

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD041619\
 Data File : VD061834.D
 Acq On : 17 Apr 2019 4:40
 Operator : VA/AP
 Sample : K2389-05
 Misc : 5.05µl/5ml/MSVOA D/SOIL
 ALS Vial : 39 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Apr 17 06:59:56 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

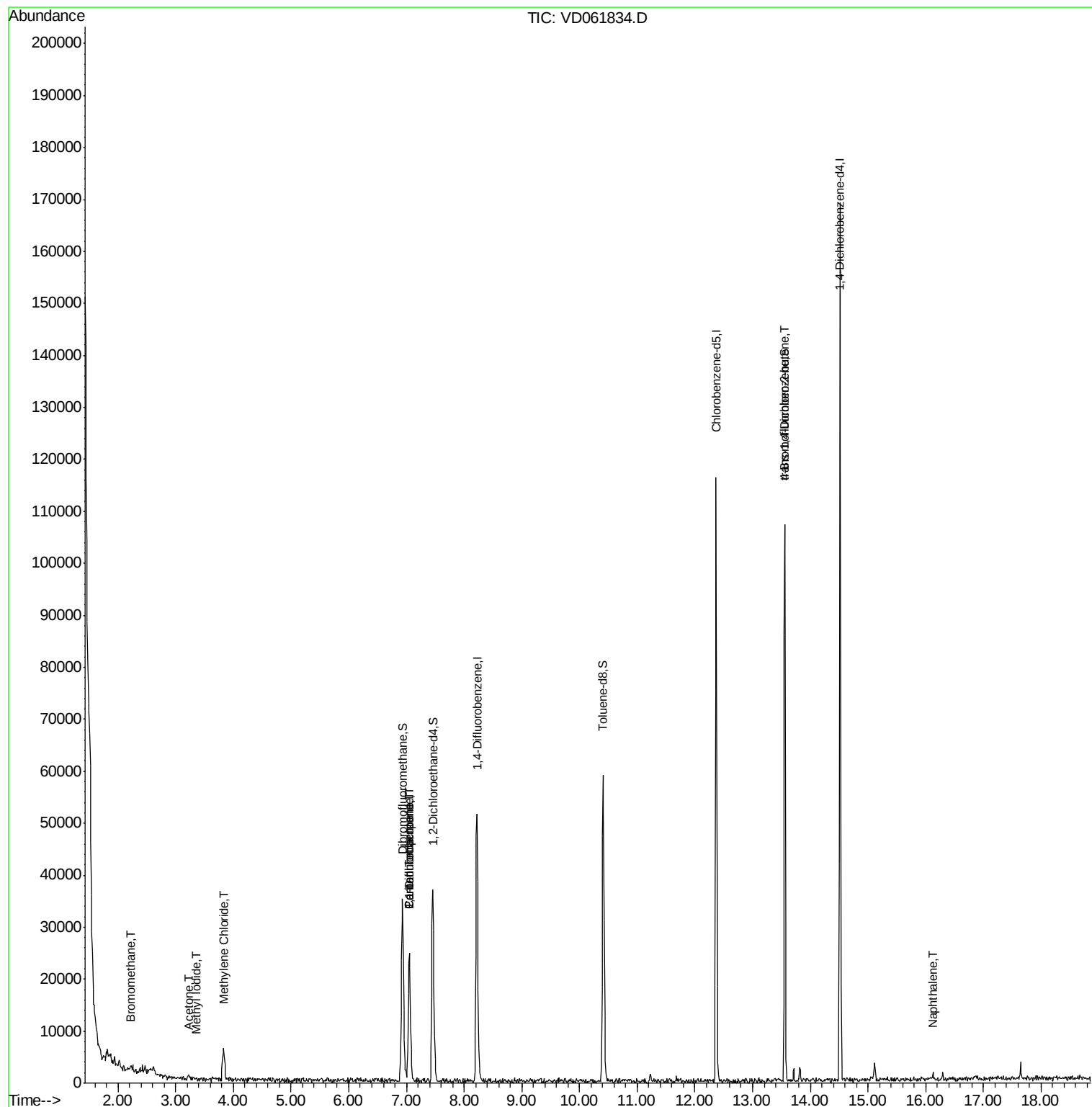
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.05	168	30037	50.00	ug/l	-0.04
34) 1,4-Difluorobenzene	8.22	114	66510	50.00	ug/l	-0.04
63) Chlorobenzene-d5	12.37	117	71557	50.00	ug/l	-0.03
72) 1,4-Dichlorobenzene-d4	14.51	152	39367	50.00	ug/l	-0.02
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	7.46	65	36024	143.10	ug/l	-0.04
Spiked Amount 50.000			Recovery	=	286.20%	
35) Dibromofluoromethane	6.93	113	33563	66.79	ug/l	-0.04
Spiked Amount 50.000			Recovery	=	133.58%	
50) Toluene-d8	10.41	98	56846	47.75	ug/l	-0.04
Spiked Amount 50.000			Recovery	=	95.50%	
62) 4-Bromofluorobenzene	13.56	95	33300	69.01	ug/l	-0.02
Spiked Amount 50.000			Recovery	=	138.02%	
Target Compounds						
					Qvalue	
5) Bromomethane	2.21	94	283	1.911	ug/l #	12
10) Methyl Iodide	3.34	142	219	3.895	ug/l #	37
16) Acetone	3.22	43	1790	28.850	ug/l #	50
20) Methylene Chloride	3.83	84	4838	12.222	ug/l #	85
36) 1,1-Dichloropropene	7.04	75	1935	3.560	ug/l #	40
38) Carbon Tetrachloride	7.04	117	2202	3.209	ug/l #	12
81) trans-1,4-Dichloro-2-buten	13.55	75	12466	72.772	ug/l #	16
95) Naphthalene	16.13	128	895	1.002	ug/l #	70

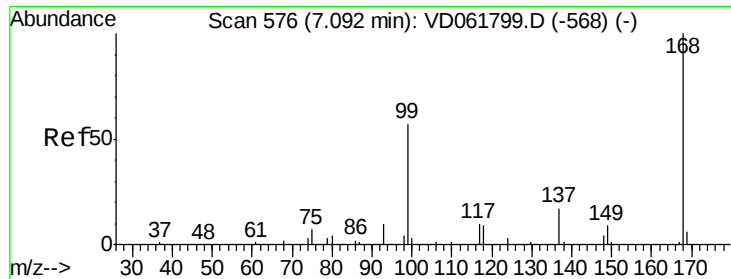
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD041619\
Data File : VD061834.D
Acq On : 17 Apr 2019 4:40
Operator : VA/AP
Sample : K2389-05
Misc : 5.05g/5ml/MSVOA D/SOIL
ALS Vial : 39 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :

Quant Time: Apr 17 06:59:56 2019
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_D\METHOD\82D041519S.M
Quant Title : SW846 8260
QLast Update : Tue Apr 16 08:53:01 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.05 min Scan# 572

Delta R.T. -0.04 min

Lab File: VD061834.D

Acq: 17 Apr 2019 4:40

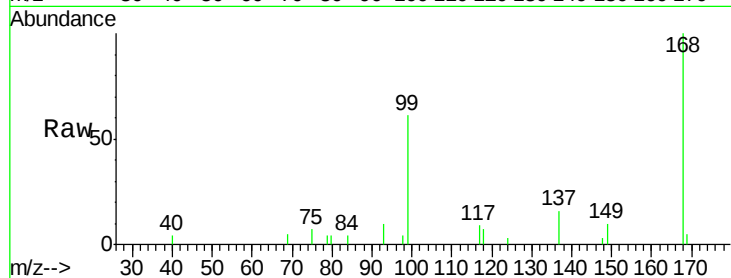
Instrument :
MSVOA_D
ClientSampleId :

Tot Ion:168 Resp: 30037

Ion Ratio Lower Upper

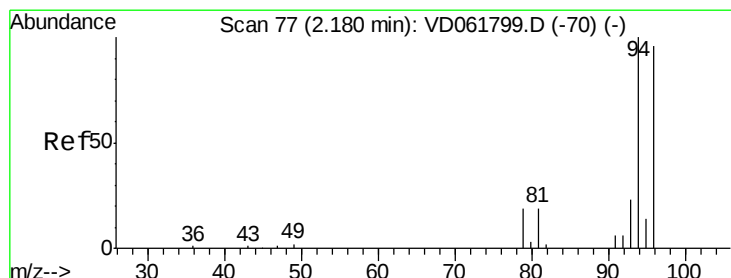
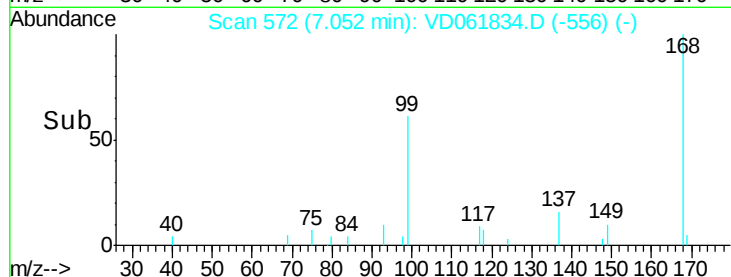
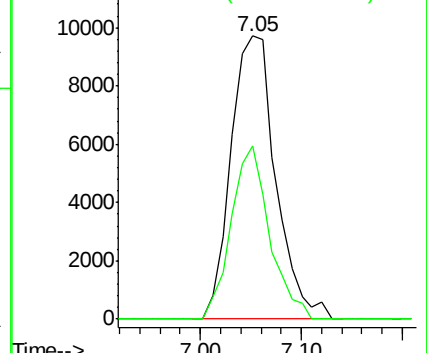
168 100

99 61.3 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: 1.911 ug/l

RT: 2.21 min Scan# 80

Delta R.T. 0.03 min

Lab File: VD061834.D

Acq: 17 Apr 2019 4:40

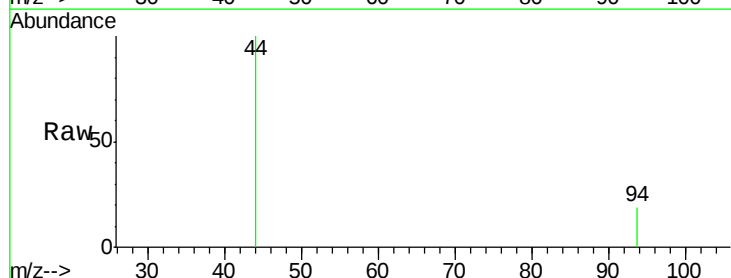
Tgt Ion: 94 Resp: 283

Ion Ratio Lower Upper

94 100

96 0.0 76.6 115.0#

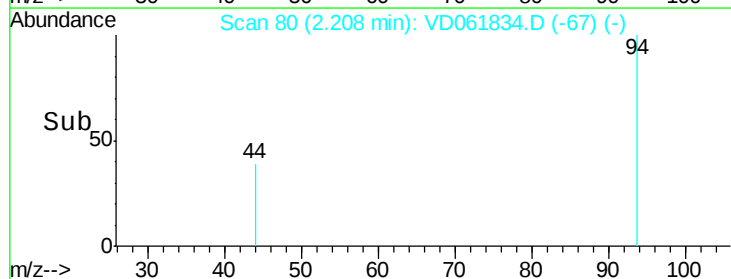
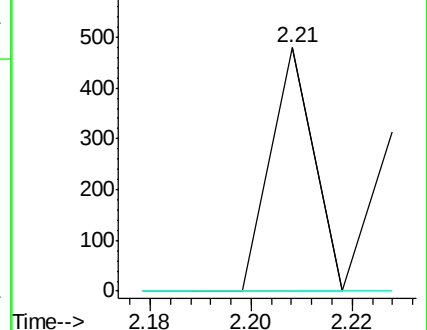
93 0.0 18.5 27.7#

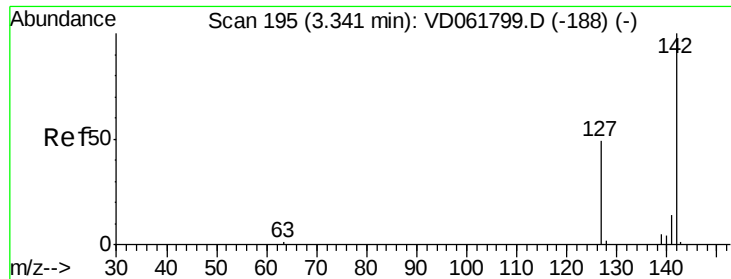


Abundance Ion 94.00 (93.70 to 94.70): VDC

Ion 96.00 (95.70 to 96.70): VDC

Ion 93.00 (92.70 to 93.70): VDC

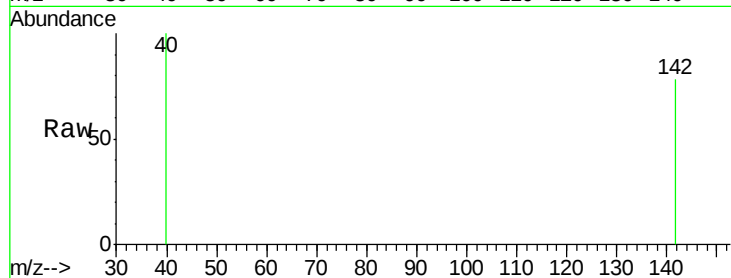




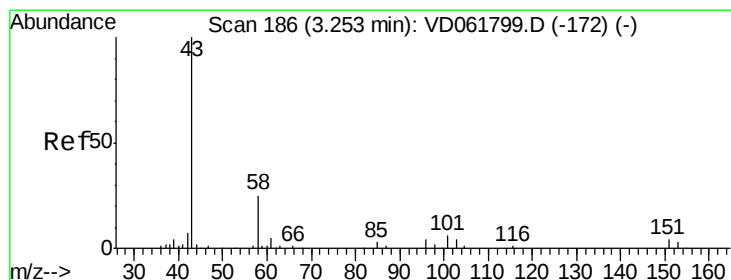
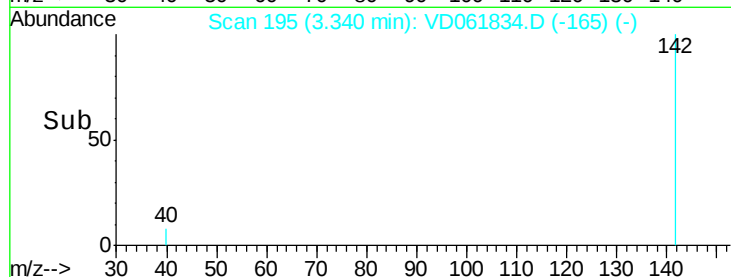
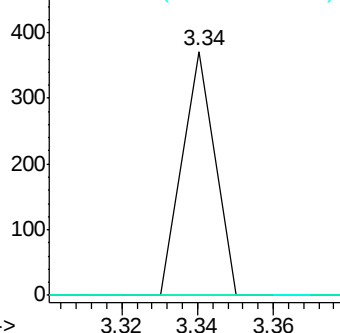
#10
Methvl Iodide
Concen: 3.895 ug/l
RT: 3.34 min Scan# 195
Delta R.T. -0.00 min
Lab File: VD061834.D
Acq: 17 Apr 2019 4:40

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion:142 Resp: 219
Ion Ratio Lower Upper
142 100
127 0.0 38.8 58.2#
141 0.0 11.4 17.0#

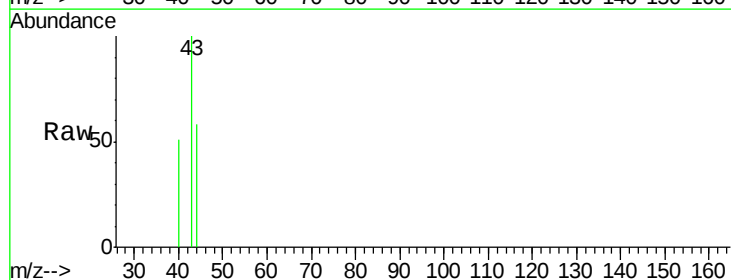


Abundance Ion 141.85 (141.55 to 142.55): V
Ion 126.80 (126.50 to 127.50): V
Ion 140.85 (140.55 to 141.55): V

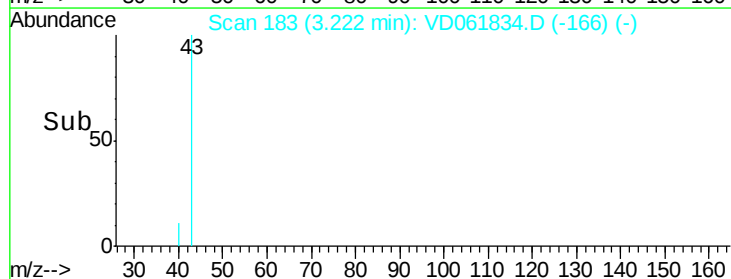
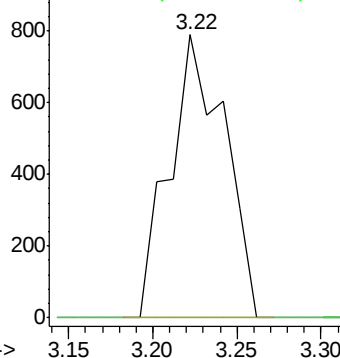


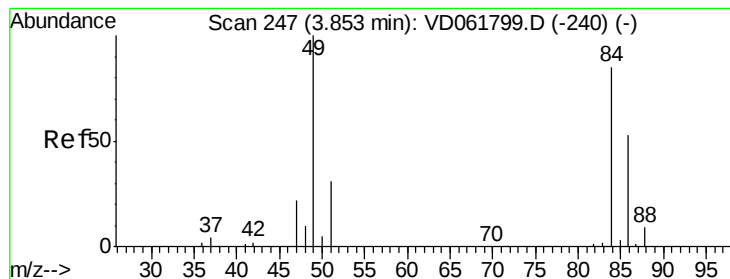
#16
Acetone
Concen: 28.850 ug/l
RT: 3.22 min Scan# 183
Delta R.T. -0.03 min
Lab File: VD061834.D
Acq: 17 Apr 2019 4:40

Tgt Ion: 43 Resp: 1790
Ion Ratio Lower Upper
43 100
58 0.0 19.9 29.9#



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





#20

Methylene Chloride

Concen: 12.222 ug/l

RT: 3.83 min Scan# 245

Delta R.T. -0.02 min

Lab File: VD061834.D

Acq: 17 Apr 2019 4:40

Instrument :

MSVOA_D

ClientSampleId :

Tot Ion: 84 Resp: 4838

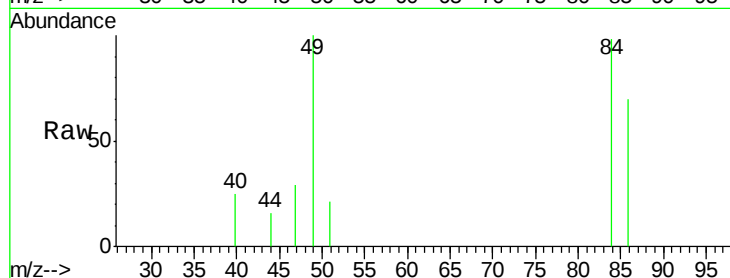
Ion Ratio Lower Upper

84 100

49 102.1 94.0 141.0

51 21.5 29.0 43.4#

86 71.5 49.8 74.6

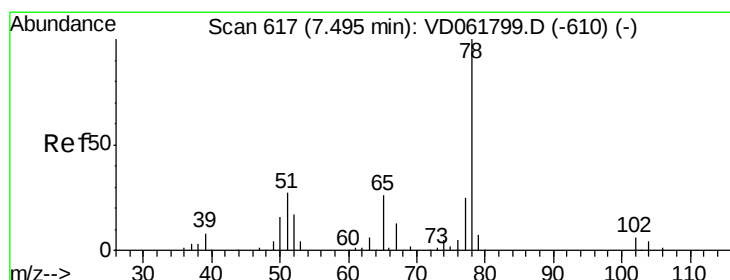
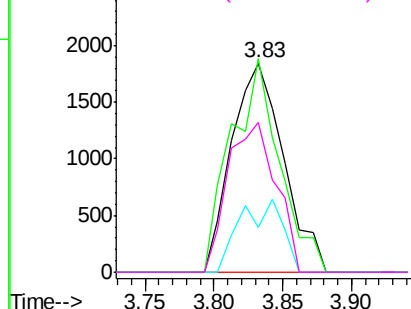
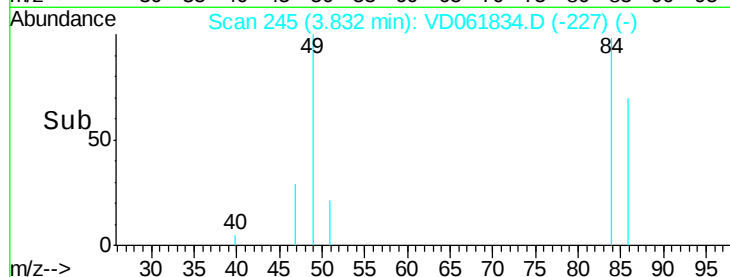


Abundance Ion 83.95 (83.65 to 84.65): VDC

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



#33

1,2-Dichloroethane-d4

Concen: N.D. ug/l

RT: 7.46 min Scan# 613

Delta R.T. -0.04 min

Lab File: VD061834.D

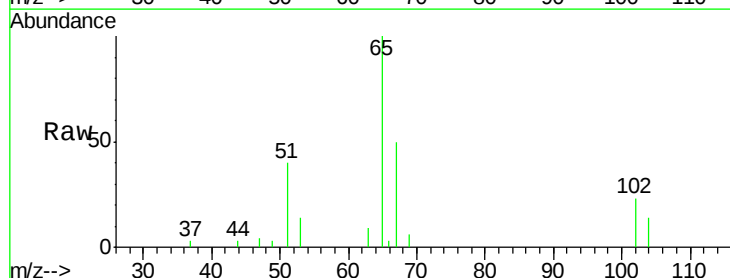
Acq: 17 Apr 2019 4:40

Tgt Ion: 65 Resp: 36024

Ion Ratio Lower Upper

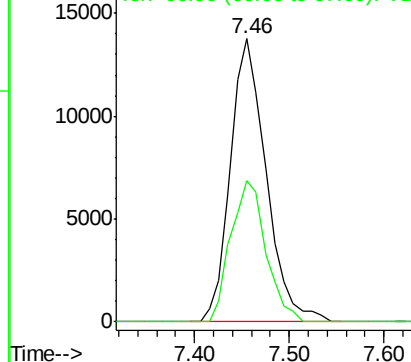
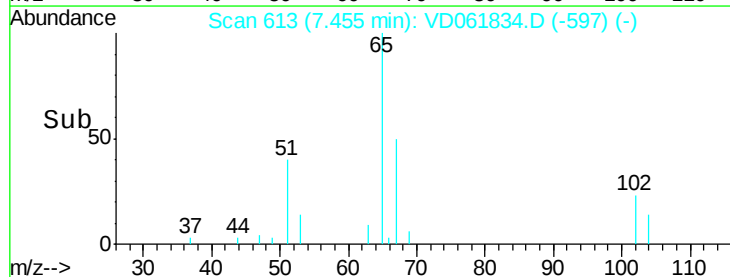
65 100

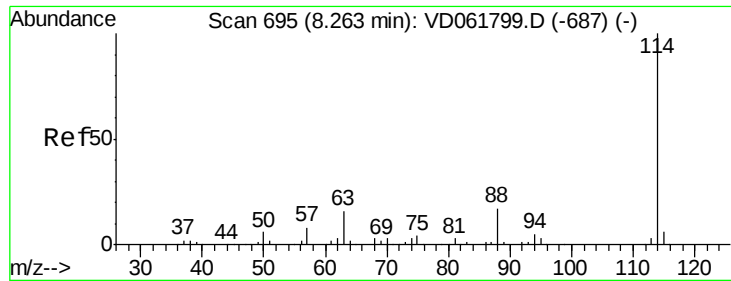
67 49.7 0.0 98.0



Abundance Ion 64.95 (64.65 to 65.65): VDC

Ion 66.90 (66.60 to 67.60): VDC

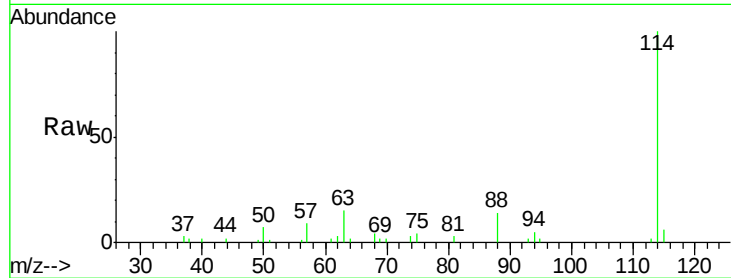




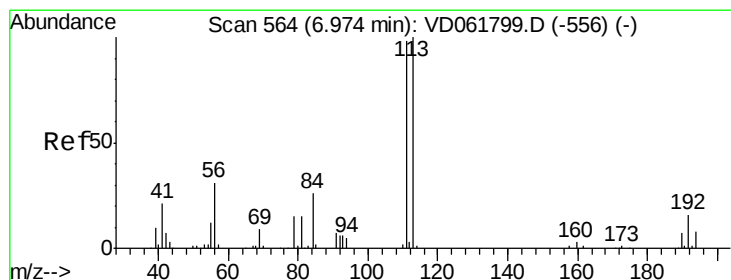
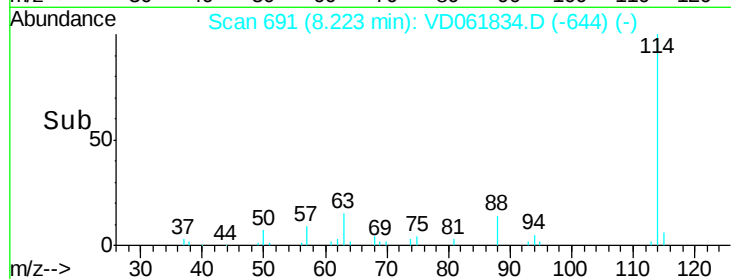
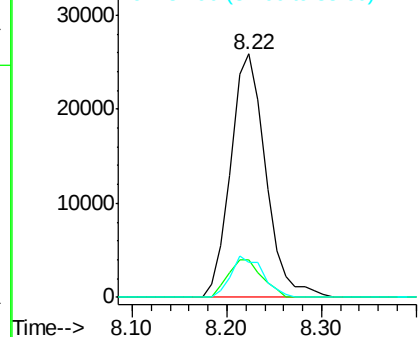
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.22 min Scan# 691
 Delta R.T. -0.04 min
 Lab File: VD061834.D
 Acq: 17 Apr 2019 4:40

Instrument :
 MSVOA_D
 ClientSampleId :

Tot Ion:114 Resp: 66510
 Ion Ratio Lower Upper
 114 100
 63 15.4 0.0 32.4
 88 14.4 0.0 33.6

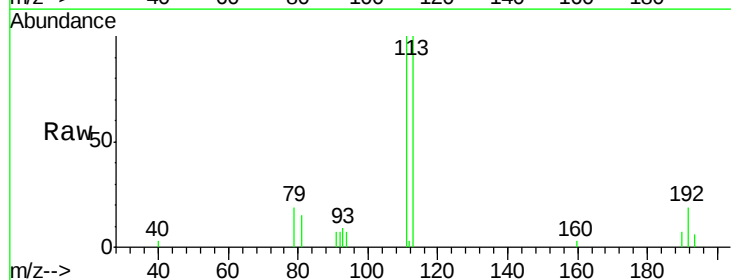


Abundance Ion 114.00 (113.70 to 114.70): V
 Ion 62.95 (62.65 to 63.65): V
 Ion 87.90 (87.60 to 88.60): V

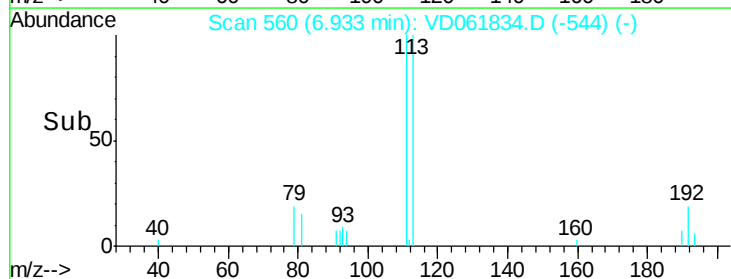
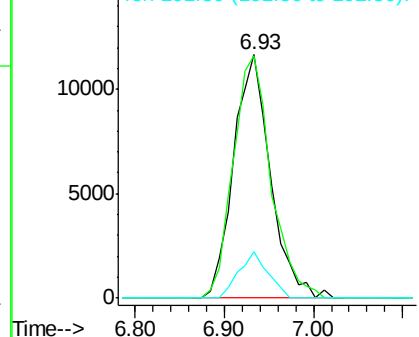


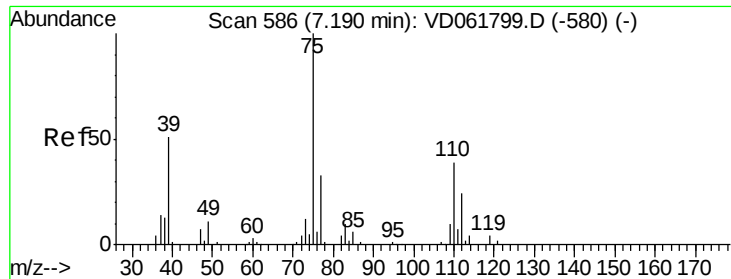
#35
 Dibromofluoromethane
 Concen: 50.000 ug/l
 RT: 6.93 min Scan# 560
 Delta R.T. -0.04 min
 Lab File: VD061834.D
 Acq: 17 Apr 2019 4:40

Tgt Ion:113 Resp: 33563
 Ion Ratio Lower Upper
 113 100
 111 99.7 78.5 117.7
 192 18.9 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: 3.560 ug/l

RT: 7.04 min Scan# 571

Delta R.T. -0.15 min

Lab File: VD061834.D

Acq: 17 Apr 2019 4:40

Instrument :

MSVOA_D

ClientSampleId :

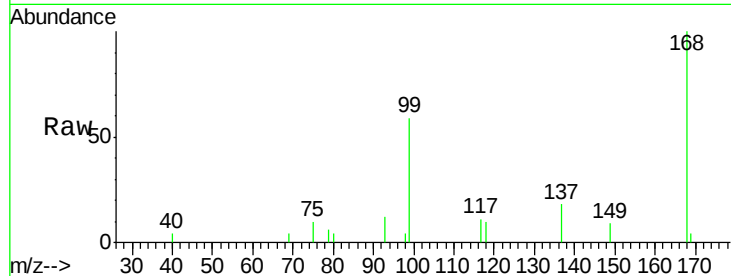
Tot Ion: 75 Resp: 1935

Ion Ratio Lower Upper

75 100

110 0.0 19.1 57.1#

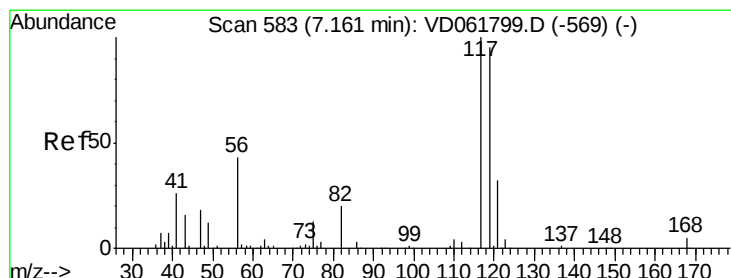
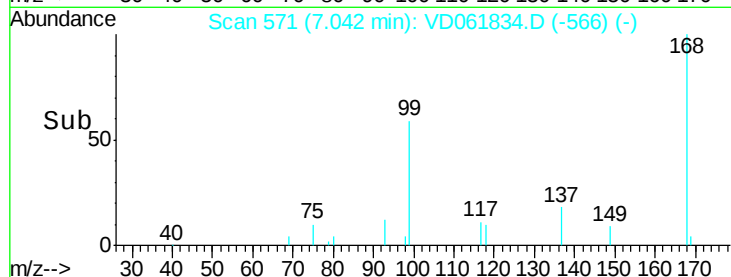
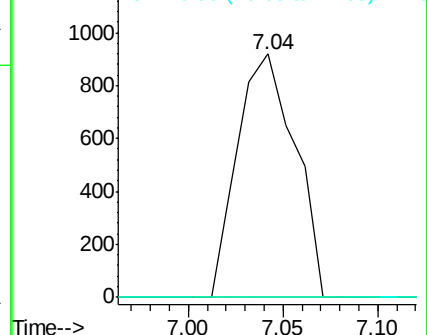
77 0.0 25.6 38.4#



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: 3.209 ug/l

RT: 7.04 min Scan# 571

Delta R.T. -0.12 min

Lab File: VD061834.D

Acq: 17 Apr 2019 4:40

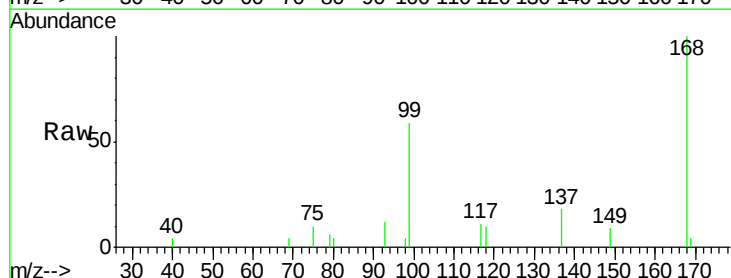
Tgt Ion: 117 Resp: 2202

Ion Ratio Lower Upper

117 100

119 0.0 75.8 113.8#

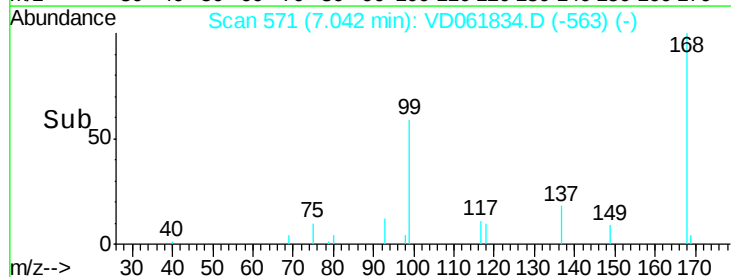
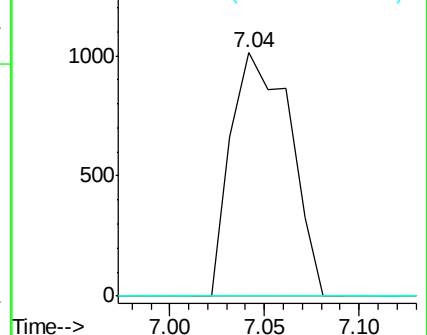
121 0.0 25.9 38.9#

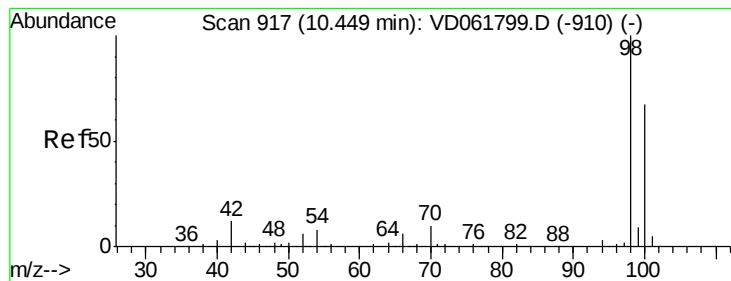


Abundance Ion 116.85 (116.55 to 117.55): V

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: 10.41 min Scan# 913

Delta R.T. -0.04 min

Lab File: VD061834.D

Acq: 17 Apr 2019 4:40

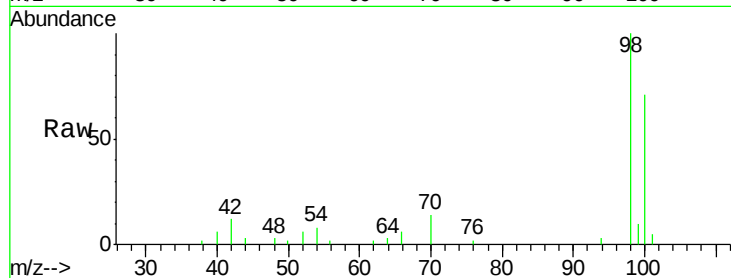
Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 98 Resp: 56846

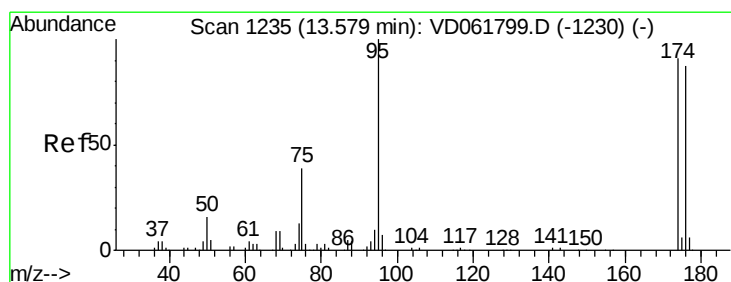
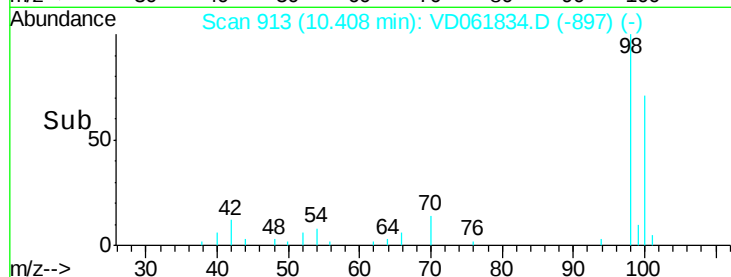
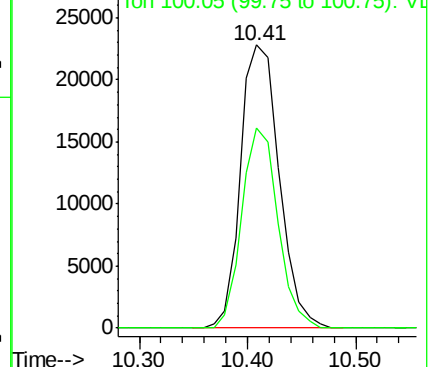
Ion Ratio Lower Upper

98 100

100 70.8 53.8 80.8



Abundance Ion 98.05 (97.75 to 98.75): VD061799.D (-910) (-)



#62

4-Bromofluorobenzene

Concen: N.D. ug/l

RT: 13.56 min Scan# 1233

Delta R.T. -0.02 min

Lab File: VD061834.D

Acq: 17 Apr 2019 4:40

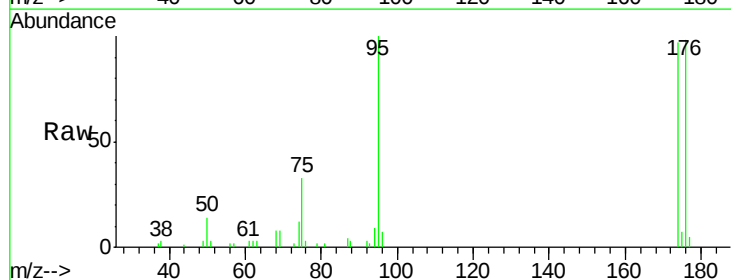
Tgt Ion: 95 Resp: 33300

Ion Ratio Lower Upper

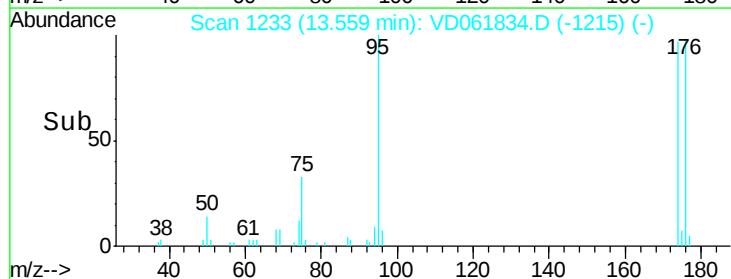
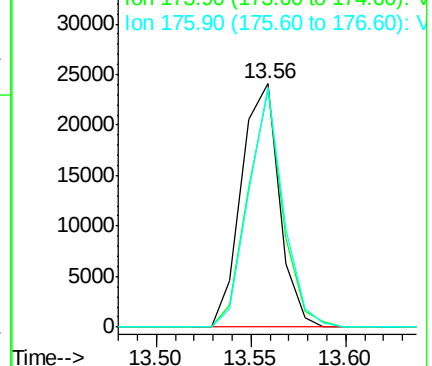
95 100

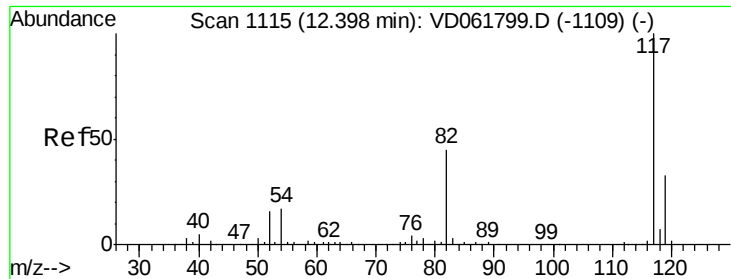
174 97.2 0.0 181.8

176 98.2 0.0 174.4



Abundance Ion 95.00 (94.70 to 95.70): VD061799.D (-1230) (-)

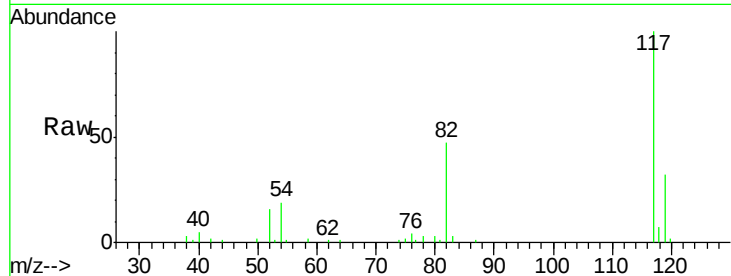




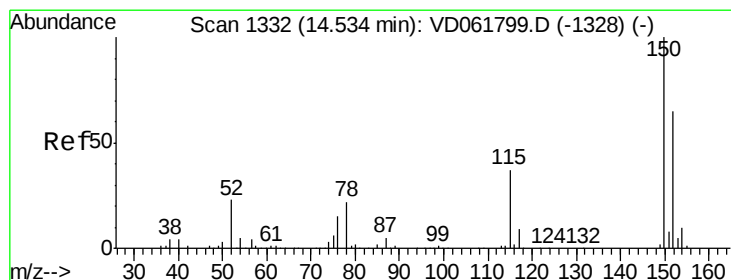
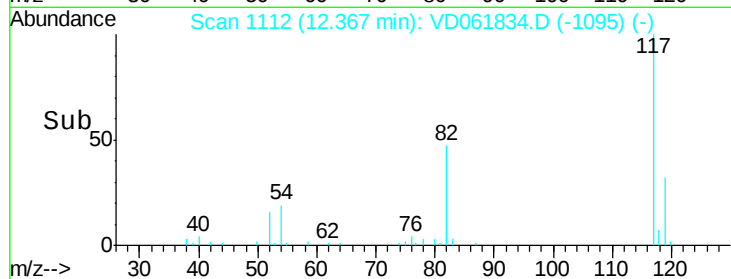
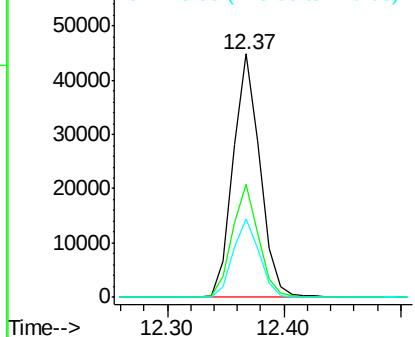
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 12.37 min Scan# 1112
Delta R.T. -0.03 min
Lab File: VD061834.D
Acq: 17 Apr 2019 4:40

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion:117 Resp: 71557
Ion Ratio Lower Upper
117 100
82 46.5 36.2 54.2
119 32.0 26.2 39.4

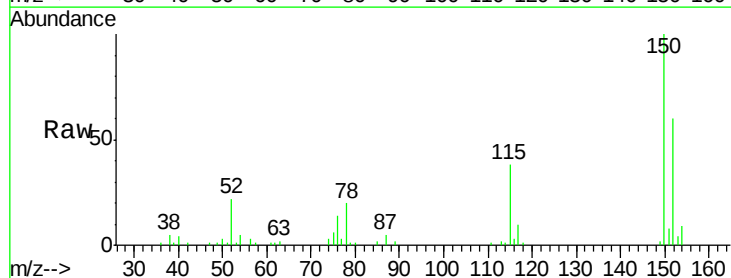


Abundance Ion 116.95 (116.65 to 117.65): V
Ion 82.05 (81.75 to 82.75): V
Ion 118.95 (118.65 to 119.65): V

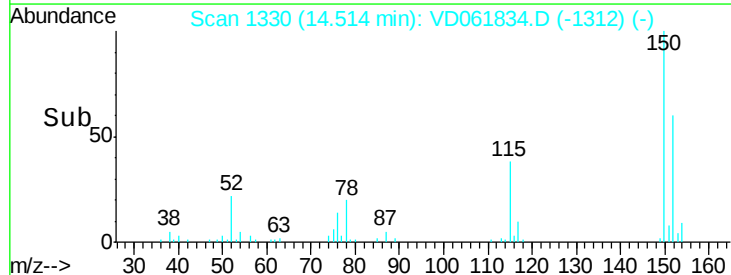
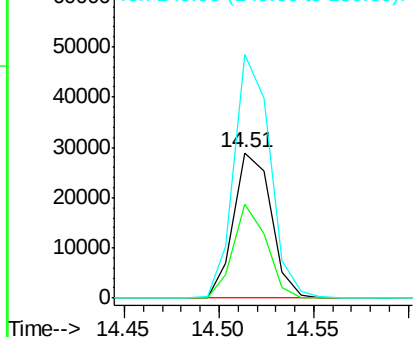


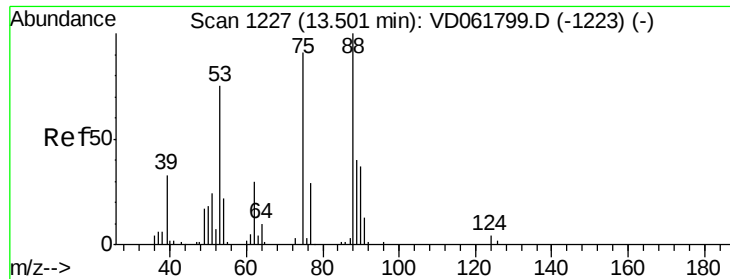
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 14.51 min Scan# 1330
Delta R.T. -0.02 min
Lab File: VD061834.D
Acq: 17 Apr 2019 4:40

Tgt Ion:152 Resp: 39367
Ion Ratio Lower Upper
152 100
115 64.4 30.9 92.7
150 167.8 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: 72.772 ug/l

RT: 13.55 min Scan# 1232

Delta R.T. 0.05 min

Lab File: VD061834.D

Acq: 17 Apr 2019 4:40

Instrument :

MSVOA_D

ClientSampleId :

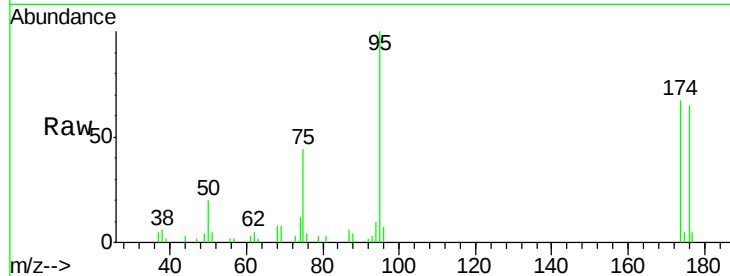
Tot Ion: 75 Resp: 12466

Ion Ratio Lower Upper

75 100

53 0.0 65.8 98.8#

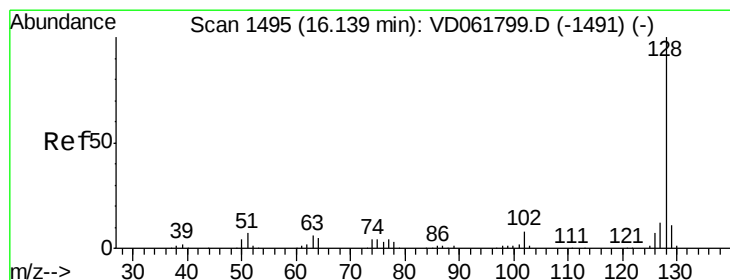
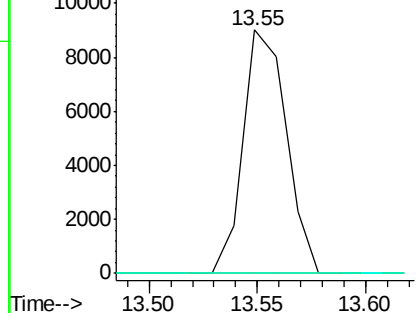
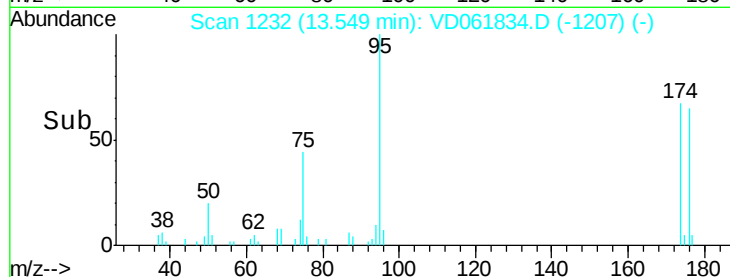
89 0.0 35.0 52.6#



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: 1.002 ug/l

RT: 16.13 min Scan# 1494

Delta R.T. -0.01 min

Lab File: VD061834.D

Acq: 17 Apr 2019 4:40

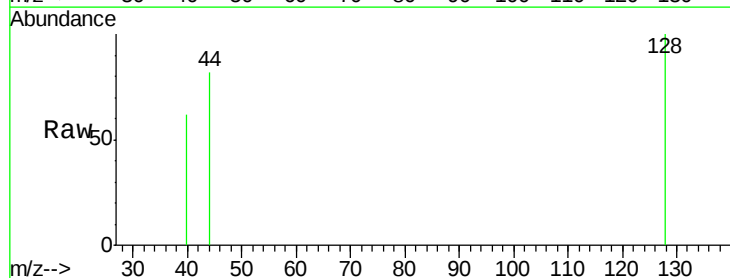
Tgt Ion: 128 Resp: 895

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

