

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD040419\
 Data File : VD061592.D
 Acq On : 4 Apr 2019 21:23
 Operator : VA/AP
 Sample : K2244-02
 Misc : 5.15g/5ml/MSVOA D/SOIL
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Apr 05 01:40:48 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D032719S.M
 Quant Title : SW846 8260
 QLast Update : Thu Mar 28 09:22:37 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.02	168	396705	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.20	114	630626	50.00	ug/l	0.00
63) Chlorobenzene-d5	12.35	117	459115	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	14.51	152	133711	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	7.42	65	155787	45.97	ug/l	-0.01
Spiked Amount			Recovery	=	91.94%	
35) Dibromofluoromethane	6.90	113	216718	44.97	ug/l	0.00
Spiked Amount			Recovery	=	89.94%	
50) Toluene-d8	10.38	98	422974	36.59	ug/l	0.00
Spiked Amount			Recovery	=	73.18%	
62) 4-Bromofluorobenzene	13.54	95	143333	32.34	ug/l	0.00
Spiked Amount			Recovery	=	64.68%	

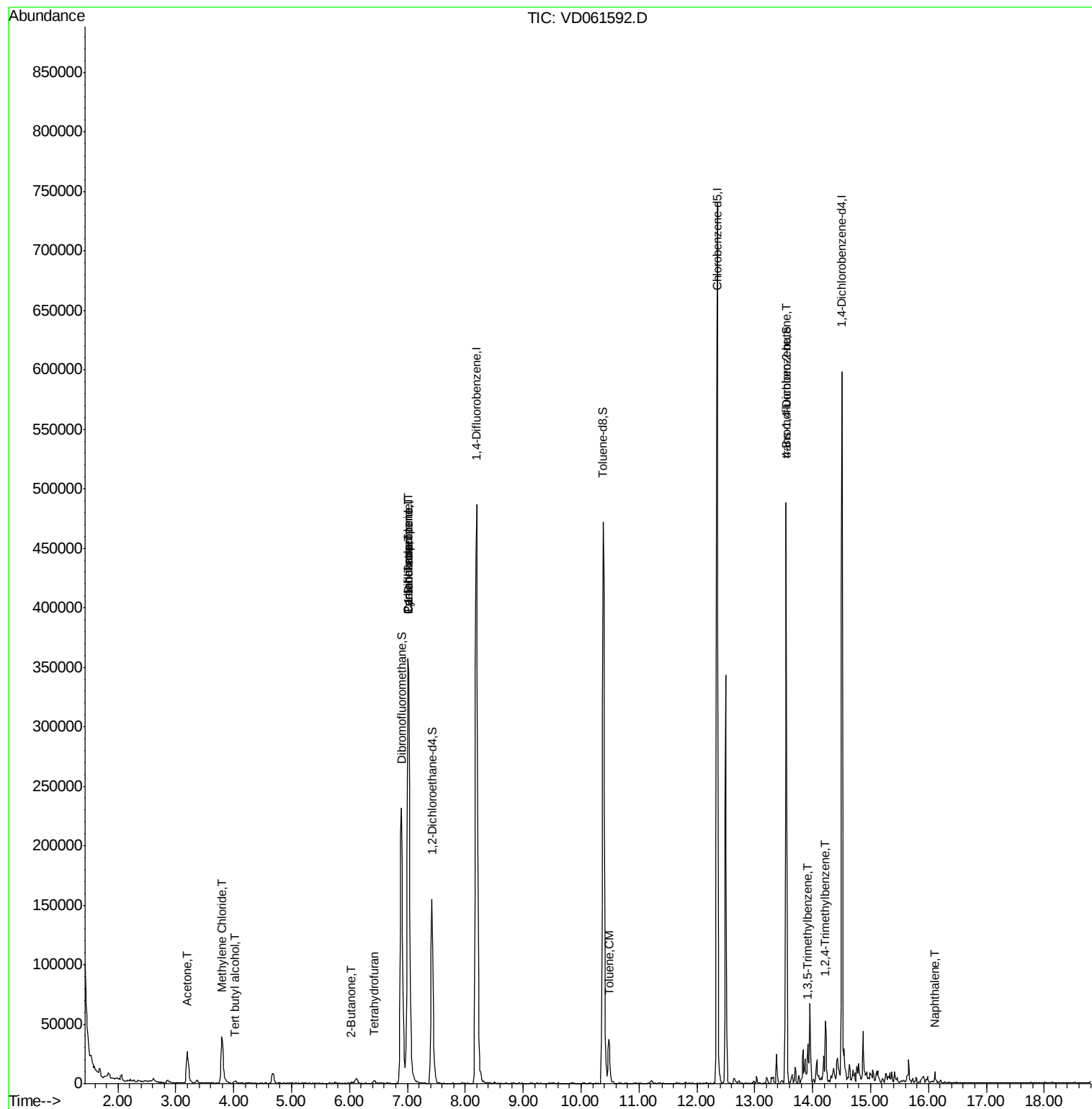
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	4.02	59	4631	21.943	ug/l #	76
16) Acetone	3.19	43	51627	59.263	ug/l	98
20) Methylene Chloride	3.80	84	29260	4.238	ug/l	93
25) 2-Butanone	6.03	43	1513	1.381	ug/l #	54
29) Tetrahydrofuran	6.42	42	2207	4.155	ug/l	93
31) Cyclohexane	7.01	56	6346	1.087	ug/l #	1
36) 1,1-Dichloropropene	7.01	75	29170	5.300	ug/l #	45
38) Carbon Tetrachloride	7.01	117	37931	5.997	ug/l #	14
52) Toluene	10.48	92	21071	2.500	ug/l	98
80) 1,3,5-Trimethylbenzene	13.92	105	13195	1.827	ug/l	98
81) trans-1,4-Dichloro-2-buten	13.54	75	55127	93.608	ug/l #	18
84) 1,2,4-Trimethylbenzene	14.22	105	21171	2.708	ug/l	95
95) Naphthalene	16.11	128	5298	1.991	ug/l	96

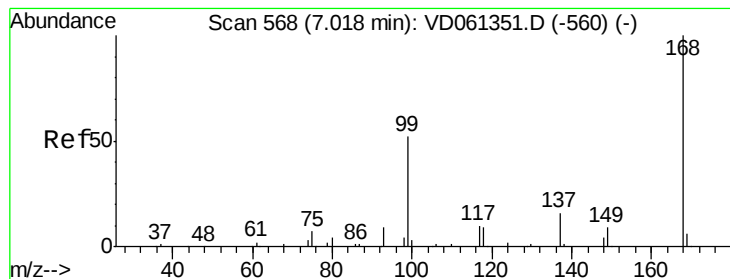
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD040419\
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QLast Update : Thu Mar 28 09:22:37 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.02 min Scan# 569

Delta R.T. 0.01 min

Lab File: VD061592.D

Acq: 4 Apr 2019 21:23

Instrument :

MSVOA_D

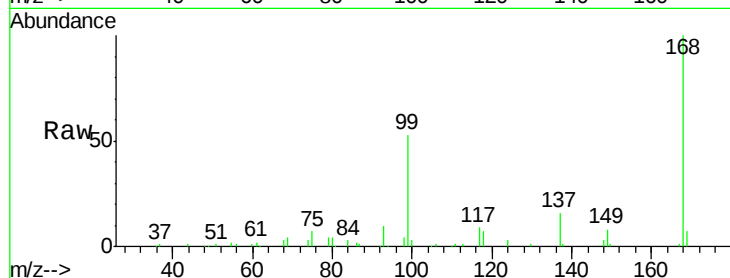
ClientSampleId :

Tot Ion:168 Resp: 396705

Ion Ratio Lower Upper

168 100

99 52.6 43.1 64.7



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC

7.02

150000

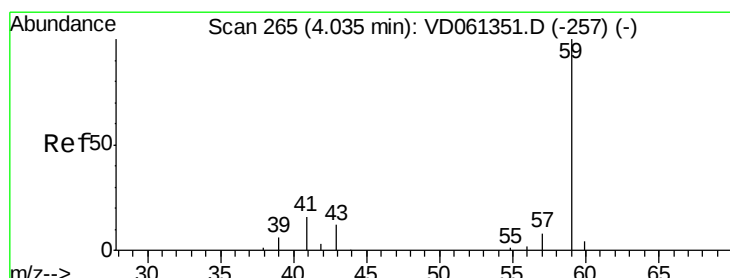
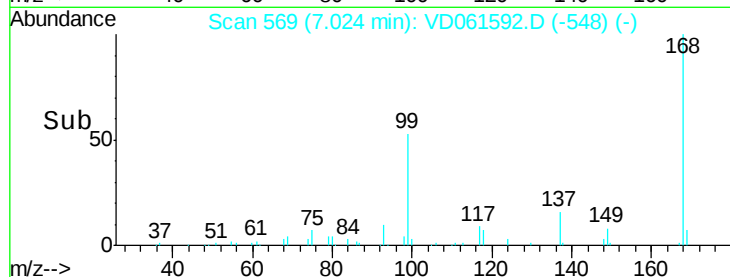
100000

50000

0

6.90 7.00 7.10 7.20

Time-->



#11

Tert butyl alcohol

Concen: 21.943 ug/l

RT: 4.02 min Scan# 264

Delta R.T. -0.01 min

Lab File: VD061592.D

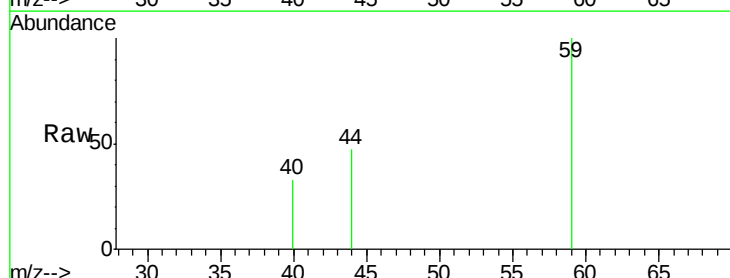
Acq: 4 Apr 2019 21:23

Tgt Ion: 59 Resp: 4631

Ion Ratio Lower Upper

59 100

57 0.0 6.7 10.1#



Abundance Ion 58.95 (58.65 to 59.65): VDC

Ion 56.95 (56.65 to 57.65): VDC

4.02

1500

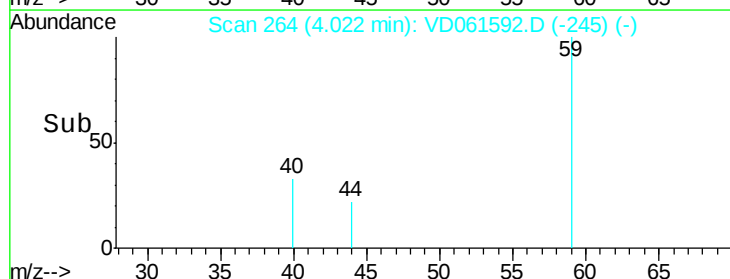
1000

500

0

3.90 3.95 4.00 4.05 4.10

Time-->

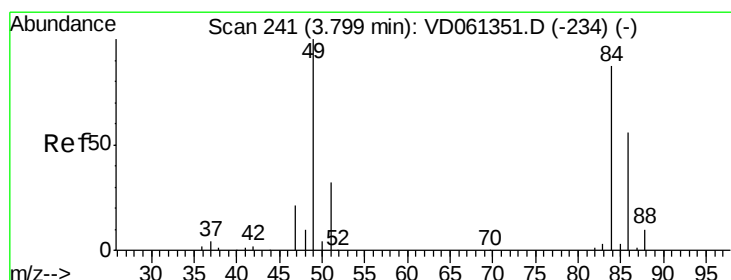
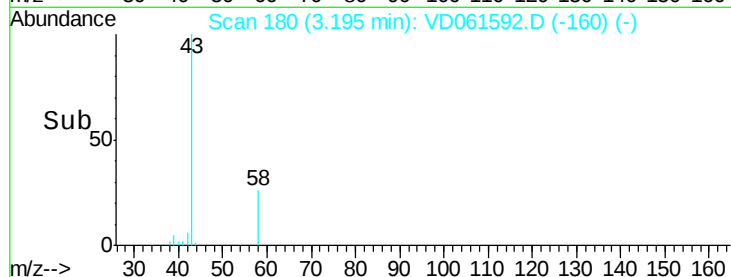
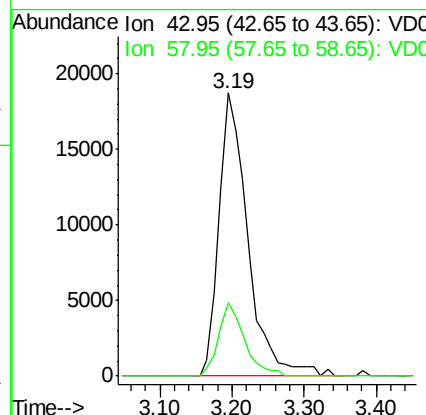
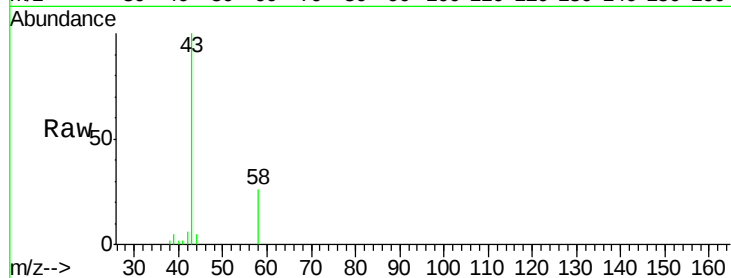




#16
Acetone
Concen: 59.263 ug/l
RT: 3.19 min Scan# 180
Delta R.T. -0.00 min
Lab File: VD061592.D
Acq: 4 Apr 2019 21:23

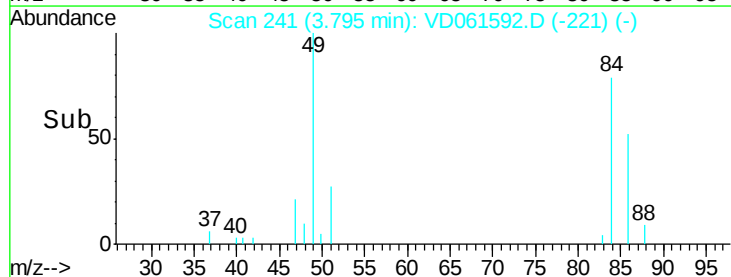
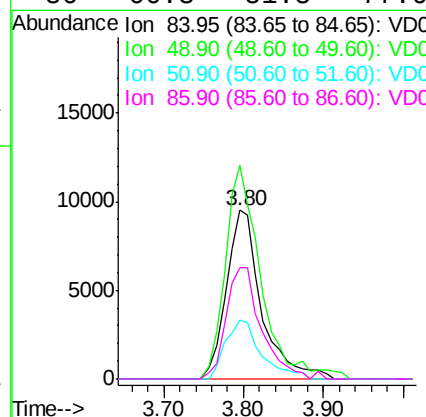
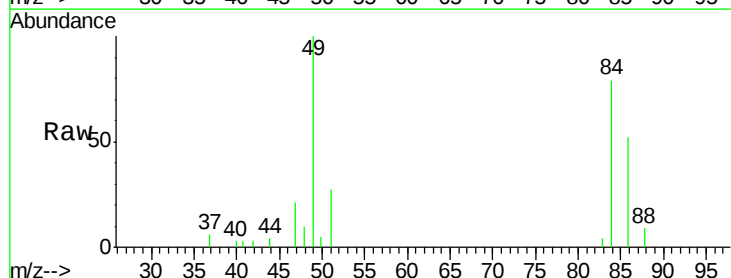
Instrument :
MSVOA_D
ClientSampleId :

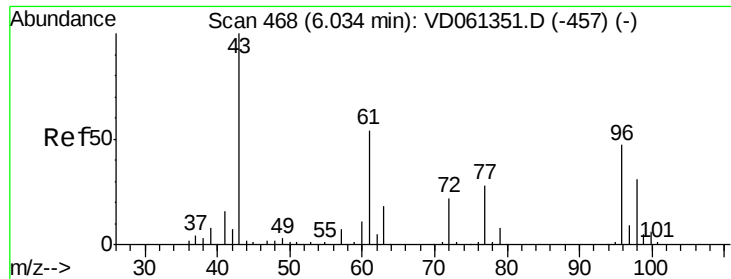
Tot Ion: 43 Resp: 51627
Ion Ratio Lower Upper
43 100
58 26.1 21.5 32.3



#20
Methylene Chloride
Concen: 4.238 ug/l
RT: 3.80 min Scan# 241
Delta R.T. -0.00 min
Lab File: VD061592.D
Acq: 4 Apr 2019 21:23

Tgt Ion: 84 Resp: 29260
Ion Ratio Lower Upper
84 100
49 126.7 91.8 137.8
51 34.7 29.8 44.8
86 66.3 51.8 77.6





#25

2-Butanone

Concen: 1.381 ug/l

RT: 6.03 min Scan# 468

Delta R.T. -0.00 min

Lab File: VD061592.D

Acq: 4 Apr 2019 21:23

Instrument :

MSVOA_D

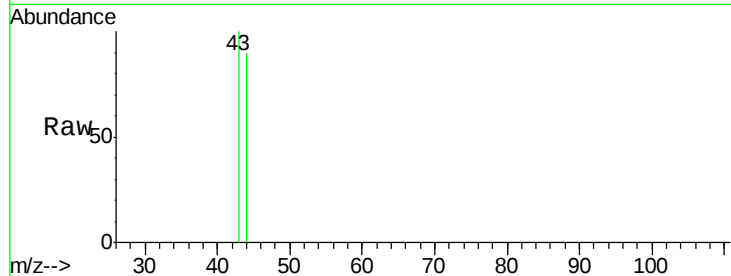
ClientSampleId :

Tot Ion: 43 Resp: 1513

Ion Ratio Lower Upper

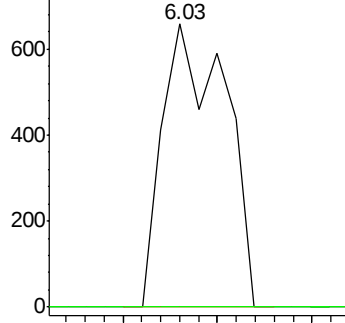
43 100

72 0.0 17.2 25.8#

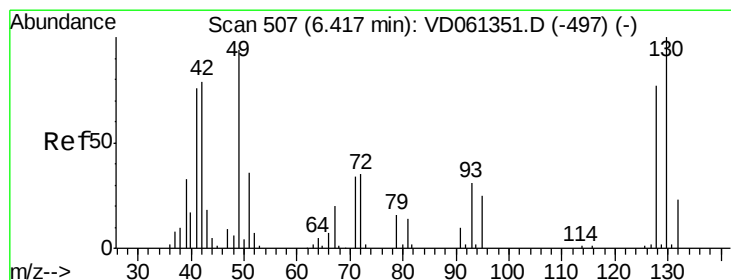
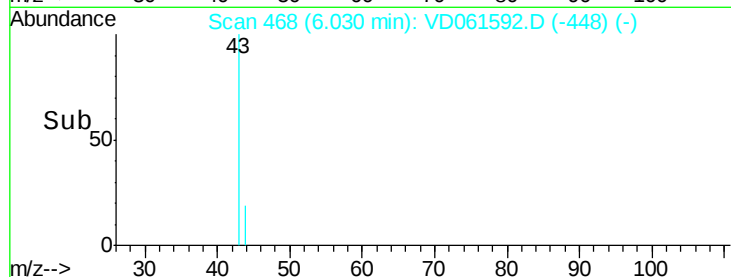


Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 72.00 (71.70 to 72.70): VDC



Time-->



#29

Tetrahydrofuran

Concen: 4.155 ug/l

RT: 6.42 min Scan# 508

Delta R.T. 0.01 min

Lab File: VD061592.D

Acq: 4 Apr 2019 21:23

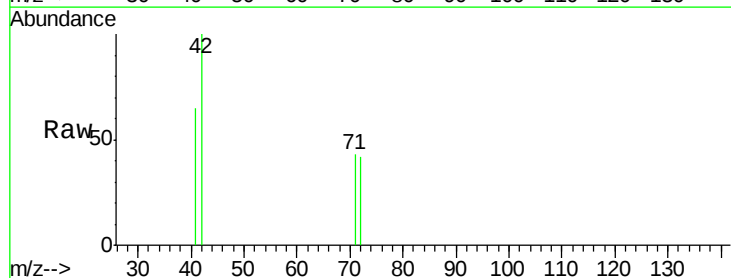
Tgt Ion: 42 Resp: 2207

Ion Ratio Lower Upper

42 100

72 42.4 37.4 56.0

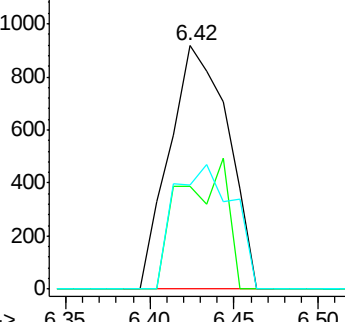
71 51.5 36.7 55.1



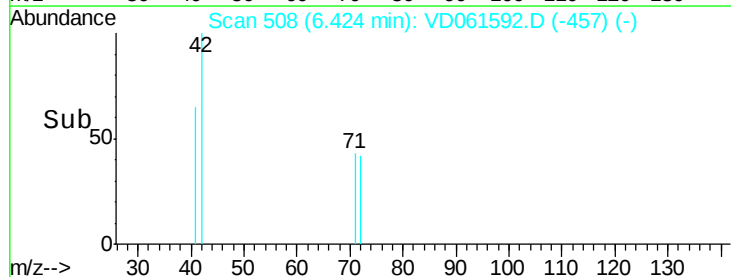
Abundance Ion 42.00 (41.70 to 42.70): VDC

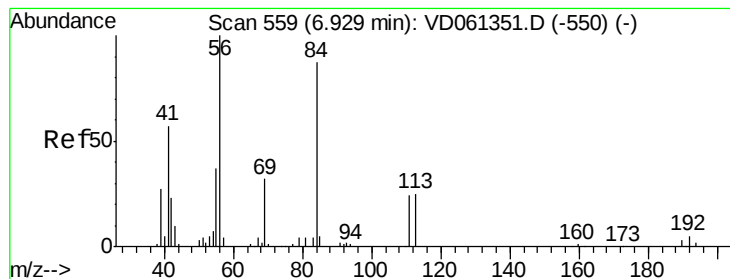
Ion 72.00 (71.70 to 72.70): VDC

Ion 71.00 (70.70 to 71.70): VDC



Time-->





#31

Cyclohexane

Concen: 1.087 ug/l

RT: 7.01 min Scan# 568

Delta R.T. 0.09 min

Lab File: VD061592.D

Acq: 4 Apr 2019 21:23

Instrument :

MSVOA_D

ClientSampleId :

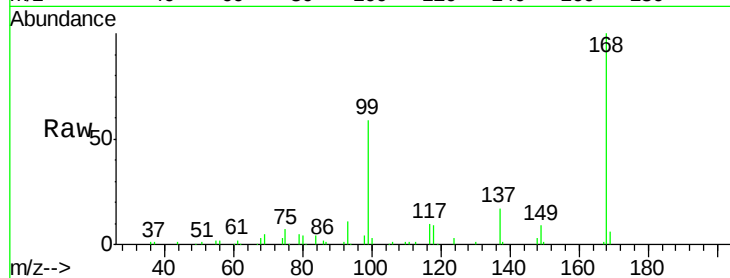
Tot Ion: 56 Resp: 6346

Ion Ratio Lower Upper

56 100

69 289.0 25.7 38.5#

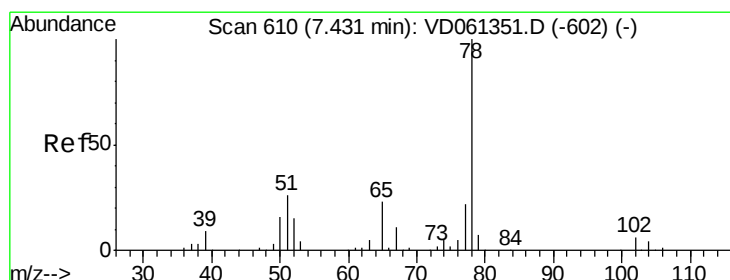
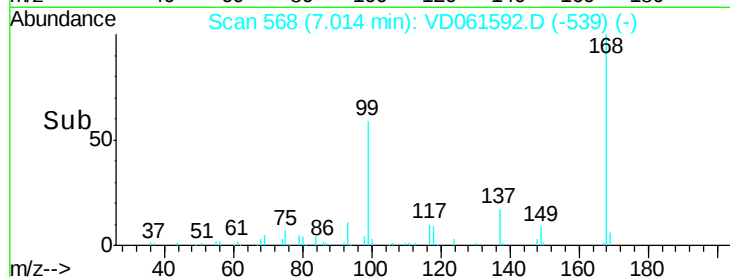
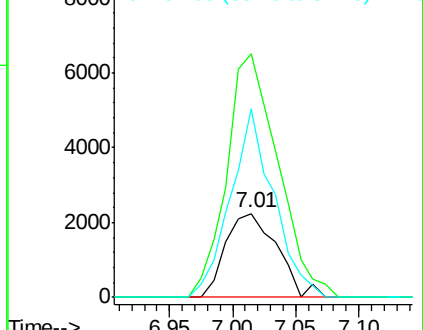
84 223.9 70.6 105.8#



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: 7.42 min Scan# 609

Delta R.T. -0.01 min

Lab File: VD061592.D

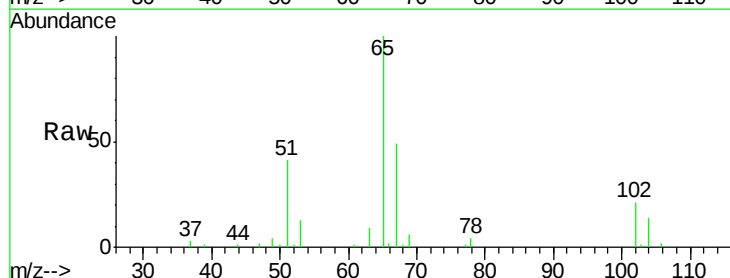
Acq: 4 Apr 2019 21:23

Tgt Ion: 65 Resp: 155787

Ion Ratio Lower Upper

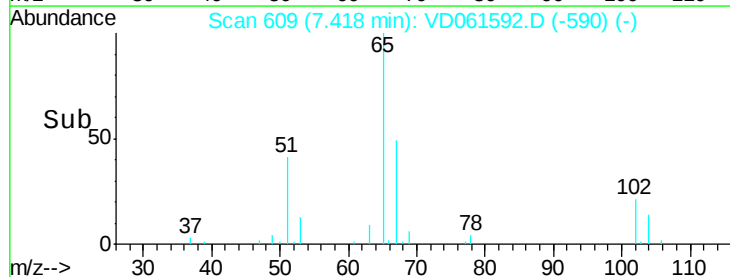
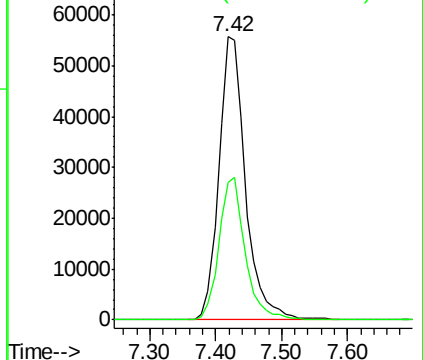
65 100

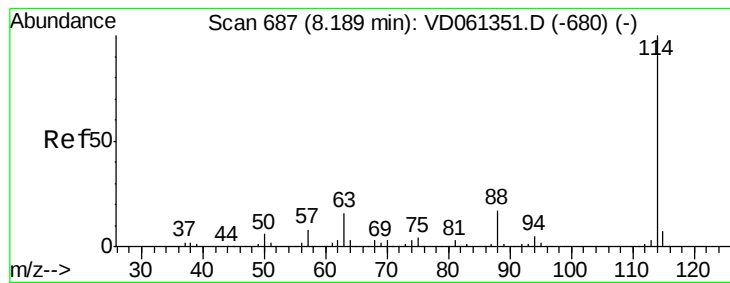
67 48.8 0.0 99.8



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: 8.20 min Scan# 688

Delta R.T. 0.01 min

Lab File: VD061592.D

Acq: 4 Apr 2019 21:23

Instrument :

MSVOA_D

ClientSampleId :

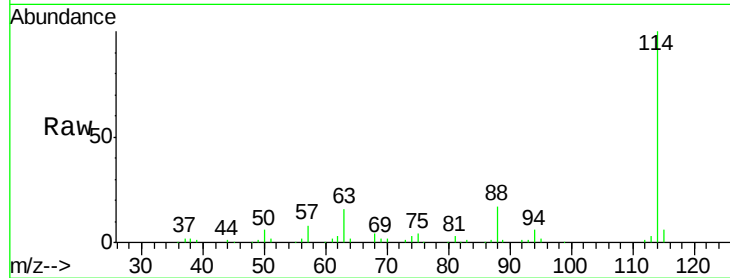
Tot Ion:114 Resp: 630626

Ion Ratio Lower Upper

114 100

63 15.6 0.0 31.6

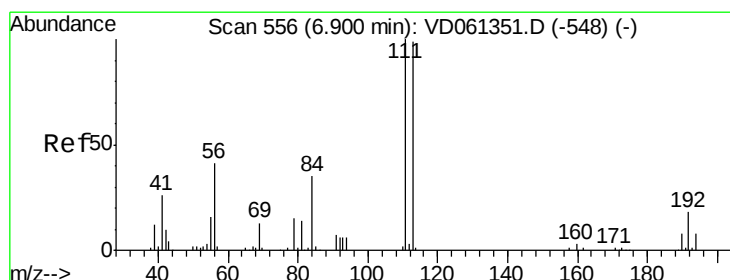
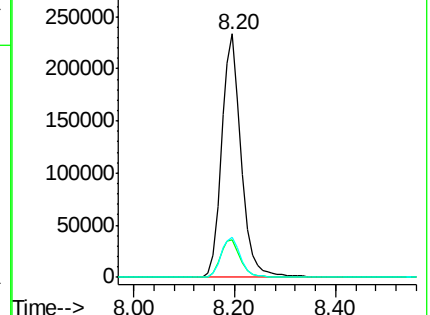
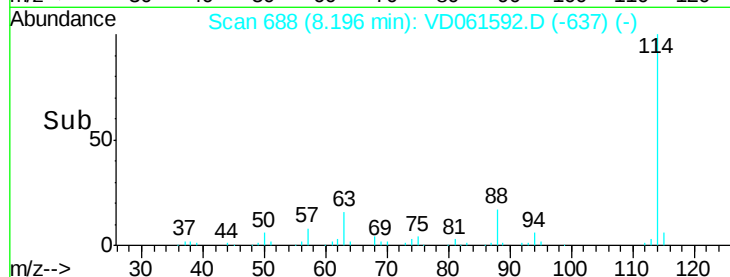
88 16.5 0.0 33.4



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: 6.90 min Scan# 556

Delta R.T. -0.00 min

Lab File: VD061592.D

Acq: 4 Apr 2019 21:23

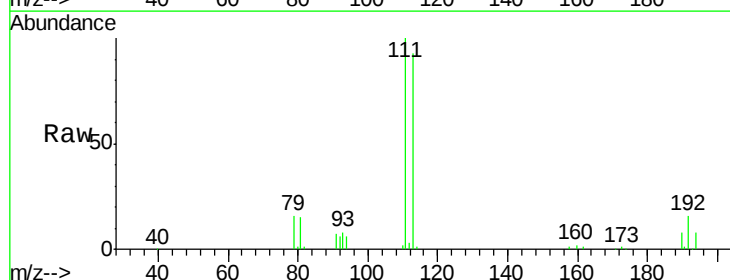
Tgt Ion:113 Resp: 216718

Ion Ratio Lower Upper

113 100

111 107.8 81.0 121.6

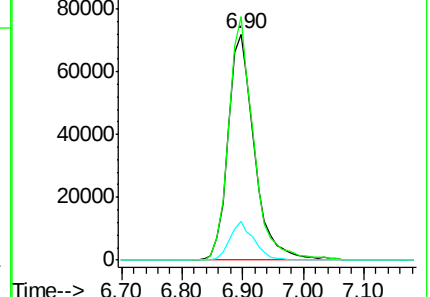
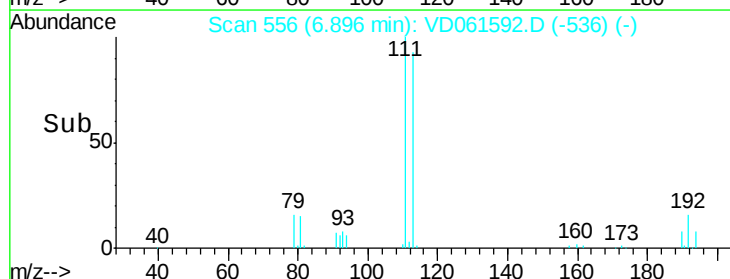
192 17.4 14.4 21.6

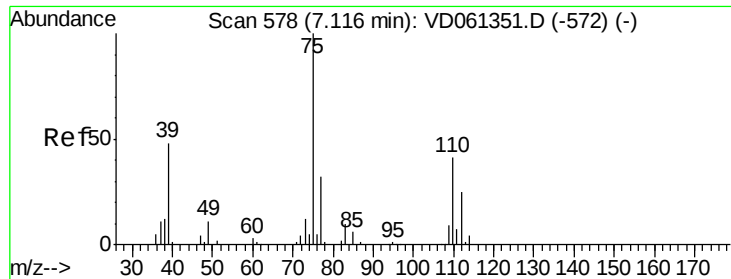


Abundance Ion 112.90 (112.60 to 113.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 191.80 (191.50 to 192.50): V





#36

1,1-Dichloropropene

Concen: 5.300 ug/l

RT: 7.01 min Scan# 568

Delta R.T. -0.10 min

Lab File: VD061592.D

Acq: 4 Apr 2019 21:23

Instrument :

MSVOA_D

ClientSampleId :

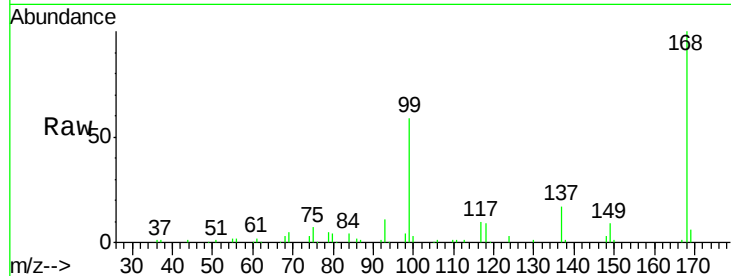
Tot Ion: 75 Resp: 29170

Ion Ratio Lower Upper

75 100

110 7.6 20.4 61.3#

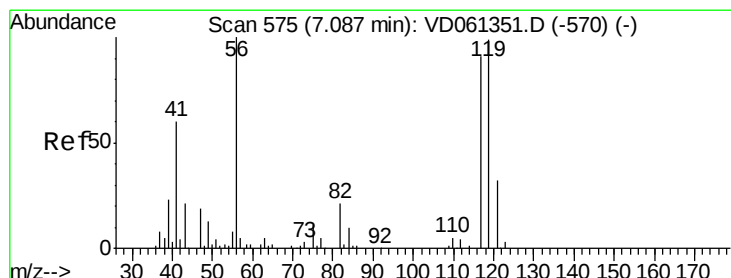
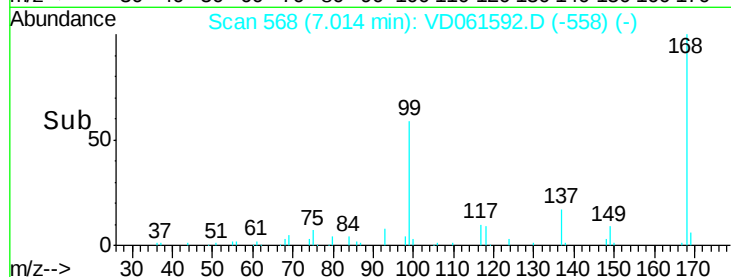
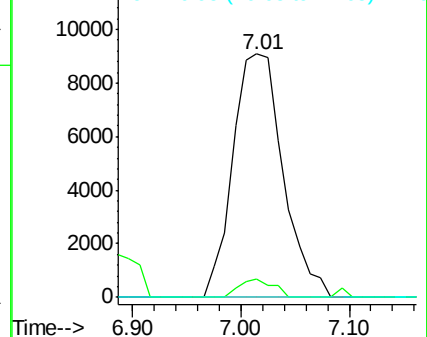
77 0.0 24.9 37.3#



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: 5.997 ug/l

RT: 7.01 min Scan# 568

Delta R.T. -0.07 min

Lab File: VD061592.D

Acq: 4 Apr 2019 21:23

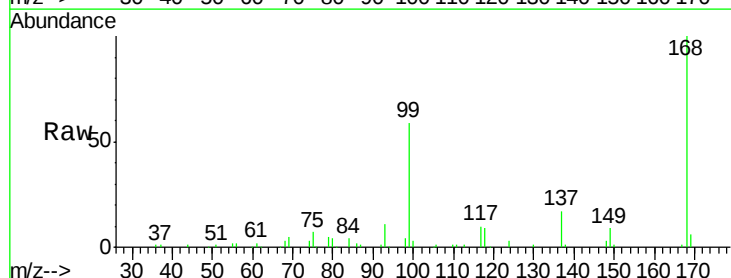
Tgt Ion: 117 Resp: 37931

Ion Ratio Lower Upper

117 100

119 4.5 80.1 120.1#

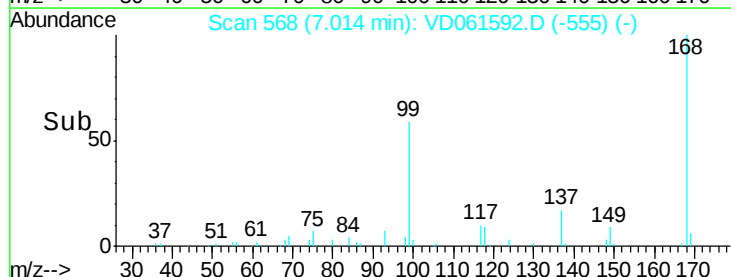
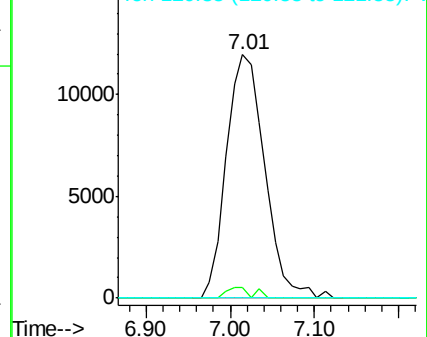
121 0.0 25.6 38.4#

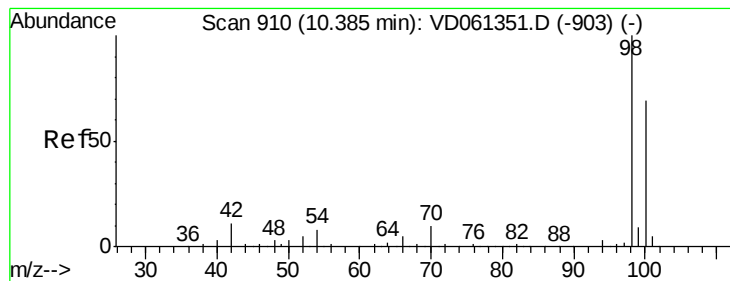


Abundance Ion 116.85 (116.55 to 117.55): V

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: 10.38 min Scan# 910

Delta R.T. -0.00 min

Lab File: VD061592.D

Acq: 4 Apr 2019 21:23

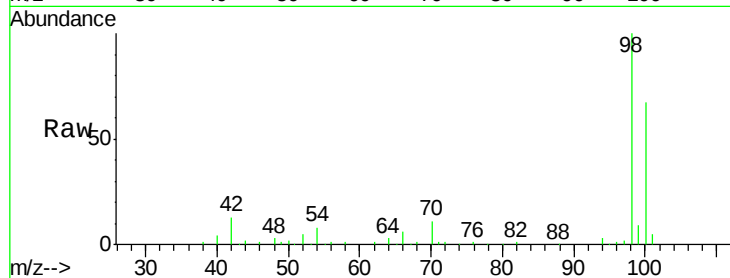
Instrument :
MSVOA_D
ClientSampled :

Tot Ion: 98 Resp: 422974

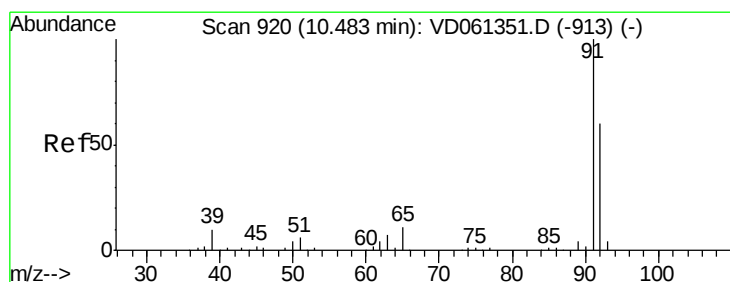
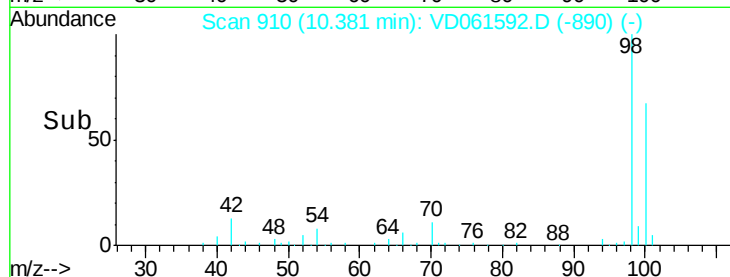
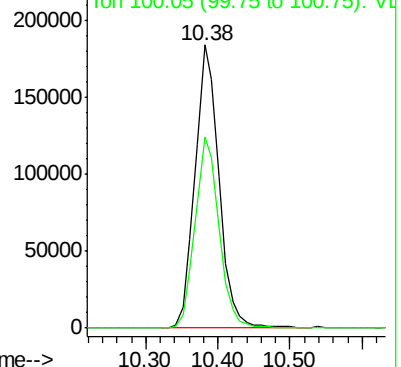
Ion Ratio Lower Upper

98 100

100 67.4 56.2 84.2



Abundance Ion 98.05 (97.75 to 98.75): VD061351.D (-903) (-)



#52

Toluene

Concen: 2.500 ug/l

RT: 10.48 min Scan# 920

Delta R.T. -0.00 min

Lab File: VD061592.D

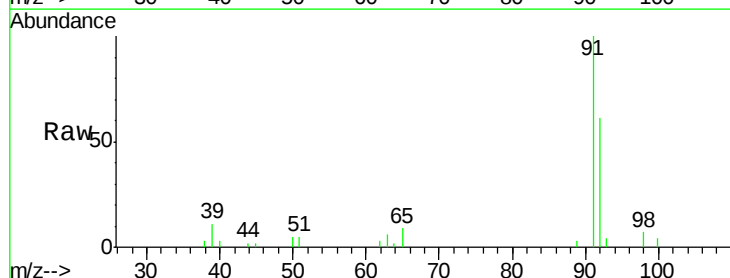
Acq: 4 Apr 2019 21:23

Tgt Ion: 92 Resp: 21071

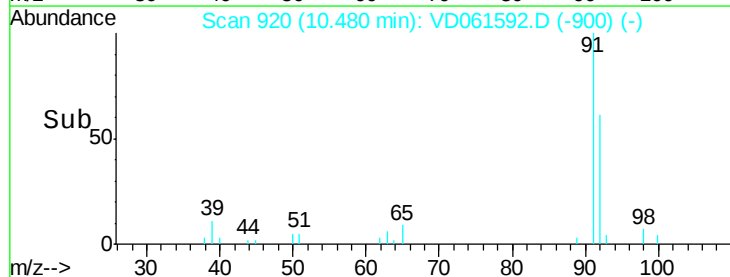
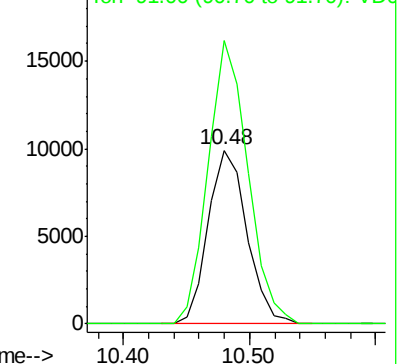
Ion Ratio Lower Upper

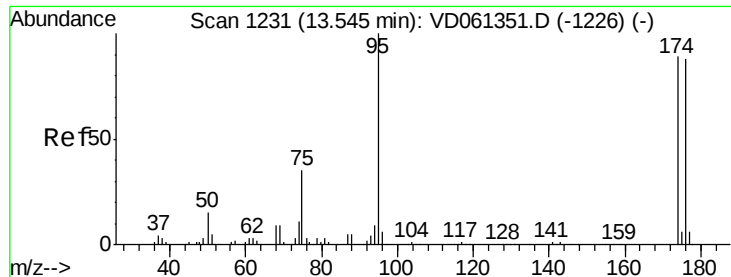
92 100

91 163.3 133.3 199.9



Abundance Ion 92.00 (91.70 to 92.70): VD061351.D (-913) (-)

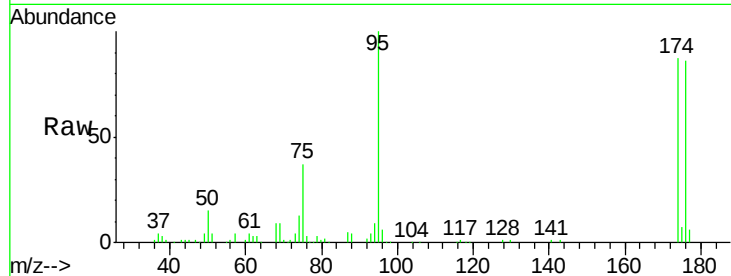




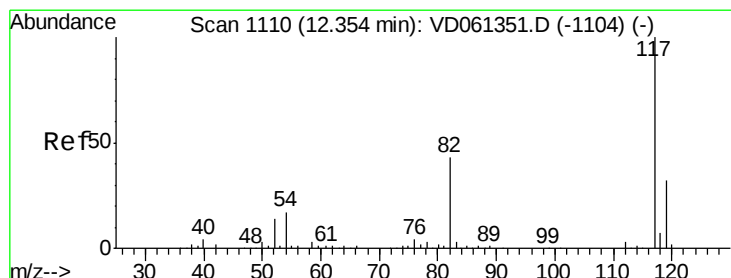
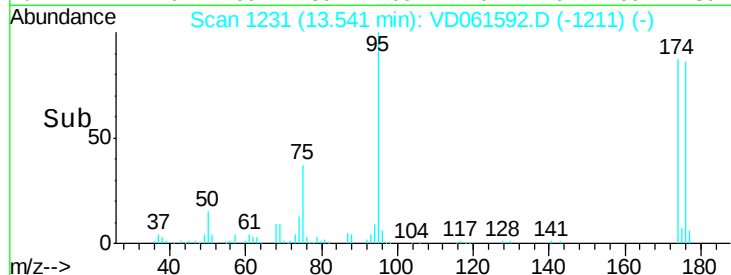
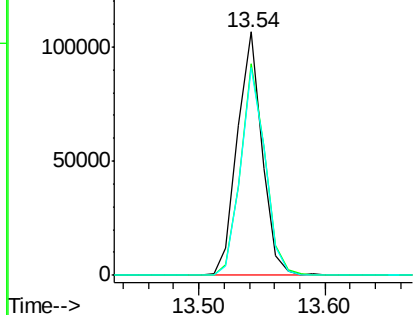
#62
4-Bromofluorobenzene
Concen: N.D. ug/l
RT: 13.54 min Scan# 1231
Delta R.T. -0.00 min
Lab File: VD061592.D
Acq: 4 Apr 2019 21:23

Instrument :
MSVOA_D
ClientSampled :

Tot Ion: 95 Resp: 143333
Ion Ratio Lower Upper
95 100
174 86.9 0.0 178.0
176 85.6 0.0 175.0

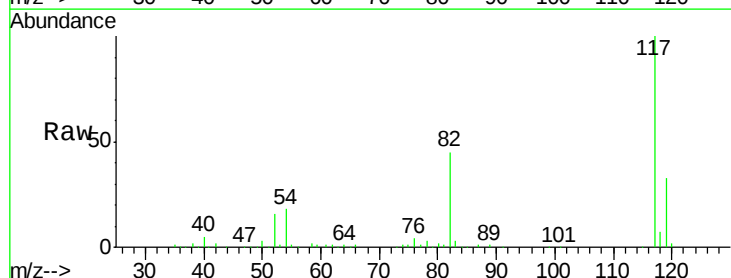


Abundance Ion 95.00 (94.70 to 95.70): V
Ion 173.90 (173.60 to 174.60): V
Ion 175.90 (175.60 to 176.60): V

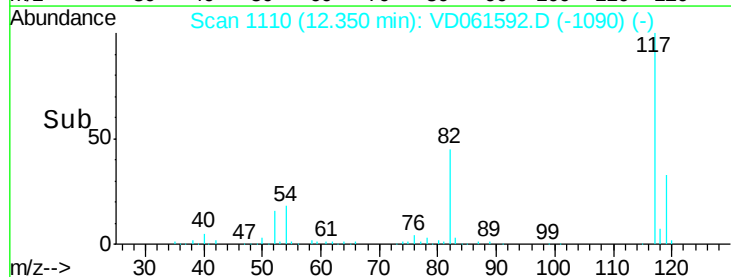
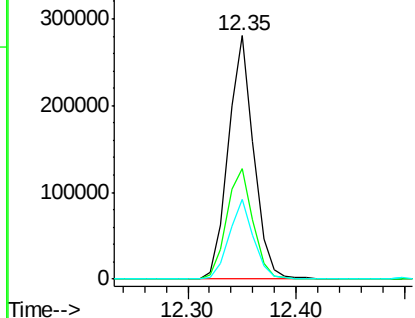


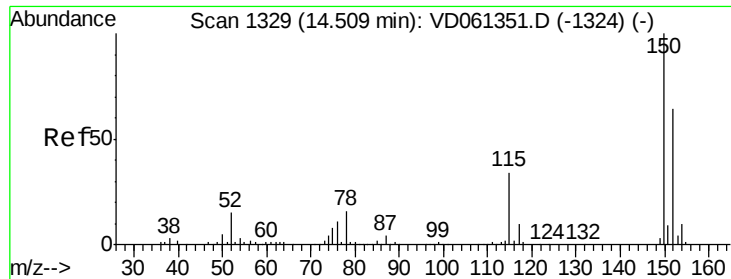
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 12.35 min Scan# 1110
Delta R.T. -0.00 min
Lab File: VD061592.D
Acq: 4 Apr 2019 21:23

Tgt Ion: 117 Resp: 459115
Ion Ratio Lower Upper
117 100
82 45.3 34.4 51.6
119 32.7 25.8 38.6



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# 1329

Delta R.T. -0.00 min

Lab File: VD061592.D

Acq: 4 Apr 2019 21:23

Instrument :

MSVOA_D

ClientSampleId :

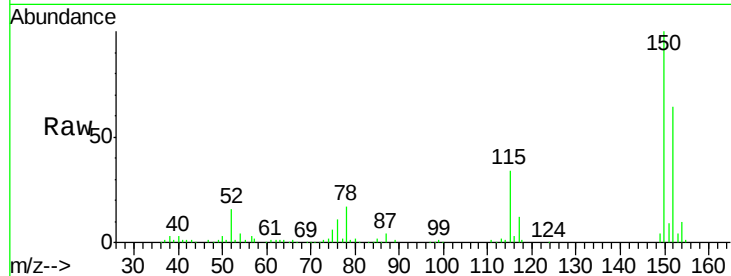
Tot Ion:152 Resp: 133711

Ion Ratio Lower Upper

152 100

115 52.7 26.9 80.6

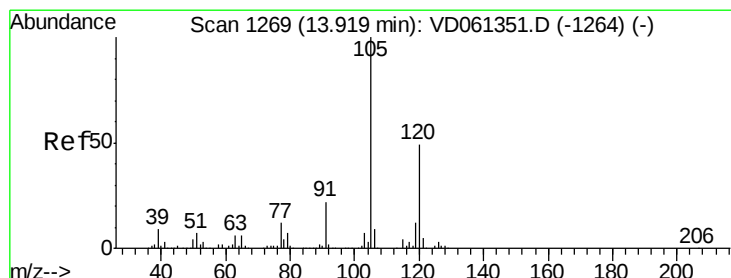
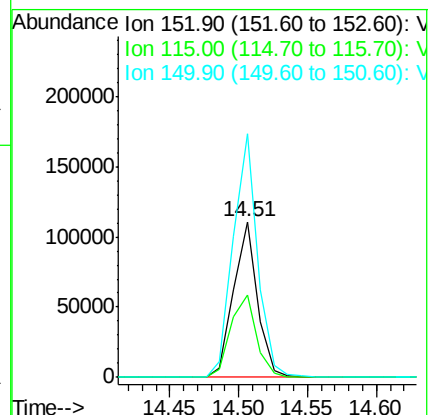
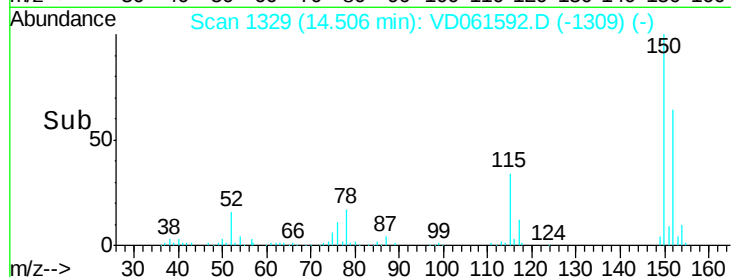
150 156.2 0.0 318.0



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



#80

1,3,5-Trimethylbenzene

Concen: 1.827 ug/l

RT: 13.92 min Scan# 1269

Delta R.T. -0.00 min

Lab File: VD061592.D

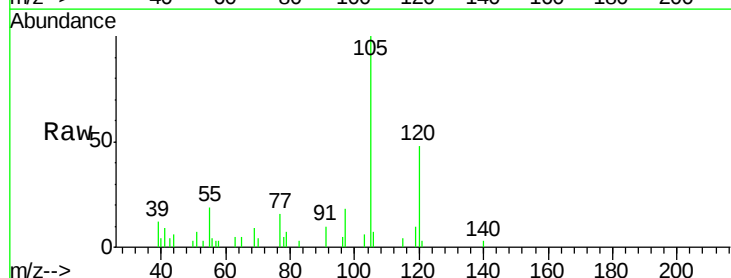
Acq: 4 Apr 2019 21:23

Tgt Ion:105 Resp: 13195

Ion Ratio Lower Upper

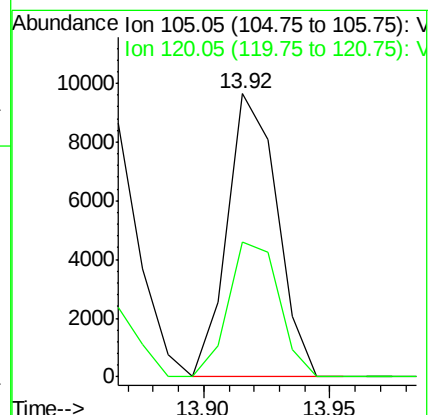
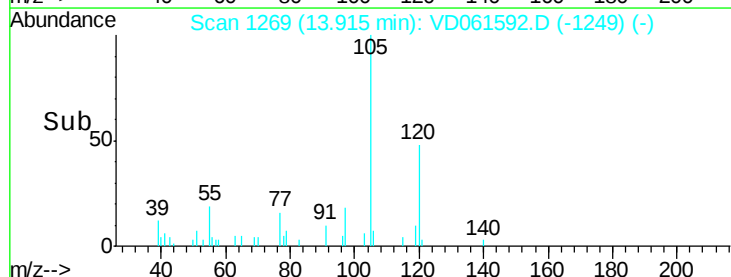
105 100

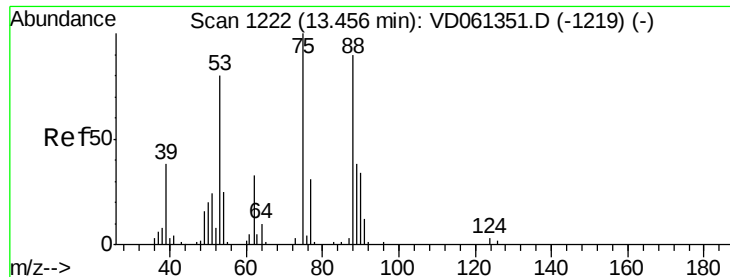
120 47.9 24.6 73.6



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.05 (119.75 to 120.75): V

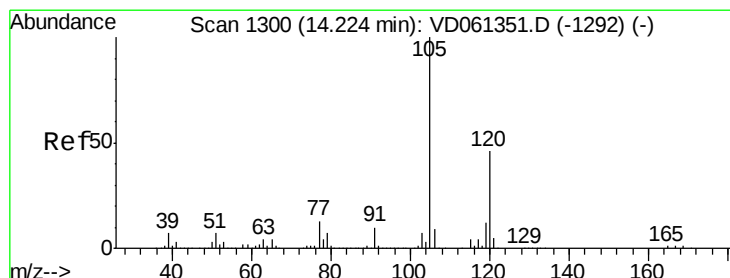
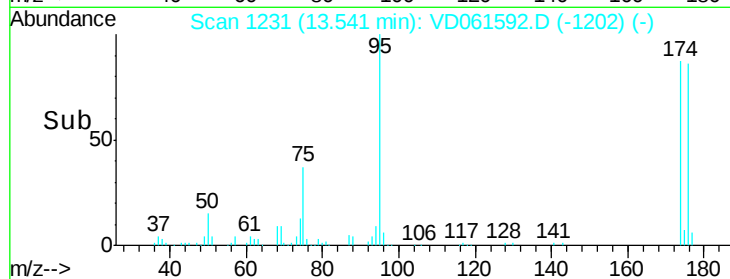
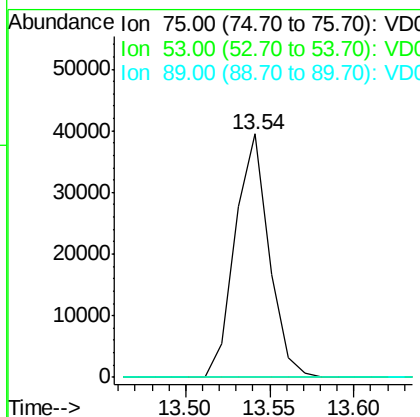
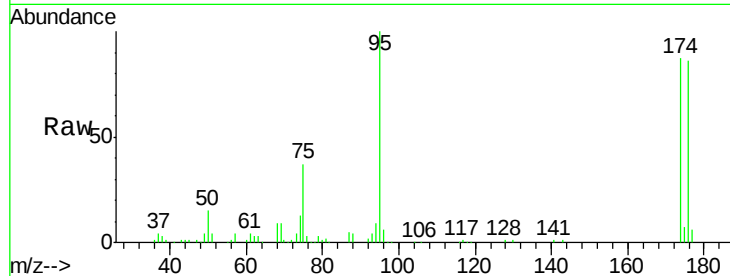




#81
trans-1,4-Dichloro-2-butene
Concen: 93.608 ug/l
RT: 13.54 min Scan# 1231
Delta R.T. 0.09 min
Lab File: VD061592.D
Acq: 4 Apr 2019 21:23

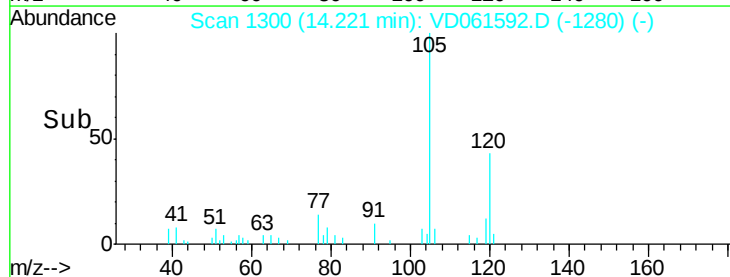
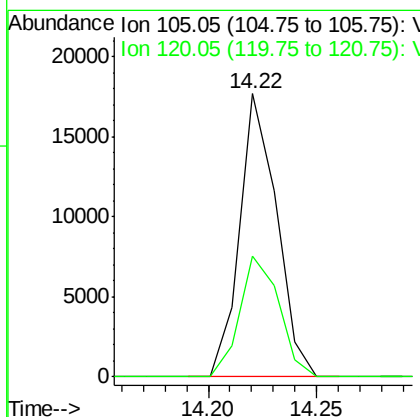
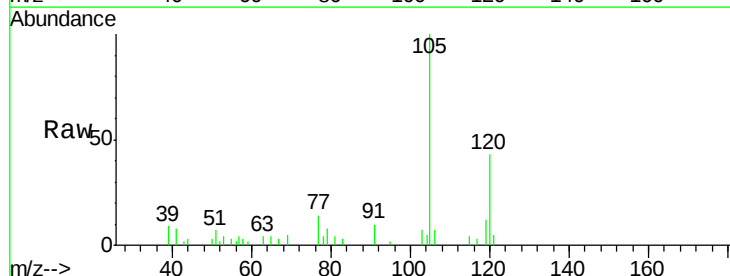
Instrument :
MSVOA_D
ClientSampled :

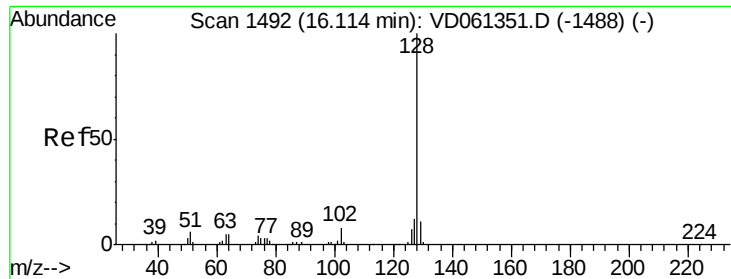
Tot Ion: 75 Resp: 55127
Ion Ratio Lower Upper
75 100
53 0.0 63.8 95.8#
89 0.0 30.5 45.7#



#84
1,2,4-Trimethylbenzene
Concen: 2.708 ug/l
RT: 14.22 min Scan# 1300
Delta R.T. -0.00 min
Lab File: VD061592.D
Acq: 4 Apr 2019 21:23

Tgt Ion:105 Resp: 21171
Ion Ratio Lower Upper
105 100
120 42.6 22.8 68.4

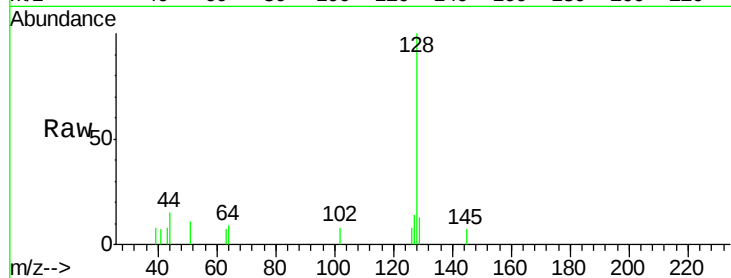




#95
Naphthalene
Concen: 1.991 ug/l
RT: 16.11 min Scan# 1492
Delta R.T. -0.00 min
Lab File: VD061592.D
Acq: 4 Apr 2019 21:23

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
128	100		
127	13.8	9.9	14.9
129	12.7	8.9	13.3



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

