

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD041719\
 Data File : VD061858.D
 Acq On : 17 Apr 2019 17:46
 Operator : VA/AP
 Sample : K2390-03RE
 Misc : 6.71a/5ml/MSVOA D/SOIL
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 5124RE

Quant Time: Apr 17 18:16:44 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	7.04	168	11720	50.00	ug/l	-0.05
34) 1,4-Difluorobenzene	8.21	114	23906	50.00	ug/l	-0.05
63) Chlorobenzene-d5	12.36	117	20474	50.00	ug/l	-0.03
72) 1,4-Dichlorobenzene-d4	14.51	152	7880	50.00	ug/l	-0.02

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	7.43	65	9405	95.75	ug/l	-0.06
Spiked Amount 50.000			Recovery	=	191.50%	
35) Dibromofluoromethane	6.91	113	9757	54.02	ug/l	-0.06
Spiked Amount 50.000			Recovery	=	108.04%	
50) Toluene-d8	10.40	98	20127	47.03	ug/l	-0.04
Spiked Amount 50.000			Recovery	=	94.06%	
62) 4-Bromofluorobenzene	13.54	95	7595	43.79	ug/l	-0.03
Spiked Amount 50.000			Recovery	=	87.58%	

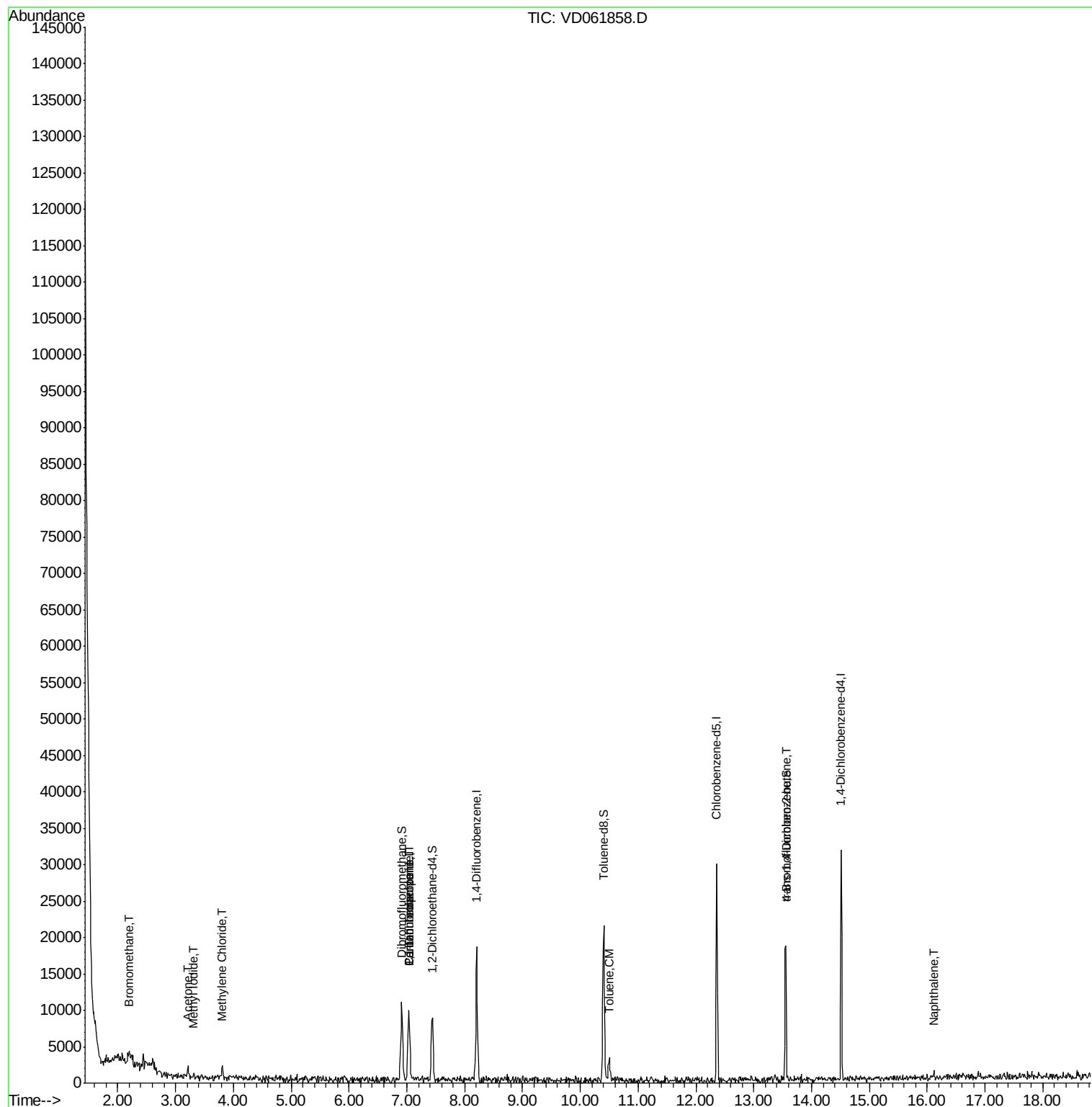
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	2.19	94	1347	67.839	ug/l #	12
10) Methyl Iodide	3.31	142	187	4.347	ug/l #	37
16) Acetone	3.21	43	2604	107.565	ug/l #	50
20) Methylene Chloride	3.81	84	1449	8.207	ug/l #	50
36) 1,1-Dichloropropene	7.04	75	378	1.935	ug/l #	40
38) Carbon Tetrachloride	7.03	117	738	2.992	ug/l #	12
52) Toluene	10.50	92	1804	6.002	ug/l #	72
81) trans-1,4-Dichloro-2-buten	13.54	75	3030	87.654	ug/l #	16
95) Naphthalene	16.11	128	577	3.229	ug/l #	70

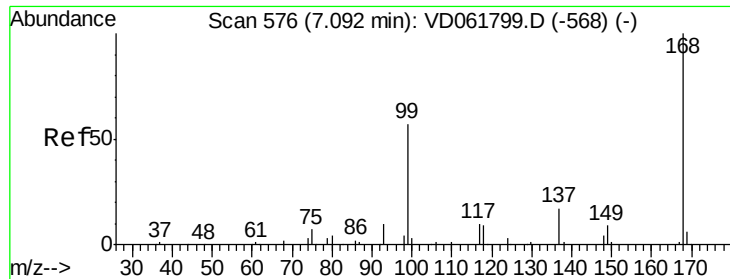
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.04 min Scan# 570

Delta R.T. -0.05 min

Lab File: VD061858.D

Acq: 17 Apr 2019 17:46

Instrument :

MSVOA_D

ClientSampleId :

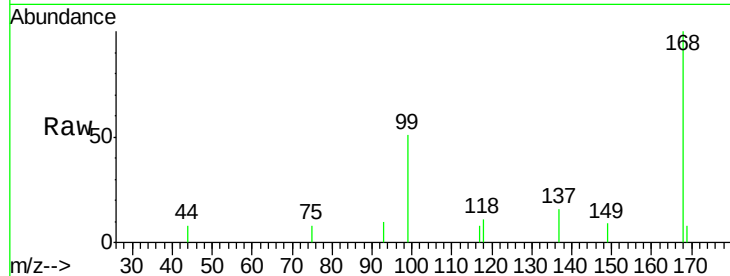
5124RE

Tot Ion:168 Resp: 11720

Ion Ratio Lower Upper

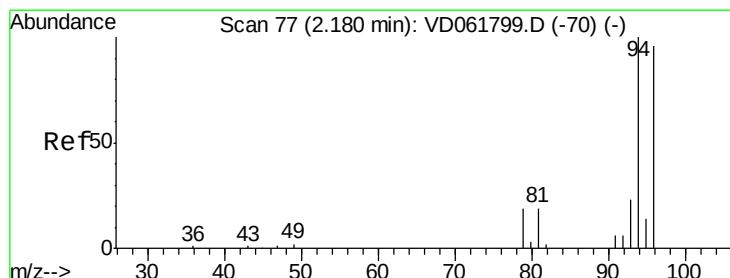
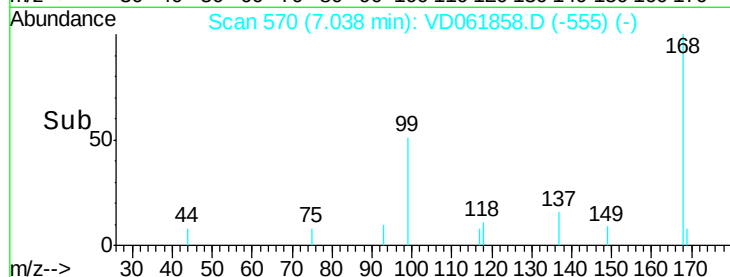
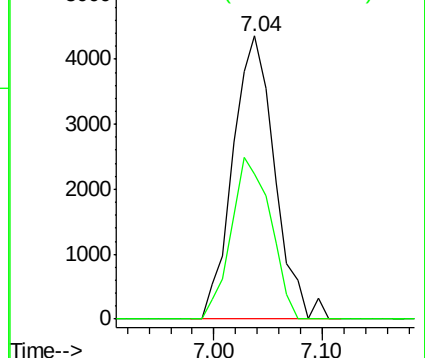
168 100

99 51.1 46.5 69.7



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC



#5

Bromomethane

Concen: 67.839 ug/l

RT: 2.19 min Scan# 78

Delta R.T. 0.02 min

Lab File: VD061858.D

Acq: 17 Apr 2019 17:46

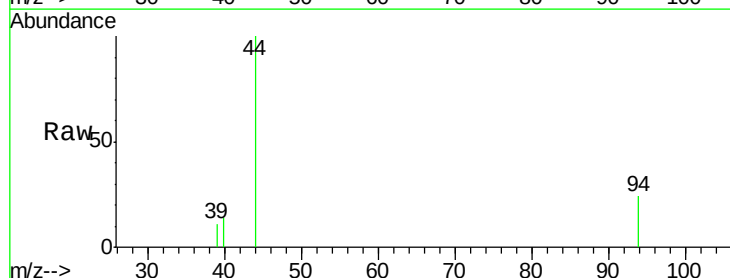
Tgt Ion: 94 Resp: 1347

Ion Ratio Lower Upper

94 100

96 0.0 76.6 115.0#

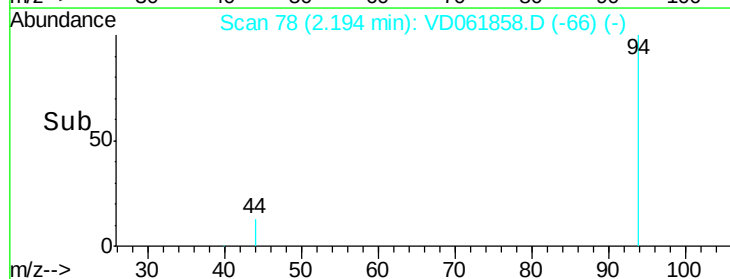
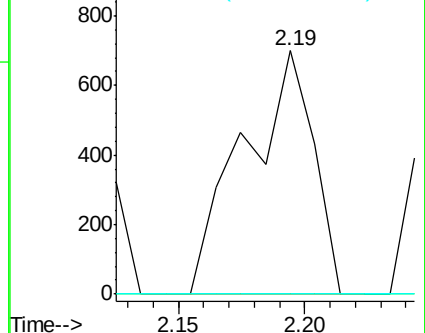
93 0.0 18.5 27.7#

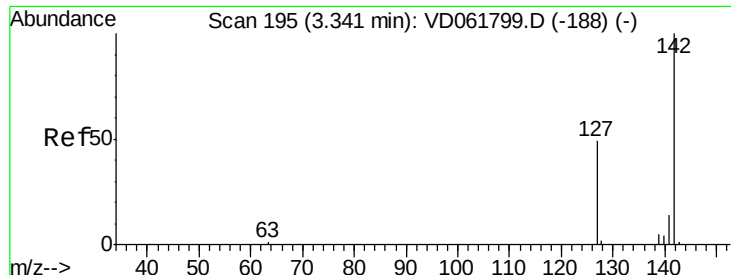


Abundance Ion 94.00 (93.70 to 94.70): VDC

Ion 96.00 (95.70 to 96.70): VDC

Ion 93.00 (92.70 to 93.70): VDC

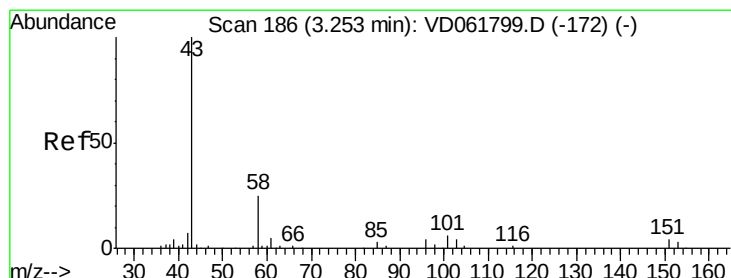
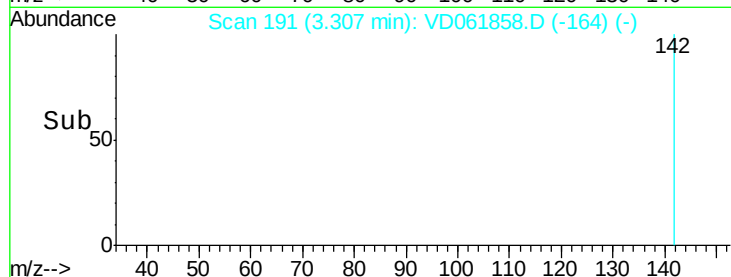
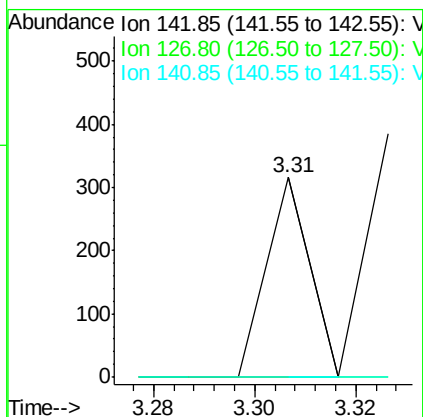
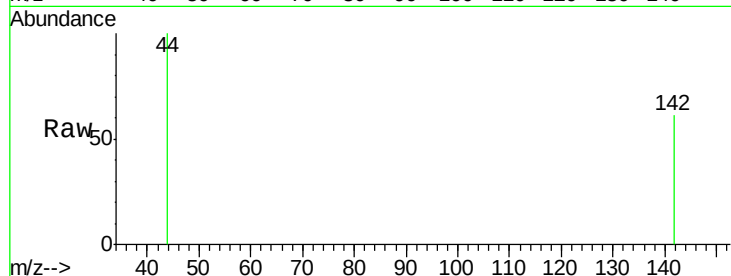




#10
Methyl Iodide
Concen: 4.347 ug/l
RT: 3.31 min Scan# 191
Delta R.T. -0.03 min
Lab File: VD061858.D
Acq: 17 Apr 2019 17:46

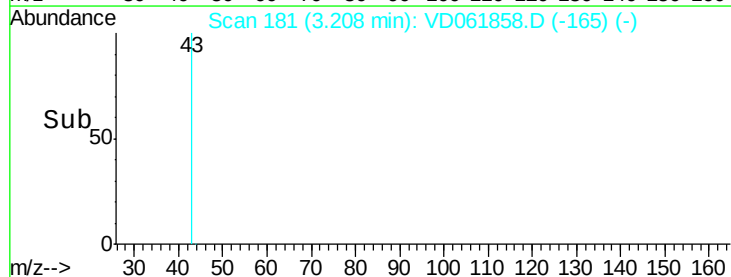
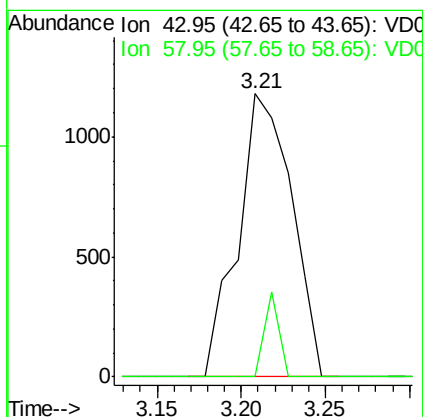
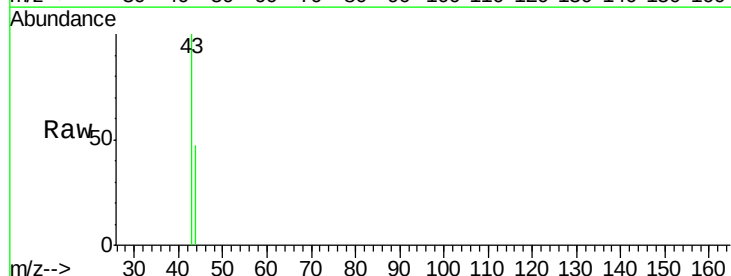
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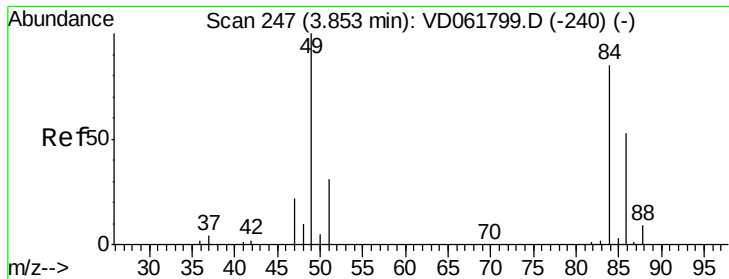
Tot Ion:142 Resp: 187
Ion Ratio Lower Upper
142 100
127 0.0 38.8 58.2#
141 0.0 11.4 17.0#



#16
Acetone
Concen: 107.565 ug/l
RT: 3.21 min Scan# 181
Delta R.T. -0.04 min
Lab File: VD061858.D
Acq: 17 Apr 2019 17:46

Tgt Ion: 43 Resp: 2604
Ion Ratio Lower Upper
43 100
58 0.0 19.9 29.9#

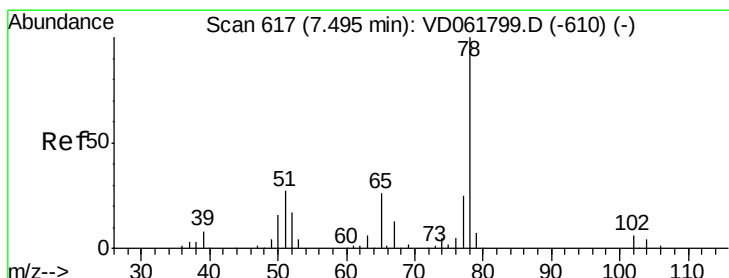
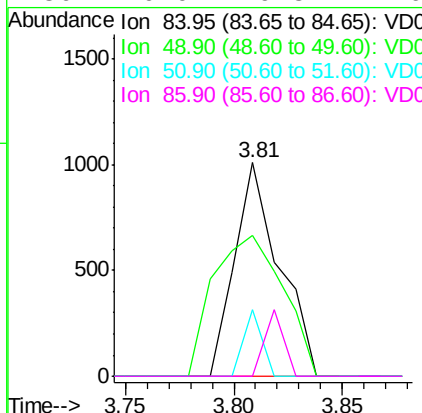
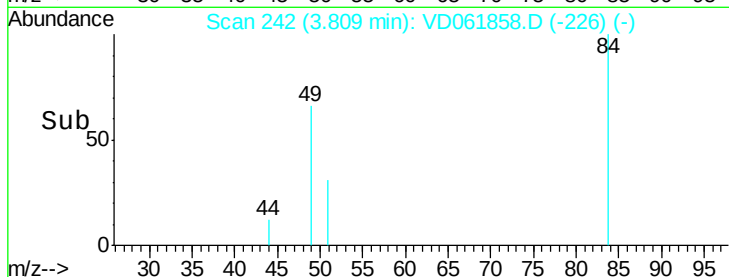
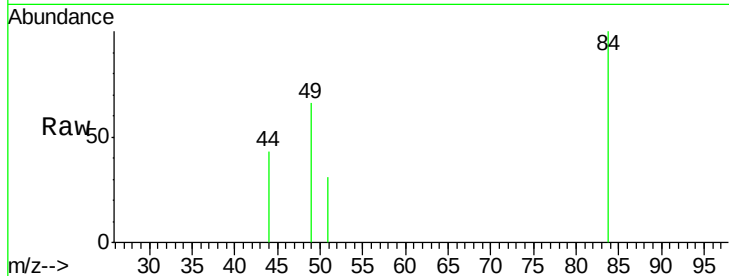




#20
Methylene Chloride
Concen: 8.207 ug/l
RT: 3.81 min Scan# 242
Delta R.T. -0.04 min
Lab File: VD061858.D
Acq: 17 Apr 2019 17:46

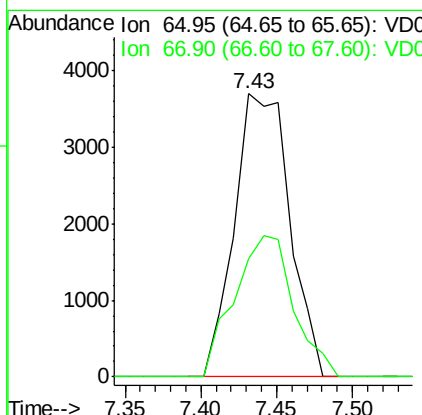
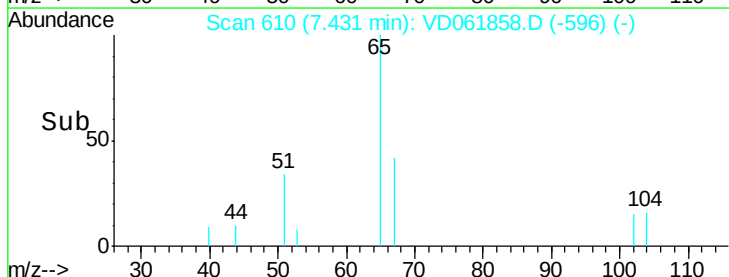
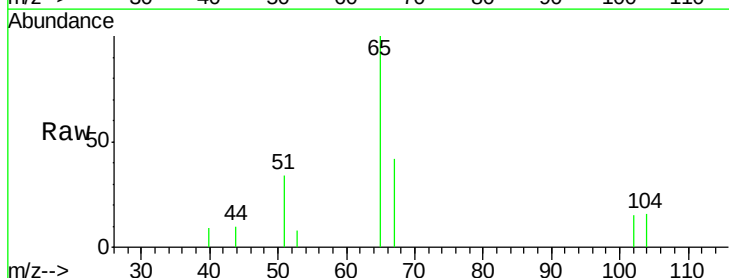
Instrument :
MSVOA_D
ClientSampleId :
5124RE

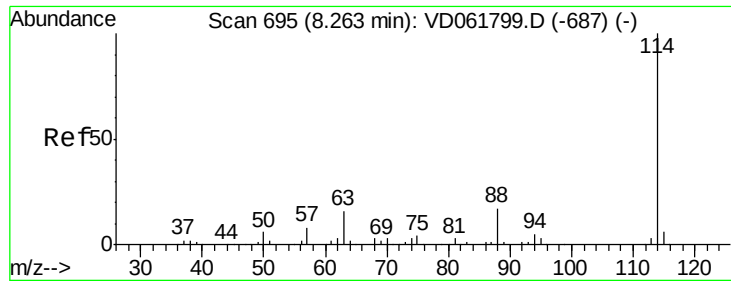
Tot Ion: 84 Resp: 1449
Ion Ratio Lower Upper
84 100
49 66.2 94.0 141.0#
51 31.2 29.0 43.4
86 0.0 49.8 74.6#



#33
1,2-Dichloroethane-d4
Concen: N.D. ug/l
RT: 7.43 min Scan# 610
Delta R.T. -0.06 min
Lab File: VD061858.D
Acq: 17 Apr 2019 17:46

Tgt Ion: 65 Resp: 9405
Ion Ratio Lower Upper
65 100
67 41.6 0.0 98.0





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.21 min Scan# 689

Delta R.T. -0.05 min

Lab File: VD061858.D

Acq: 17 Apr 2019 17:46

Instrument :

MSVOA_D

ClientSampleId :

5124RE

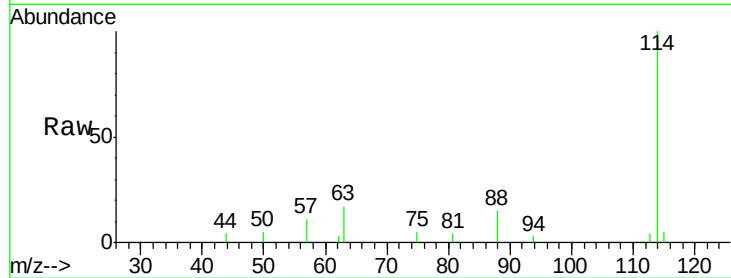
Tot Ion:114 Resp: 23906

Ion Ratio Lower Upper

114 100

63 16.6 0.0 32.4

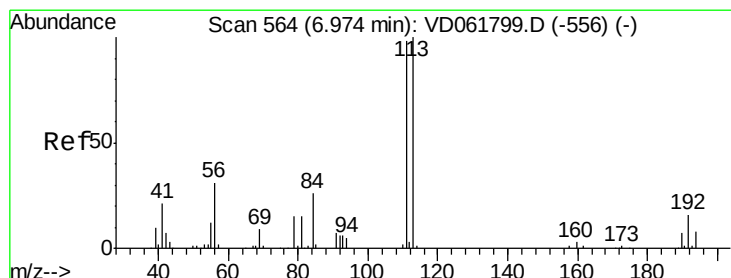
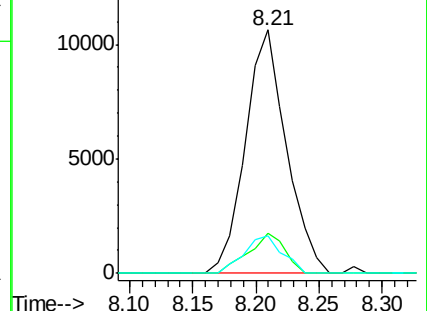
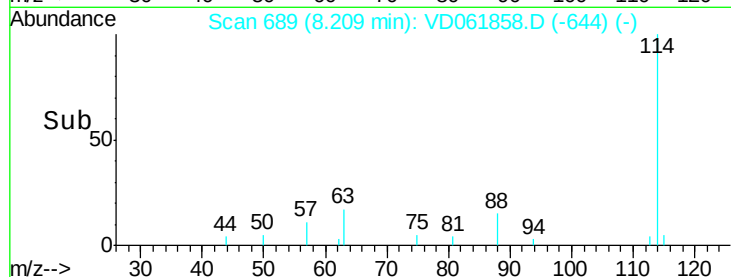
88 15.4 0.0 33.6



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: 6.91 min Scan# 557

Delta R.T. -0.06 min

Lab File: VD061858.D

Acq: 17 Apr 2019 17:46

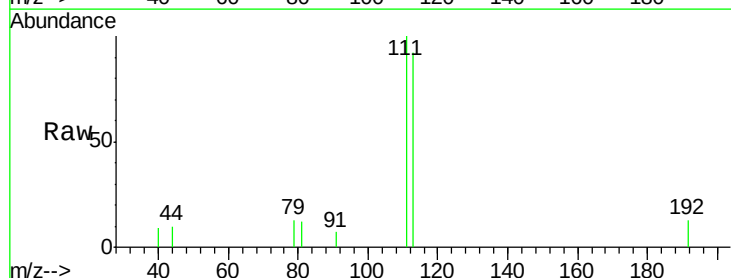
Tgt Ion:113 Resp: 9757

Ion Ratio Lower Upper

113 100

111 108.3 78.5 117.7

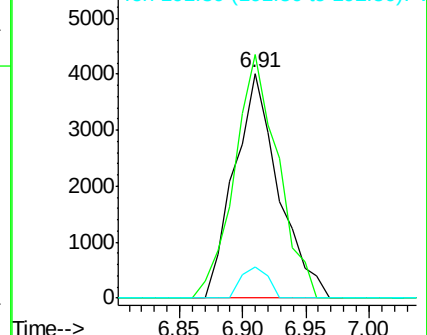
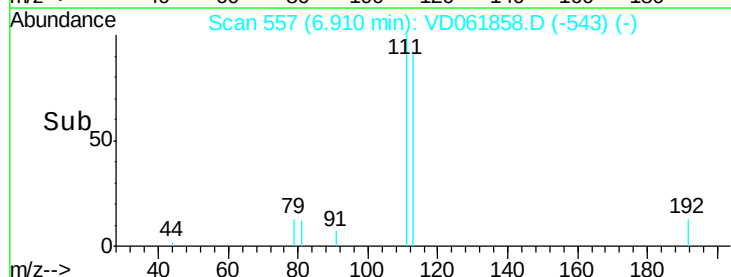
192 13.8 13.0 19.4

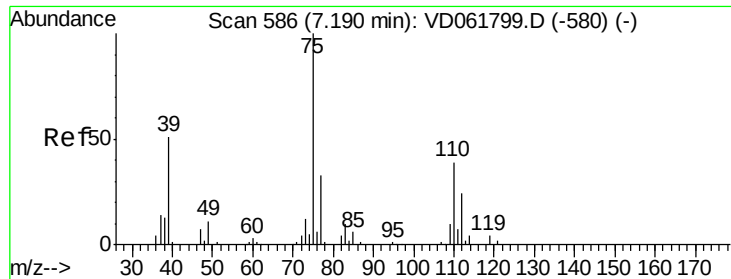


Abundance Ion 112.90 (112.60 to 113.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 191.80 (191.50 to 192.50): V

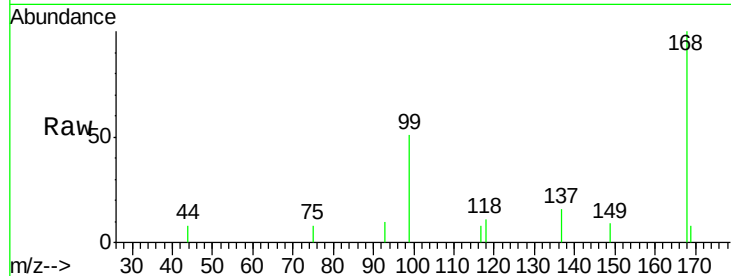




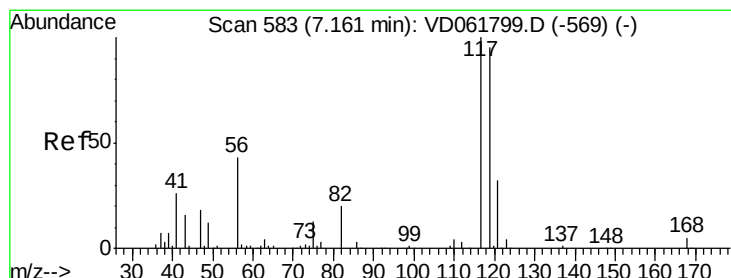
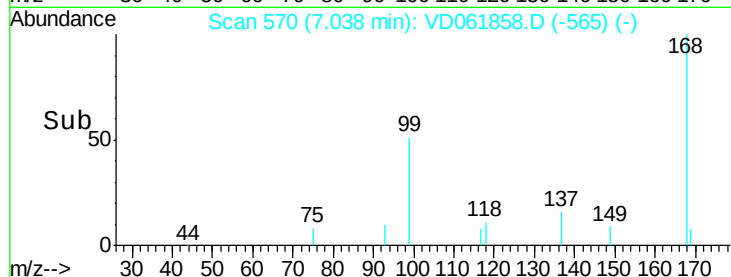
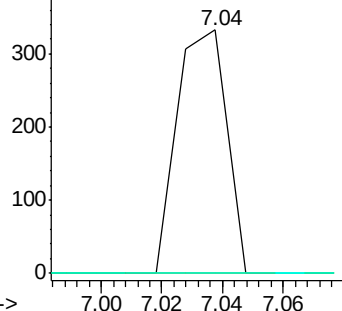
#36
 1,1-Dichloropropene
 Concen: 1.935 ug/l
 RT: 7.04 min Scan# 570
 Delta R.T. -0.15 min
 Lab File: VD061858.D
 Acq: 17 Apr 2019 17:46

Instrument :
 MSVOA_D
 ClientSampleId :
 5124RE

Tot Ion: 75 Resp: 378
 Ion Ratio Lower Upper
 75 100
 110 0.0 19.1 57.1#
 77 0.0 25.6 38.4#

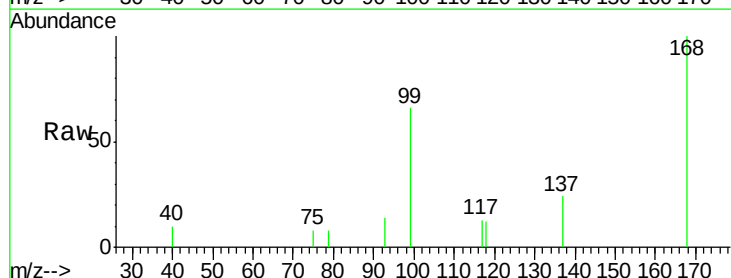


Abundance Ion 75.00 (74.70 to 75.70): V
 Ion 109.90 (109.60 to 110.60): V
 Ion 76.95 (76.65 to 77.65): V

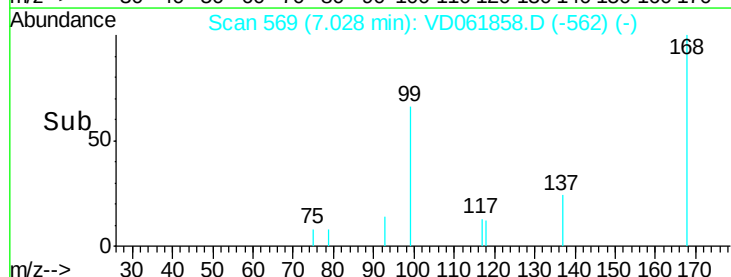
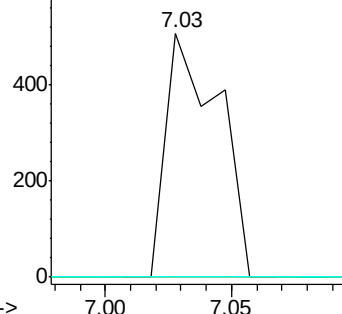


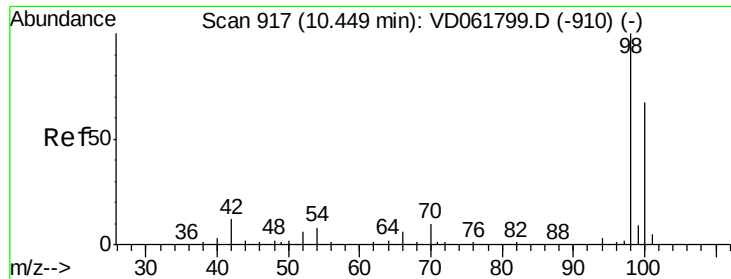
#38
 Carbon Tetrachloride
 Concen: 2.992 ug/l
 RT: 7.03 min Scan# 569
 Delta R.T. -0.13 min
 Lab File: VD061858.D
 Acq: 17 Apr 2019 17:46

Tgt Ion: 117 Resp: 738
 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

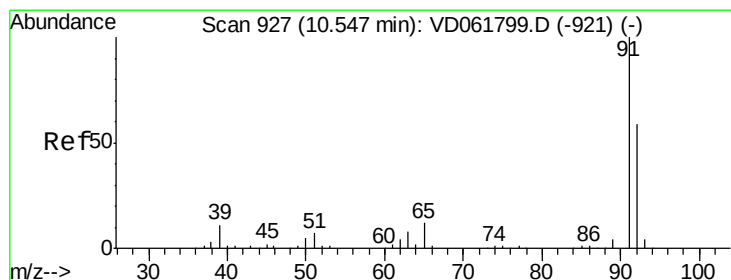
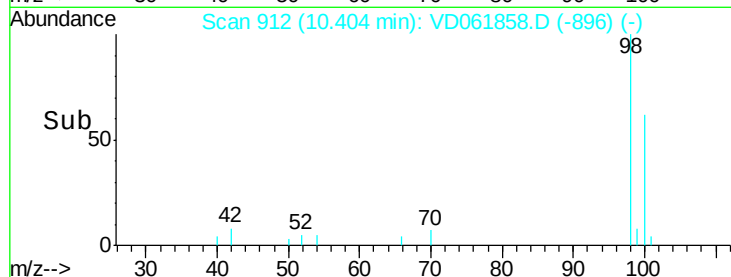
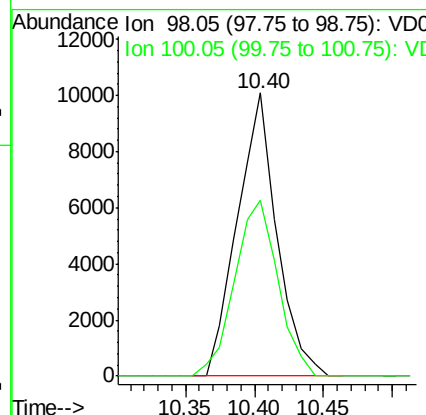
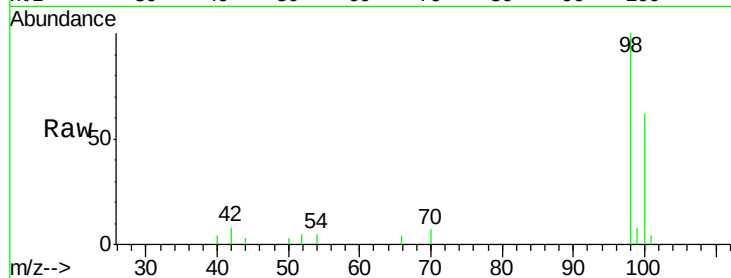




#50
Toluene-d8
Concen: N.D. ug/l
RT: 10.40 min Scan# 912
Delta R.T. -0.04 min
Lab File: VD061858.D
Acq: 17 Apr 2019 17:46

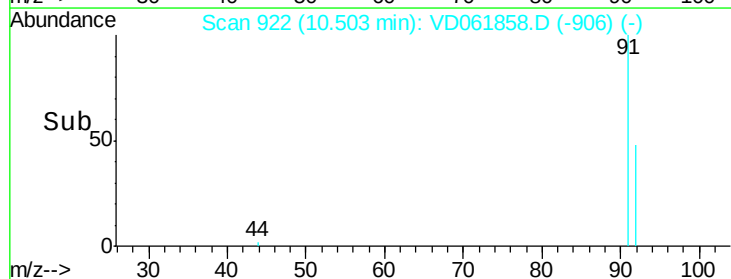
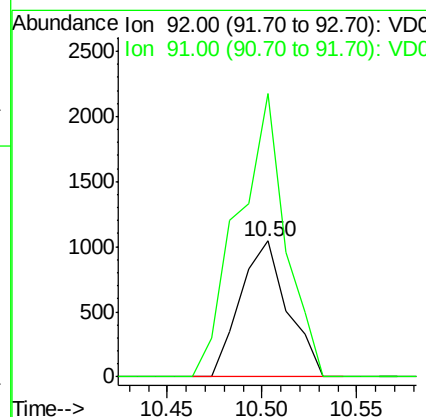
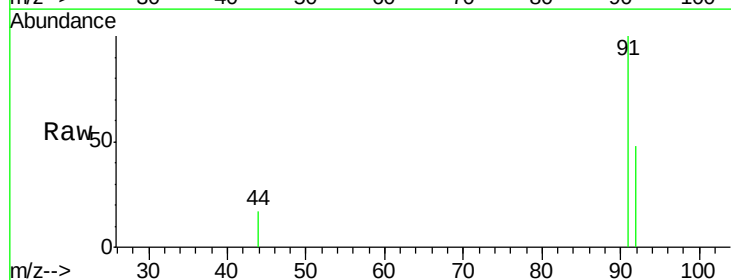
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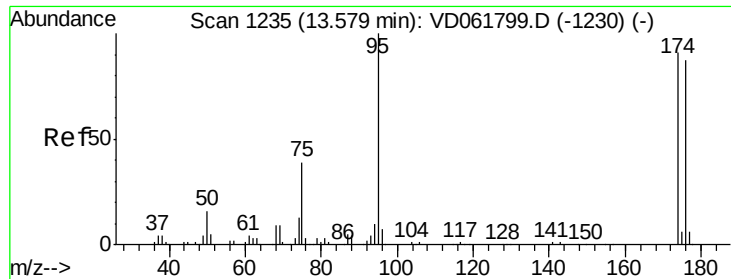
Tot Ion: 98 Resp: 20127
Ion Ratio Lower Upper
98 100
100 62.2 53.8 80.8



#52
Toluene
Concen: 6.002 ug/l
RT: 10.50 min Scan# 922
Delta R.T. -0.04 min
Lab File: VD061858.D
Acq: 17 Apr 2019 17:46

Tgt Ion: 92 Resp: 1804
Ion Ratio Lower Upper
92 100
91 208.5 136.6 204.8#

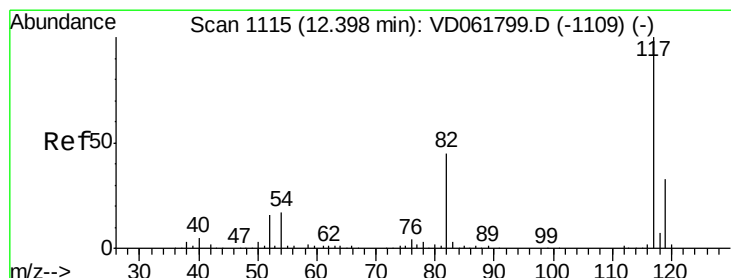
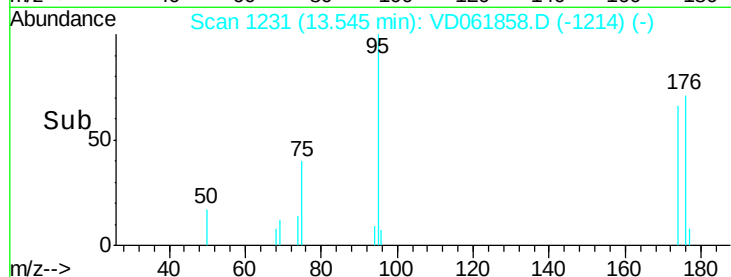
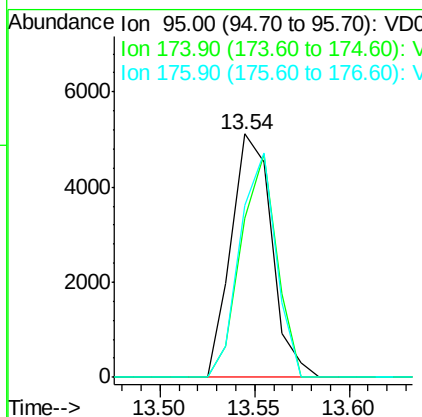
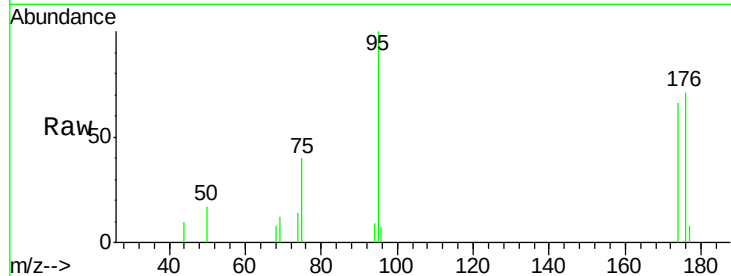




#62
4-Bromofluorobenzene
Concen: N.D. ug/l
RT: 13.54 min Scan# 1231
Delta R.T. -0.03 min
Lab File: VD061858.D
Acq: 17 Apr 2019 17:46

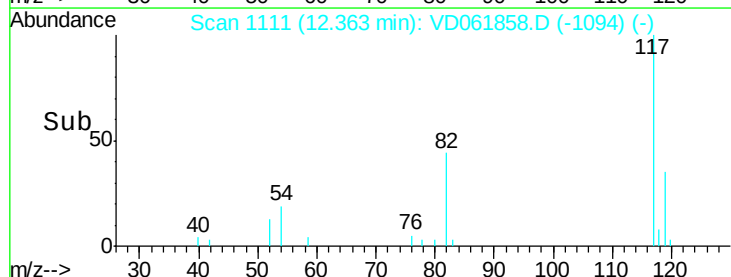
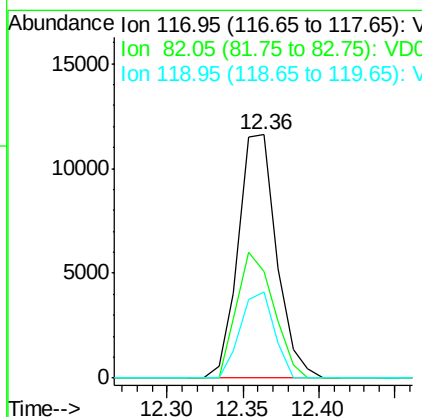
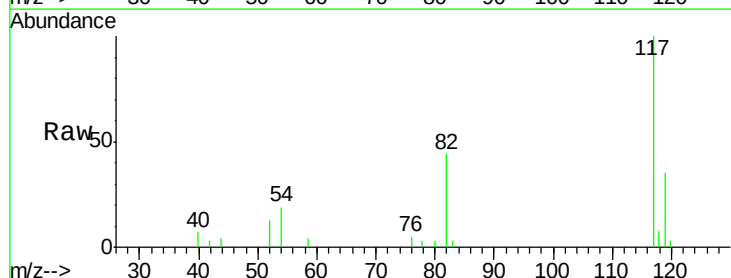
Instrument :
MSVOA_D
ClientSampleId :
5124RE

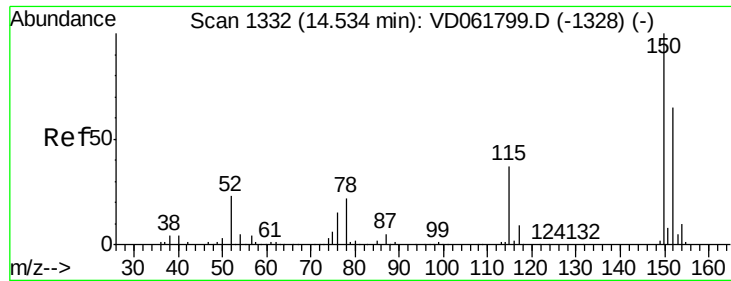
Tot Ion: 95 Resp: 7595
Ion Ratio Lower Upper
95 100
174 65.5 0.0 181.8
176 70.7 0.0 174.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 12.36 min Scan# 1111
Delta R.T. -0.03 min
Lab File: VD061858.D
Acq: 17 Apr 2019 17:46

Tgt Ion: 117 Resp: 20474
Ion Ratio Lower Upper
117 100
82 44.0 36.2 54.2
119 35.4 26.2 39.4

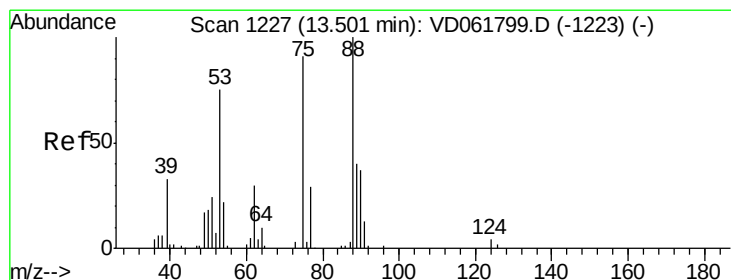
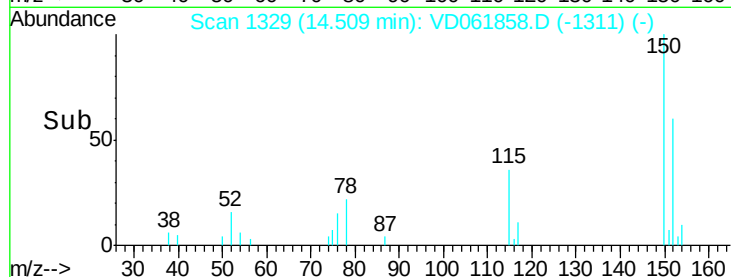
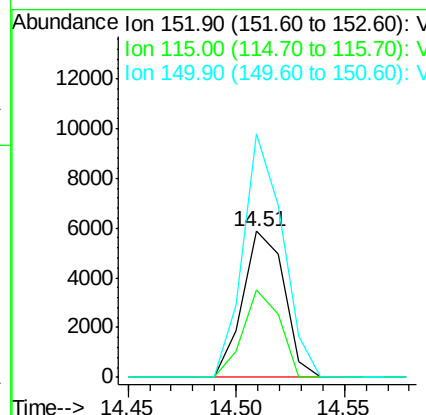
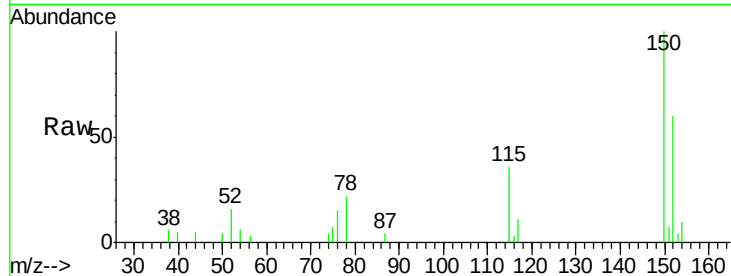




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 14.51 min Scan# 1329
 Delta R.T. -0.02 min
 Lab File: VD061858.D
 Acq: 17 Apr 2019 17:46

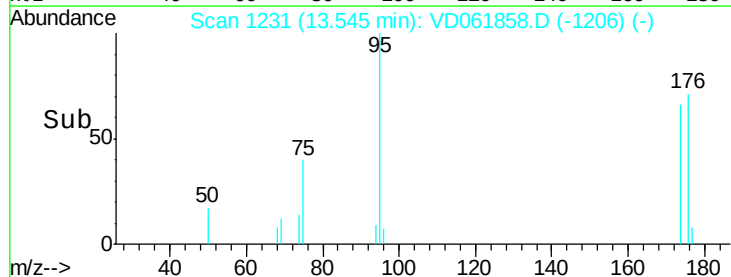
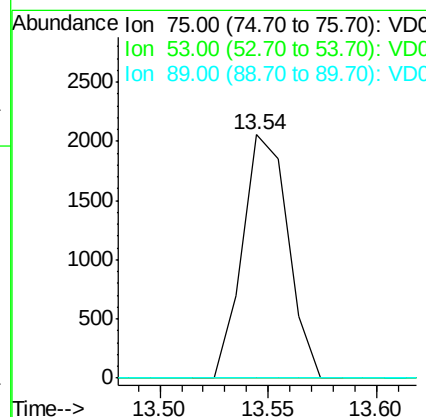
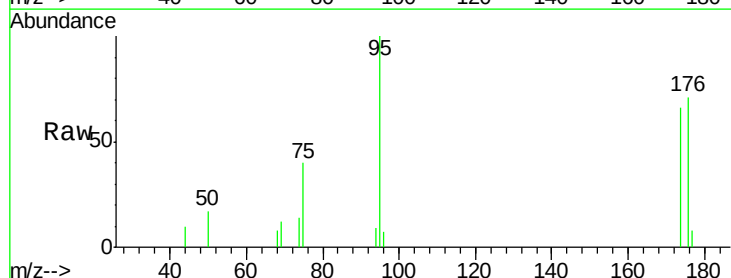
Instrument :
 MSVOA_D
 ClientSampleId :
 5124RE

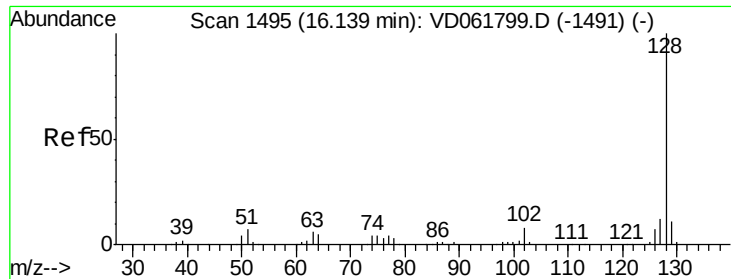
Tot Ion:152 Resp: 7880
 Ion Ratio Lower Upper
 152 100
 115 59.8 30.9 92.7
 150 166.5 0.0 314.8



#81
 trans-1,4-Dichloro-2-butene
 Concen: 87.654 ug/l
 RT: 13.54 min Scan# 1231
 Delta R.T. 0.04 min
 Lab File: VD061858.D
 Acq: 17 Apr 2019 17:46

Tgt Ion: 75 Resp: 3030
 Ion Ratio Lower Upper
 75 100
 53 0.0 65.8 98.8#
 89 0.0 35.0 52.6#





#95
 Naphthalene
 Concen: 3.229 ug/l
 RT: 16.11 min Scan# 1492
 Delta R.T. -0.02 min
 Lab File: VD061858.D
 Acq: 17 Apr 2019 17:46

Instrument :
 MSVOA_D
 ClientSampleId :
 5124RE

Tot Ion:128 Resp: 577
 Ion Ratio Lower Upper
 128 100
 127 0.0 9.8 14.8#
 129 0.0 8.8 13.2#

