

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD041619\
 Data File : VD061818.D
 Acq On : 16 Apr 2019 18:54
 Operator : VA/AP
 Sample : K2376-02
 Misc : 2.59g/5ml/MSVOA D/SOIL
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Apr 17 00:59:00 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	123488	50.00	ug/l	-0.04
34) 1,4-Difluorobenzene	8.23	114	243660	50.00	ug/l	-0.03
63) Chlorobenzene-d5	12.37	117	158327	50.00	ug/l	-0.03
72) 1,4-Dichlorobenzene-d4	14.52	152	36140	50.00	ug/l	-0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	7.47	65	123386	119.22	ug/l	-0.03
Spiked Amount				50.000		
			Recovery	=	238.44%	
35) Dibromofluoromethane	6.93	113	161498	87.73	ug/l	-0.04
Spiked Amount				50.000		
			Recovery	=	175.46%	
50) Toluene-d8	10.42	98	178218	40.86	ug/l	-0.03
Spiked Amount				50.000		
			Recovery	=	81.72%	
62) 4-Bromofluorobenzene	13.56	95	45331	25.64	ug/l	-0.02
Spiked Amount				50.000		
			Recovery	=	51.28%	

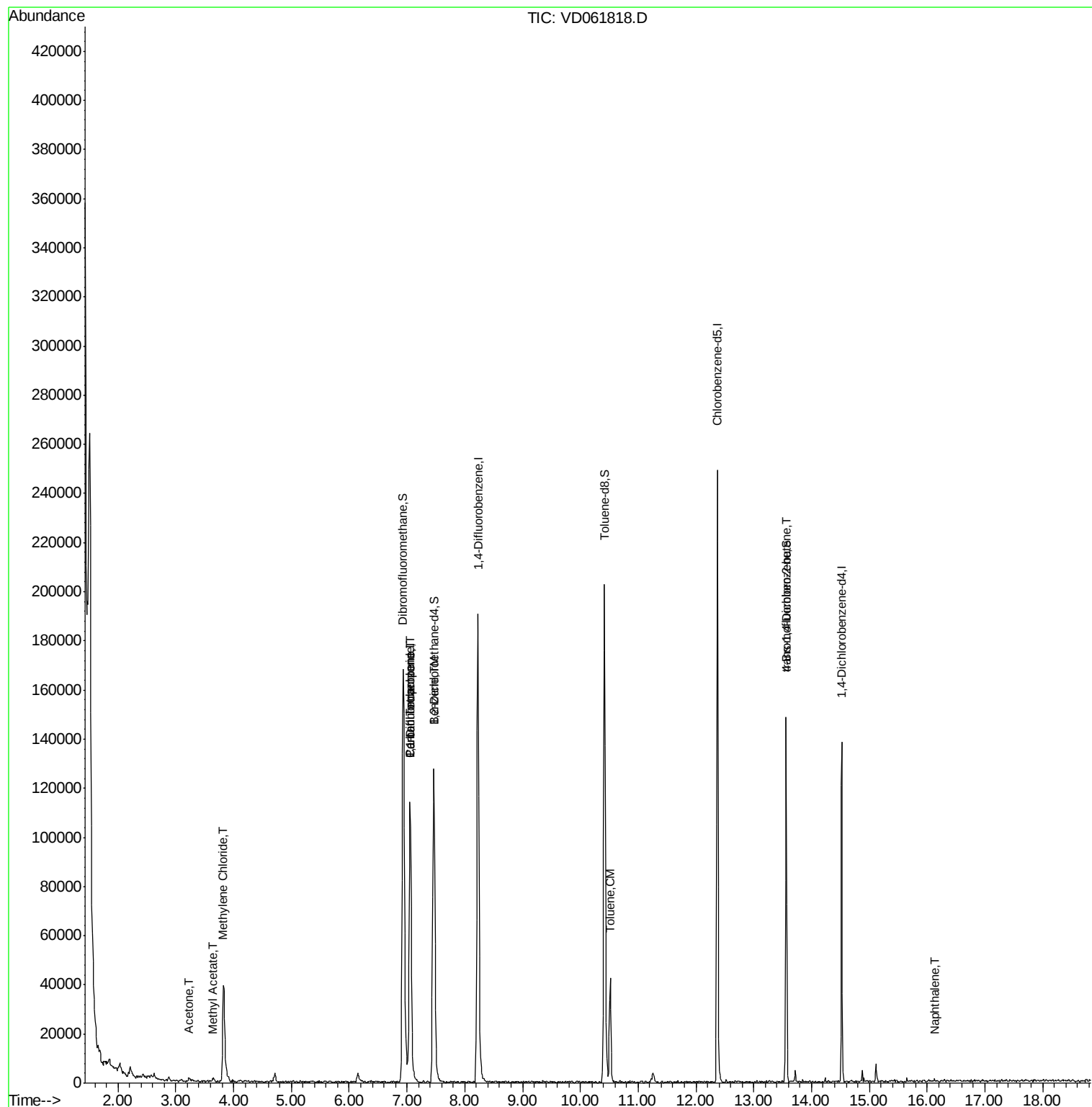
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	2.13	94	439	Below Cal	#	12
16) Acetone	3.22	43	2881	11.295	ug/l #	50
18) Methyl Acetate	3.64	43	1927	3.769	ug/l #	53
20) Methylene Chloride	3.82	84	29957	20.964	ug/l	96
36) 1,1-Dichloropropene	7.05	75	7901	3.968	ug/l #	40
38) Carbon Tetrachloride	7.05	117	11235	4.469	ug/l #	12
40) Benzene	7.48	78	6385	1.336	ug/l #	87
52) Toluene	10.52	92	23946	7.817	ug/l	92
81) trans-1,4-Dichloro-2-buten	13.56	75	17053	106.810	ug/l #	16
95) Naphthalene	16.13	128	862	1.052	ug/l #	70

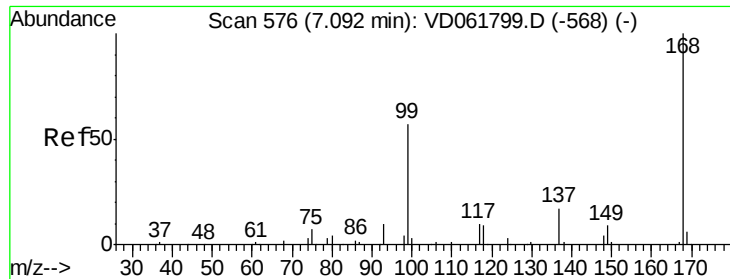
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD041619\
Data File : VD061818.D
Acq On : 16 Apr 2019 18:54
Operator : VA/AP
Sample : K2376-02
Misc : 2.59g/5ml/MSVOA D/SOIL
ALS Vial : 18 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :

Quant Time: Apr 17 00:59:00 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: VD061818.D

Acq: 16 Apr 2019 18:54

Instrument :

MSVOA_D

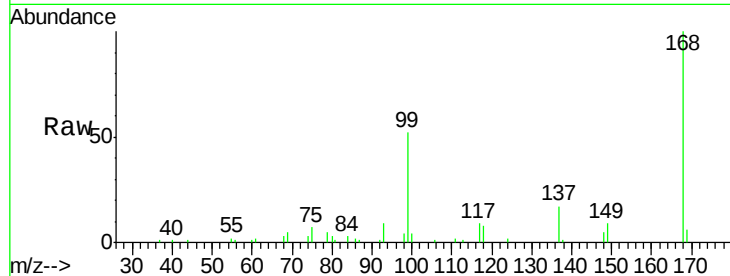
ClientSampleId :

Tot Ion:168 Resp: 123488

Ion Ratio Lower Upper

168 100

99 51.6 46.5 69.7



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC

7.05

40000

30000

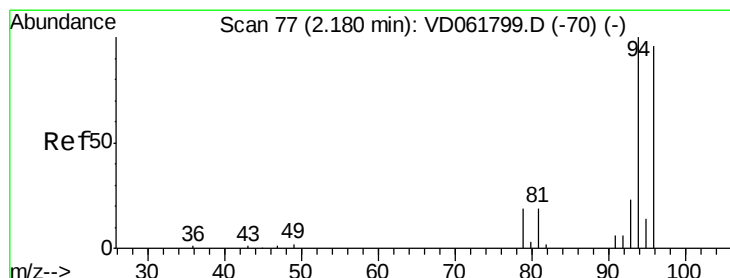
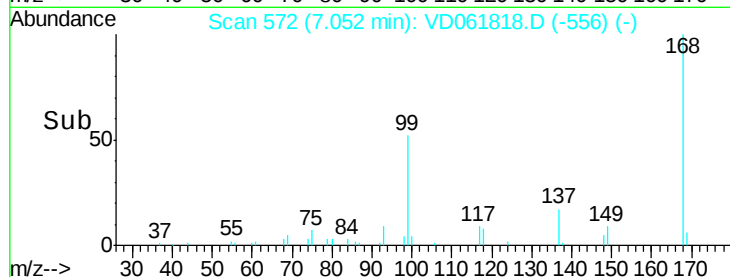
20000

10000

0

6.90 7.00 7.10 7.20

Time-->



#5

Bromomethane

Concen: Below Cal

RT: 2.13 min Scan# 72

Delta R.T. -0.05 min

Lab File: VD061818.D

Acq: 16 Apr 2019 18:54

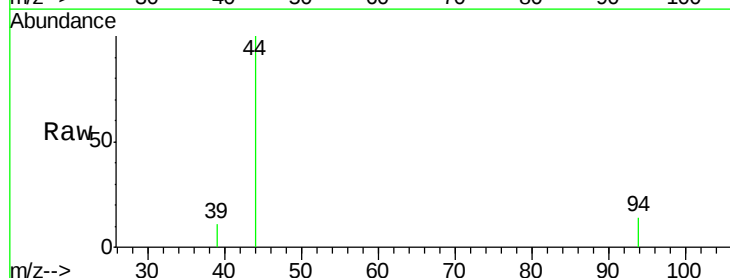
Tgt Ion: 94 Resp: 439

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

2.13

500

400

300

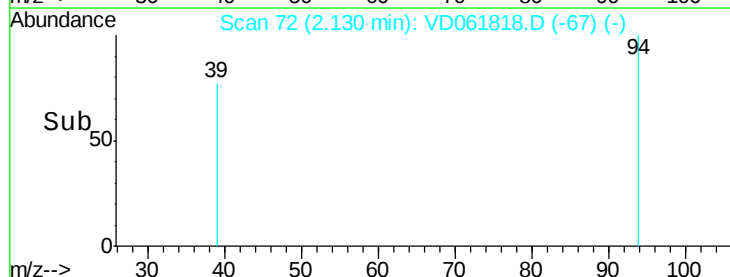
200

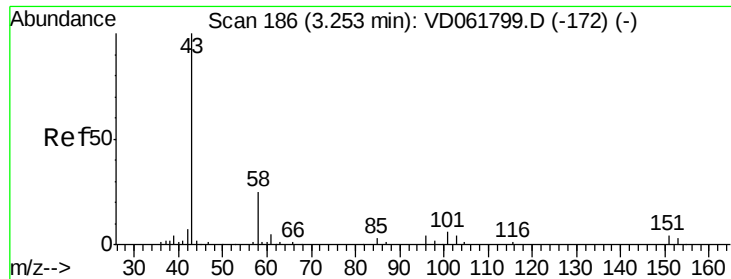
100

0

2.12 2.14 2.16

Time-->





#16

Acetone

Concen: 11.295 ug/l

RT: 3.22 min Scan# 183

Delta R.T. -0.03 min

Lab File: VD061818.D

Acq: 16 Apr 2019 18:54

Instrument :

MSVOA_D

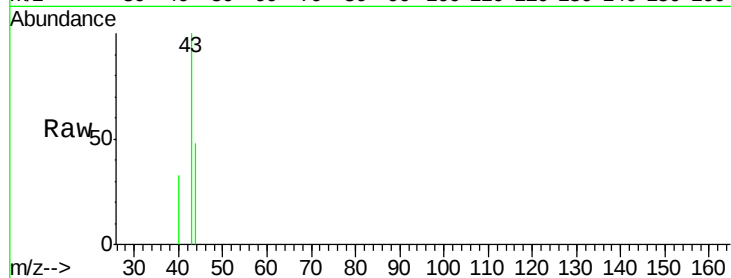
ClientSampleId :

Tot Ion: 43 Resp: 2881

Ion Ratio Lower Upper

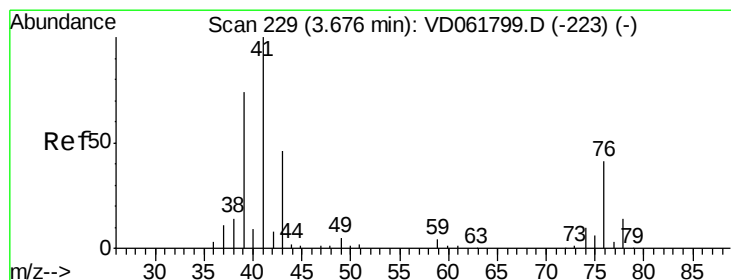
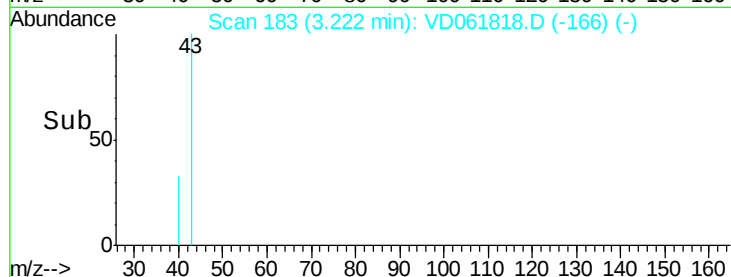
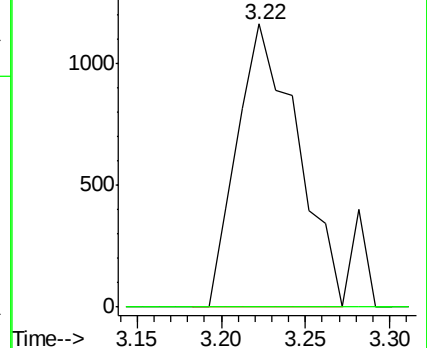
43 100

58 0.0 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: 3.769 ug/l

RT: 3.64 min Scan# 225

Delta R.T. -0.04 min

Lab File: VD061818.D

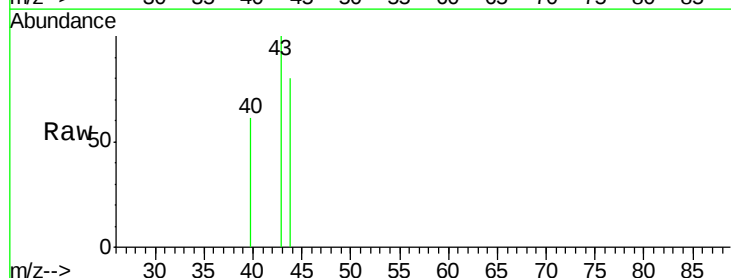
Acq: 16 Apr 2019 18:54

Tgt Ion: 43 Resp: 1927

Ion Ratio Lower Upper

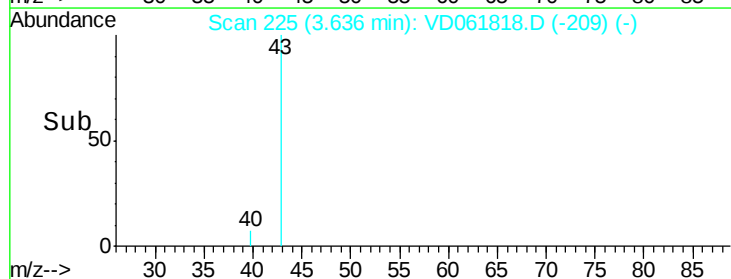
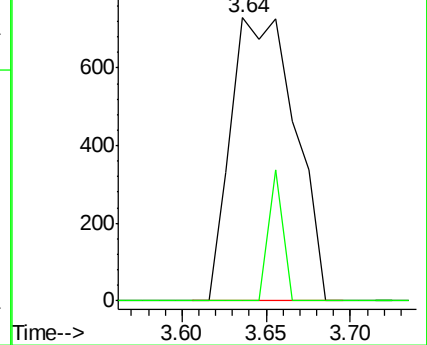
43 100

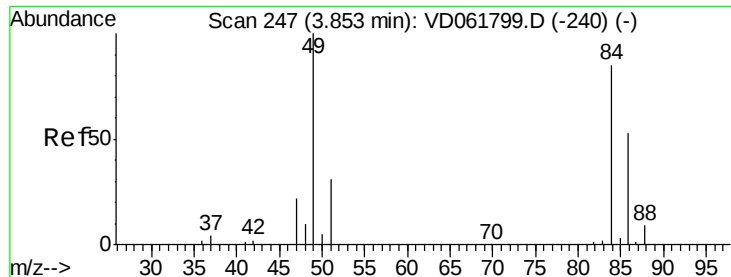
74 0.0 18.0 27.0#



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 74.00 (73.70 to 74.70): VDC

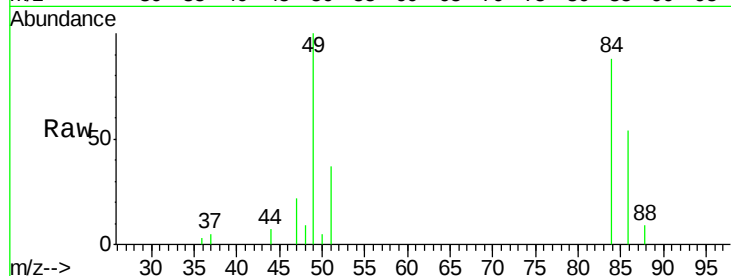




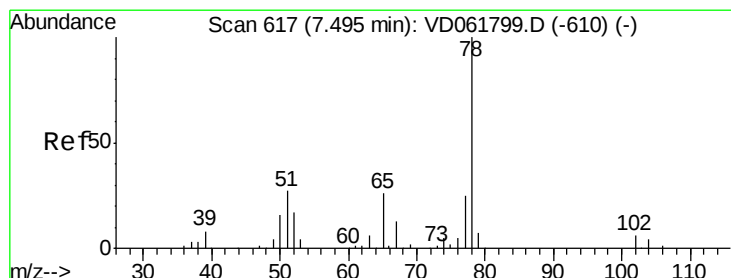
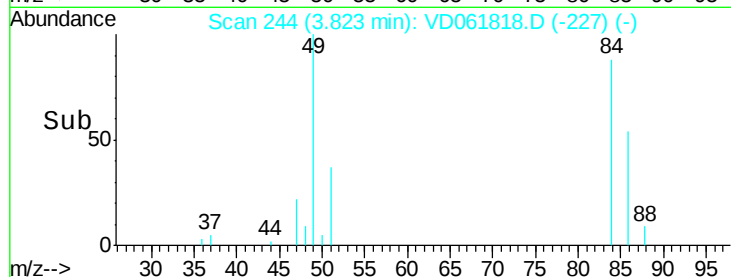
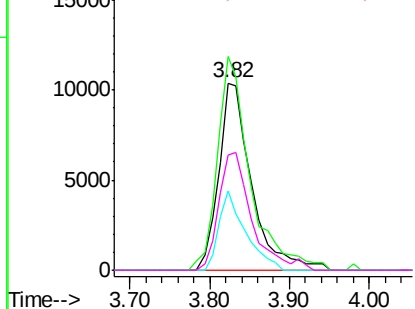
#20
Methylene Chloride
Concen: 20.964 ug/l
RT: 3.82 min Scan# 244
Delta R.T. -0.03 min
Lab File: VD061818.D
Acq: 16 Apr 2019 18:54

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 84 Resp: 29957
Ion Ratio Lower Upper
84 100
49 114.2 94.0 141.0
51 42.3 29.0 43.4
86 61.6 49.8 74.6

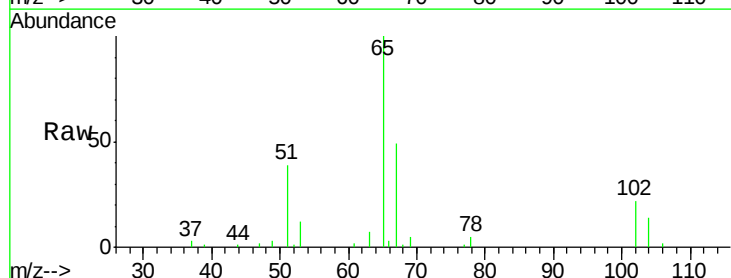


Abundance Ion 83.95 (83.65 to 84.65): VDC
Ion 48.90 (48.60 to 49.60): VDC
Ion 50.90 (50.60 to 51.60): VDC
Ion 85.90 (85.60 to 86.60): VDC

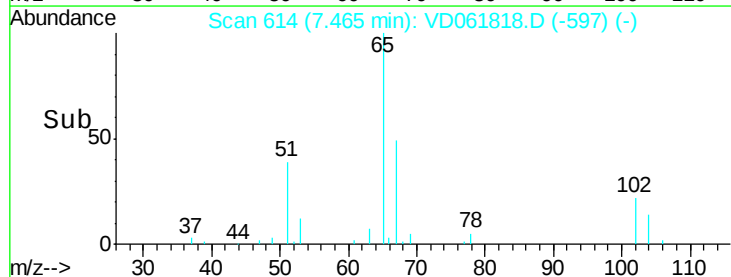
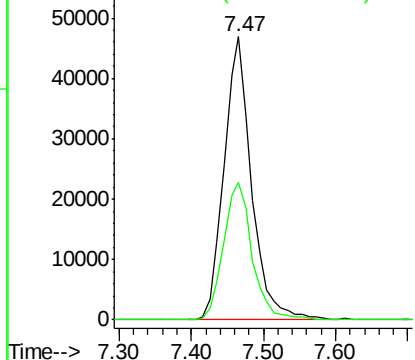


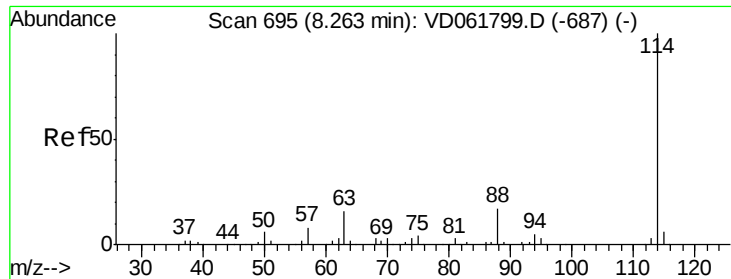
#33
1,2-Dichloroethane-d4
Concen: N.D. ug/l
RT: 7.47 min Scan# 614
Delta R.T. -0.03 min
Lab File: VD061818.D
Acq: 16 Apr 2019 18:54

Tgt Ion: 65 Resp: 123386
Ion Ratio Lower Upper
65 100
67 48.8 0.0 98.0



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

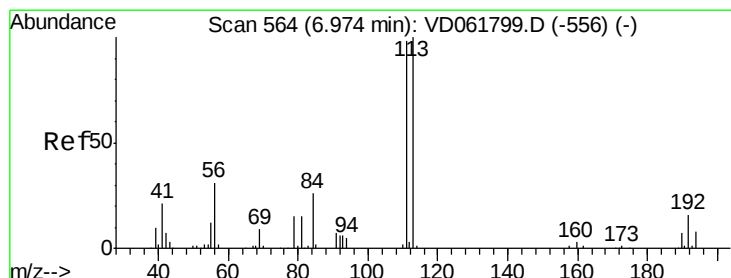
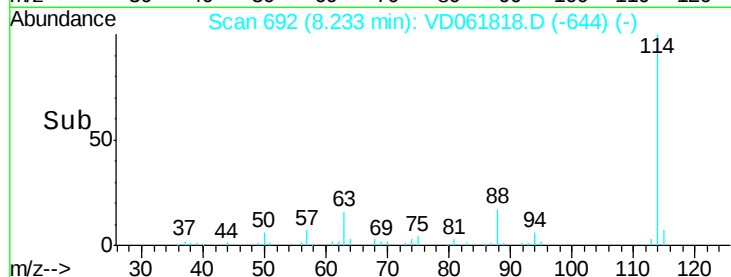
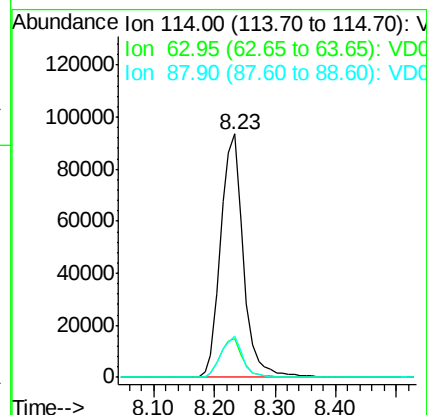
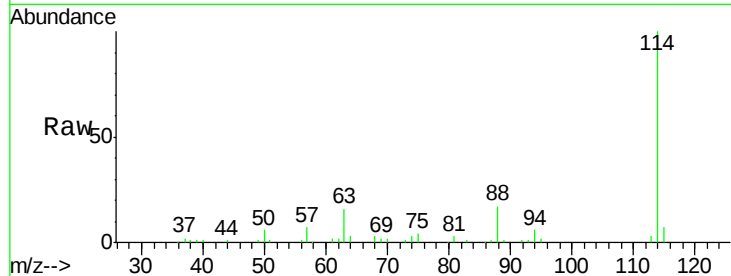




#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.23 min Scan# 692
 Delta R.T. -0.03 min
 Lab File: VD061818.D
 Acq: 16 Apr 2019 18:54

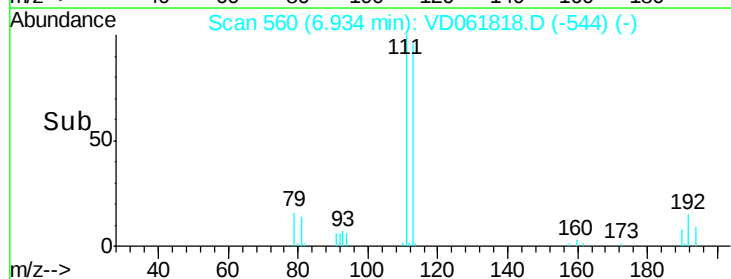
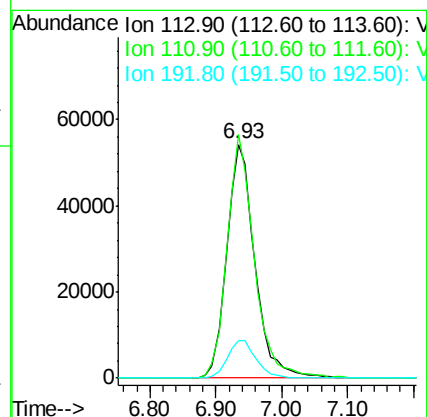
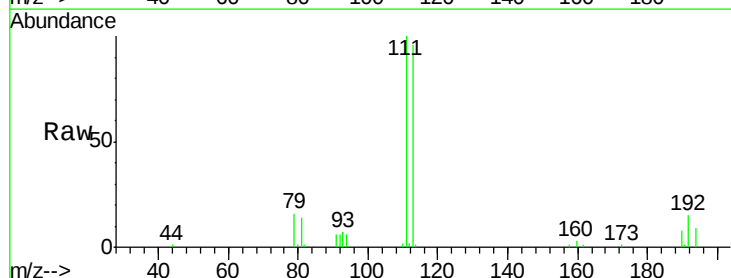
Instrument :
 MSVOA_D
 ClientSampleId :

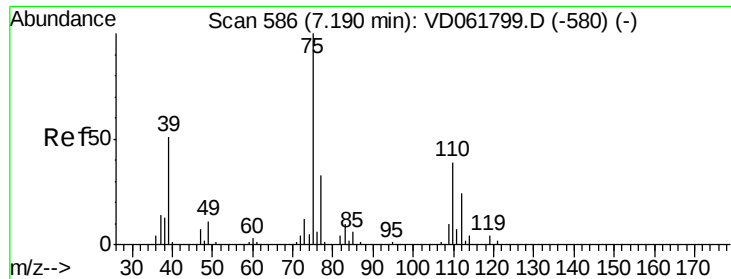
Tot Ion:114 Resp: 243660
 Ion Ratio Lower Upper
 114 100
 63 15.8 0.0 32.4
 88 16.8 0.0 33.6



#35
 Dibromofluoromethane
 Concen: 50.000 ug/l
 RT: 6.93 min Scan# 560
 Delta R.T. -0.04 min
 Lab File: VD061818.D
 Acq: 16 Apr 2019 18:54

Tgt Ion:113 Resp: 161498
 Ion Ratio Lower Upper
 113 100
 111 104.2 78.5 117.7
 192 16.1 13.0 19.4

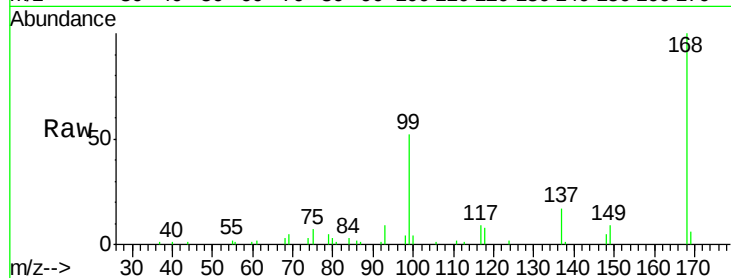




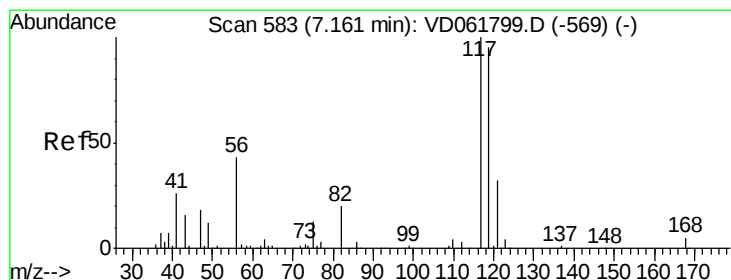
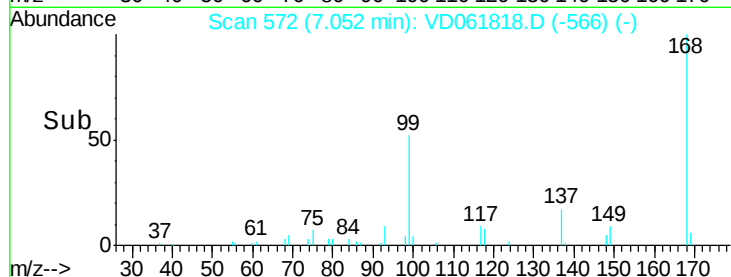
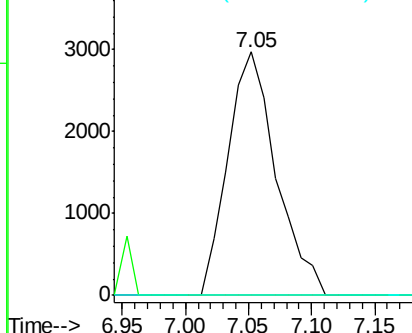
#36
 1,1-Dichloropropene
 Concen: 3.968 ug/l
 RT: 7.05 min Scan# 572
 Delta R.T. -0.14 min
 Lab File: VD061818.D
 Acq: 16 Apr 2019 18:54

Instrument :
 MSVOA_D
 ClientSampleId :

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

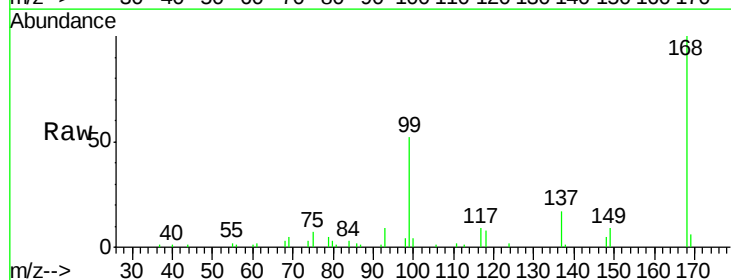


Abundance Ion 75.00 (74.70 to 75.70): V
 Ion 109.90 (109.60 to 110.60): V
 Ion 76.95 (76.65 to 77.65): V

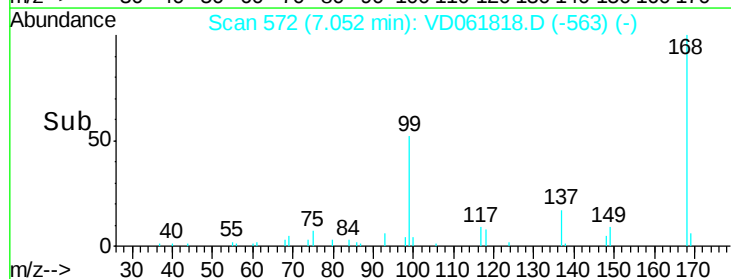
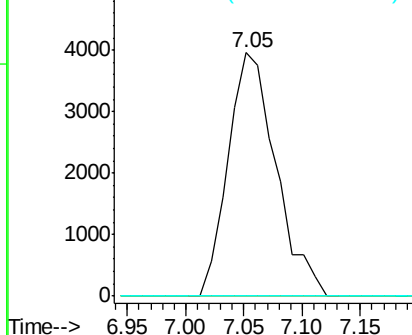


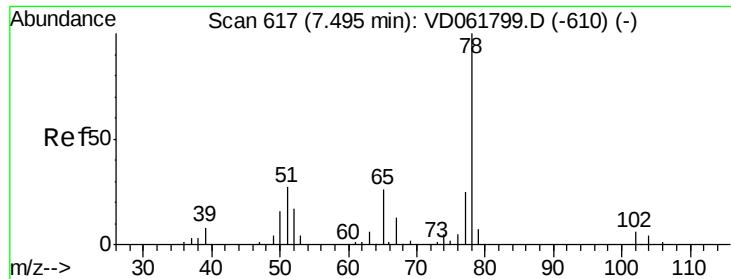
#38
 Carbon Tetrachloride
 Concen: 4.469 ug/l
 RT: 7.05 min Scan# 572
 Delta R.T. -0.11 min
 Lab File: VD061818.D
 Acq: 16 Apr 2019 18:54

Tgt 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

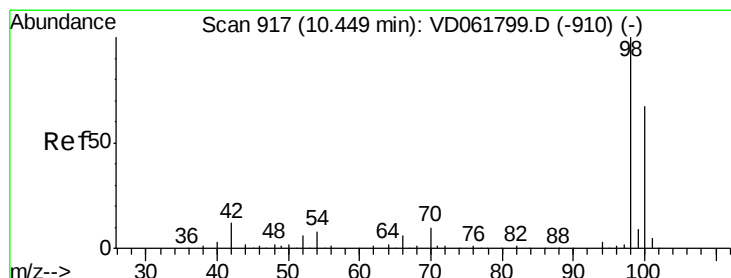
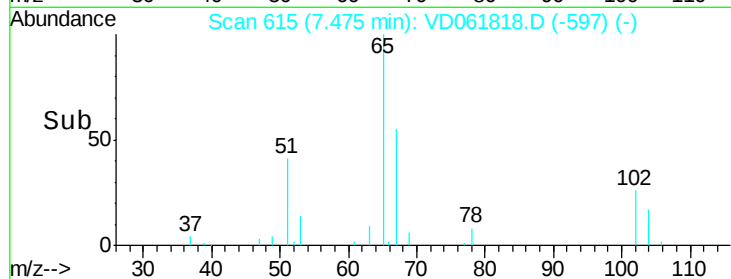
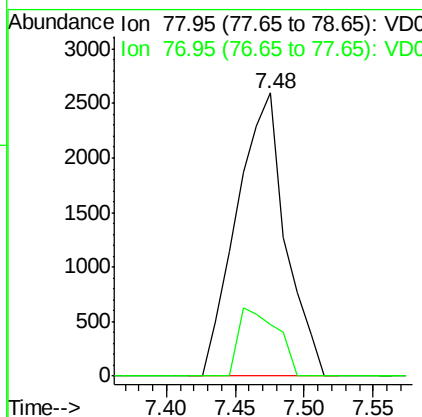
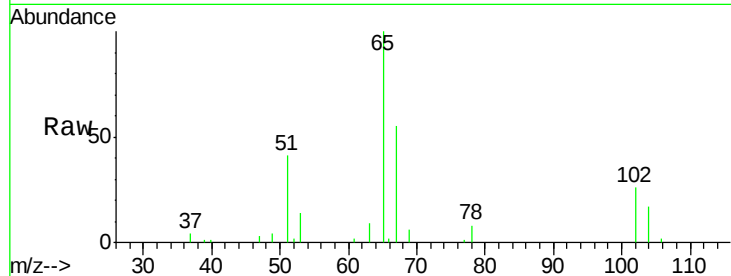




#40
Benzene
Concen: 1.336 ug/l
RT: 7.48 min Scan# 615
Delta R.T. -0.02 min
Lab File: VD061818.D
Acq: 16 Apr 2019 18:54

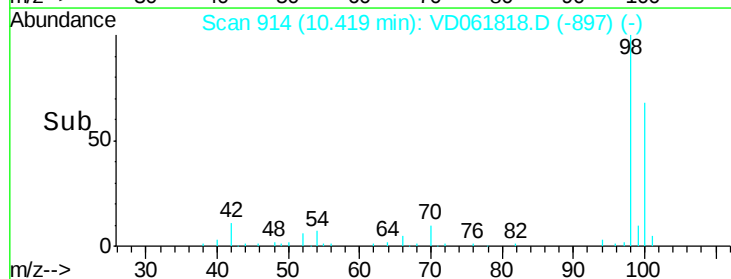
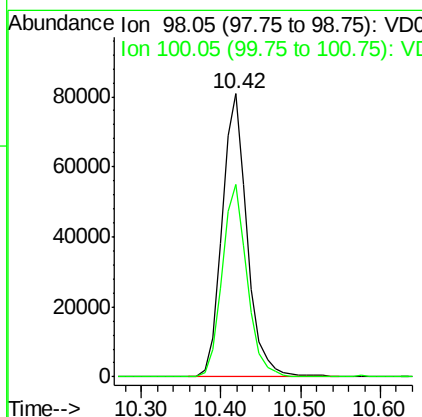
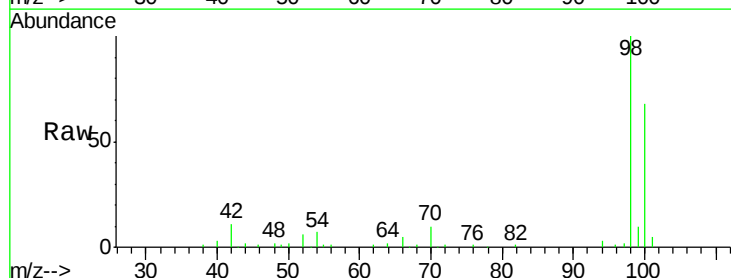
Instrument :
MSVOA_D
ClientSampled :

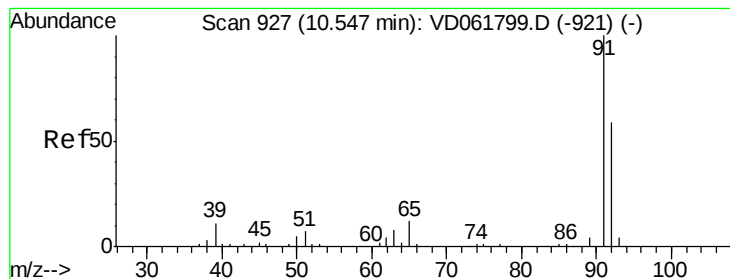
Tot Ion: 78 Resp: 6385
Ion Ratio Lower Upper
78 100
77 18.1 19.7 29.5#



#50
Toluene-d8
Concen: N.D. ug/l
RT: 10.42 min Scan# 914
Delta R.T. -0.03 min
Lab File: VD061818.D
Acq: 16 Apr 2019 18:54

Tgt Ion: 98 Resp: 178218
Ion Ratio Lower Upper
98 100
100 67.9 53.8 80.8





#52

Toluene

Concen: 7.817 ug/l

RT: 10.52 min Scan# 924

Delta R.T. -0.03 min

Lab File: VD061818.D

Acq: 16 Apr 2019 18:54

Instrument :

MSVOA_D

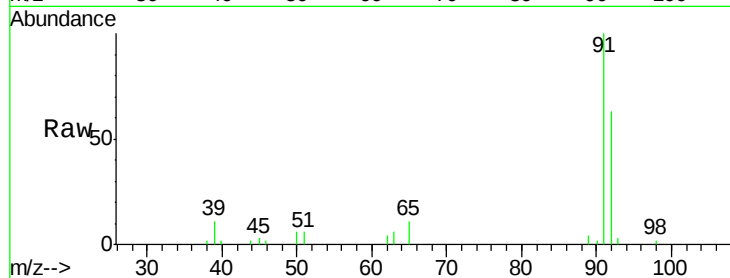
ClientSampleId :

Tot Ion: 92 Resp: 23946

Ion Ratio Lower Upper

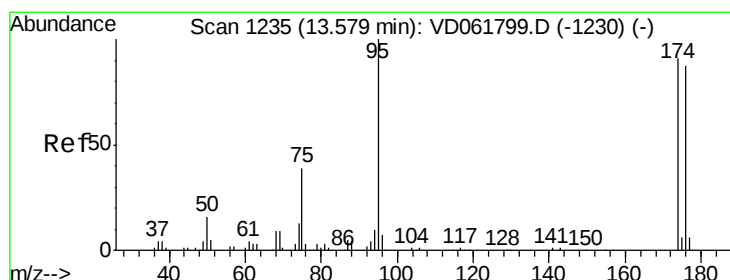
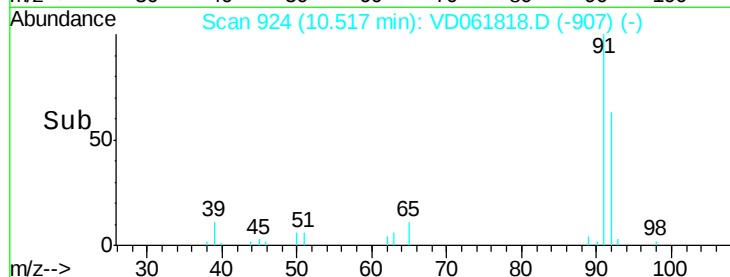
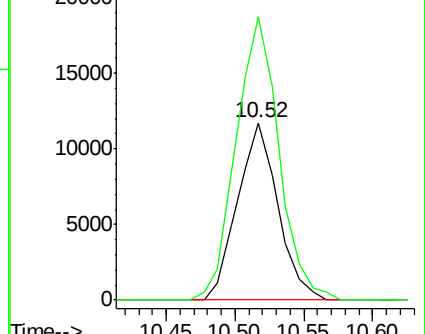
92 100

91 159.6 136.6 204.8



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: VD061818.D

Acq: 16 Apr 2019 18:54

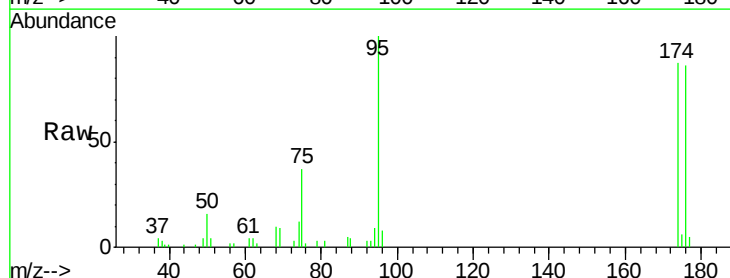
Tgt Ion: 95 Resp: 45331

Ion Ratio Lower Upper

95 100

174 86.8 0.0 181.8

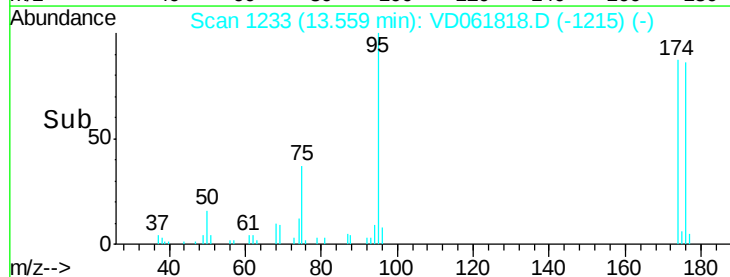
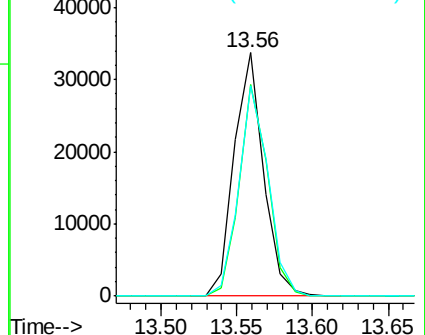
176 86.3 0.0 174.4

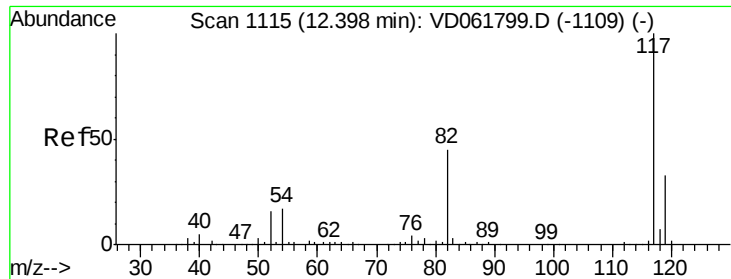


Abundance Ion 95.00 (94.70 to 95.70): VDC

Ion 173.90 (173.60 to 174.60): V

Ion 175.90 (175.60 to 176.60): V

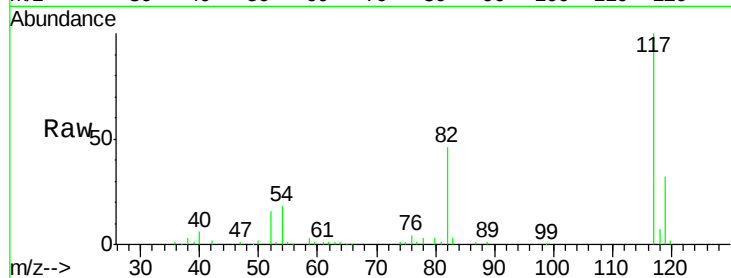




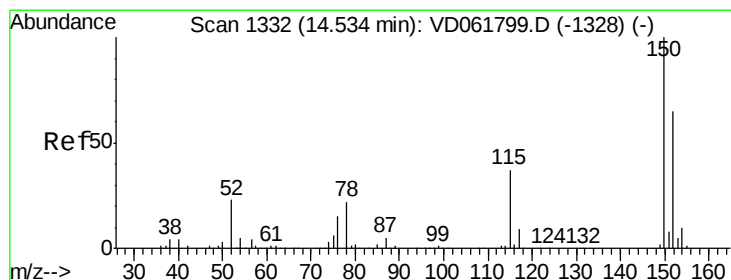
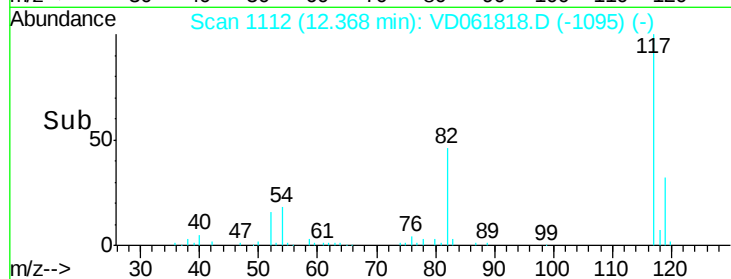
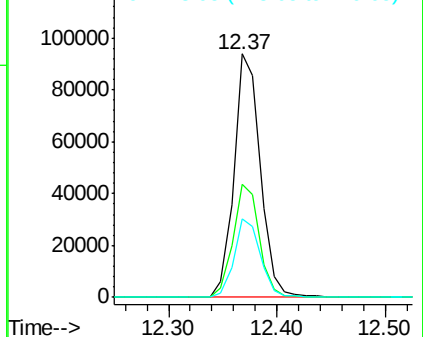
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 12.37 min Scan# 1112
Delta R.T. -0.03 min
Lab File: VD061818.D
Acq: 16 Apr 2019 18:54

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion:117 Resp: 158327
Ion Ratio Lower Upper
117 100
82 46.4 36.2 54.2
119 32.1 26.2 39.4

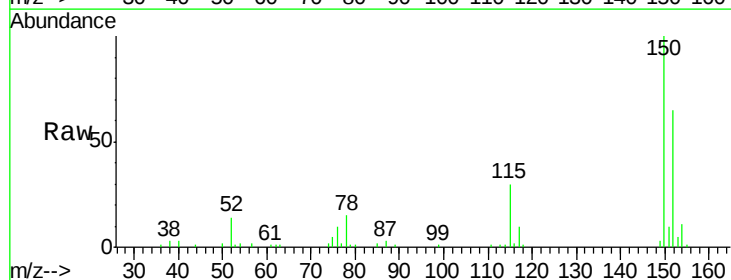


Abundance Ion 116.95 (116.65 to 117.65): V
Ion 82.05 (81.75 to 82.75): V
Ion 118.95 (118.65 to 119.65): V

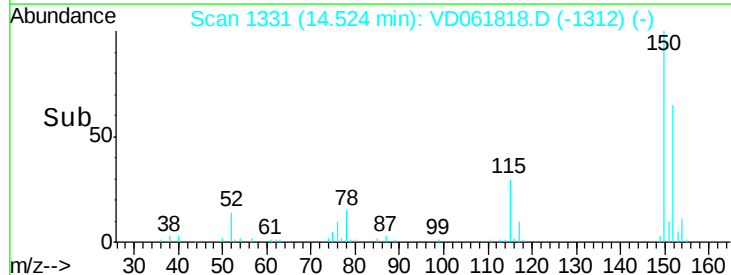
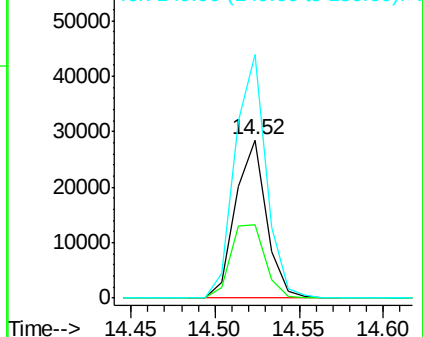


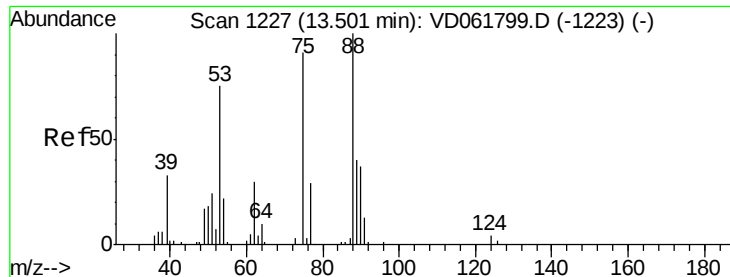
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 14.52 min Scan# 1331
Delta R.T. -0.01 min
Lab File: VD061818.D
Acq: 16 Apr 2019 18:54

Tgt Ion:152 Resp: 36140
Ion Ratio Lower Upper
152 100
115 46.6 30.9 92.7
150 154.2 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: 106.810 ug/l

RT: 13.56 min Scan# 1233

Delta R.T. 0.06 min

Lab File: VD061818.D

Acq: 16 Apr 2019 18:54

Instrument :

MSVOA_D

ClientSampleId :

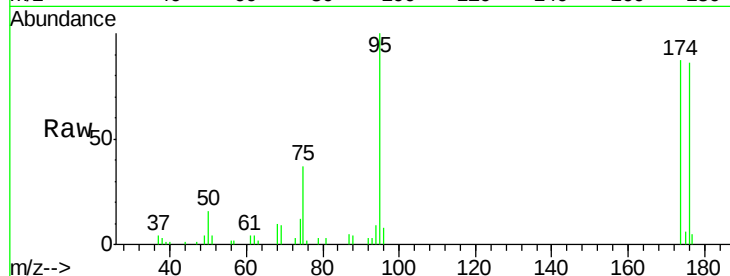
Tot Ion: 75 Resp: 17053

Ion Ratio Lower Upper

75 100

53 0.0 65.8 98.8#

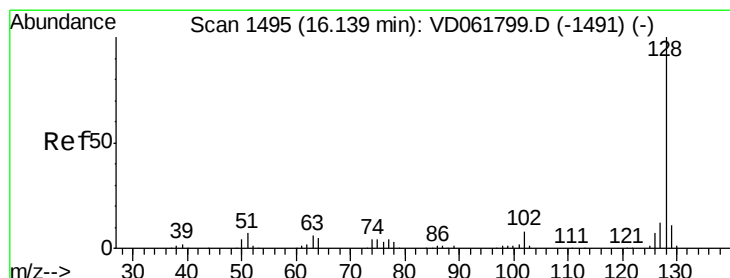
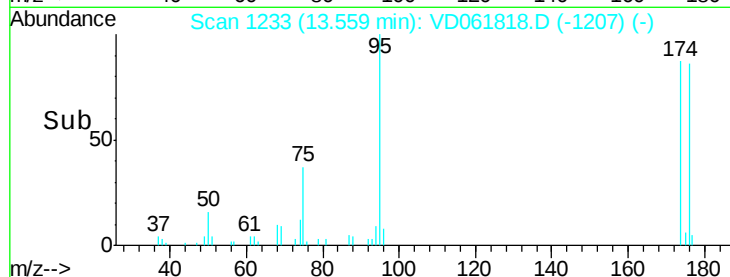
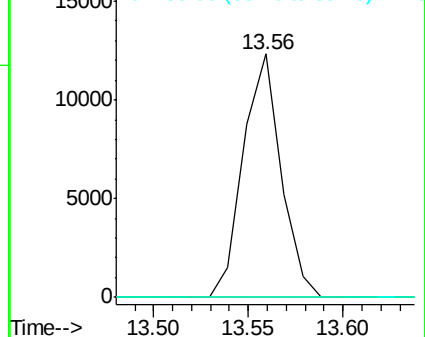
89 0.0 35.0 52.6#



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: 1.052 ug/l

RT: 16.13 min Scan# 1494

Delta R.T. -0.01 min

Lab File: VD061818.D

Acq: 16 Apr 2019 18:54

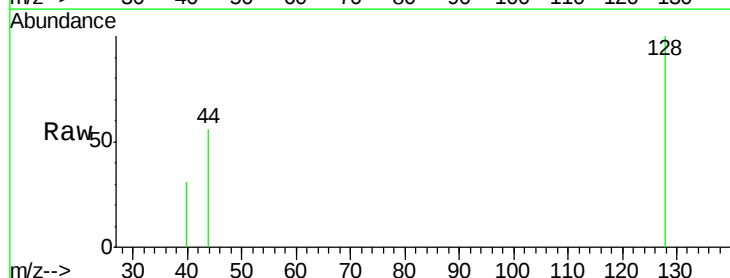
Tgt Ion: 128 Resp: 862

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

