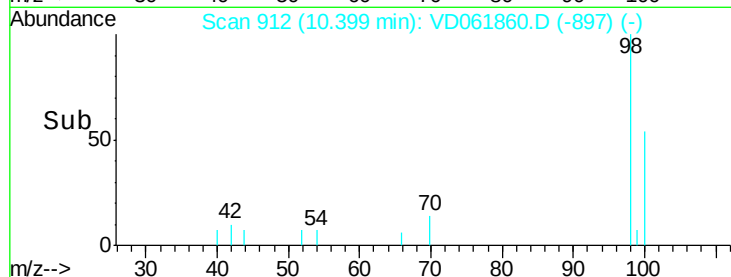
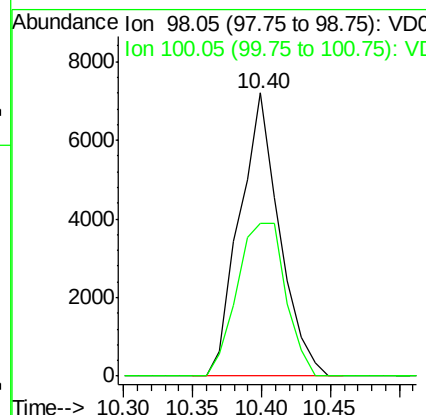
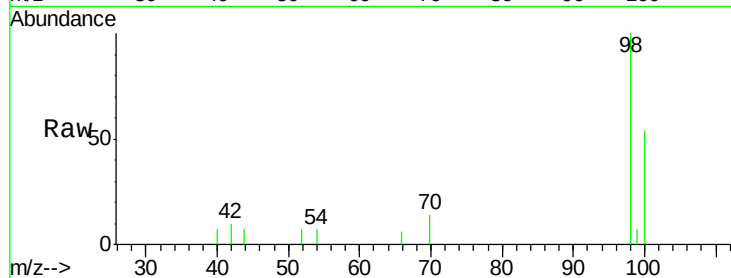




#50
Toluene-d8
Concen: N.D. ug/l
RT: 10.40 min Scan# 912
Delta R.T. -0.05 min
Lab File: VD061860.D
Acq: 17 Apr 2019 18:43

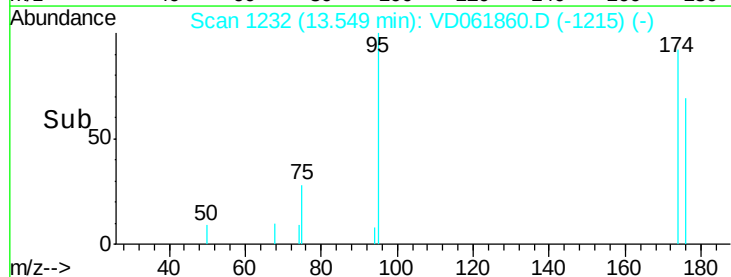
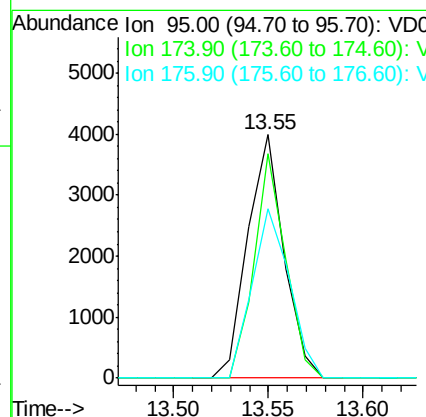
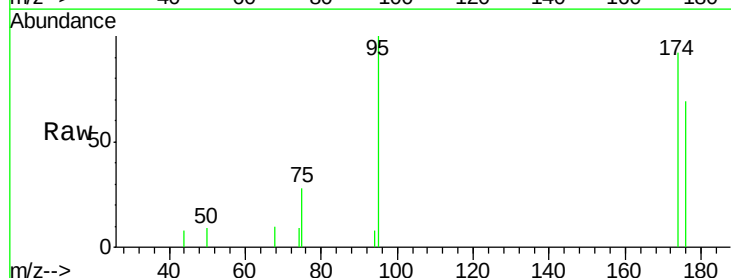
Instrument :
MSVOA_D
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TP-7-D2RE

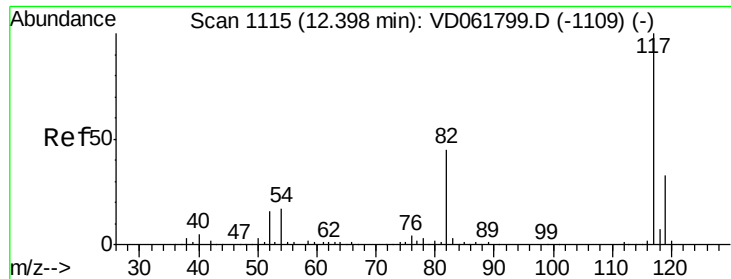
Tot Ion: 98 Resp: 14510
Ion Ratio Lower Upper
98 100
100 54.1 53.8 80.8



#62
4-Bromofluorobenzene
Concen: N.D. ug/l
RT: 13.55 min Scan# 1232
Delta R.T. -0.03 min
Lab File: VD061860.D
Acq: 17 Apr 2019 18:43

Tgt Ion: 95 Resp: 5289
Ion Ratio Lower Upper
95 100
174 92.2 0.0 181.8
176 69.4 0.0 174.4

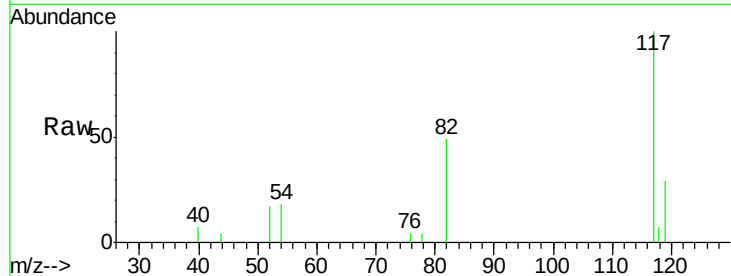




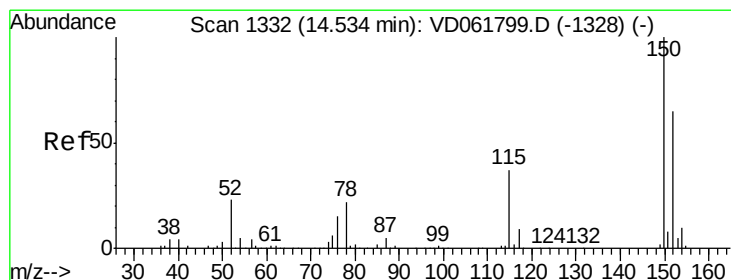
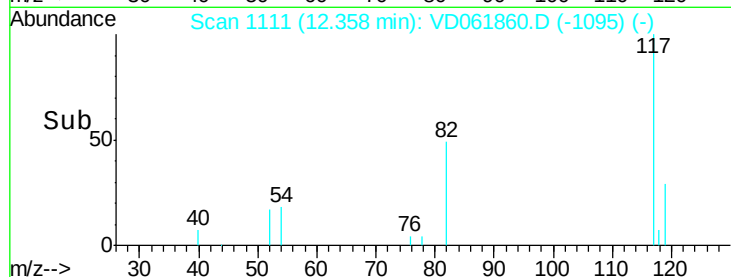
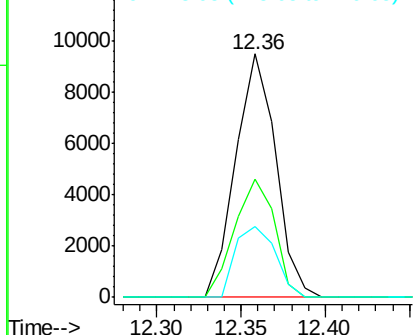
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 12.36 min Scan# 1111
Delta R.T. -0.04 min
Lab File: VD061860.D
Acq: 17 Apr 2019 18:43

Instrument :
MSVOA_D
ClientSampleId :
TP-7-D2RE

Tot Ion:117 Resp: 15686
Ion Ratio Lower Upper
117 100
82 48.7 36.2 54.2
119 29.0 26.2 39.4

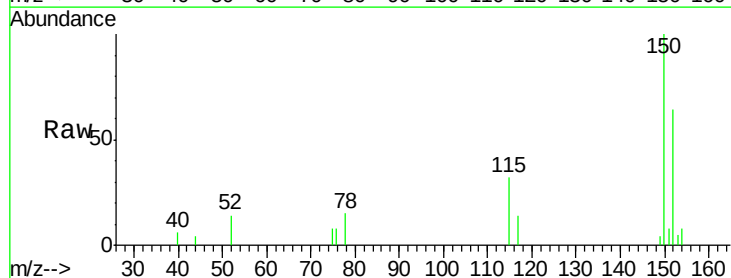


Abundance Ion 116.95 (116.65 to 117.65): V
Ion 82.05 (81.75 to 82.75): V
Ion 118.95 (118.65 to 119.65): V

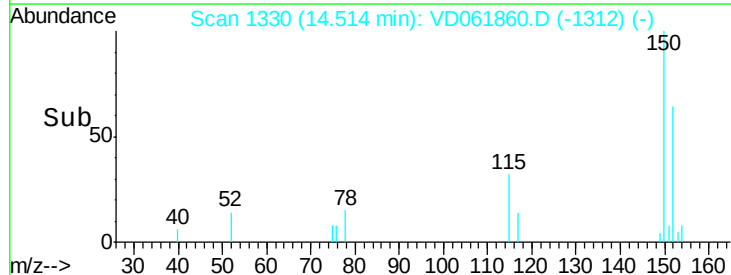
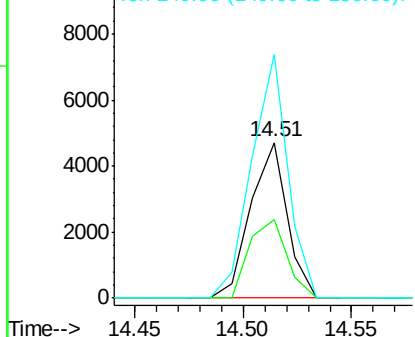


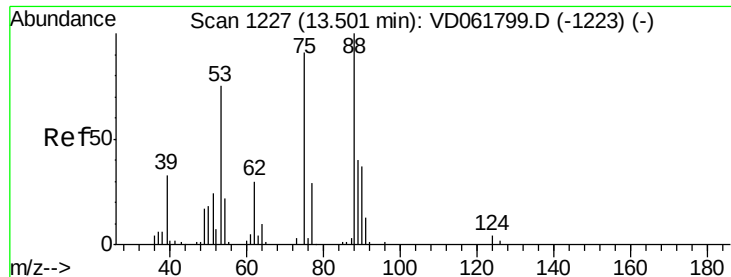
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 14.51 min Scan# 1330
Delta R.T. -0.02 min
Lab File: VD061860.D
Acq: 17 Apr 2019 18:43

Tgt Ion:152 Resp: 5562
Ion Ratio Lower Upper
152 100
115 50.2 30.9 92.7
150 156.8 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: 61.208 ug/l

RT: 13.55 min Scan# 1232

Delta R.T. 0.05 min

Lab File: VD061860.D

Acq: 17 Apr 2019 18:43

Instrument :

MSVOA_D

ClientSampleId :

TP-7-D2RE

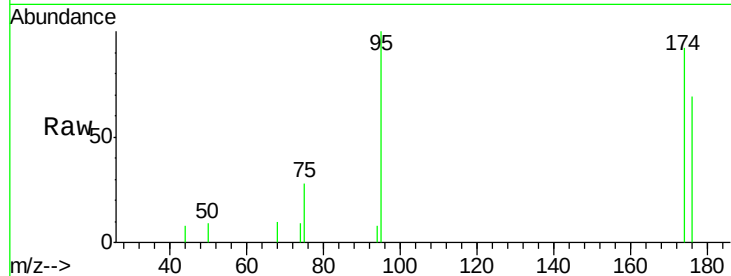
Tot Ion: 75 Resp: 1468

Ion Ratio Lower Upper

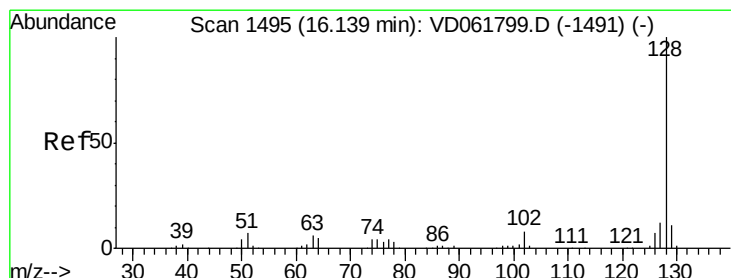
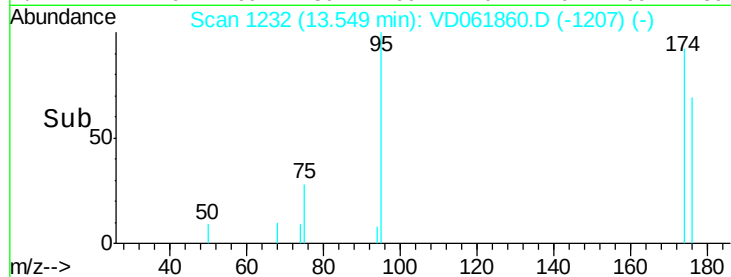
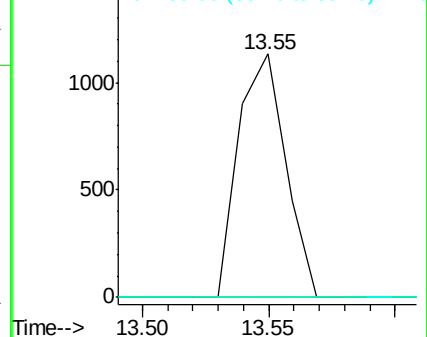
75 100

53 0.0 65.8 98.8#

89 0.0 35.0 52.6#



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



#95

Naphthalene

Concen: 1.514 ug/l

RT: 16.12 min Scan# 1493

Delta R.T. -0.02 min

Lab File: VD061860.D

Acq: 17 Apr 2019 18:43

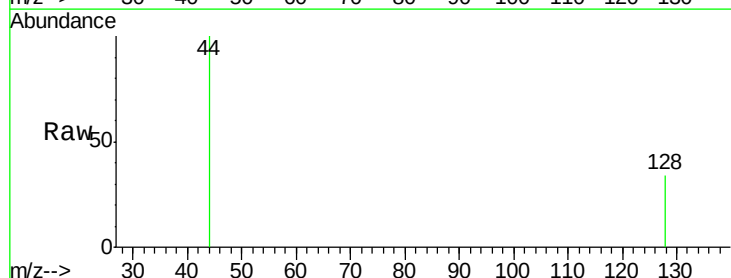
Tgt Ion: 128 Resp: 191

Ion Ratio Lower Upper

128 100

127 0.0 9.8 14.8#

129 0.0 8.8 13.2#



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

