

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD040419\
 Data File : VD061605.D
 Acq On : 5 Apr 2019 5:42
 Operator : VA/AP
 Sample : K2257-09
 Misc : 4.15a/5ml/MSVOA D/SOIL
 ALS Vial : 37 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Apr 05 06:45:12 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	7.01	168	100117	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.19	114	203453	50.00	ug/l	0.00
63) Chlorobenzene-d5	12.34	117	182082	50.00	ug/l	-0.01
72) 1,4-Dichlorobenzene-d4	14.51	152	65756	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	80579	94.22	ug/l	-0.01
Spiked Amount				50.000		
			Recovery	=	188.44%	
35) Dibromofluoromethane	6.89	113	101066	65.00	ug/l	-0.01
Spiked Amount				50.000		
			Recovery	=	130.00%	
50) Toluene-d8	10.38	98	181316	48.62	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	97.24%	
62) 4-Bromofluorobenzene	13.53	95	73054	51.09	ug/l	-0.01
Spiked Amount				50.000		
			Recovery	=	102.18%	

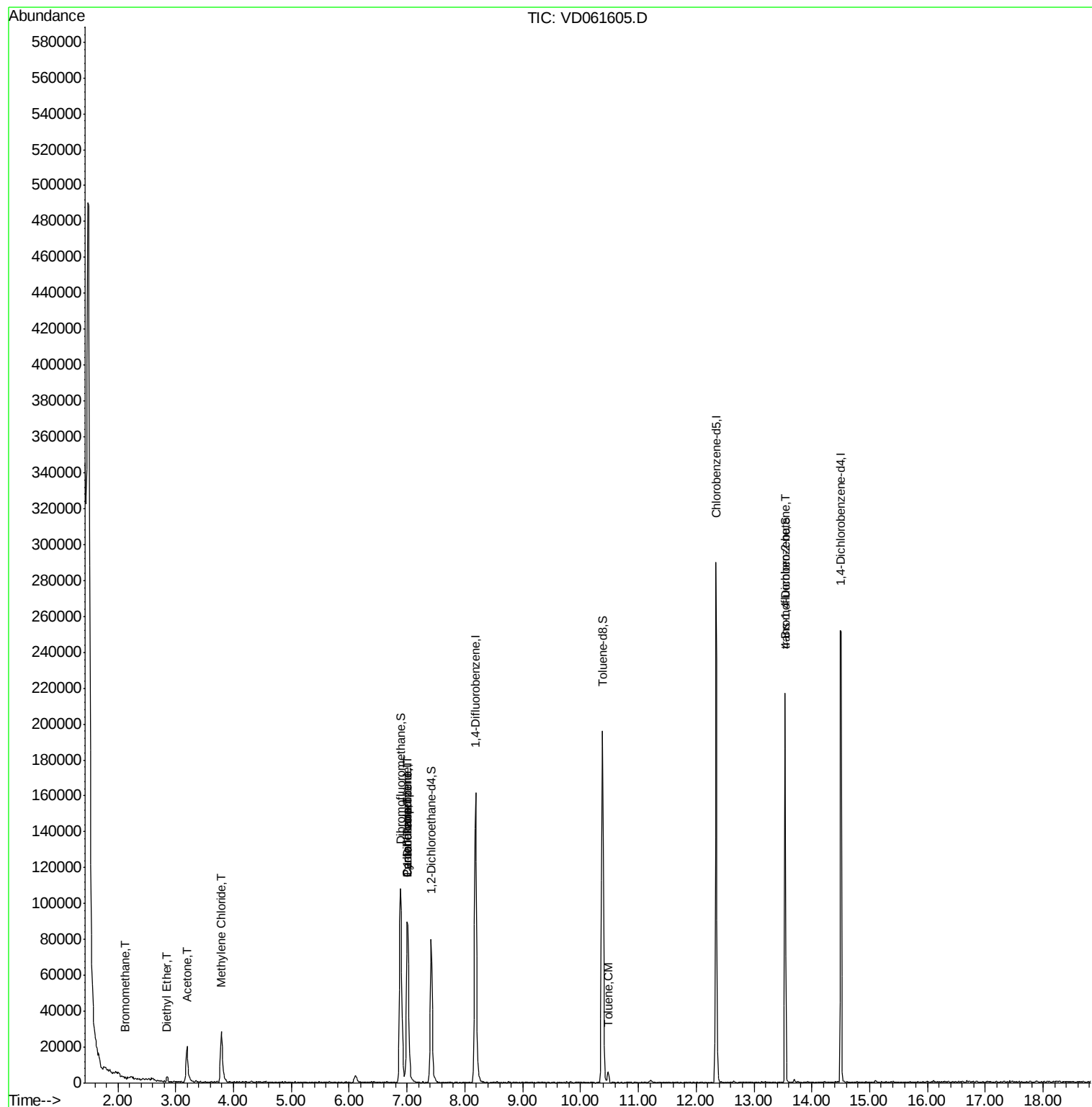
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	2.13	94	380	2.393	ug/l #	10
8) Diethyl Ether	2.85	74	727	1.939	ug/l #	17
16) Acetone	3.19	43	35525	161.585	ug/l	95
20) Methylene Chloride	3.79	84	22513	17.013	ug/l	95
31) Cyclohexane	7.00	56	1544	1.048	ug/l #	10
36) 1,1-Dichloropropene	7.01	75	7004	3.944	ug/l #	38
38) Carbon Tetrachloride	7.00	117	9638	4.723	ug/l #	10
52) Toluene	10.48	92	3497	1.286	ug/l	94
81) trans-1,4-Dichloro-2-buten	13.53	75	27660	95.507	ug/l #	18

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

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Quant Title : SW846 8260
QLast Update : Thu Mar 28 09:22:37 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.01 min Scan# 568

Delta R.T. -0.00 min

Lab File: VD061605.D

Acq: 5 Apr 2019 5:42

Instrument :

MSVOA_D

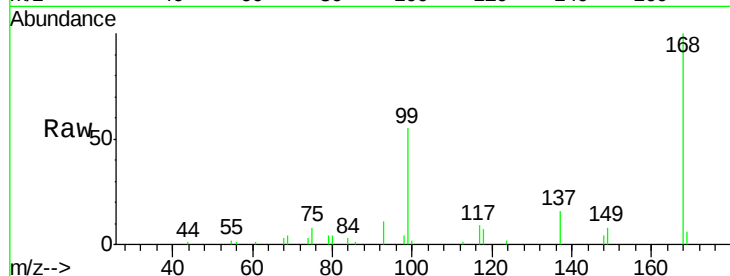
ClientSampled :

Tot Ion:168 Resp: 100117

Ion Ratio Lower Upper

168 100

99 54.7 43.1 64.7



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC

7.01

30000

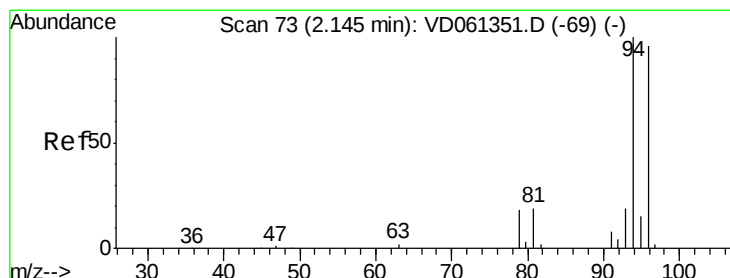
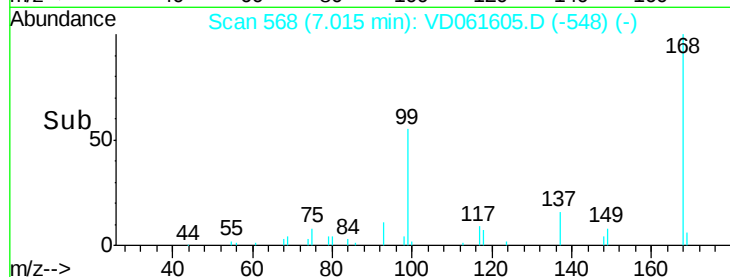
20000

10000

0

6.90 7.00 7.10 7.20

Time-->



#5

Bromomethane

Concen: 2.393 ug/l

RT: 2.13 min Scan# 72

Delta R.T. -0.01 min

Lab File: VD061605.D

Acq: 5 Apr 2019 5:42

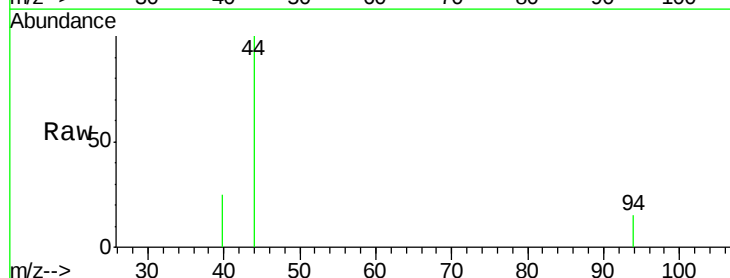
Tgt Ion: 94 Resp: 380

Ion Ratio Lower Upper

94 100

96 0.0 78.3 117.5#

93 0.0 15.6 23.4#



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

600

500

400

300

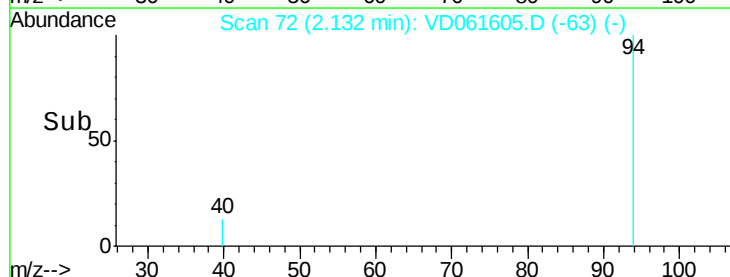
200

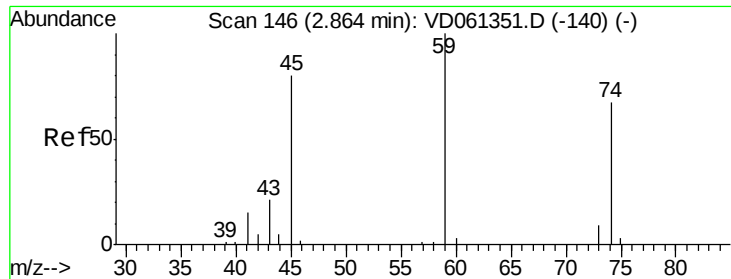
100

0

2.10 2.12 2.14

Time-->





#8

Diethyl Ether

Concen: 1.939 ug/l

RT: 2.85 min Scan# 145

Delta R.T. -0.01 min

Lab File: VD061605.D

Acq: 5 Apr 2019 5:42

Instrument :

MSVOA_D

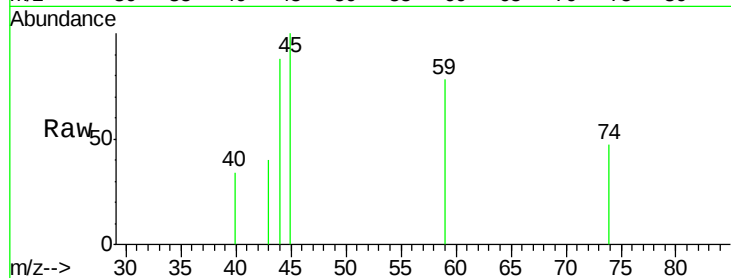
ClientSampleId :

Tot Ion: 74 Resp: 727

Ion Ratio Lower Upper

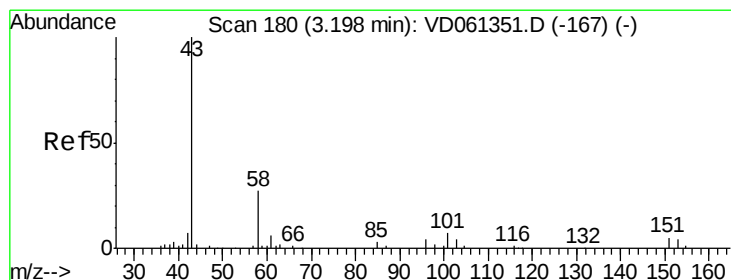
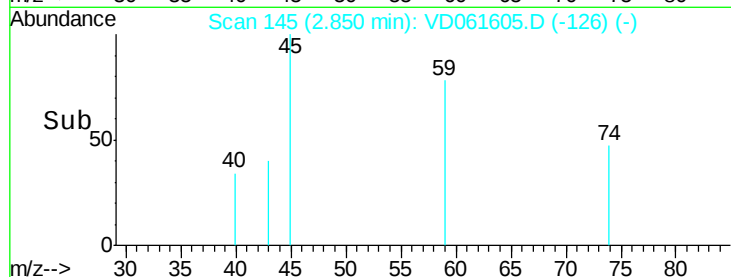
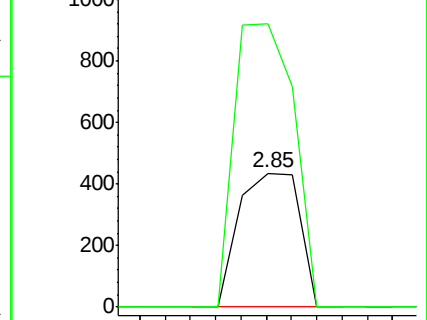
74 100

45 211.0 59.7 179.1#



Abundance Ion 74.00 (73.70 to 74.70): VDC

Ion 45.05 (44.75 to 45.75): VDC



#16

Acetone

Concen: 161.585 ug/l

RT: 3.19 min Scan# 180

Delta R.T. -0.00 min

Lab File: VD061605.D

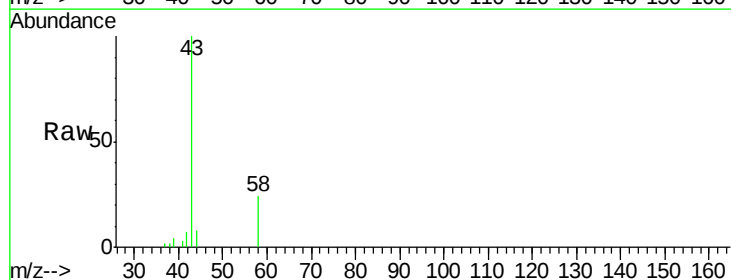
Acq: 5 Apr 2019 5:42

Tgt Ion: 43 Resp: 35525

Ion Ratio Lower Upper

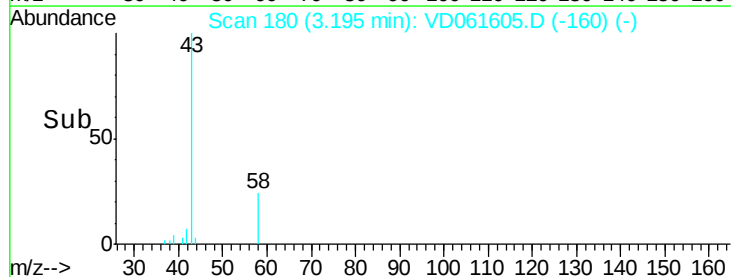
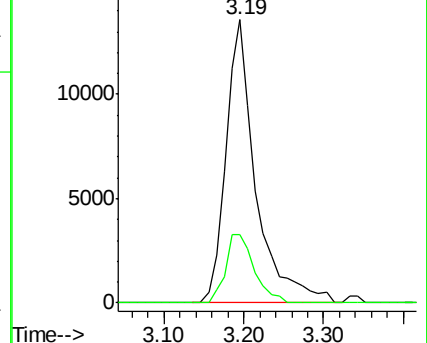
43 100

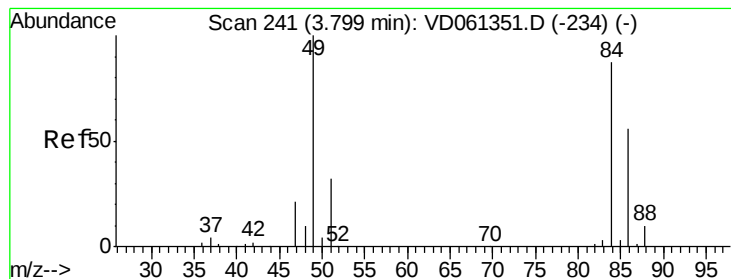
58 24.4 21.5 32.3



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC





#20

Methylene Chloride

Concen: 17.013 ug/l

RT: 3.79 min Scan# 240

Delta R.T. -0.01 min

Lab File: VD061605.D

Acq: 5 Apr 2019 5:42

Instrument :

MSVOA_D

ClientSampleId :

Tot Ion: 84 Resp: 22513

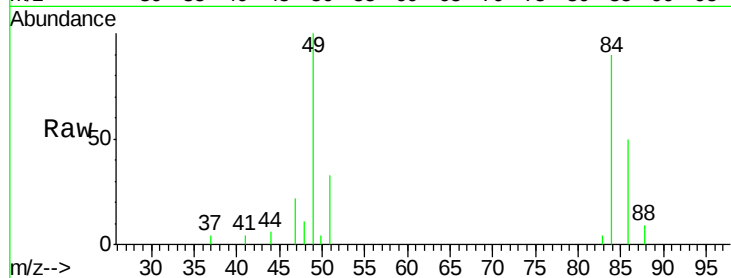
Ion Ratio Lower Upper

84 100

49 111.3 91.8 137.8

51 36.3 29.8 44.8

86 55.9 51.8 77.6

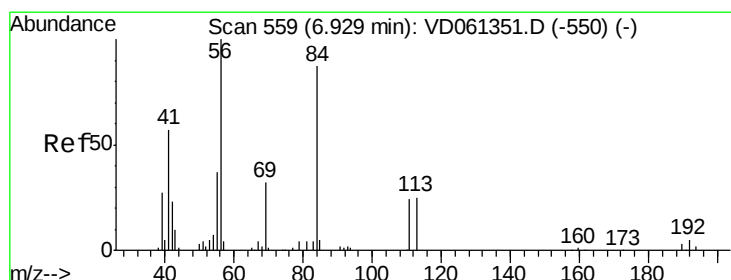
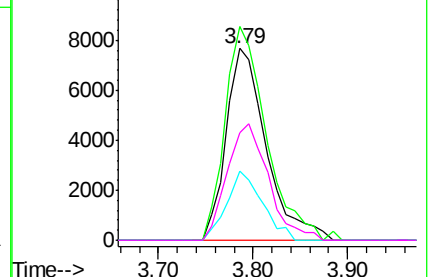
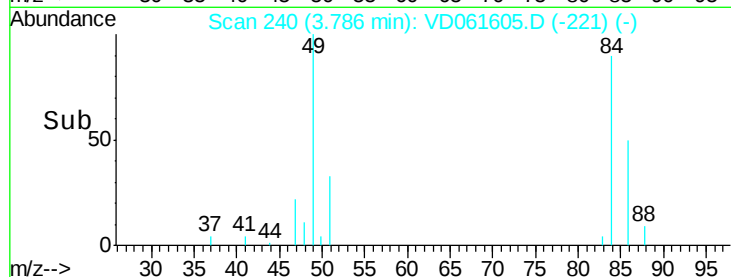


Abundance Ion 83.95 (83.65 to 84.65): VDC

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: 1.048 ug/l

RT: 7.00 min Scan# 567

Delta R.T. 0.08 min

Lab File: VD061605.D

Acq: 5 Apr 2019 5:42

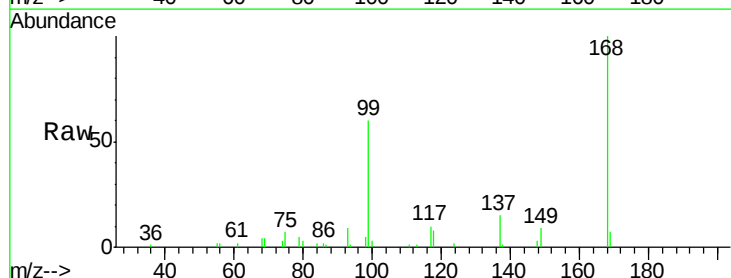
Tgt Ion: 56 Resp: 1544

Ion Ratio Lower Upper

56 100

69 199.3 25.7 38.5#

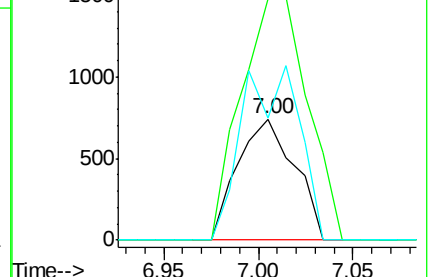
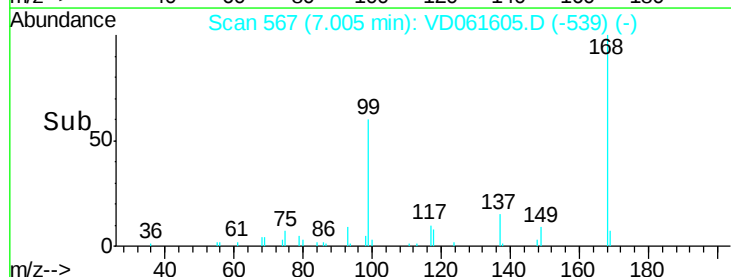
84 101.3 70.6 105.8

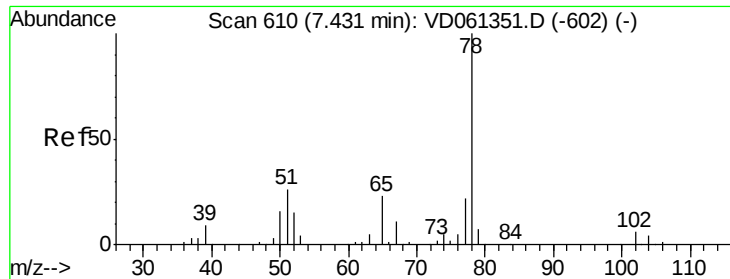


Abundance Ion 55.95 (55.65 to 56.65): VDC

Ion 69.00 (68.70 to 69.70): VDC

Ion 84.05 (83.75 to 84.75): VDC

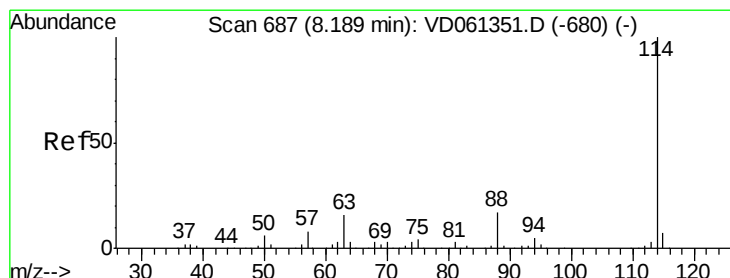
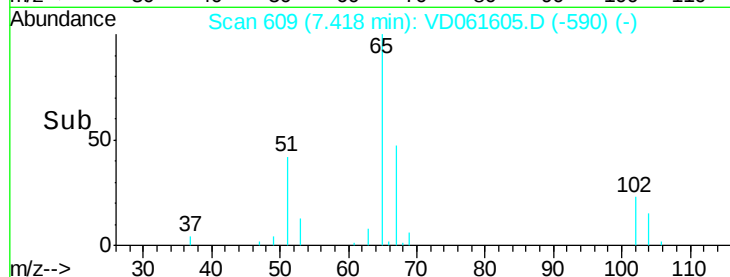
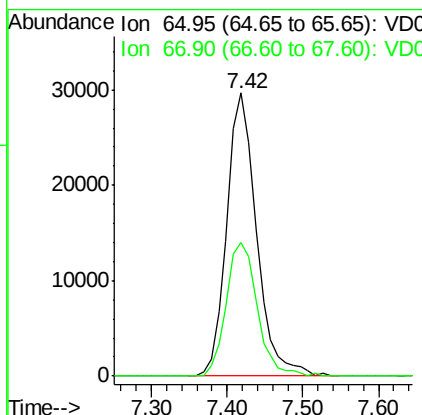
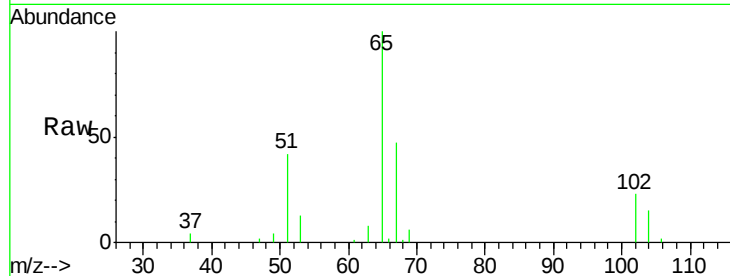




#33
 1,2-Dichloroethane-d4
 Concen: N.D. ug/l
 RT: 7.42 min Scan# 609
 Delta R.T. -0.01 min
 Lab File: VD061605.D
 Acq: 5 Apr 2019 5:42

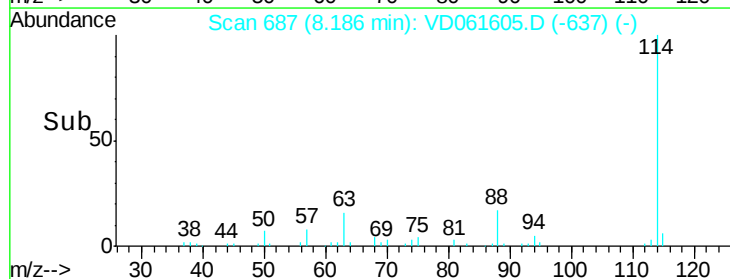
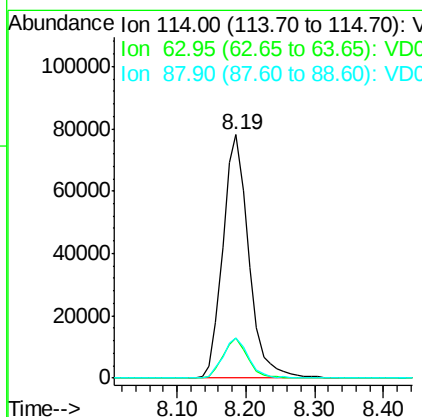
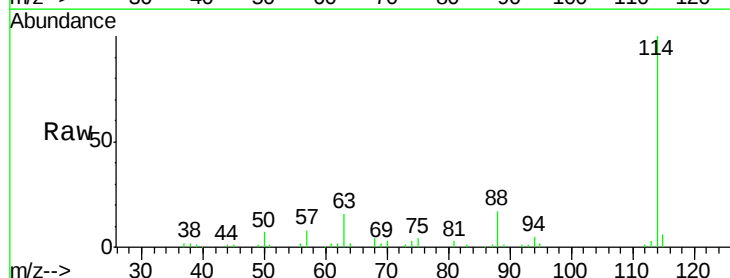
Instrument :
 MSVOA_D
 ClientSampleId :

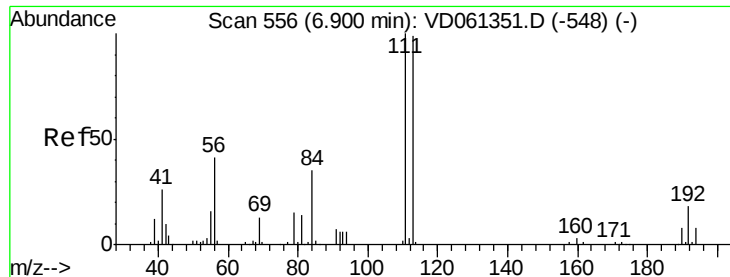
Tot Ion: 65 Resp: 80579
 Ion Ratio Lower Upper
 65 100
 67 47.1 0.0 99.8



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.19 min Scan# 687
 Delta R.T. -0.00 min
 Lab File: VD061605.D
 Acq: 5 Apr 2019 5:42

Tgt Ion: 114 Resp: 203453
 Ion Ratio Lower Upper
 114 100
 63 16.2 0.0 31.6
 88 16.6 0.0 33.4





#35

Dibromofluoromethane

Concen: 50.000 ug/l

RT: 6.89 min Scan# 555

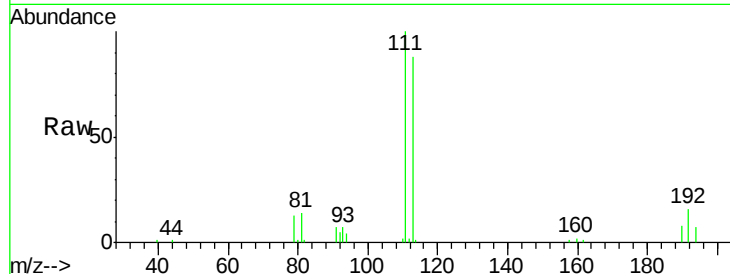
Delta R.T. -0.01 min

Lab File: VD061605.D

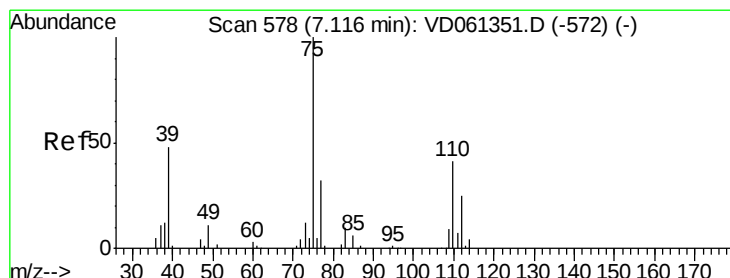
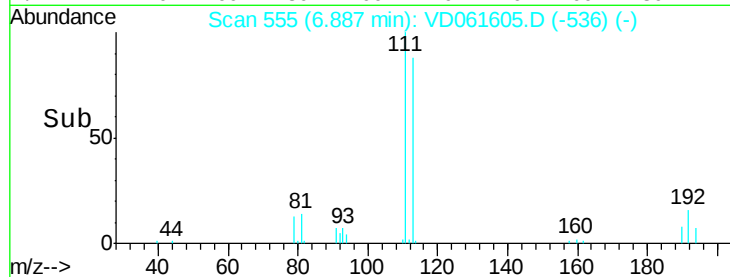
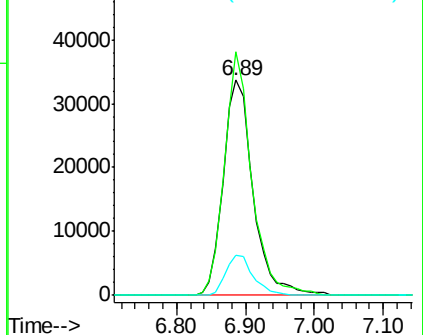
Acq: 5 Apr 2019 5:42

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion:	113	Resp:	101066
Ion	Ratio	Lower	Upper
113	100		
111	113.1	81.0	121.6
192	18.4	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: 3.944 ug/l

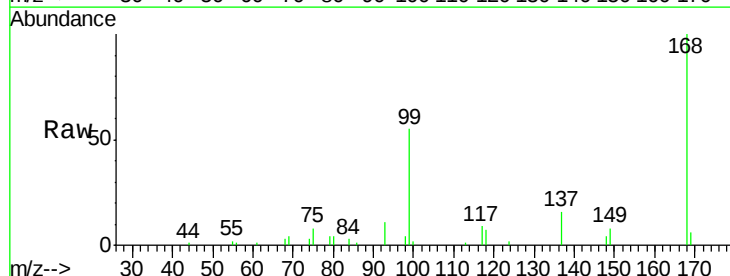
RT: 7.01 min Scan# 568

Delta R.T. -0.10 min

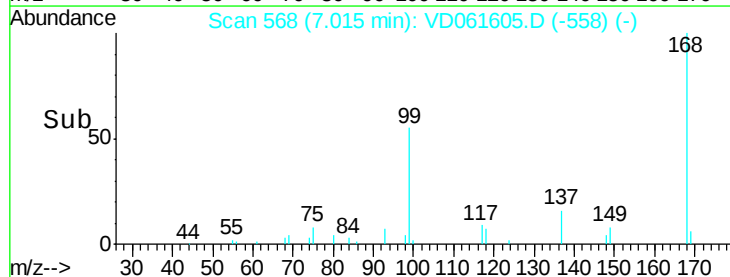
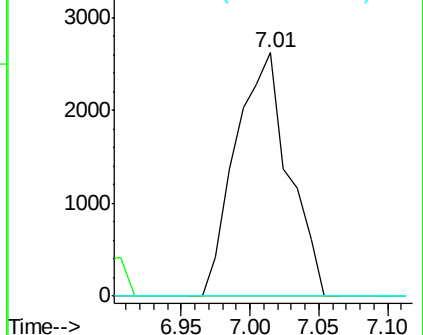
Lab File: VD061605.D

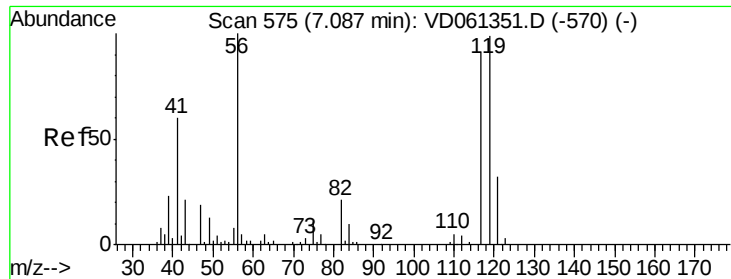
Acq: 5 Apr 2019 5:42

Tgt Ion:	75	Resp:	7004
Ion	Ratio	Lower	Upper
75	100		
110	0.0	20.4	61.3#
77	0.0	24.9	37.3#



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

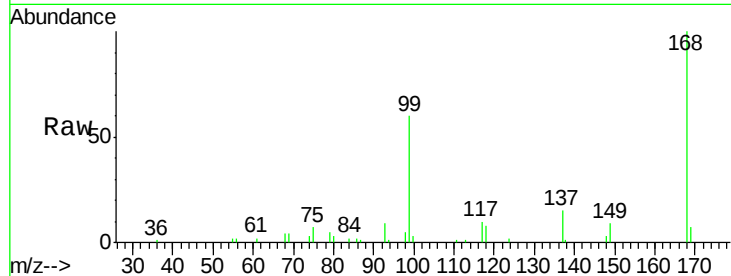




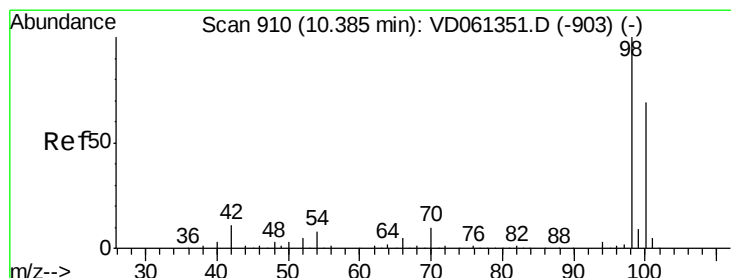
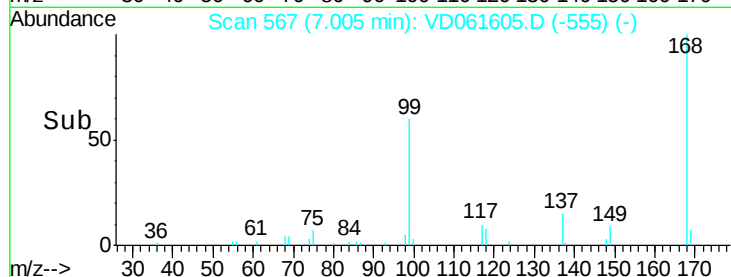
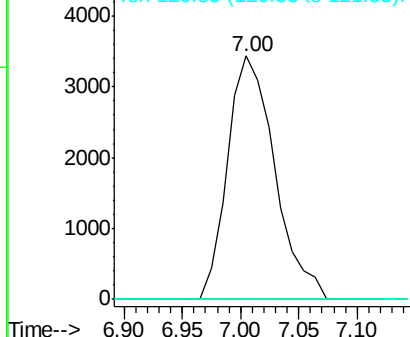
#38
Carbon Tetrachloride
Concen: 4.723 ug/l
RT: 7.00 min Scan# 567
Delta R.T. -0.08 min
Lab File: VD061605.D
Acq: 5 Apr 2019 5:42

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion:117 Resp: 9638
Ion Ratio Lower Upper
117 100
119 0.0 80.1 120.1#
121 0.0 25.6 38.4#

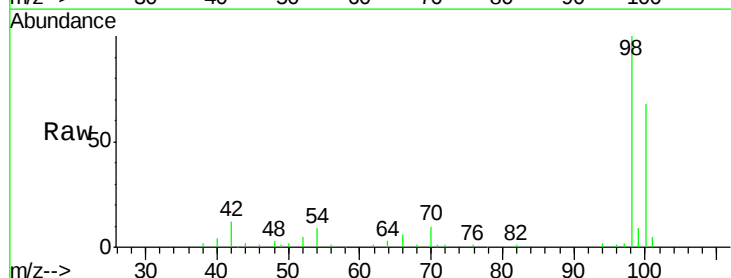


Abundance Ion 116.85 (116.55 to 117.55): V
Ion 118.85 (118.55 to 119.55): V
Ion 120.85 (120.55 to 121.55): V

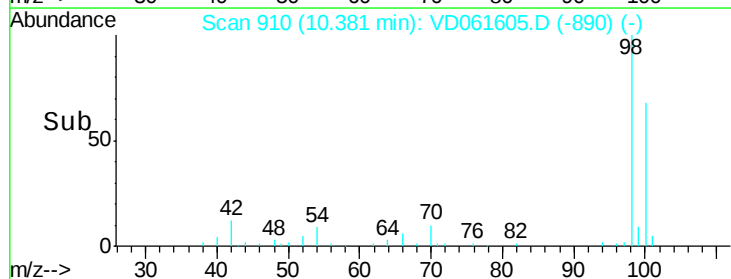
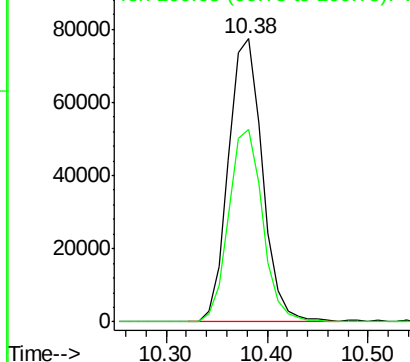


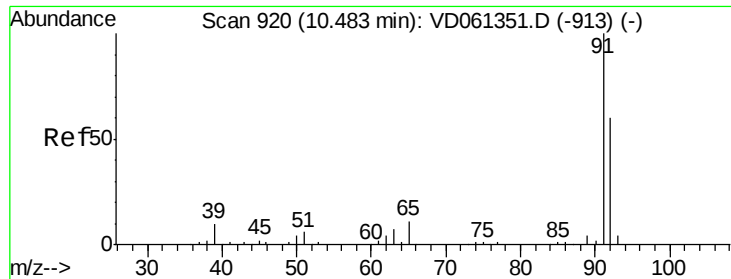
#50
Toluene-d8
Concen: N.D. ug/l
RT: 10.38 min Scan# 910
Delta R.T. -0.00 min
Lab File: VD061605.D
Acq: 5 Apr 2019 5:42

Tgt Ion: 98 Resp: 181316
Ion Ratio Lower Upper
98 100
100 68.2 56.2 84.2



Abundance Ion 98.05 (97.75 to 98.75): VDC
Ion 100.05 (99.75 to 100.75): VDC





#52

Toluene

Concen: 1.286 ug/l

RT: 10.48 min Scan# 920

Delta R.T. -0.00 min

Lab File: VD061605.D

Acq: 5 Apr 2019 5:42

Instrument :

MSVOA_D

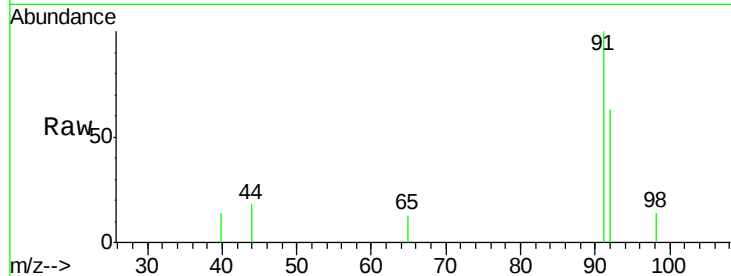
ClientSampleId :

Tot Ion: 92 Resp: 3497

Ion Ratio Lower Upper

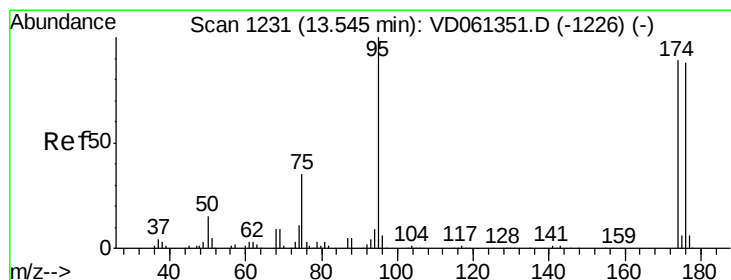
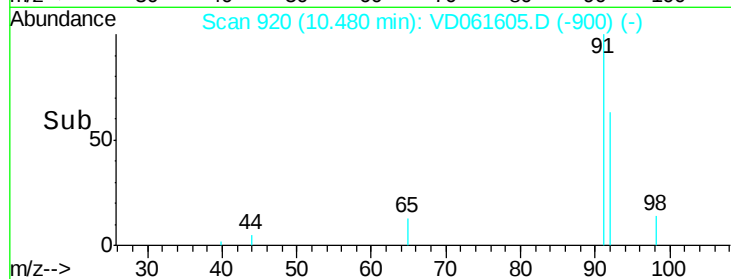
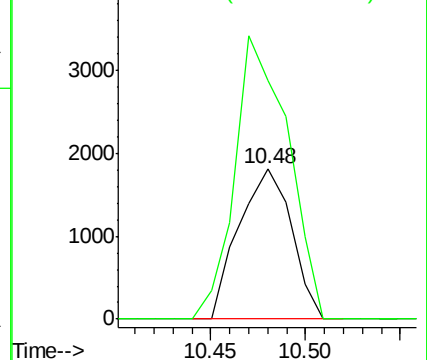
92 100

91 158.0 133.3 199.9



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: 13.53 min Scan# 1230

Delta R.T. -0.01 min

Lab File: VD061605.D

Acq: 5 Apr 2019 5:42

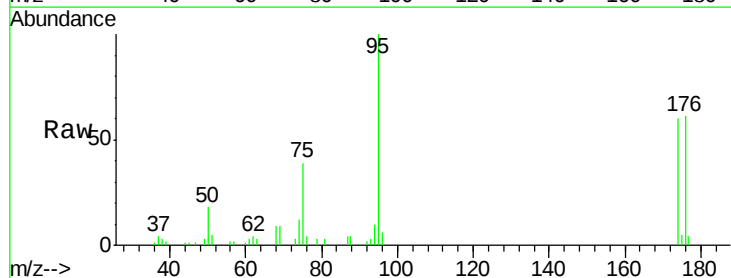
Tgt Ion: 95 Resp: 73054

Ion Ratio Lower Upper

95 100

174 59.8 0.0 178.0

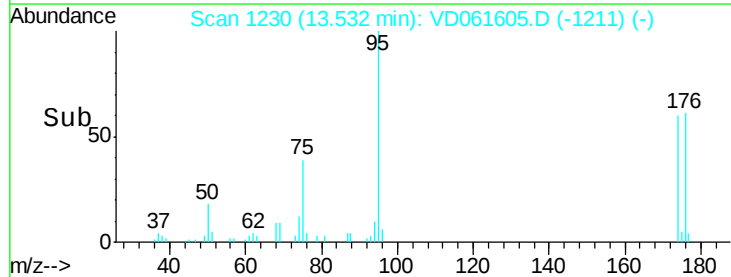
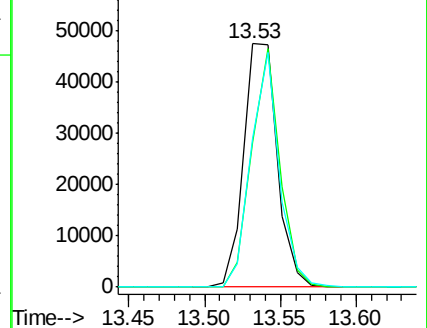
176 61.2 0.0 175.0

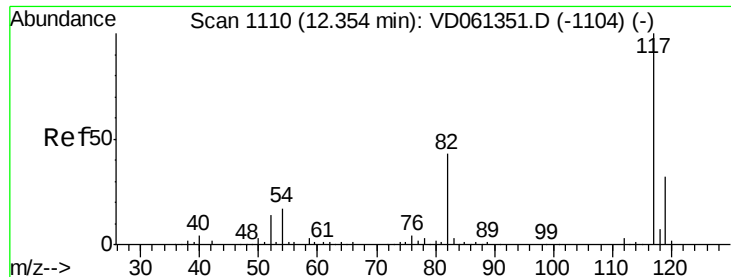


Abundance Ion 95.00 (94.70 to 95.70): VDC

Ion 173.90 (173.60 to 174.60): V

Ion 175.90 (175.60 to 176.60): V

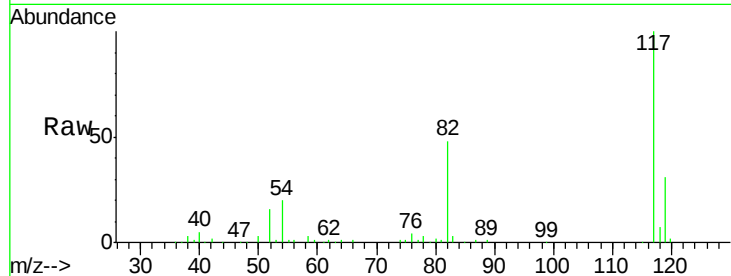




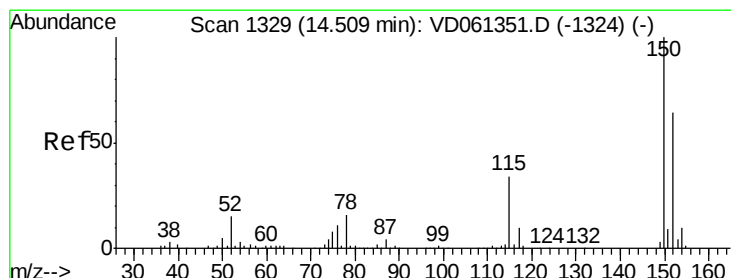
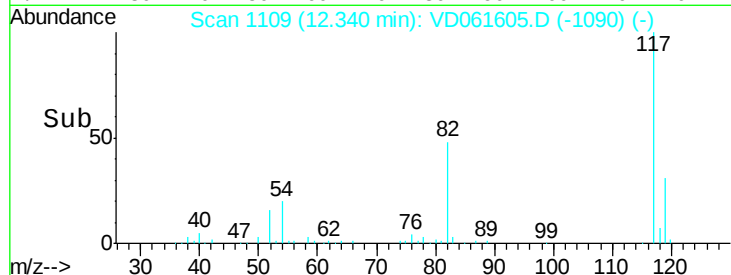
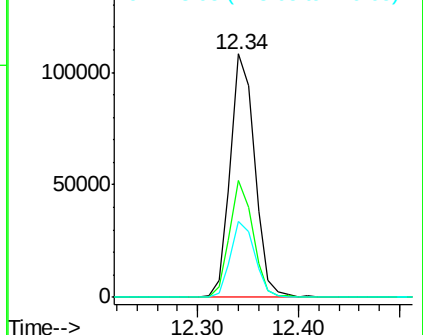
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 12.34 min Scan# 1109
Delta R.T. -0.01 min
Lab File: VD061605.D
Acq: 5 Apr 2019 5:42

Instrument :
MSVOA_D
ClientSampleID :

Tot Ion:117 Resp: 182082
Ion Ratio Lower Upper
117 100
82 48.1 34.4 51.6
119 31.3 25.8 38.6

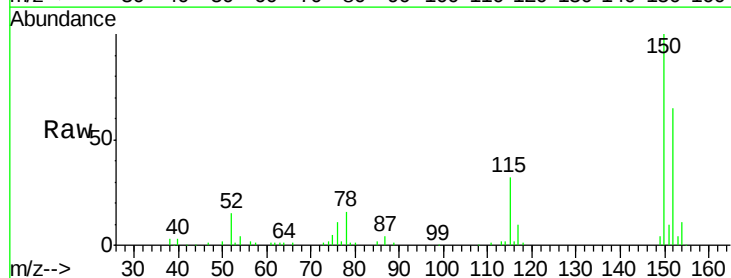


Abundance Ion 116.95 (116.65 to 117.65): V
Ion 82.05 (81.75 to 82.75): V
Ion 118.95 (118.65 to 119.65): V

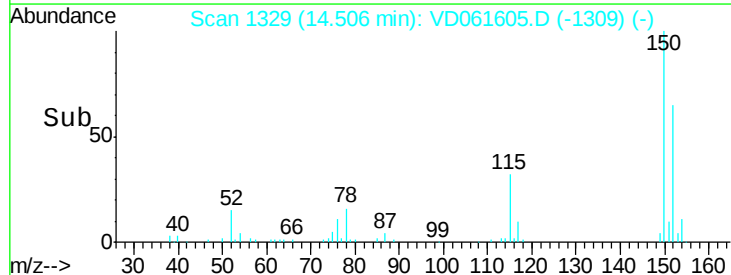
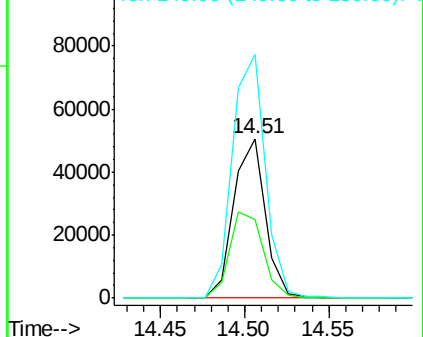


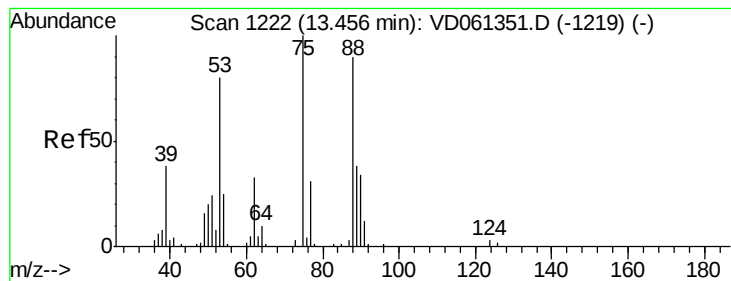
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 14.51 min Scan# 1329
Delta R.T. -0.00 min
Lab File: VD061605.D
Acq: 5 Apr 2019 5:42

Tgt Ion:152 Resp: 65756
Ion Ratio Lower Upper
152 100
115 49.2 26.9 80.6
150 152.7 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





#81

trans-1,4-Dichloro-2-butene

Concen: 95.507 ug/l

RT: 13.53 min Scan# 1230

Delta R.T. 0.08 min

Lab File: VD061605.D

Acq: 5 Apr 2019 5:42

Instrument :

MSVOA_D

ClientSampleId :

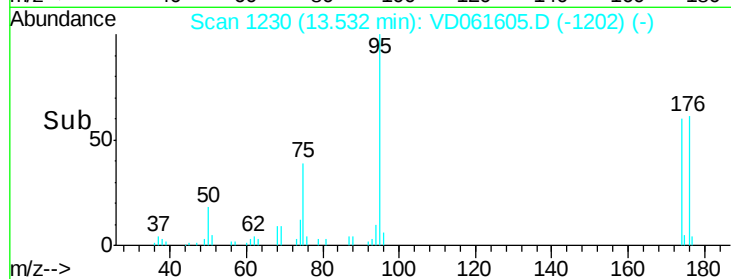
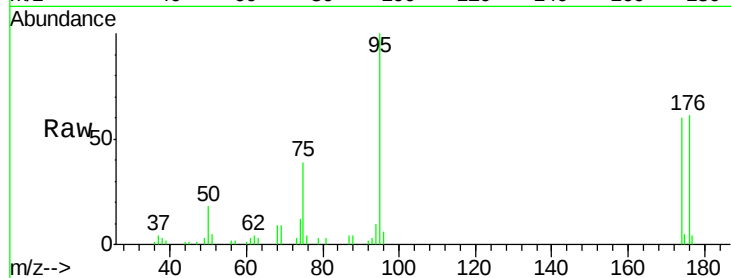
Tot Ion: 75 Resp: 27660

Ion Ratio Lower Upper

75 100

53 0.0 63.8 95.8#

89 0.0 30.5 45.7#



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

