

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD042219\
 Data File : VD061940.D
 Acq On : 22 Apr 2019 15:53
 Operator : VA/AP
 Sample : K2201-07
 Misc : 5.98g/5ml/MSVOA D/SOIL
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Apr 22 23:32:44 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	7.05	168	237707	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.21	114	554430	50.00	ug/l	-0.01
63) Chlorobenzene-d5	12.37	117	602131	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	14.51	152	280026	50.00	ug/l	-0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	7.45	65	208805	104.81	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	209.62%	
35) Dibromofluoromethane	6.92	113	279060	66.62	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	133.24%	
50) Toluene-d8	10.41	98	428821	43.21	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	86.42%	
62) 4-Bromofluorobenzene	13.55	95	254954	63.38	ug/l	-0.01
Spiked Amount				50.000		
			Recovery	=	126.76%	

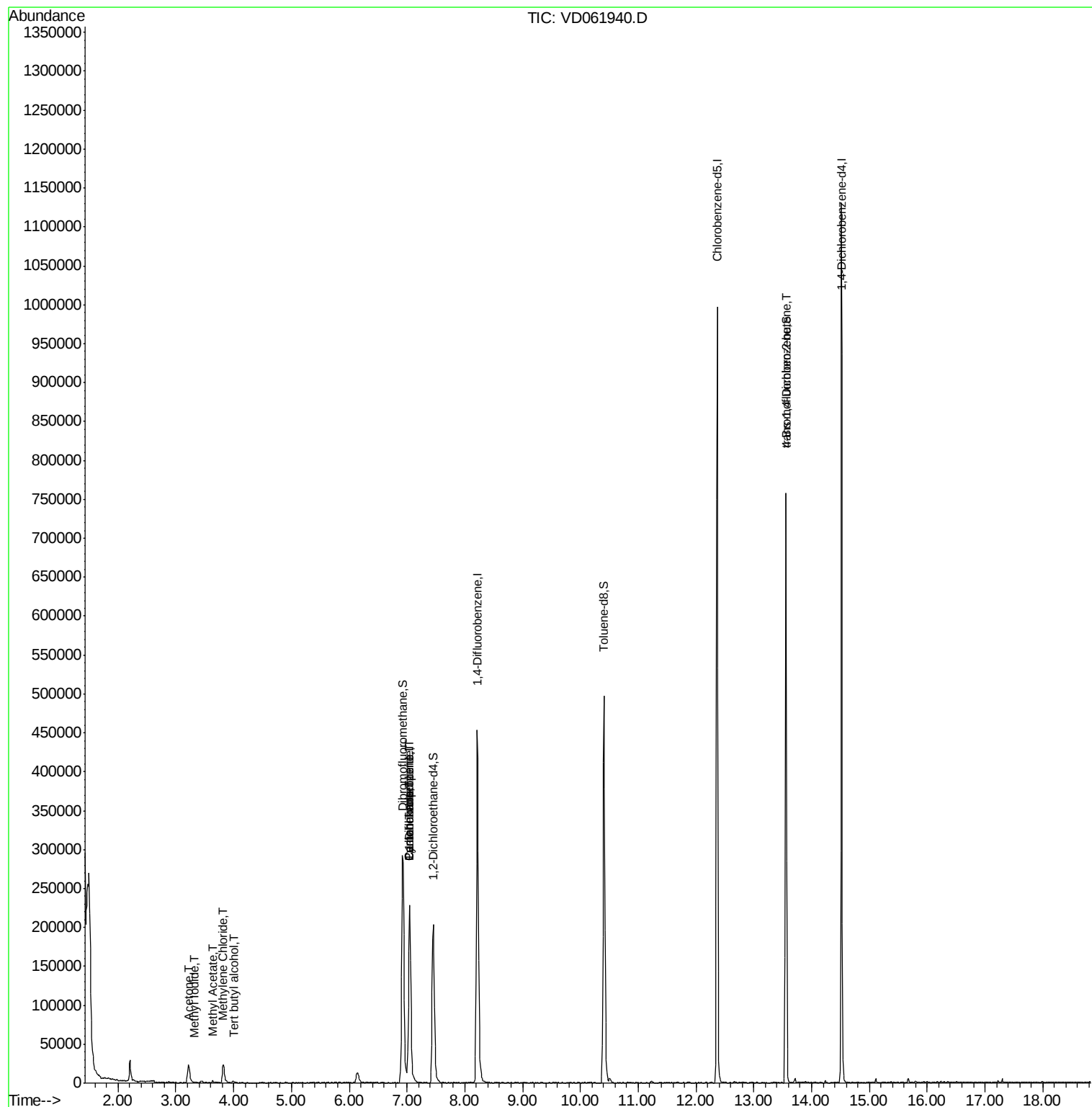
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	2.20	94	1463	Below Cal	#	12
10) Methyl Iodide	3.32	142	507	3.626	ug/l #	37
11) Tert butyl alcohol	3.99	59	2051	17.457	ug/l #	76
16) Acetone	3.22	43	44928	91.502	ug/l	98
18) Methyl Acetate	3.63	43	4620	4.695	ug/l	92
20) Methylene Chloride	3.82	84	18313	3.211	ug/l	90
31) Cyclohexane	7.04	56	3597	1.192	ug/l #	1
36) 1,1-Dichloropropene	7.04	75	16550	3.653	ug/l #	45
38) Carbon Tetrachloride	7.04	117	23153	4.047	ug/l #	16
81) trans-1,4-Dichloro-2-buten	13.55	75	96605	78.984	ug/l #	16

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

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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: 7.05 min Scan# 572

Delta R.T. -0.00 min

Lab File: VD061940.D

Acq: 22 Apr 2019 15:53

Instrument :

MSVOA_D

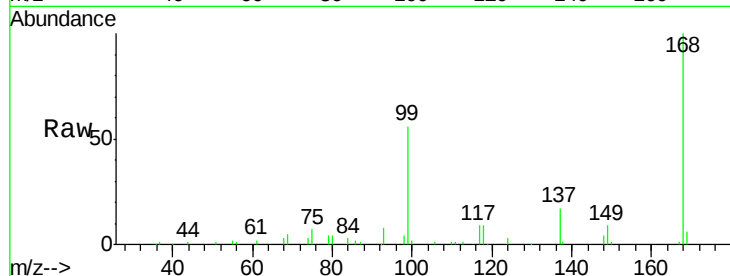
ClientSampleId :

Tot Ion:168 Resp: 237707

Ion Ratio Lower Upper

168 100

99 56.2 46.5 69.7



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): V

7.05

80000

60000

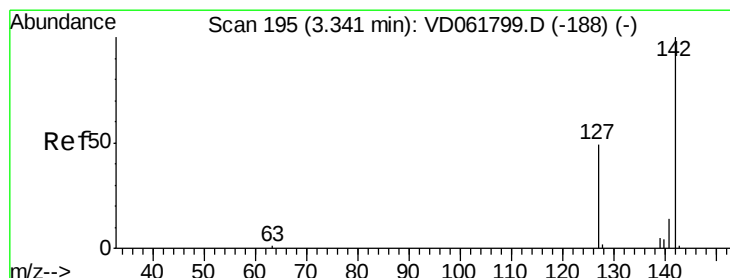
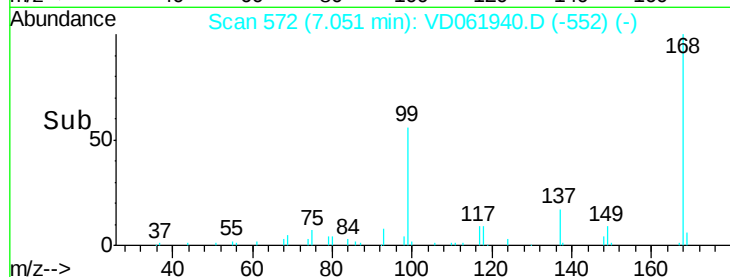
40000

20000

0

Time-->

6.90 7.00 7.10 7.20



#10

Methyl Iodide

Concen: 3.626 ug/l

RT: 3.32 min Scan# 193

Delta R.T. 0.01 min

Lab File: VD061940.D

Acq: 22 Apr 2019 15:53

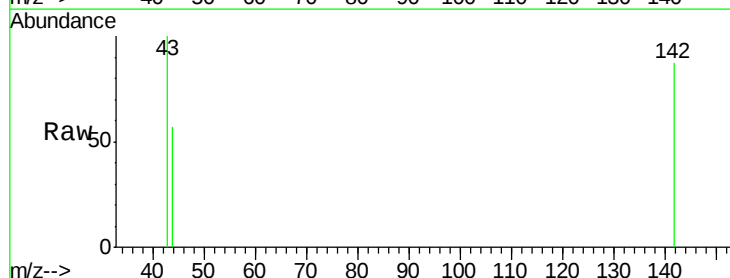
Tgt Ion:142 Resp: 507

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

3.32

600

500

400

300

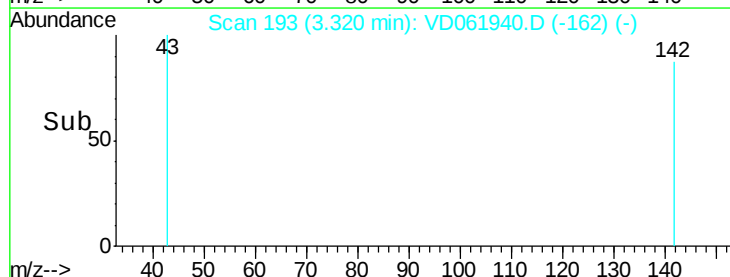
200

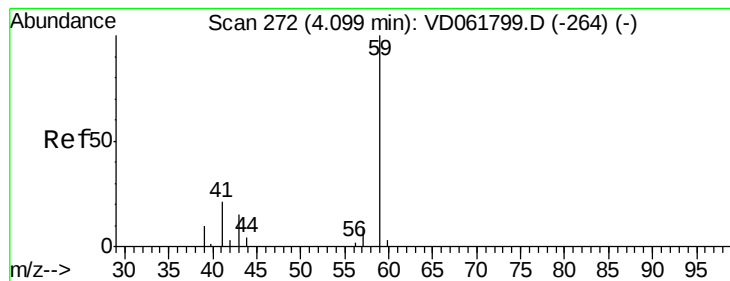
100

0

Time-->

3.28 3.30 3.32 3.34



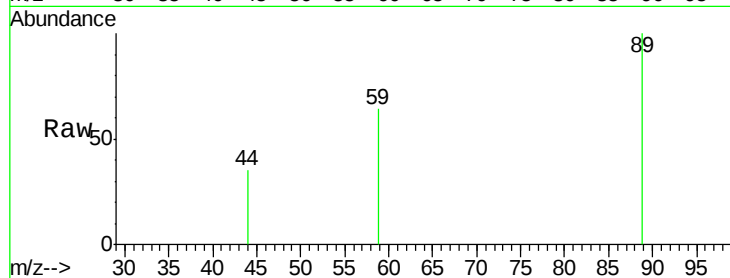


#11

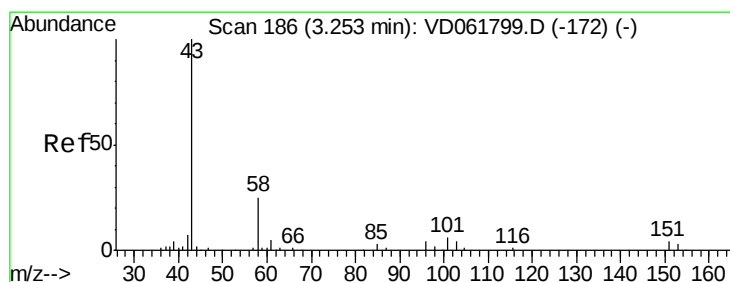
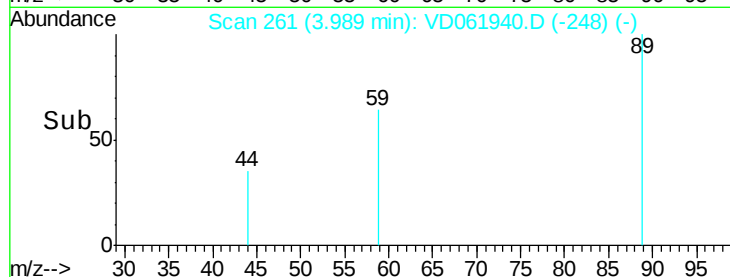
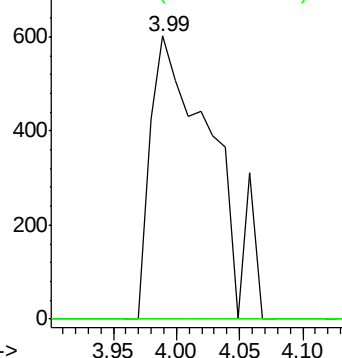
Tert butyl alcohol
 Concen: 17.457 ug/l
 RT: 3.99 min Scan# 261
 Delta R.T. -0.07 min
 Lab File: VD061940.D
 Acq: 22 Apr 2019 15:53

Instrument :
 MSVOA_D
 ClientSampled :

Tot Ion: 59 Resp: 2051
 Ion Ratio Lower Upper
 59 100
 57 0.0 6.9 10.3#



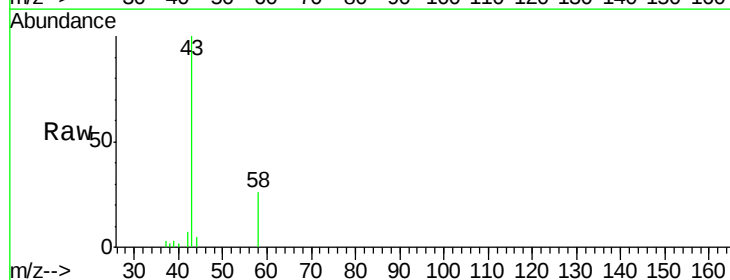
Abundance Ion 58.95 (58.65 to 59.65): VDC
 Ion 56.95 (56.65 to 57.65): VDC



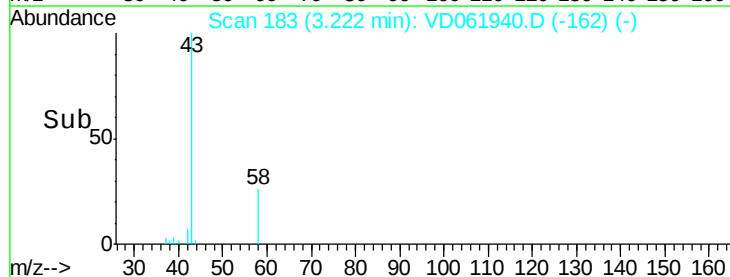
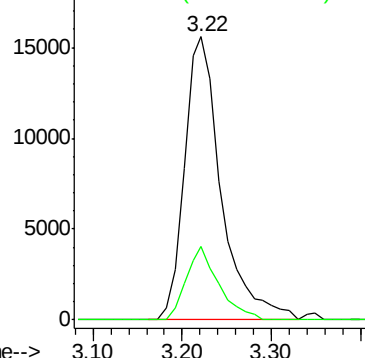
#16

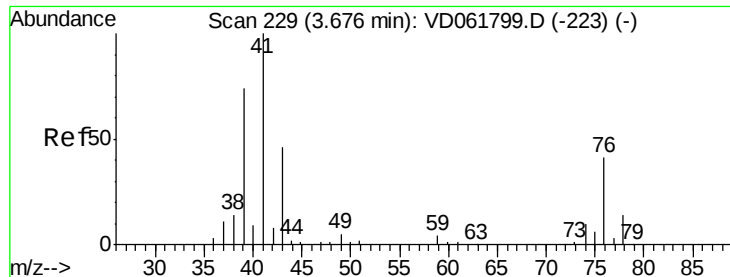
Acetone
 Concen: 91.502 ug/l
 RT: 3.22 min Scan# 183
 Delta R.T. 0.01 min
 Lab File: VD061940.D
 Acq: 22 Apr 2019 15:53

Tgt Ion: 43 Resp: 44928
 Ion Ratio Lower Upper
 43 100
 58 25.9 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: 4.695 ug/l

RT: 3.63 min Scan# 225

Delta R.T. -0.00 min

Lab File: VD061940.D

Acq: 22 Apr 2019 15:53

Instrument :

MSVOA_D

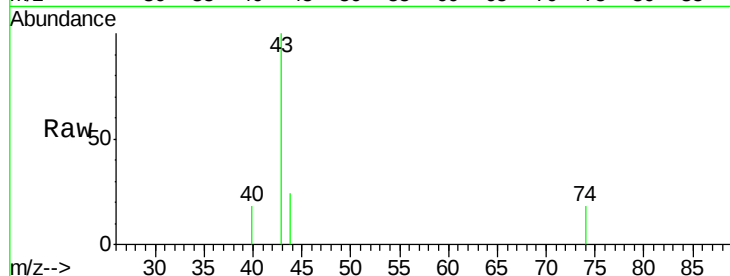
ClientSampleId :

Tot Ion: 43 Resp: 4620

Ion Ratio Lower Upper

43 100

74 18.5 18.0 27.0



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 74.00 (73.70 to 74.70): VDC

2500

2000

1500

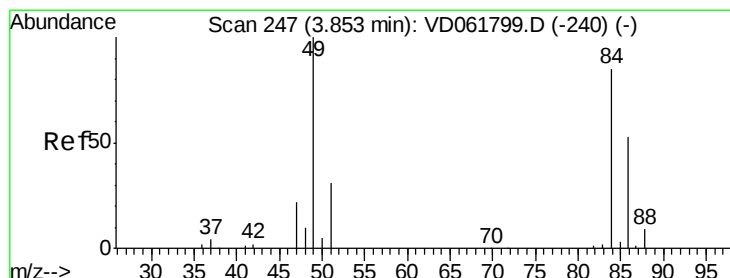
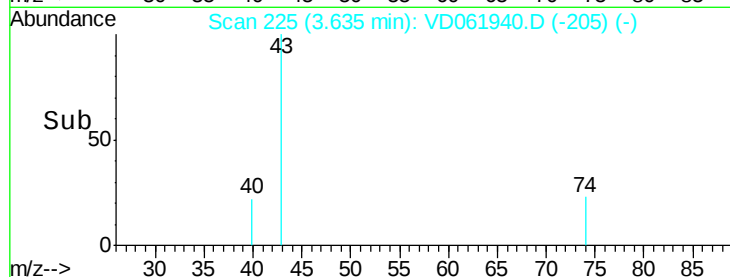
1000

500

0

3.55 3.60 3.65 3.70

Time-->



#20

Methylene Chloride

Concen: 3.211 ug/l

RT: 3.82 min Scan# 244

Delta R.T. 0.01 min

Lab File: VD061940.D

Acq: 22 Apr 2019 15:53

Tgt Ion: 84 Resp: 18313

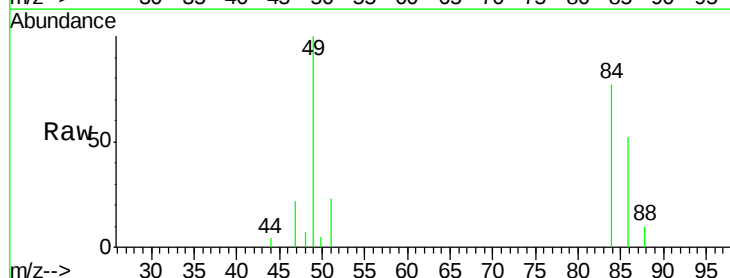
Ion Ratio Lower Upper

84 100

49 129.4 94.0 141.0

51 30.2 29.0 43.4

86 67.4 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

12000

10000

8000

6000

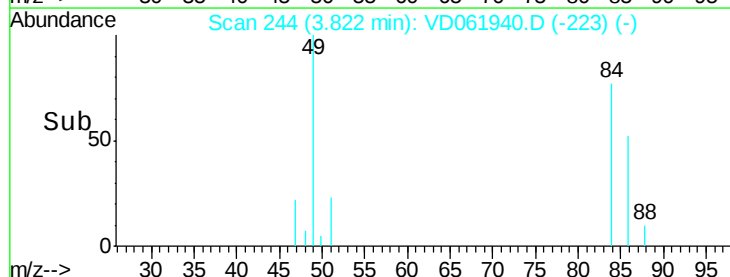
4000

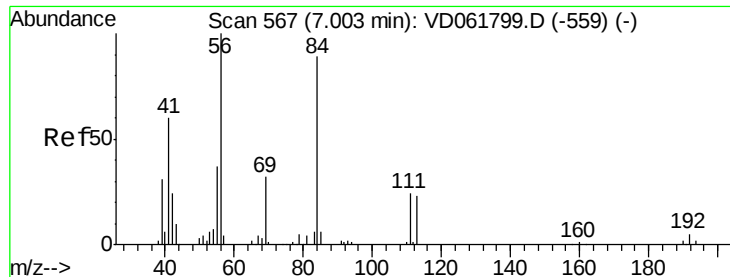
2000

0

3.70 3.80 3.90

Time-->

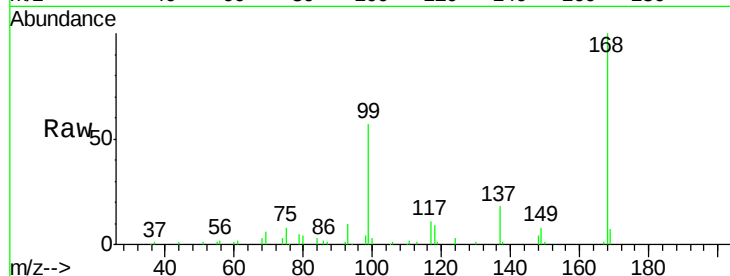




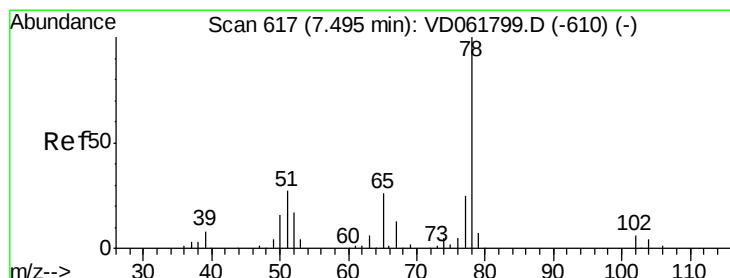
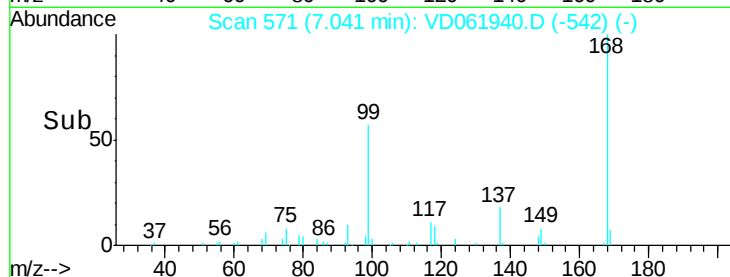
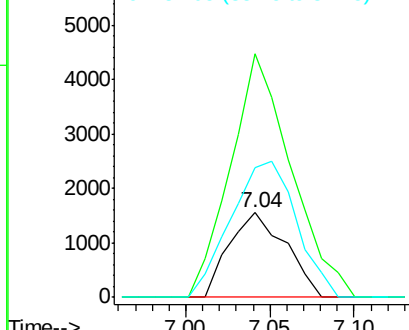
#31
Cvclohexane
Concen: 1.192 ug/l
RT: 7.04 min Scan# 571
Delta R.T. 0.09 min
Lab File: VD061940.D
Acq: 22 Apr 2019 15:53

Instrument :
MSVOA_D
ClientSampled :

Tot Ion: 56 Resp: 3597
Ion Ratio Lower Upper
56 100
69 288.8 25.8 38.6#
84 154.3 72.2 108.4#

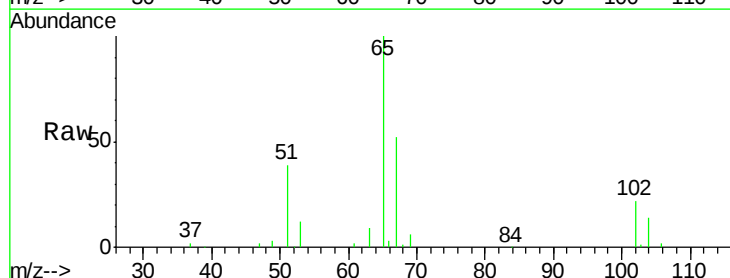


Abundance Ion 55.95 (55.65 to 56.65): VDC
Ion 69.00 (68.70 to 69.70): VDC
Ion 84.05 (83.75 to 84.75): VDC

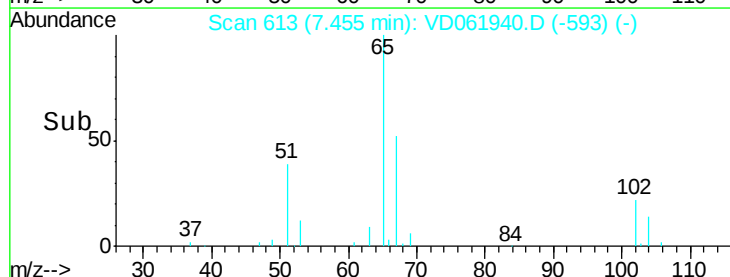
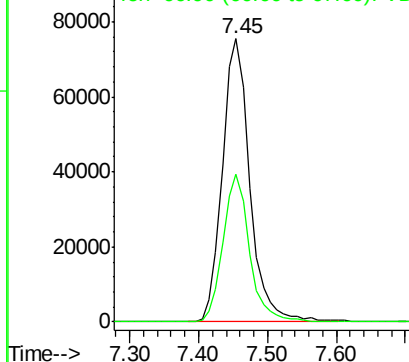


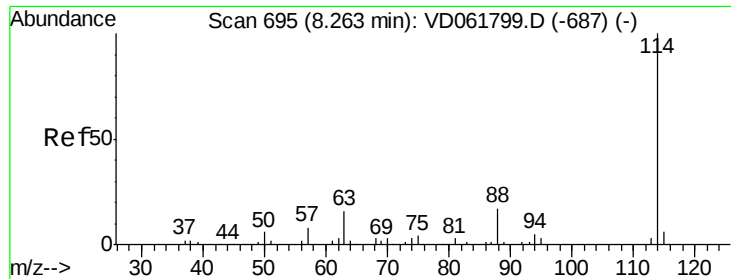
#33
1,2-Dichloroethane-d4
Concen: N.D. ug/l
RT: 7.45 min Scan# 613
Delta R.T. -0.00 min
Lab File: VD061940.D
Acq: 22 Apr 2019 15:53

Tgt Ion: 65 Resp: 208805
Ion Ratio Lower Upper
65 100
67 52.0 0.0 98.0



Abundance Ion 64.95 (64.65 to 65.65): VDC
Ion 66.90 (66.60 to 67.60): VDC

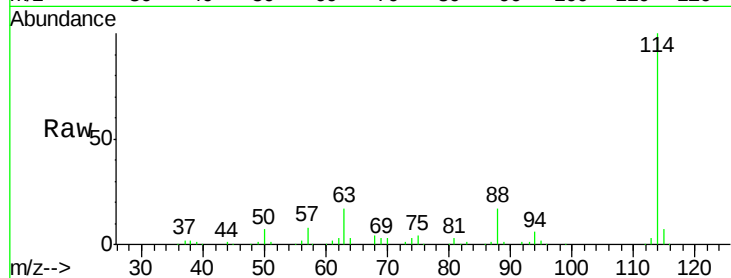




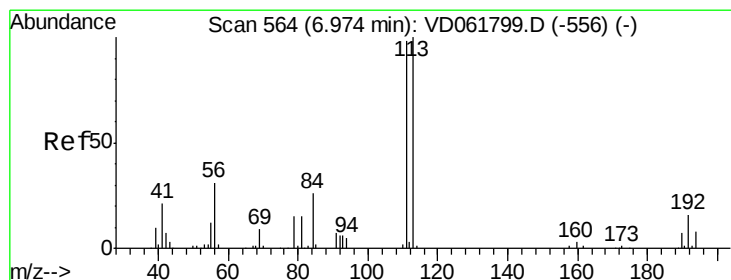
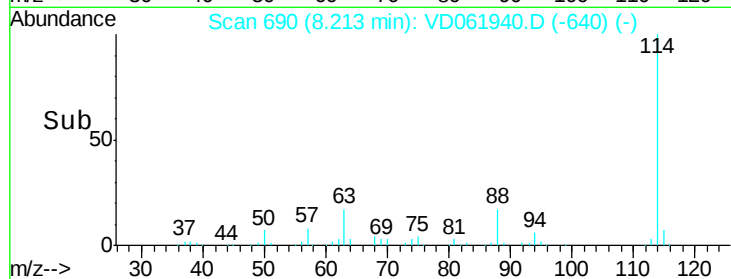
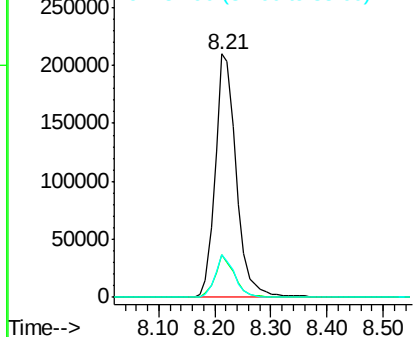
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.21 min Scan# 690
 Delta R.T. -0.01 min
 Lab File: VD061940.D
 Acq: 22 Apr 2019 15:53

Instrument :
 MSVOA_D
 ClientSampled :

Tot Ion:114 Resp: 554430
 Ion Ratio Lower Upper
 114 100
 63 17.4 0.0 32.4
 88 17.5 0.0 33.6

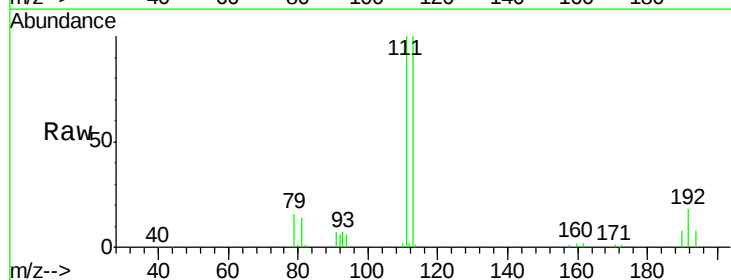


Abundance Ion 114.00 (113.70 to 114.70): V
 Ion 62.95 (62.65 to 63.65): V
 Ion 87.90 (87.60 to 88.60): V

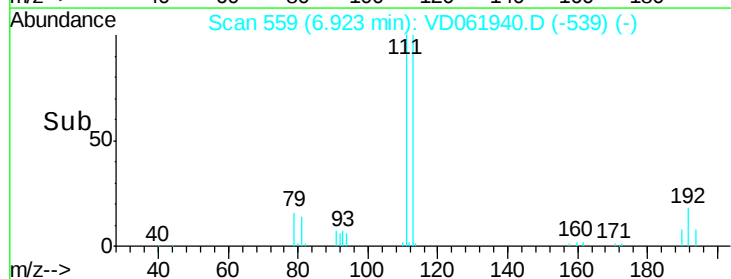
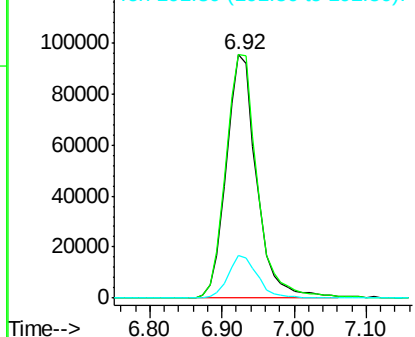


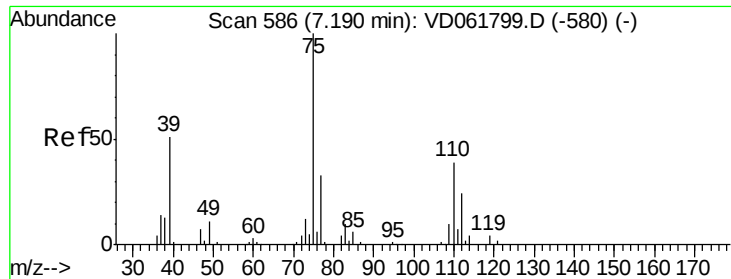
#35
 Dibromofluoromethane
 Concen: 50.000 ug/l
 RT: 6.92 min Scan# 559
 Delta R.T. -0.00 min
 Lab File: VD061940.D
 Acq: 22 Apr 2019 15:53

Tgt Ion:113 Resp: 279060
 Ion Ratio Lower Upper
 113 100
 111 100.1 78.5 117.7
 192 17.7 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: 3.653 ug/l

RT: 7.04 min Scan# 571

Delta R.T. -0.11 min

Lab File: VD061940.D

Acq: 22 Apr 2019 15:53

Instrument :

MSVOA_D

ClientSampleId :

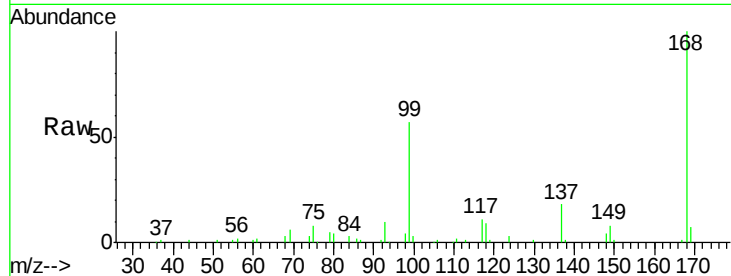
Tot Ion: 75 Resp: 16550

Ion Ratio Lower Upper

75 100

110 6.0 19.1 57.1#

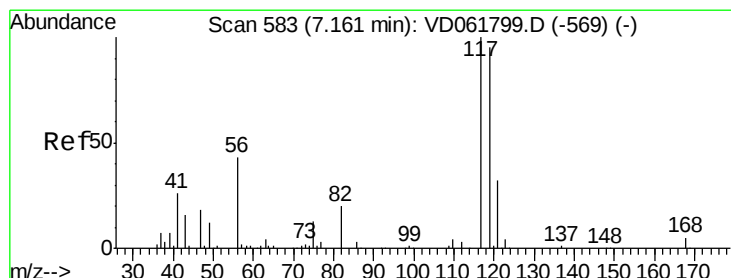
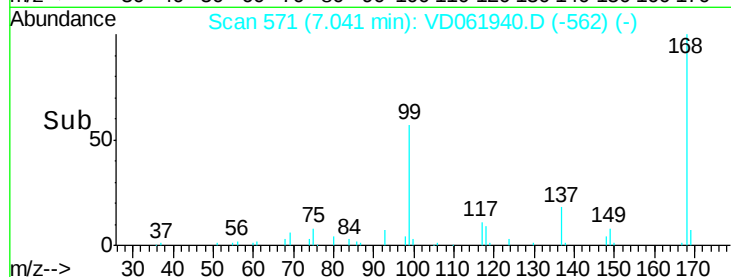
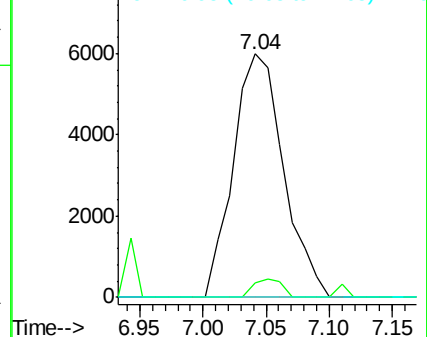
77 0.0 25.6 38.4#



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: 4.047 ug/l

RT: 7.04 min Scan# 571

Delta R.T. -0.07 min

Lab File: VD061940.D

Acq: 22 Apr 2019 15:53

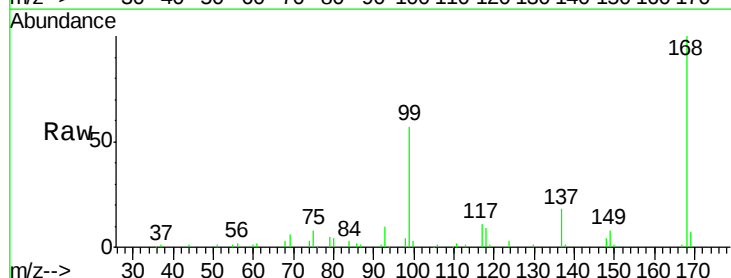
Tgt Ion: 117 Resp: 23153

Ion Ratio Lower Upper

117 100

119 5.2 75.8 113.8#

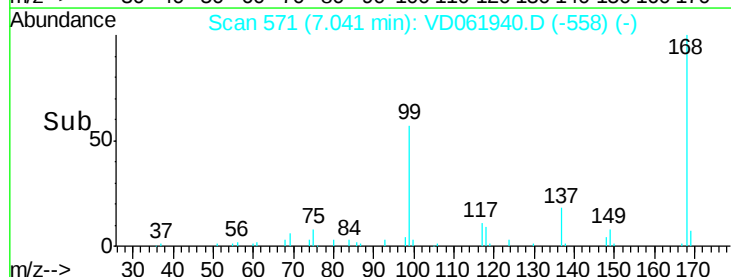
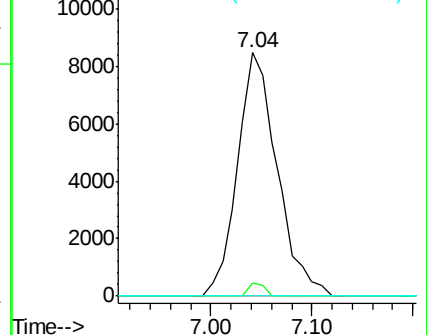
121 0.0 25.9 38.9#

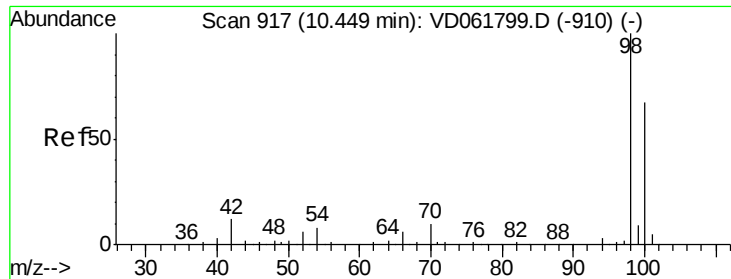


Abundance Ion 116.85 (116.55 to 117.55): V

Ion 118.85 (118.55 to 119.55): V

Ion 120.85 (120.55 to 121.55): V

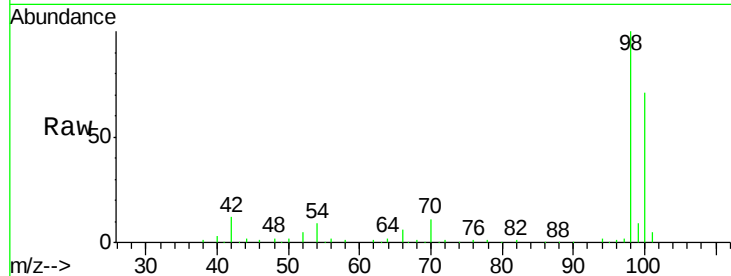




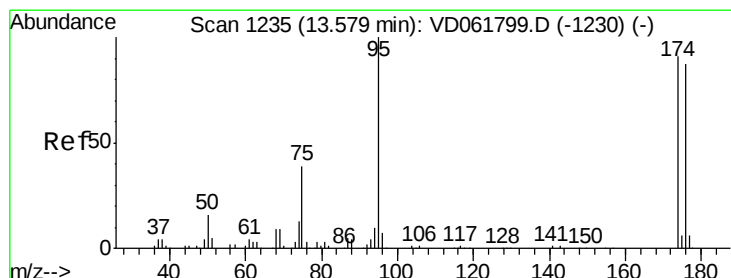
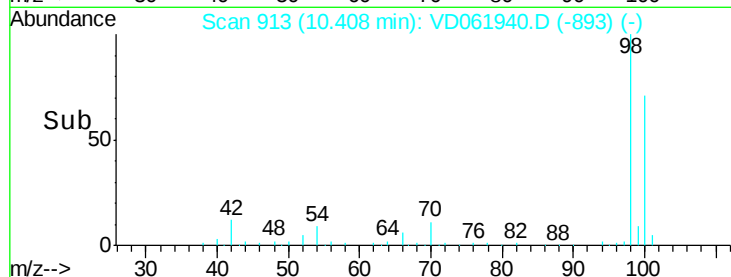
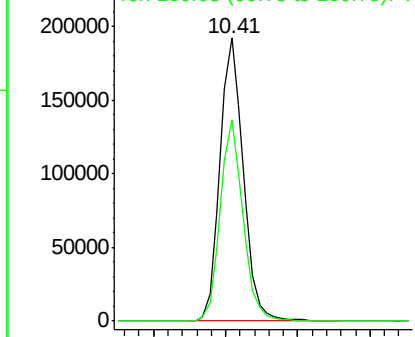
#50
Toluene-d8
Concen: N.D. ug/l
RT: 10.41 min Scan# 913
Delta R.T. -0.00 min
Lab File: VD061940.D
Acq: 22 Apr 2019 15:53

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 98 Resp: 428821
Ion Ratio Lower Upper
98 100
100 71.4 53.8 80.8

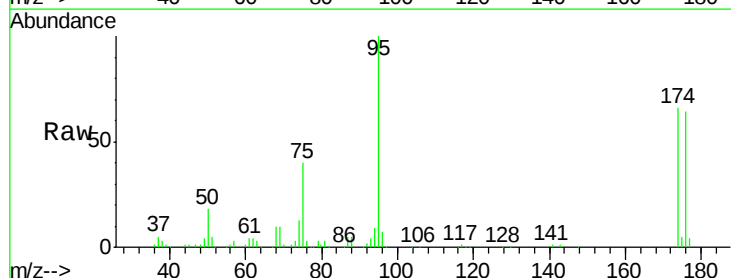


Abundance Ion 98.05 (97.75 to 98.75): VD061799.D (-910) (-)
Ion 100.05 (99.75 to 100.75): VD061799.D (-910) (-)

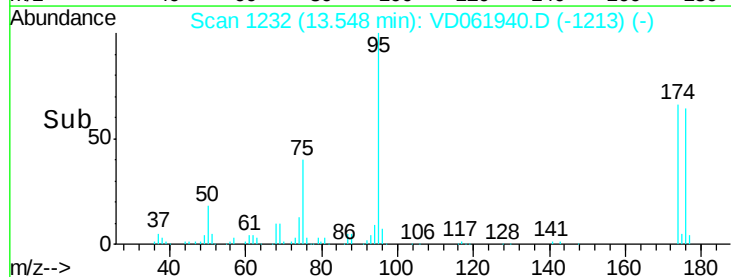
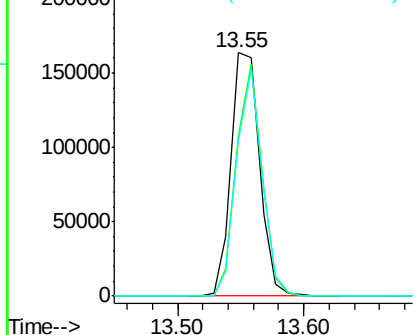


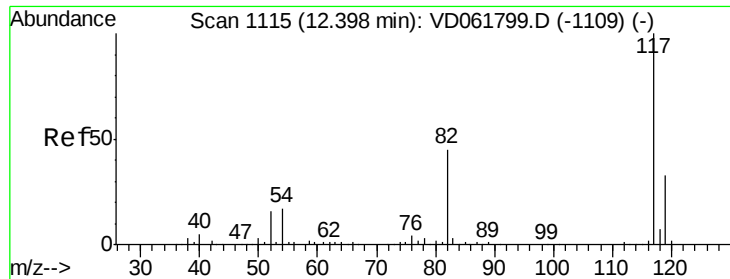
#62
4-Bromofluorobenzene
Concen: N.D. ug/l
RT: 13.55 min Scan# 1232
Delta R.T. -0.01 min
Lab File: VD061940.D
Acq: 22 Apr 2019 15:53

Tgt Ion: 95 Resp: 254954
Ion Ratio Lower Upper
95 100
174 66.1 0.0 181.8
176 63.6 0.0 174.4



Abundance Ion 95.00 (94.70 to 95.70): VD061799.D (-1230) (-)
Ion 173.90 (173.60 to 174.60): VD061799.D (-1230) (-)
Ion 175.90 (175.60 to 176.60): VD061799.D (-1230) (-)

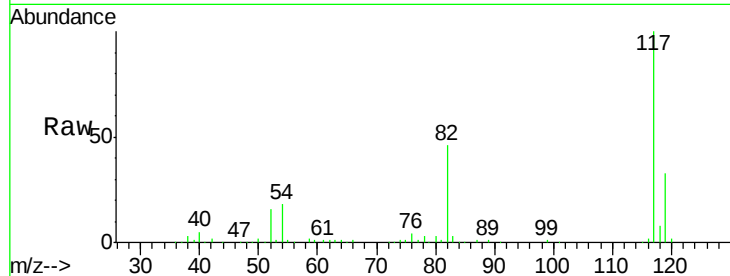




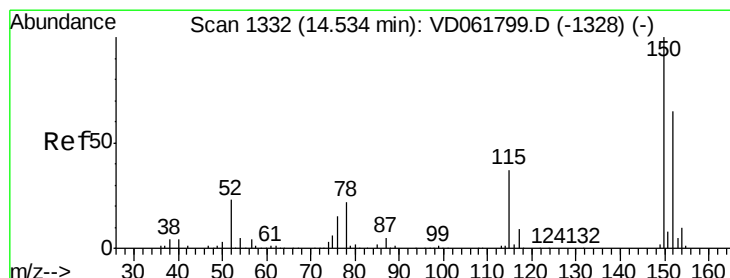
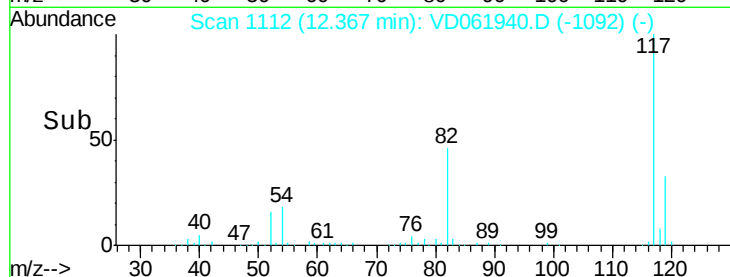
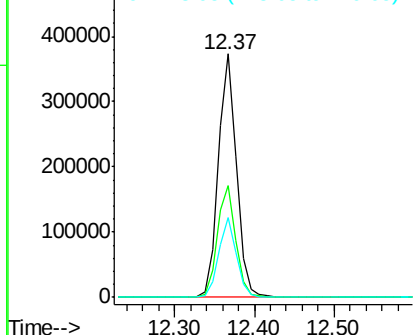
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 12.37 min Scan# 1112
Delta R.T. -0.00 min
Lab File: VD061940.D
Acq: 22 Apr 2019 15:53

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion:117 Resp: 602131
Ion Ratio Lower Upper
117 100
82 45.8 36.2 54.2
119 32.5 26.2 39.4

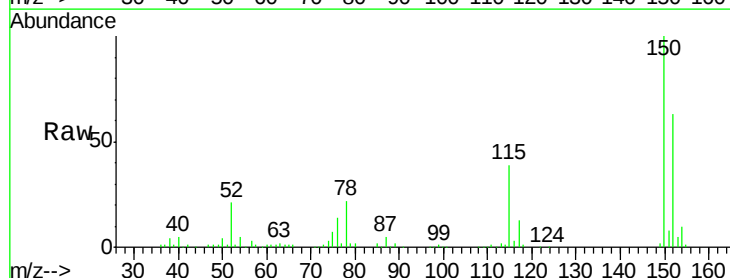


Abundance Ion 116.95 (116.65 to 117.65): V
Ion 82.05 (81.75 to 82.75): V
Ion 118.95 (118.65 to 119.65): V

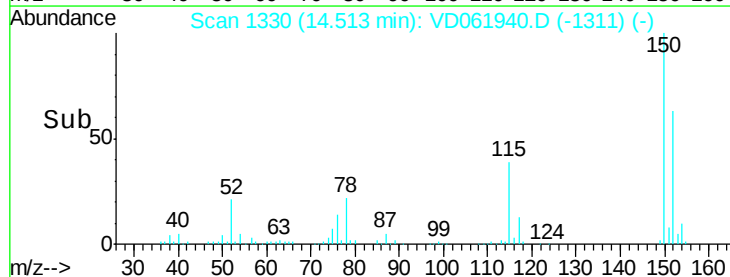
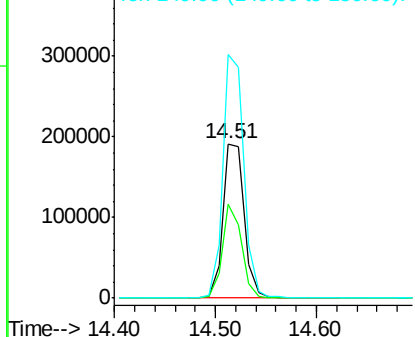


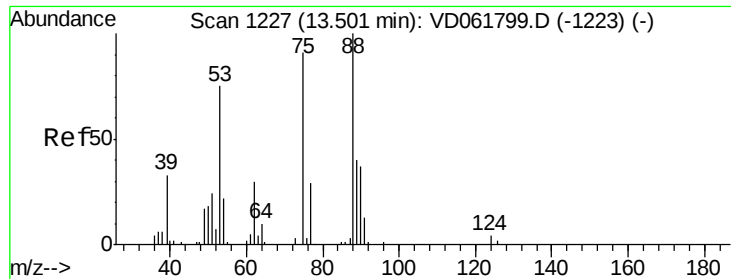
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 14.51 min Scan# 1330
Delta R.T. -0.01 min
Lab File: VD061940.D
Acq: 22 Apr 2019 15:53

Tgt Ion:152 Resp: 280026
Ion Ratio Lower Upper
152 100
115 61.1 30.9 92.7
150 157.5 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: 78.984 ug/l

RT: 13.55 min Scan# 1232

Delta R.T. 0.08 min

Lab File: VD061940.D

Acq: 22 Apr 2019 15:53

Instrument :

MSVOA_D

ClientSampleId :

Tot Ion: 75 Resp: 96605

Ion Ratio Lower Upper

75 100

53 0.0 65.8 98.8#

89 0.0 35.0 52.6#

