

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD041619\
 Data File : VD061829.D
 Acq On : 17 Apr 2019 2:20
 Operator : VA/AP
 Sample : K2390-03
 Misc : 7.14g/5ml/MSVOA D/SOIL
 ALS Vial : 34 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Apr 17 03:46:33 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	443707	50.00	ug/l	-0.04
34) 1,4-Difluorobenzene	8.23	114	762178	50.00	ug/l	-0.03
63) Chlorobenzene-d5	12.37	117	550539	50.00	ug/l	-0.03
72) 1,4-Dichlorobenzene-d4	14.52	152	178403	50.00	ug/l	-0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	7.46	65	198665	53.42	ug/l	-0.04
Spiked Amount				50.000		
			Recovery	=	106.84%	
35) Dibromofluoromethane	6.93	113	283481	49.23	ug/l	-0.04
Spiked Amount				50.000		
			Recovery	=	98.46%	
50) Toluene-d8	10.42	98	599707	43.95	ug/l	-0.03
Spiked Amount				50.000		
			Recovery	=	87.90%	
62) 4-Bromofluorobenzene	13.56	95	187523	33.91	ug/l	-0.02
Spiked Amount				50.000		
			Recovery	=	67.82%	

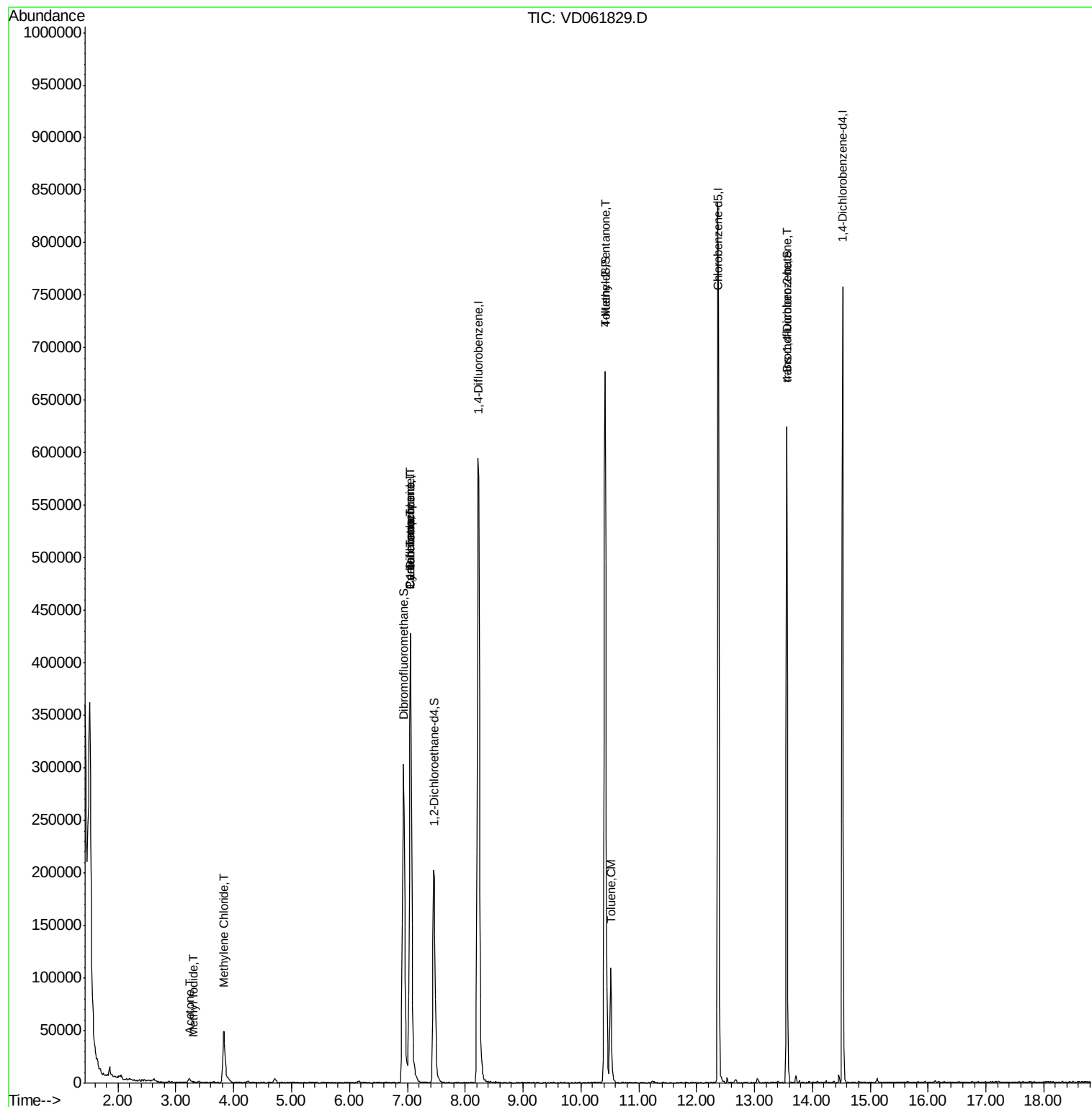
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	2.17	94	559	Below Cal	#	12
10) Methyl Iodide	3.32	142	452	3.568	ug/l #	37
16) Acetone	3.23	43	7864	8.580	ug/l #	87
20) Methylene Chloride	3.82	84	40813	4.813	ug/l #	98
31) Cyclohexane	7.05	56	7765	1.379	ug/l #	1
36) 1,1-Dichloropropene	7.06	75	32287	5.184	ug/l #	47
38) Carbon Tetrachloride	7.05	117	44009	5.596	ug/l #	15
51) 4-Methyl-2-Pentanone	10.42	43	2303	1.004	ug/l #	1
52) Toluene	10.52	92	60607	6.325	ug/l #	100
81) trans-1,4-Dichloro-2-buten	13.56	75	71894	91.705	ug/l #	16

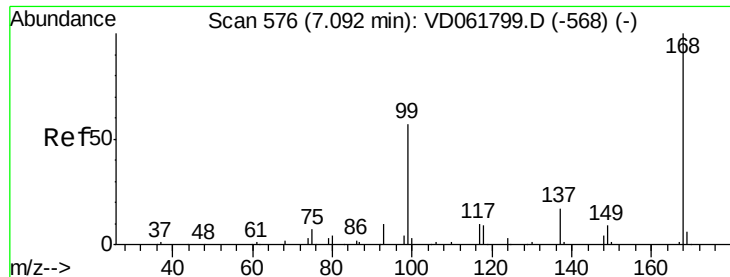
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD041619\
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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: VD061829.D

Acq: 17 Apr 2019 2:20

Instrument :

MSVOA_D

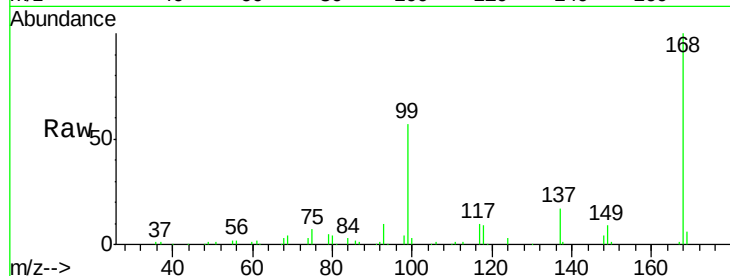
ClientSampleId :

Tot Ion:168 Resp: 443707

Ion Ratio Lower Upper

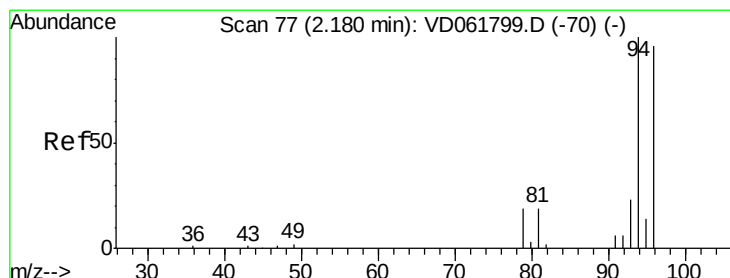
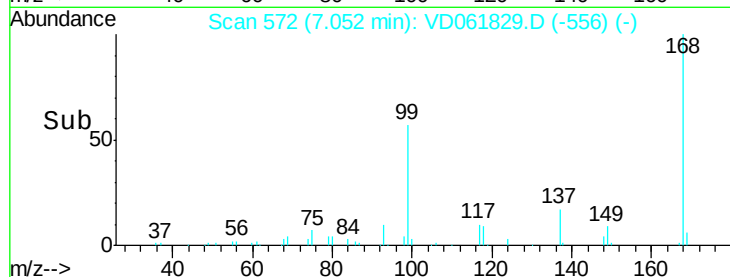
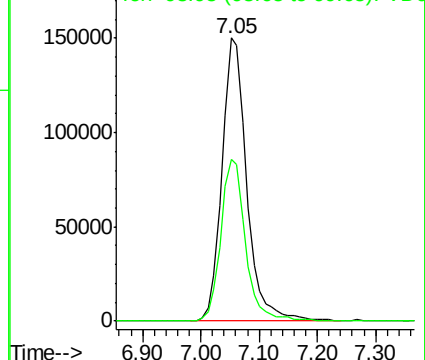
168 100

99 56.9 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: Below Cal

RT: 2.17 min Scan# 76

Delta R.T. -0.01 min

Lab File: VD061829.D

Acq: 17 Apr 2019 2:20

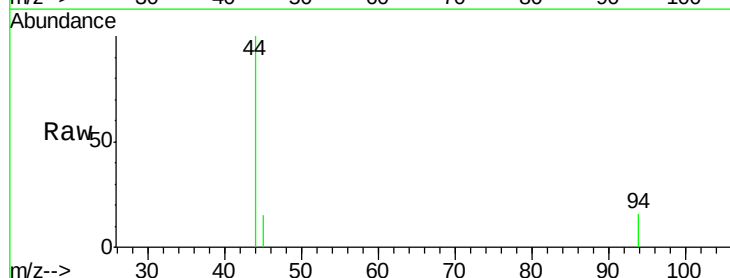
Tgt Ion: 94 Resp: 559

Ion Ratio Lower Upper

94 100

96 0.0 76.6 115.0#

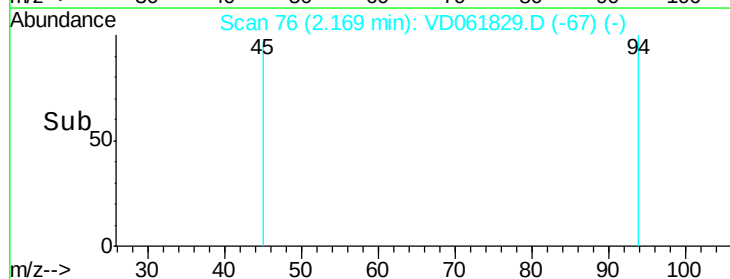
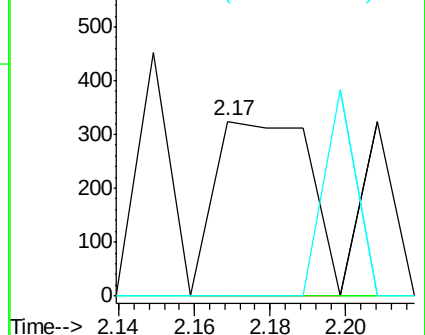
93 0.0 18.5 27.7#

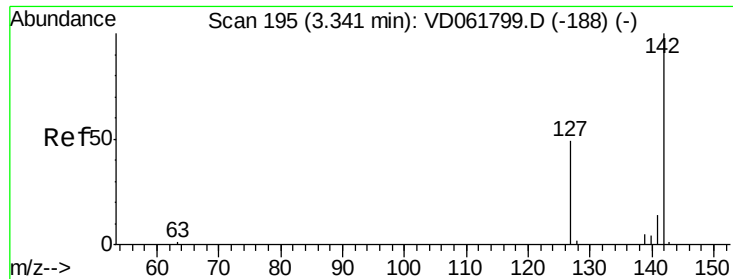


Abundance Ion 94.00 (93.70 to 94.70): VDC

Ion 96.00 (95.70 to 96.70): VDC

Ion 93.00 (92.70 to 93.70): VDC

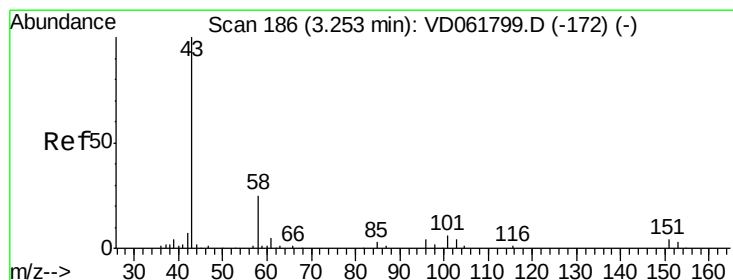
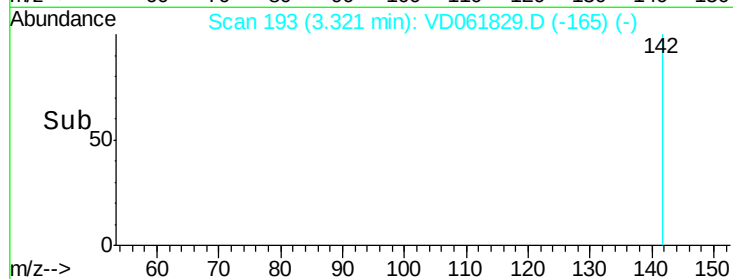
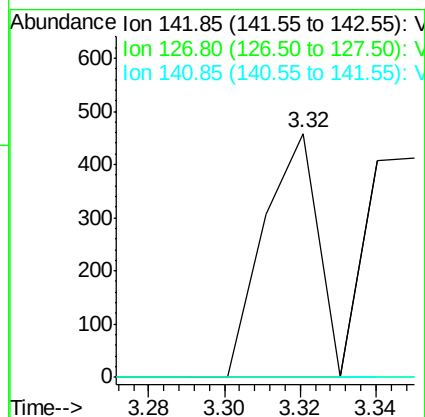
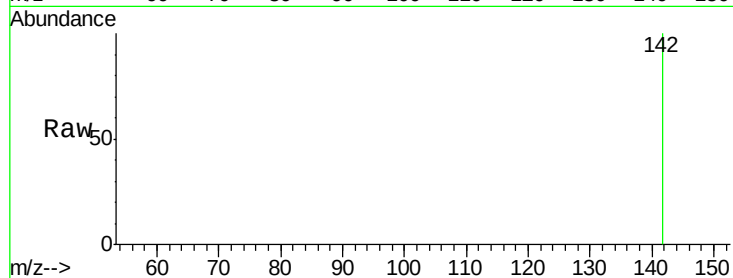




#10
Methvl Iodide
Concen: 3.568 ug/l
RT: 3.32 min Scan# 193
Delta R.T. -0.02 min
Lab File: VD061829.D
Acq: 17 Apr 2019 2:20

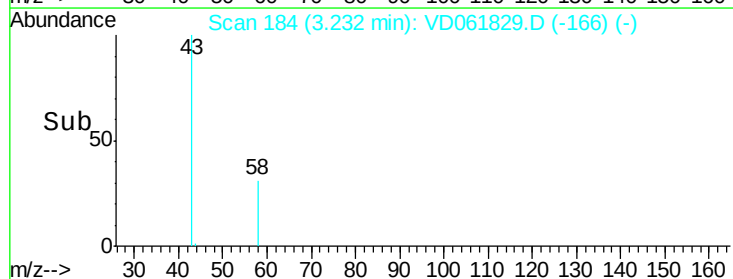
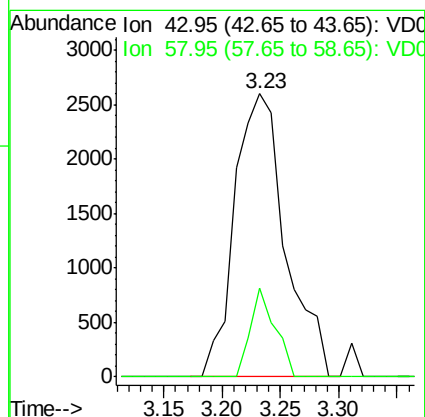
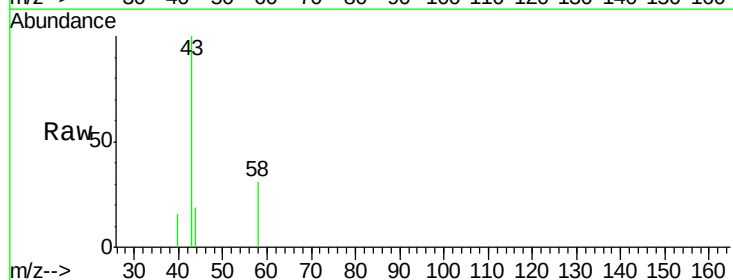
Instrument :
MSVOA_D
ClientSampleId :

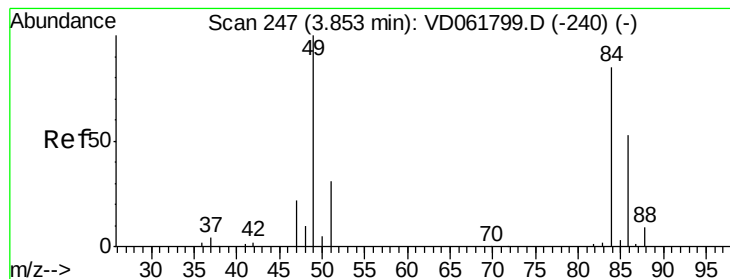
Tot Ion:142 Resp: 452
Ion Ratio Lower Upper
142 100
127 0.0 38.8 58.2#
141 0.0 11.4 17.0#



#16
Acetone
Concen: 8.580 ug/l
RT: 3.23 min Scan# 184
Delta R.T. -0.02 min
Lab File: VD061829.D
Acq: 17 Apr 2019 2:20

Tgt Ion: 43 Resp: 7864
Ion Ratio Lower Upper
43 100
58 31.4 19.9 29.9#





#20

Methvlene Chloride

Concen: 4.813 ug/l

RT: 3.82 min Scan# 244

Delta R.T. -0.03 min

Lab File: VD061829.D

Acq: 17 Apr 2019 2:20

Instrument :

MSVOA_D

ClientSampleId :

Tot Ion: 84 Resp: 40813

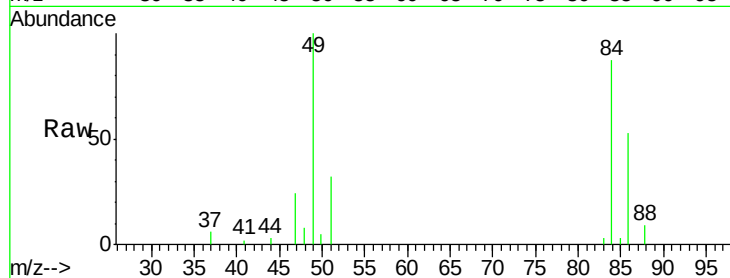
Ion Ratio Lower Upper

84 100

49 114.8 94.0 141.0

51 37.1 29.0 43.4

86 60.6 49.8 74.6

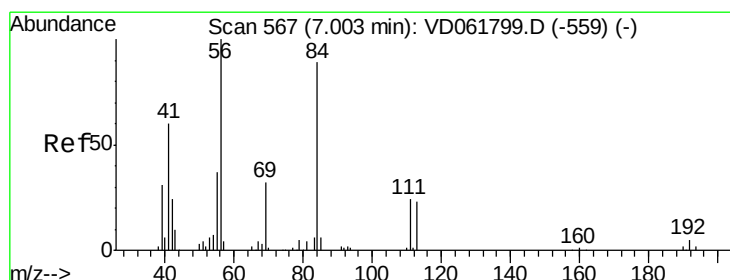
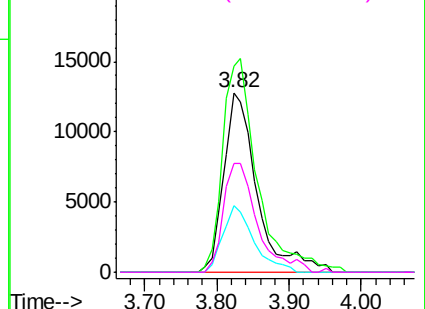
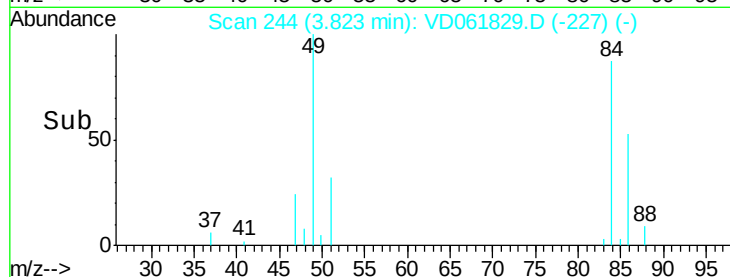


Abundance Ion 83.95 (83.65 to 84.65): VDC

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



#31

Cyclohexane

Concen: 1.379 ug/l

RT: 7.05 min Scan# 572

Delta R.T. 0.05 min

Lab File: VD061829.D

Acq: 17 Apr 2019 2:20

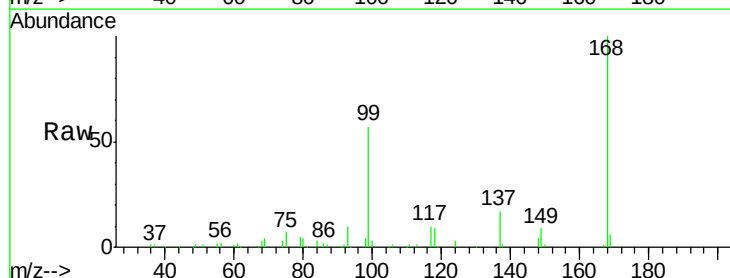
Tgt Ion: 56 Resp: 7765

Ion Ratio Lower Upper

56 100

69 244.0 25.8 38.6#

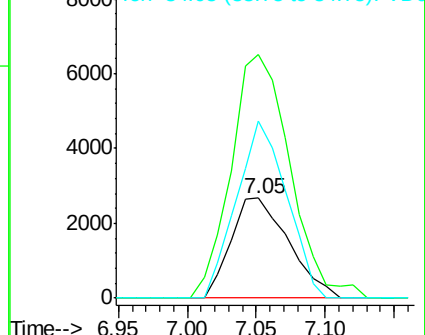
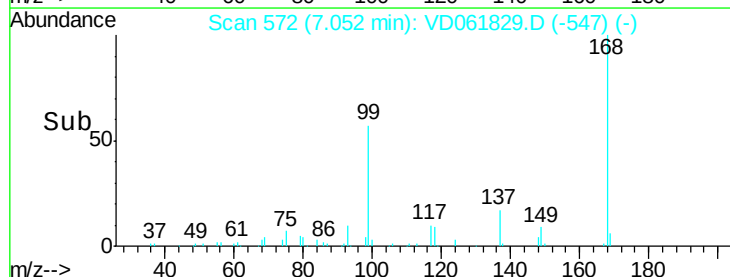
84 177.7 72.2 108.4#

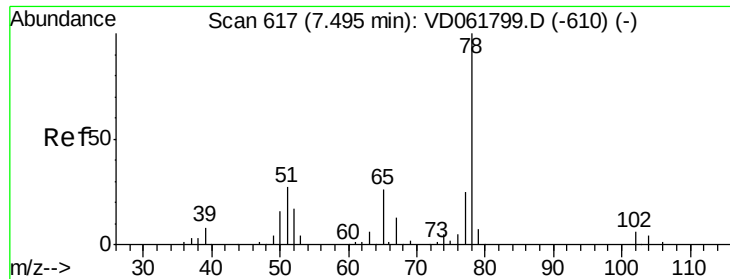


Abundance Ion 55.95 (55.65 to 56.65): VDC

Ion 69.00 (68.70 to 69.70): VDC

Ion 84.05 (83.75 to 84.75): VDC

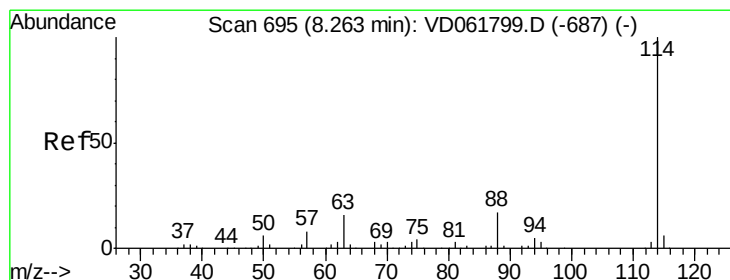
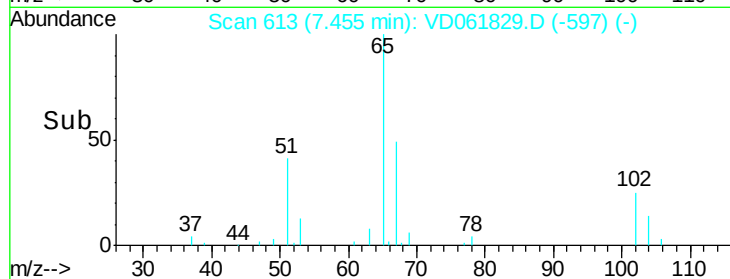
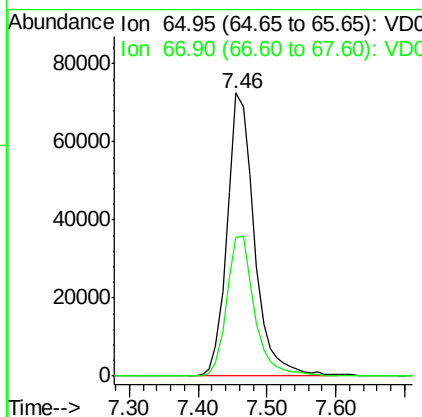
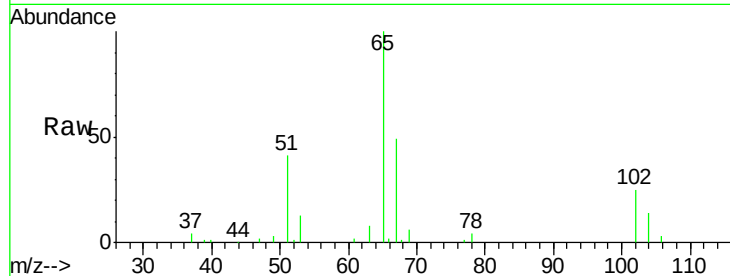




#33
 1,2-Dichloroethane-d4
 Concen: N.D. ug/l
 RT: 7.46 min Scan# 613
 Delta R.T. -0.04 min
 Lab File: VD061829.D
 Acq: 17 Apr 2019 2:20

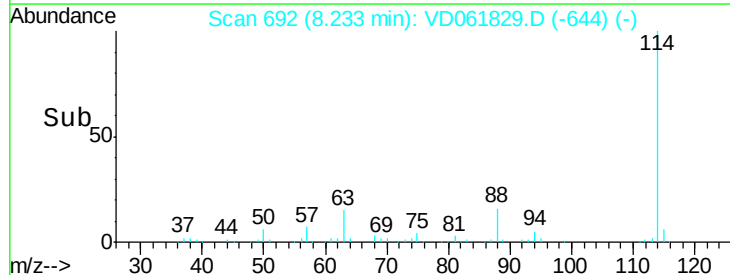
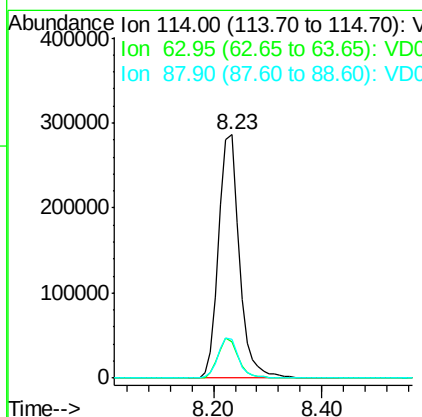
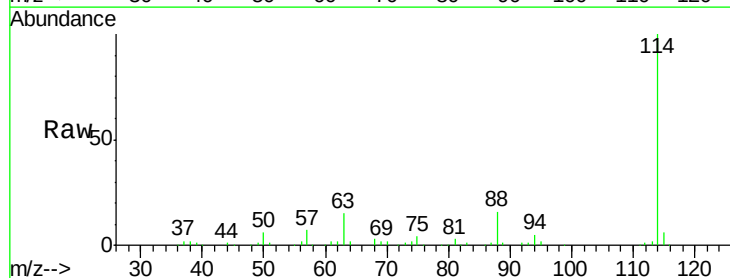
Instrument :
 MSVOA_D
 ClientSampled :

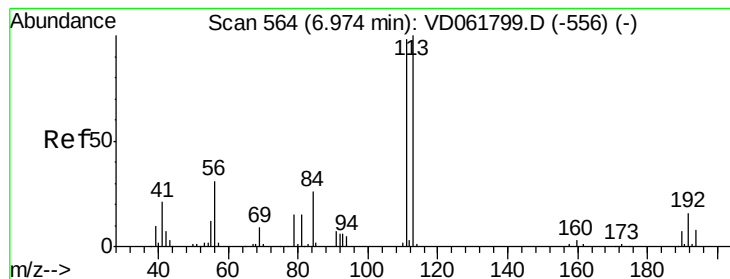
Tot Ion: 65 Resp: 198665
 Ion Ratio Lower Upper
 65 100
 67 49.1 0.0 98.0



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.23 min Scan# 692
 Delta R.T. -0.03 min
 Lab File: VD061829.D
 Acq: 17 Apr 2019 2:20

Tgt Ion: 114 Resp: 762178
 Ion Ratio Lower Upper
 114 100
 63 14.8 0.0 32.4
 88 16.0 0.0 33.6





#35

Dibromofluoromethane

Concen: 50.000 ug/l

RT: 6.93 min Scan# 560

Delta R.T. -0.04 min

Lab File: VD061829.D

Acq: 17 Apr 2019 2:20

Instrument :

MSVOA_D

ClientSampleId :

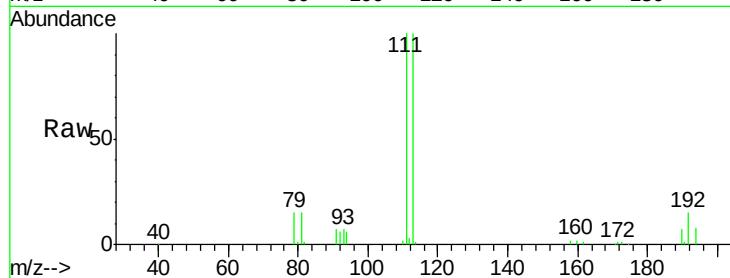
Tot Ion:113 Resp: 283481

Ion Ratio Lower Upper

113 100

111 99.7 78.5 117.7

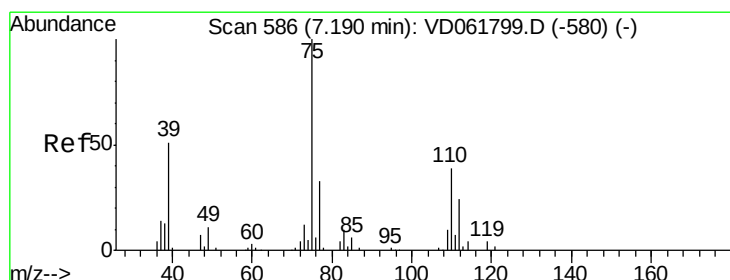
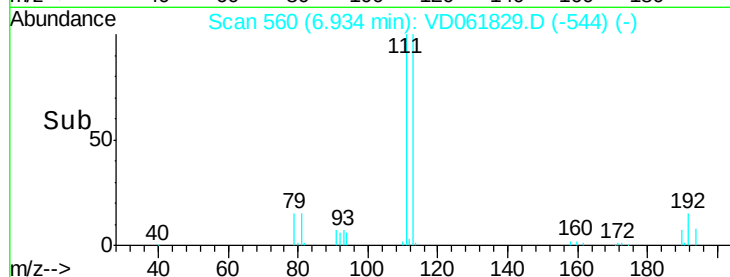
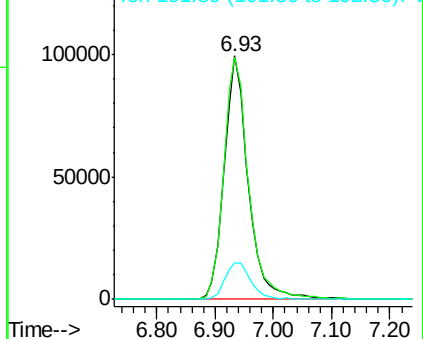
192 15.1 13.0 19.4



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: 5.184 ug/l

RT: 7.06 min Scan# 573

Delta R.T. -0.13 min

Lab File: VD061829.D

Acq: 17 Apr 2019 2:20

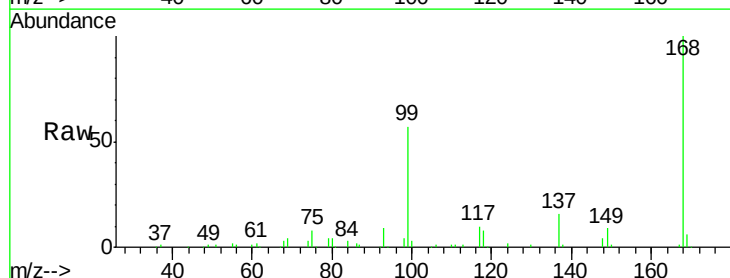
Tgt Ion: 75 Resp: 32287

Ion Ratio Lower Upper

75 100

110 8.4 19.1 57.1#

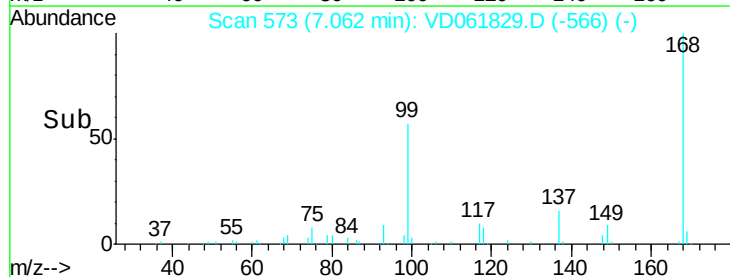
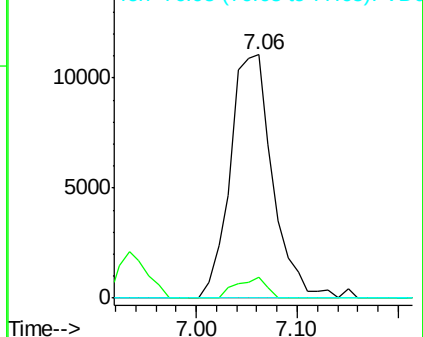
77 0.0 25.6 38.4#

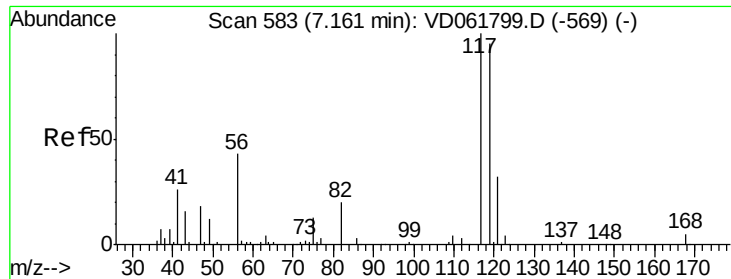


Abundance Ion 75.00 (74.70 to 75.70): V

Ion 109.90 (109.60 to 110.60): V

Ion 76.95 (76.65 to 77.65): V





#38

Carbon Tetrachloride

Concen: 5.596 ug/l

RT: 7.05 min Scan# 572

Delta R.T. -0.11 min

Lab File: VD061829.D

Acq: 17 Apr 2019 2:20

Instrument :

MSVOA_D

ClientSampleId :

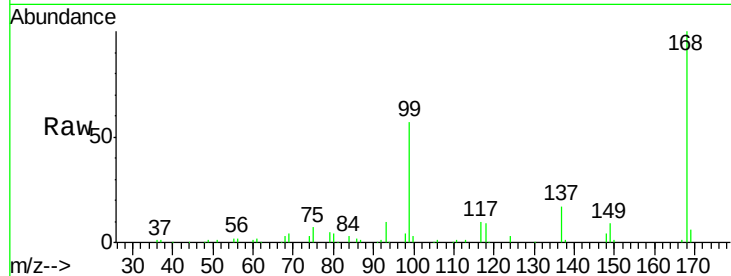
Tot Ion:117 Resp: 44009

Ion Ratio Lower Upper

117 100

119 3.3 75.8 113.8#

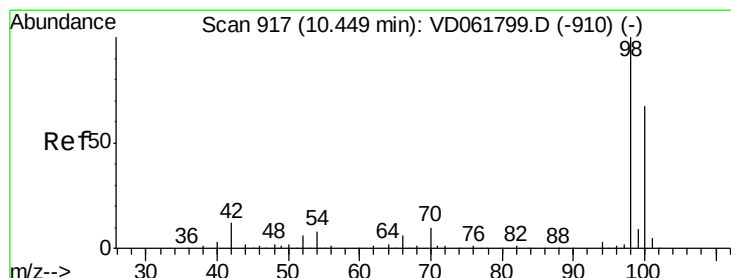
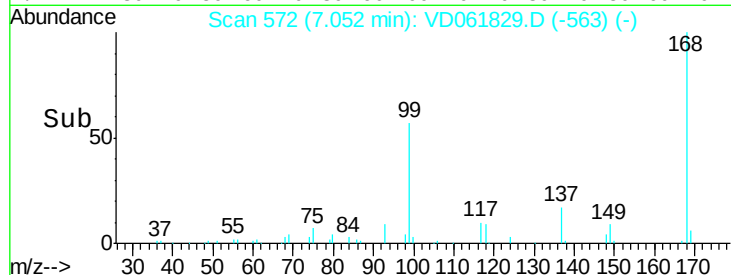
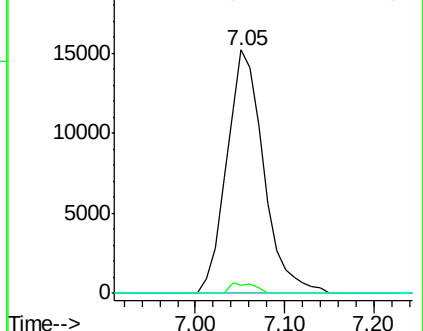
121 0.0 25.9 38.9#



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: 10.42 min Scan# 914

Delta R.T. -0.03 min

Lab File: VD061829.D

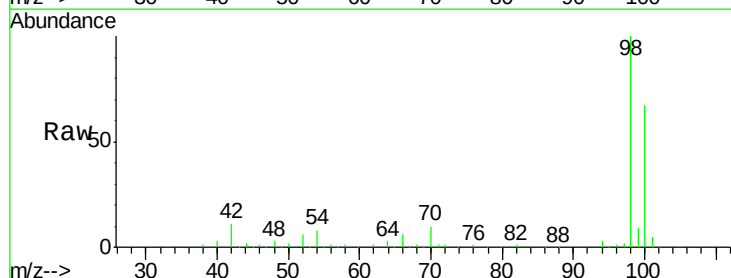
Acq: 17 Apr 2019 2:20

Tgt Ion: 98 Resp: 599707

Ion Ratio Lower Upper

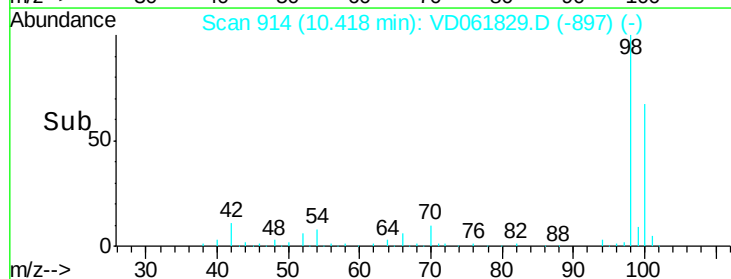
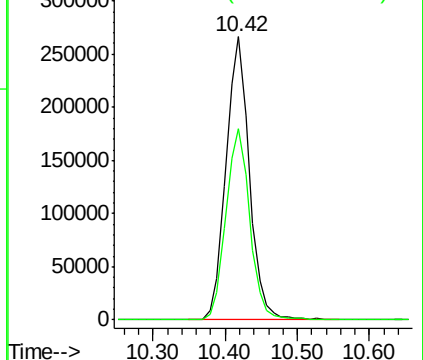
98 100

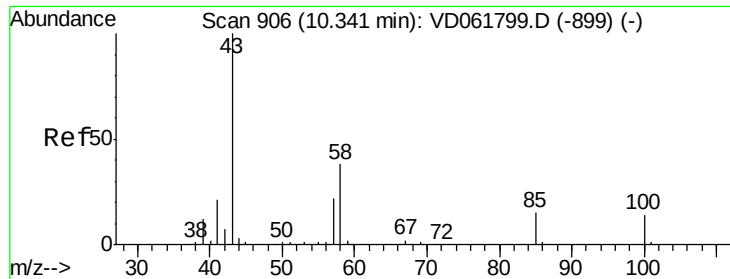
100 67.5 53.8 80.8



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: 1.004 ug/l

RT: 10.42 min Scan# 914

Delta R.T. 0.08 min

Lab File: VD061829.D

Acq: 17 Apr 2019 2:20

Instrument :

MSVOA_D

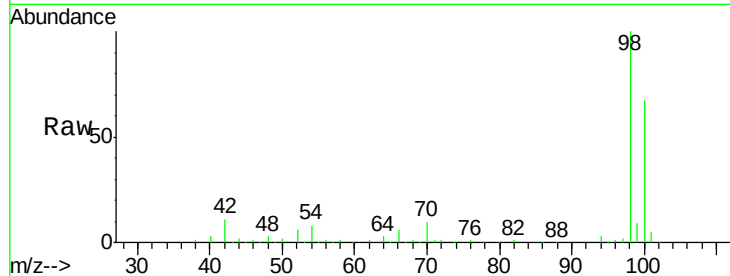
ClientSampled :

Tot Ion: 43 Resp: 2303

Ion Ratio Lower Upper

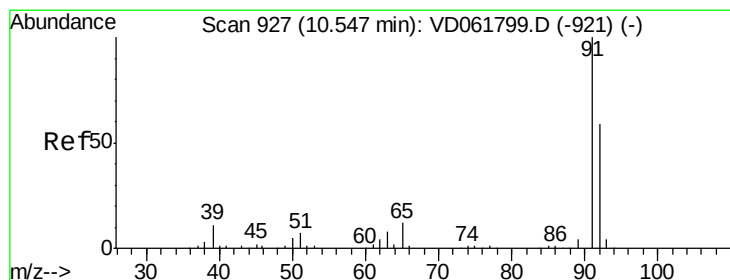
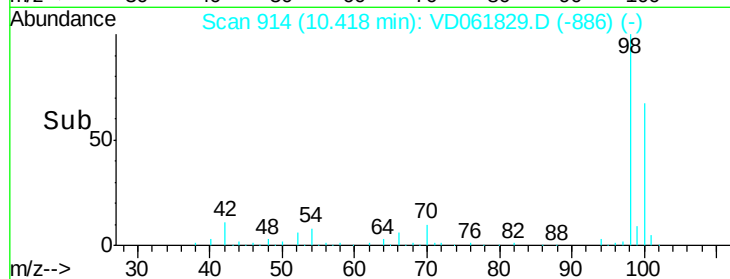
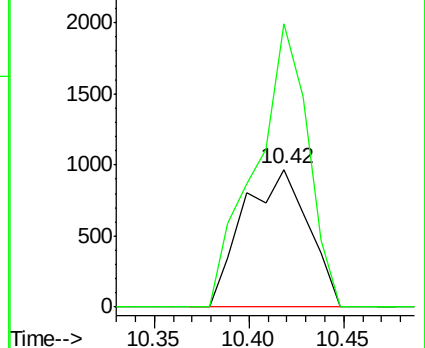
43 100

58 205.0 30.4 45.6#



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC



#52

Toluene

Concen: 6.325 ug/l

RT: 10.52 min Scan# 924

Delta R.T. -0.03 min

Lab File: VD061829.D

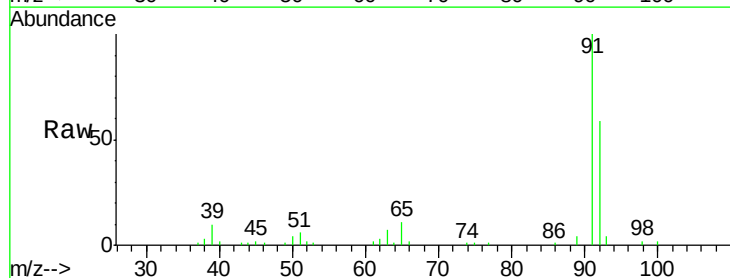
Acq: 17 Apr 2019 2:20

Tgt Ion: 92 Resp: 60607

Ion Ratio Lower Upper

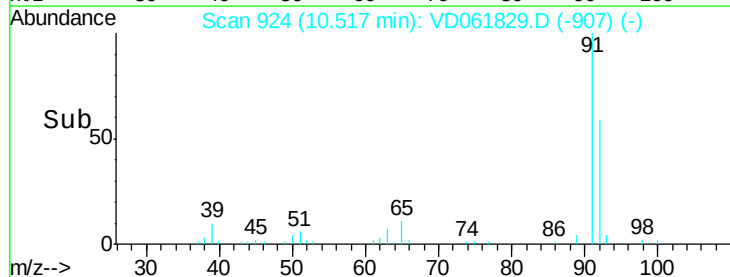
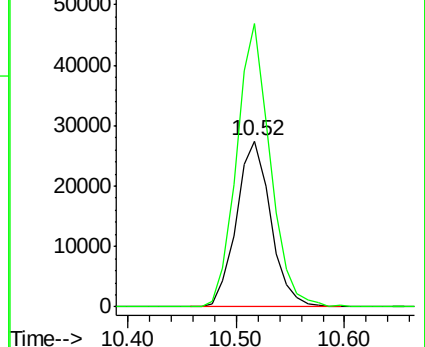
92 100

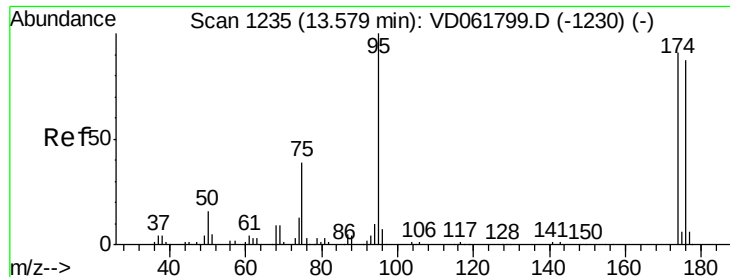
91 170.5 136.6 204.8



Abundance Ion 92.00 (91.70 to 92.70): VDC

Ion 91.00 (90.70 to 91.70): VDC

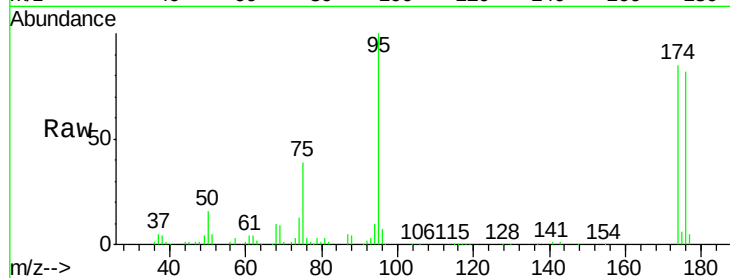




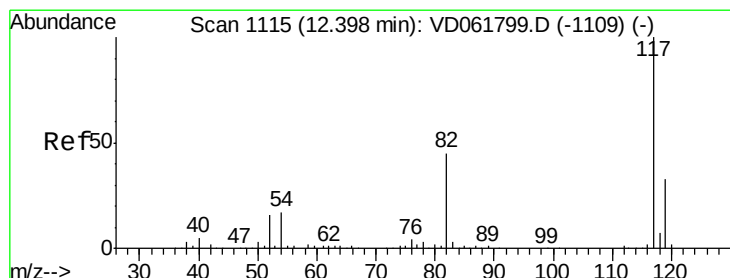
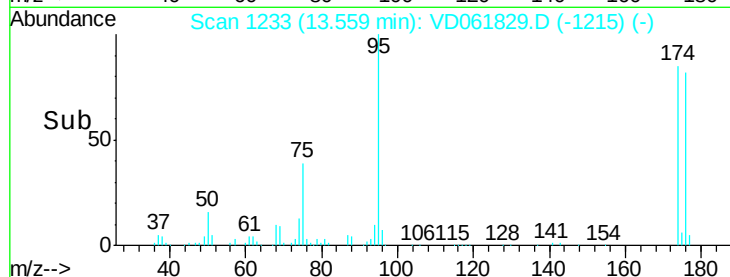
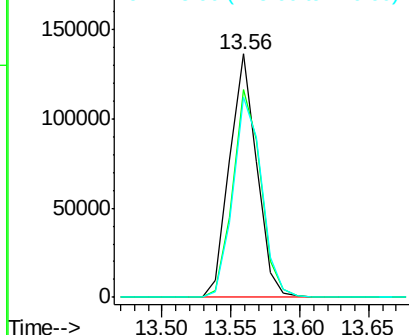
#62
4-Bromofluorobenzene
Concen: N.D. ug/l
RT: 13.56 min Scan# 1233
Delta R.T. -0.02 min
Lab File: VD061829.D
Acq: 17 Apr 2019 2:20

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 95 Resp: 187523
Ion Ratio Lower Upper
95 100
174 85.4 0.0 181.8
176 82.0 0.0 174.4

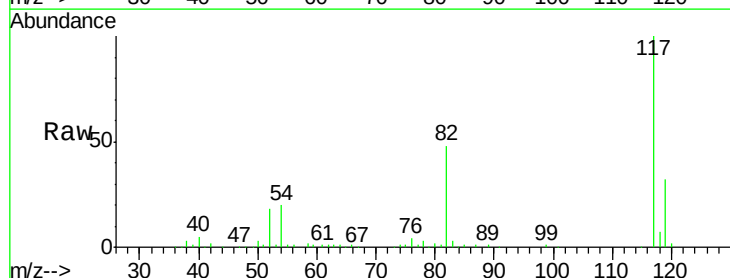


Abundance Ion 95.00 (94.70 to 95.70): V
Ion 173.90 (173.60 to 174.60): V
Ion 175.90 (175.60 to 176.60): V

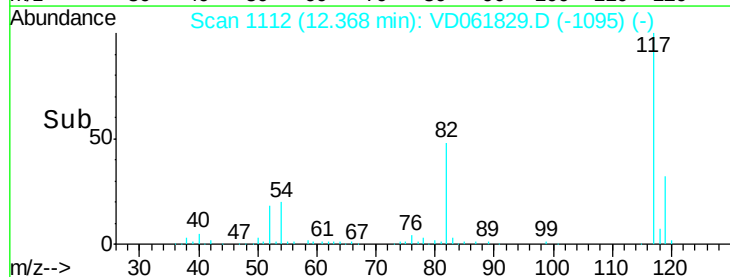
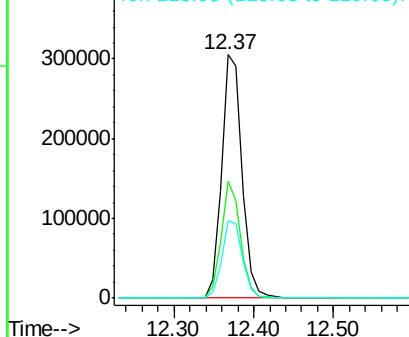


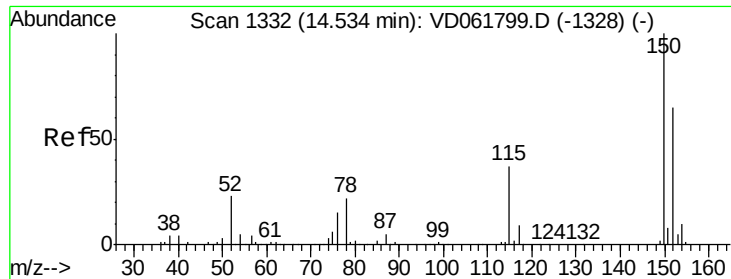
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 12.37 min Scan# 1112
Delta R.T. -0.03 min
Lab File: VD061829.D
Acq: 17 Apr 2019 2:20

Tgt Ion: 117 Resp: 550539
Ion Ratio Lower Upper
117 100
82 48.0 36.2 54.2
119 31.9 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

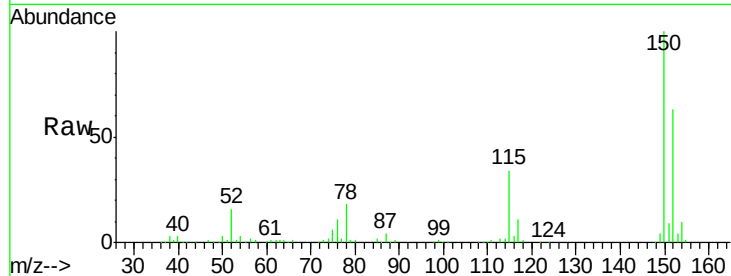




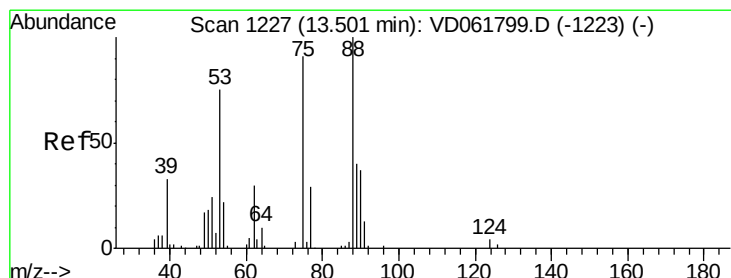
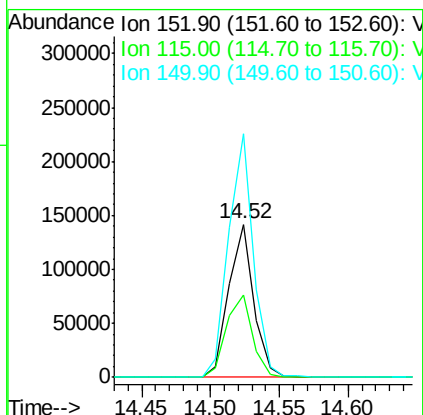
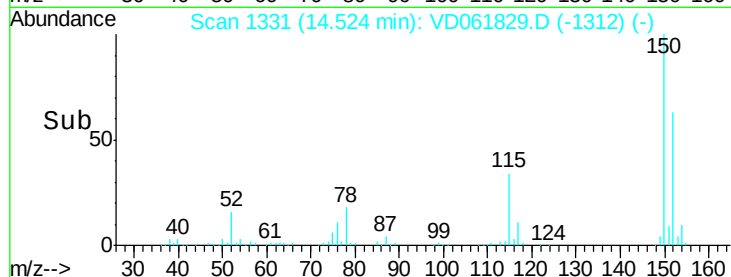
#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 14.52 min Scan# 1331
 Delta R.T. -0.01 min
 Lab File: VD061829.D
 Acq: 17 Apr 2019 2:20

Instrument :
 MSVOA_D
 ClientSampleId :

Tot Ion:152 Resp: 178403
 Ion Ratio Lower Upper
 152 100
 115 53.7 30.9 92.7
 150 159.0 0.0 314.8

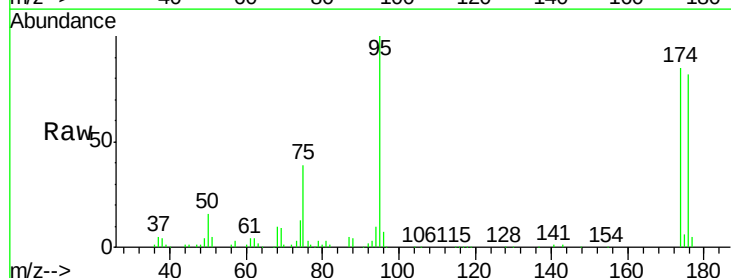


Abundance Ion 151.90 (151.60 to 152.60): V
 Ion 115.00 (114.70 to 115.70): V
 Ion 149.90 (149.60 to 150.60): V



#81
 trans-1,4-Dichloro-2-butene
 Concen: 91.705 ug/l
 RT: 13.56 min Scan# 1233
 Delta R.T. 0.06 min
 Lab File: VD061829.D
 Acq: 17 Apr 2019 2:20

Tgt Ion: 75 Resp: 71894
 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

