

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD040419\
 Data File : VD061586.D
 Acq On : 4 Apr 2019 18:35
 Operator : VA/AP
 Sample : K2245-10
 Misc : 4.36g/5ml/MSVOA D/SOIL
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Apr 05 01:39:36 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

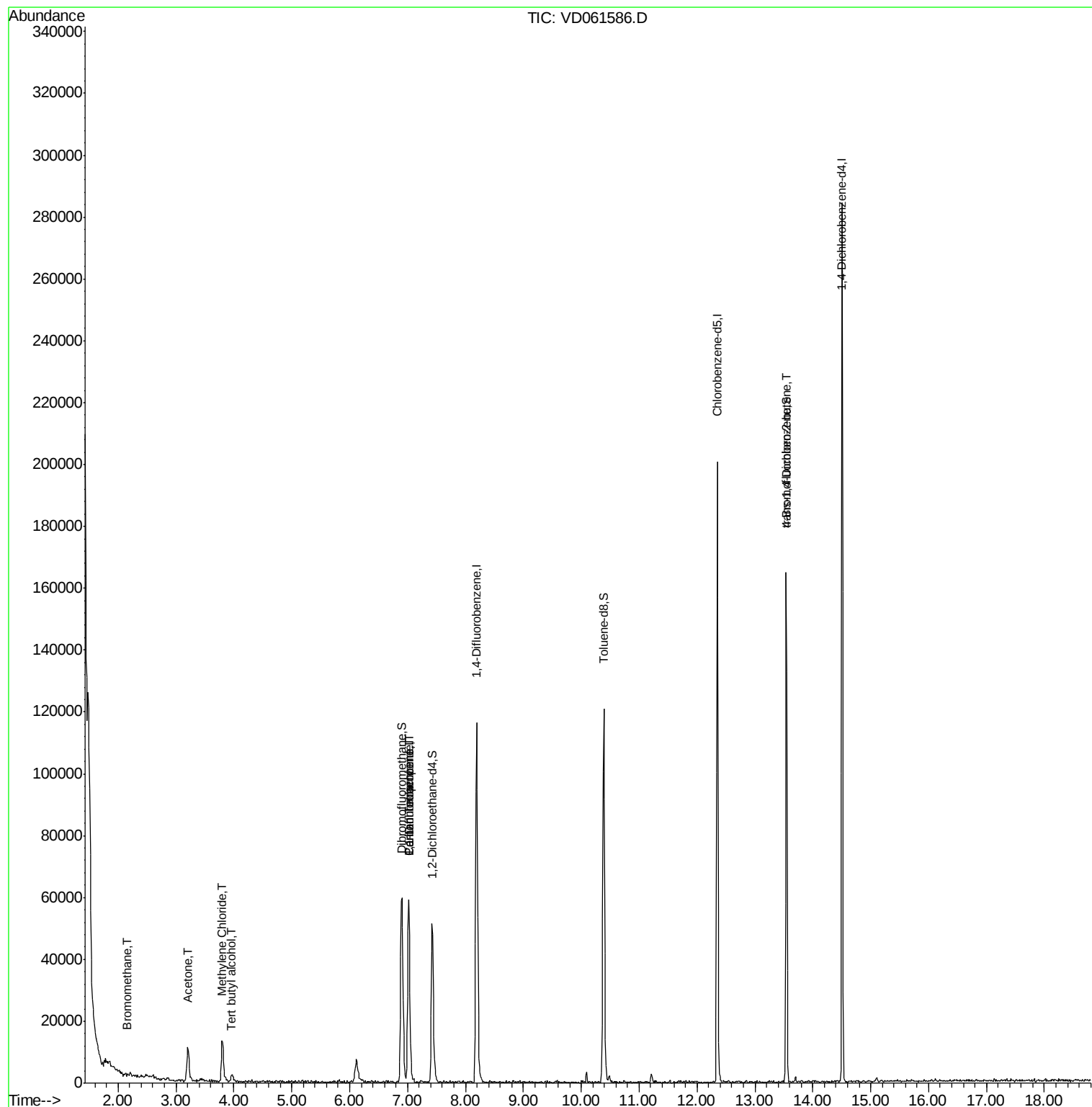
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.02	168	59505	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.19	114	140282	50.00	ug/l	0.00
63) Chlorobenzene-d5	12.35	117	124973	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	14.50	152	61959	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	7.43	65	53009	104.28	ug/l	0.00
Spiked Amount 50.000			Recovery	=	208.56%	
35) Dibromofluoromethane	6.90	113	60351	56.30	ug/l	0.00
Spiked Amount 50.000			Recovery	=	112.60%	
50) Toluene-d8	10.39	98	108170	42.07	ug/l	0.00
Spiked Amount 50.000			Recovery	=	84.14%	
62) 4-Bromofluorobenzene	13.54	95	54894	55.68	ug/l	0.00
Spiked Amount 50.000			Recovery	=	111.36%	
Target Compounds						
					Qvalue	
5) Bromomethane	2.16	94	389	4.122	ug/l #	10
11) Tert butyl alcohol	3.96	59	1746	55.155	ug/l #	76
16) Acetone	3.20	43	22156	169.556	ug/l	99
20) Methylene Chloride	3.80	84	10485	12.899	ug/l	91
36) 1,1-Dichloropropene	7.02	75	4672	3.816	ug/l #	38
38) Carbon Tetrachloride	7.02	117	6073	4.317	ug/l #	10
81) trans-1,4-Dichloro-2-buten	13.54	75	19835	72.685	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: 7.02 min Scan# 569

Delta R.T. 0.00 min

Lab File: VD061586.D

Acq: 4 Apr 2019 18:35

Instrument :

MSVOA_D

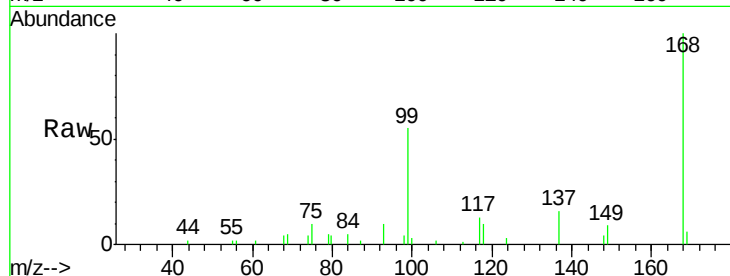
ClientSampleId :

Tot Ion:168 Resp: 59505

Ion Ratio Lower Upper

168 100

99 54.9 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

25000

20000

15000

10000

5000

0

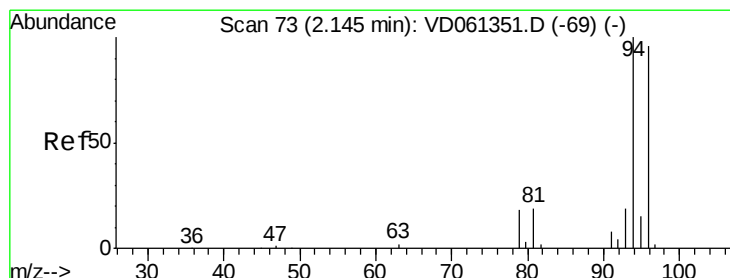
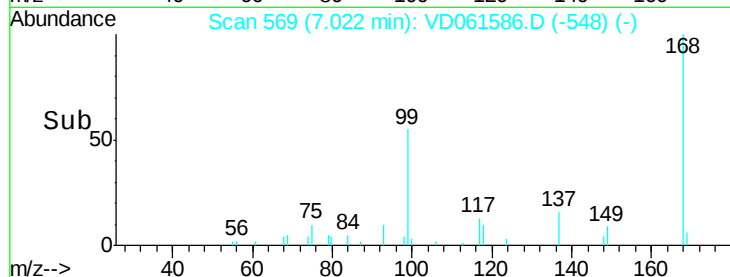
Time-->

6.90

7.00

7.10

7.20



#5

Bromomethane

Concen: 4.122 ug/l

RT: 2.16 min Scan# 75

Delta R.T. 0.01 min

Lab File: VD061586.D

Acq: 4 Apr 2019 18:35

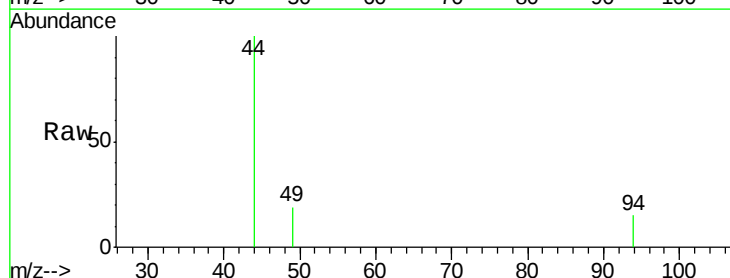
Tgt Ion: 94 Resp: 389

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

2.16

400

300

200

100

0

Time-->

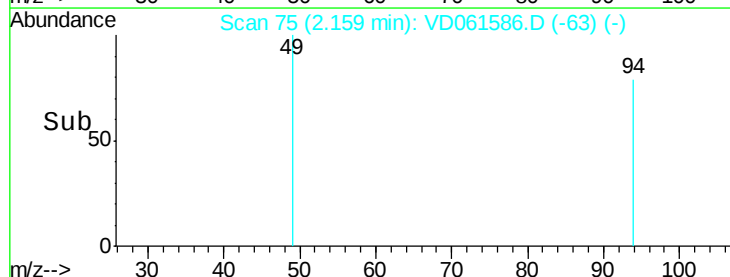
2.12

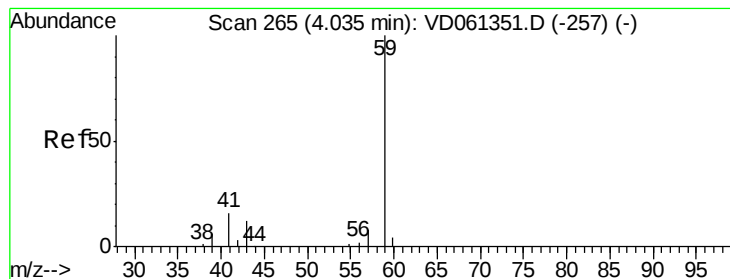
2.14

2.16

2.18

2.20



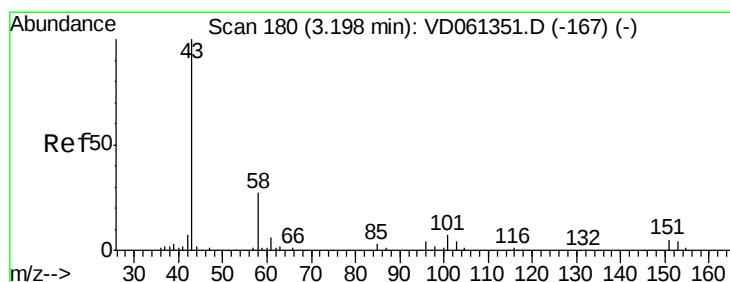
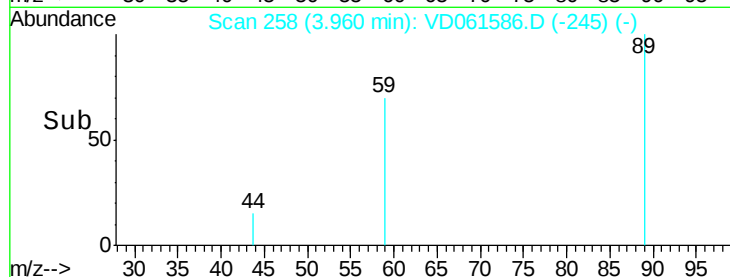
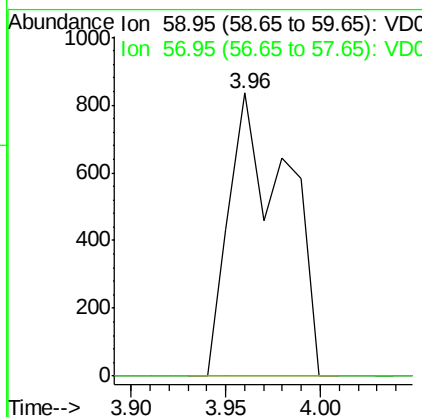
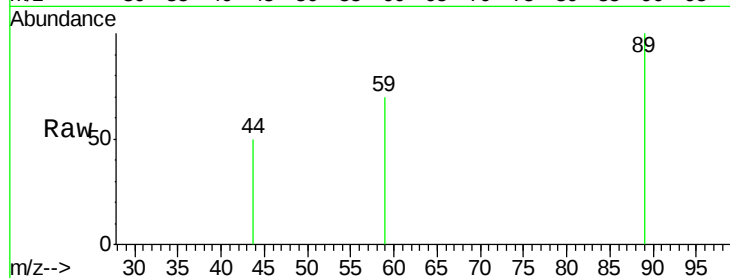


#11

Tert butyl alcohol
 Concen: 55.155 ug/l
 RT: 3.96 min Scan# 258
 Delta R.T. -0.08 min
 Lab File: VD061586.D
 Acq: 4 Apr 2019 18:35

Instrument :
 MSVOA_D
 ClientSampleId :

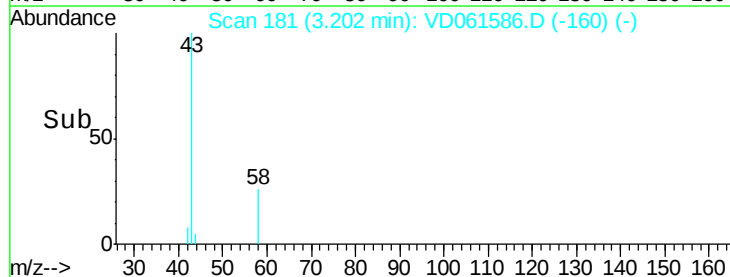
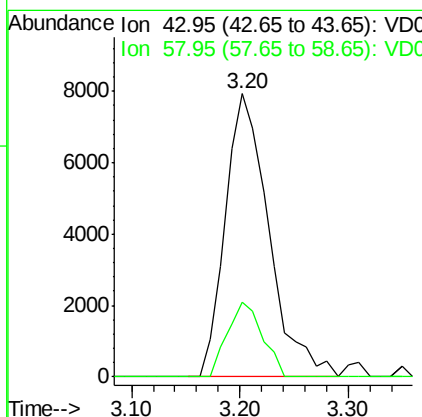
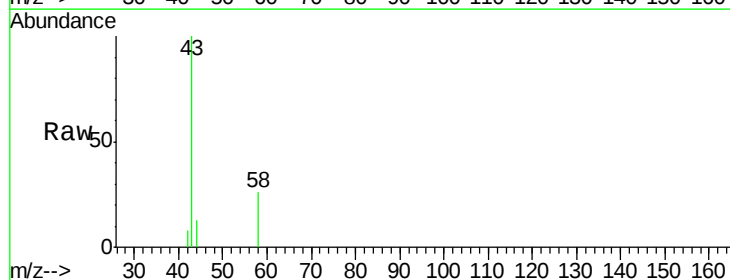
Tot Ion: 59 Resp: 1746
 Ion Ratio Lower Upper
 59 100
 57 0.0 6.7 10.1#

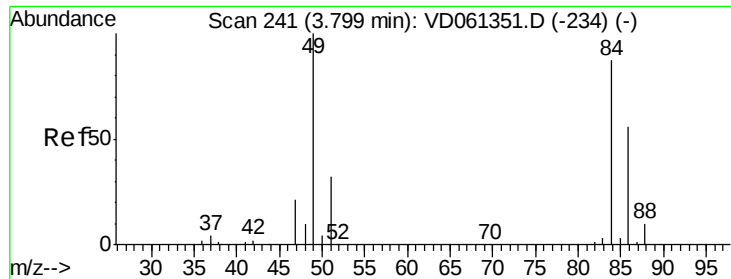


#16

Acetone
 Concen: 169.556 ug/l
 RT: 3.20 min Scan# 181
 Delta R.T. 0.00 min
 Lab File: VD061586.D
 Acq: 4 Apr 2019 18:35

Tgt Ion: 43 Resp: 22156
 Ion Ratio Lower Upper
 43 100
 58 26.3 21.5 32.3

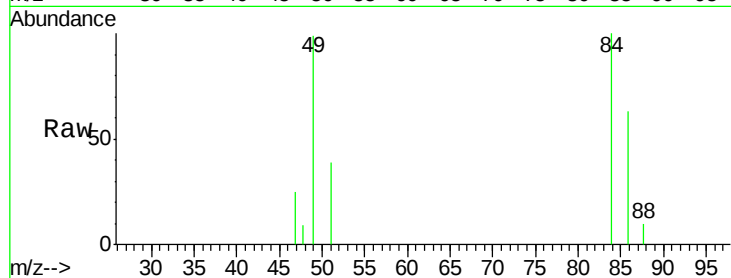




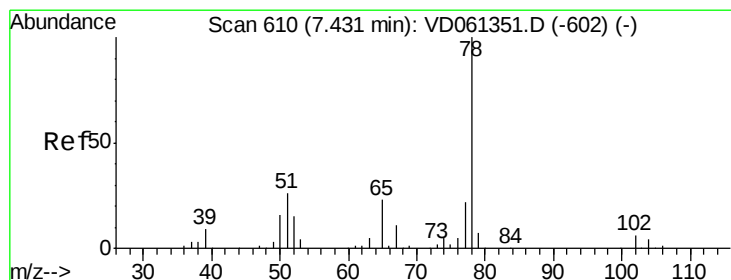
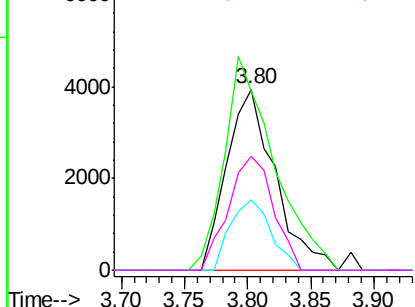
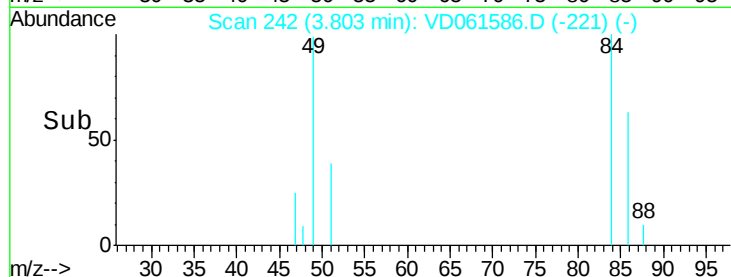
#20
Methylene Chloride
Concen: 12.899 ug/l
RT: 3.80 min Scan# 242
Delta R.T. 0.00 min
Lab File: VD061586.D
Acq: 4 Apr 2019 18:35

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 84 Resp: 10485
Ion Ratio Lower Upper
84 100
49 99.3 91.8 137.8
51 38.9 29.8 44.8
86 63.0 51.8 77.6

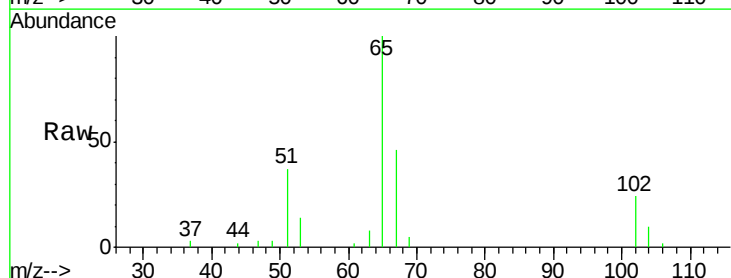


Abundance Ion 83.95 (83.65 to 84.65): VDC
Ion 48.90 (48.60 to 49.60): VDC
Ion 50.90 (50.60 to 51.60): VDC
Ion 85.90 (85.60 to 86.60): VDC

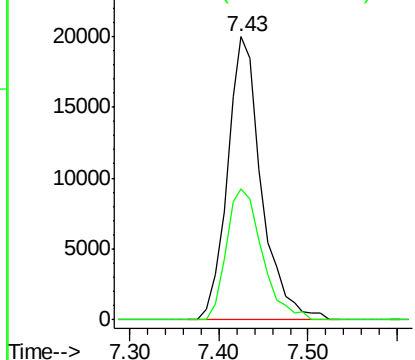
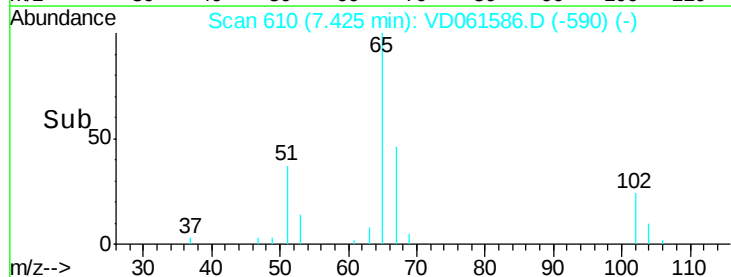


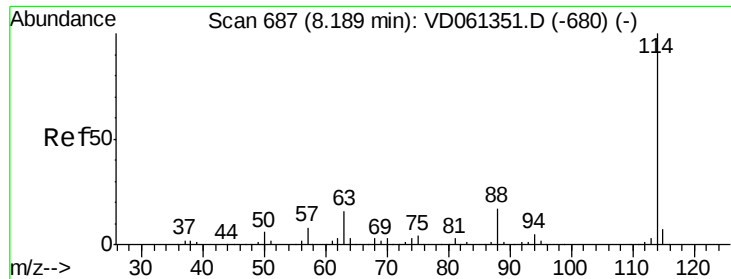
#33
1,2-Dichloroethane-d4
Concen: N.D. ug/l
RT: 7.43 min Scan# 610
Delta R.T. -0.01 min
Lab File: VD061586.D
Acq: 4 Apr 2019 18:35

Tgt Ion: 65 Resp: 53009
Ion Ratio Lower Upper
65 100
67 46.3 0.0 99.8



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

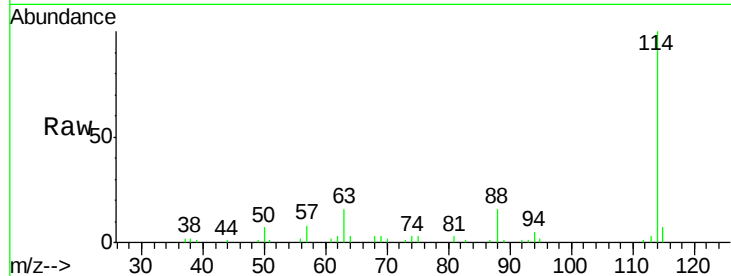




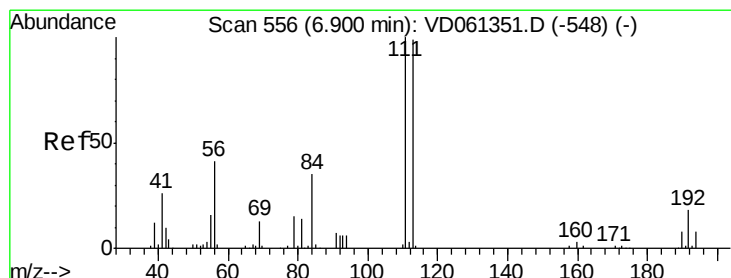
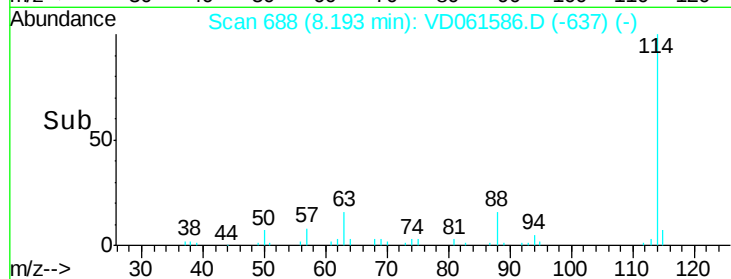
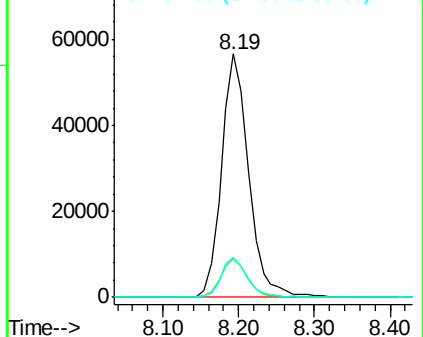
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.19 min Scan# 688
 Delta R.T. 0.00 min
 Lab File: VD061586.D
 Acq: 4 Apr 2019 18:35

Instrument :
 MSVOA_D
 ClientSampleId :

Tot Ion:114 Resp: 140282
 Ion Ratio Lower Upper
 114 100
 63 16.0 0.0 31.6
 88 16.3 0.0 33.4

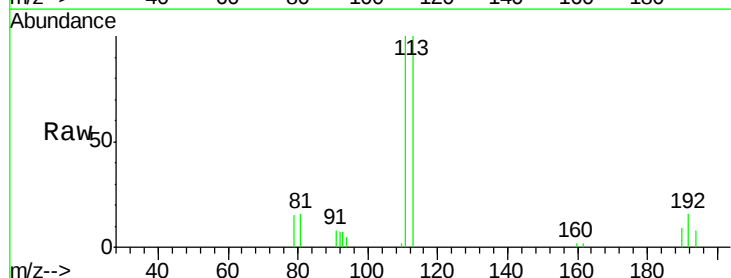


Abundance Ion 114.00 (113.70 to 114.70): V
 Ion 62.95 (62.65 to 63.65): V
 Ion 87.90 (87.60 to 88.60): V

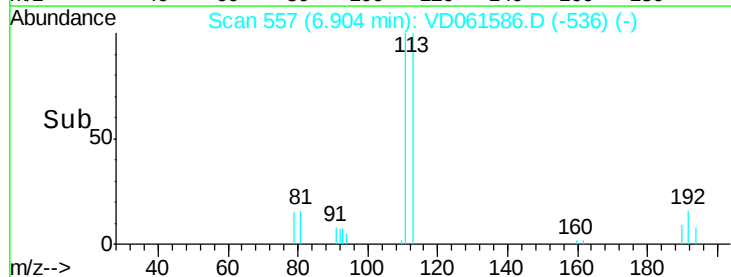
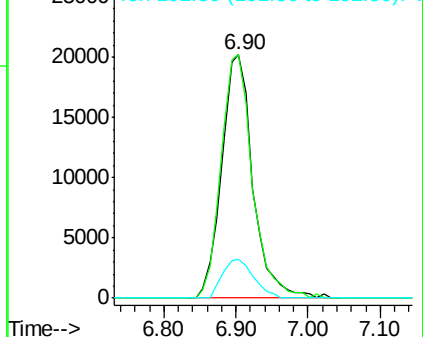


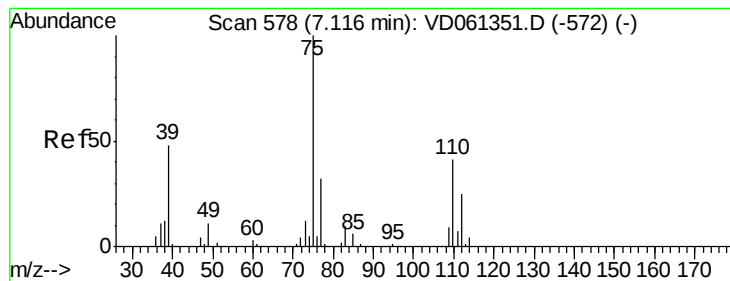
#35
 Dibromofluoromethane
 Concen: 50.000 ug/l
 RT: 6.90 min Scan# 557
 Delta R.T. 0.00 min
 Lab File: VD061586.D
 Acq: 4 Apr 2019 18:35

Tgt Ion:113 Resp: 60351
 Ion Ratio Lower Upper
 113 100
 111 99.8 81.0 121.6
 192 16.0 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: 3.816 ug/l

RT: 7.02 min Scan# 569

Delta R.T. -0.09 min

Lab File: VD061586.D

Acq: 4 Apr 2019 18:35

Instrument :

MSVOA_D

ClientSampled :

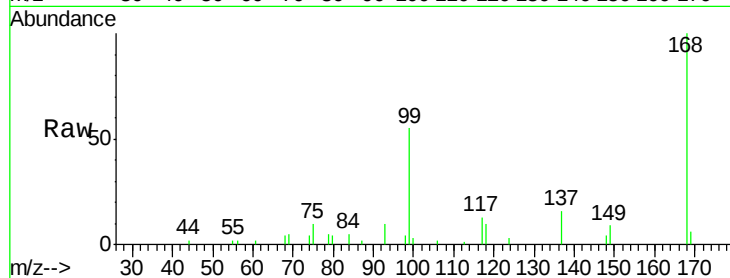
Tot Ion: 75 Resp: 4672

Ion Ratio Lower Upper

75 100

110 0.0 20.4 61.3#

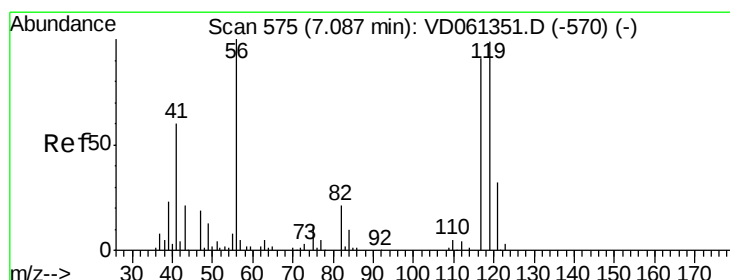
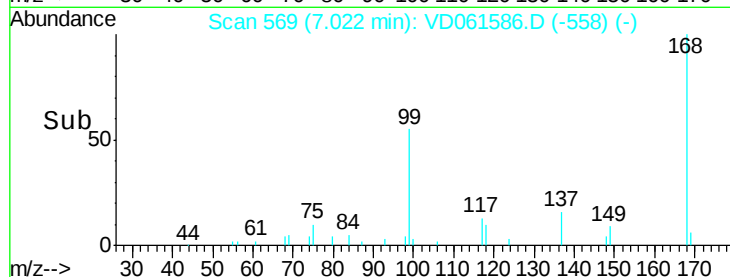
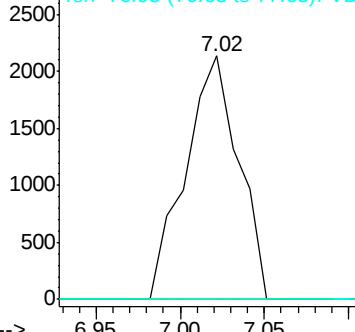
77 0.0 24.9 37.3#



Abundance Ion 75.00 (74.70 to 75.70): V

Ion 109.90 (109.60 to 110.60): V

Ion 76.95 (76.65 to 77.65): V



#38

Carbon Tetrachloride

Concen: 4.317 ug/l

RT: 7.02 min Scan# 569

Delta R.T. -0.07 min

Lab File: VD061586.D

Acq: 4 Apr 2019 18:35

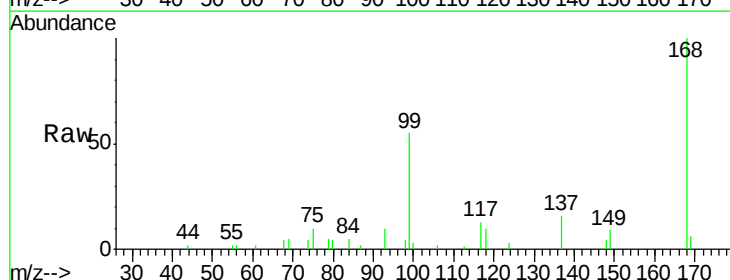
Tgt Ion: 117 Resp: 6073

Ion Ratio Lower Upper

117 100

119 0.0 80.1 120.1#

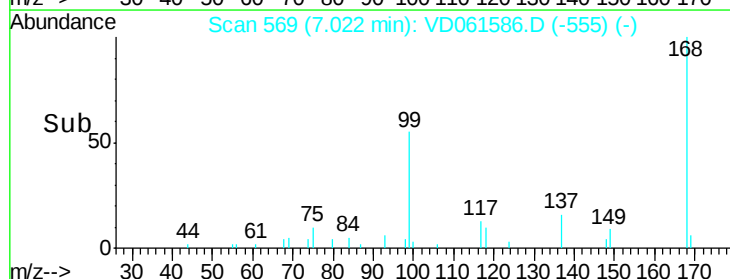
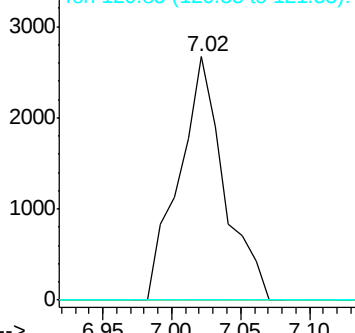
121 0.0 25.6 38.4#

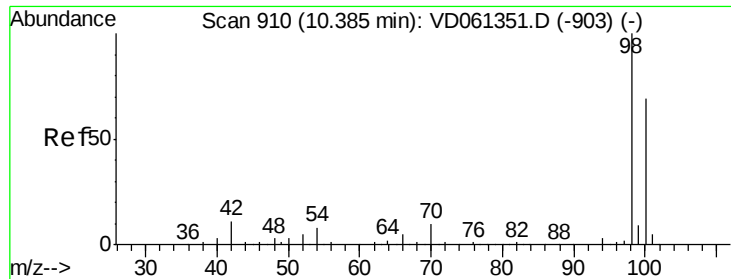


Abundance Ion 116.85 (116.55 to 117.55): V

Ion 118.85 (118.55 to 119.55): V

Ion 120.85 (120.55 to 121.55): V

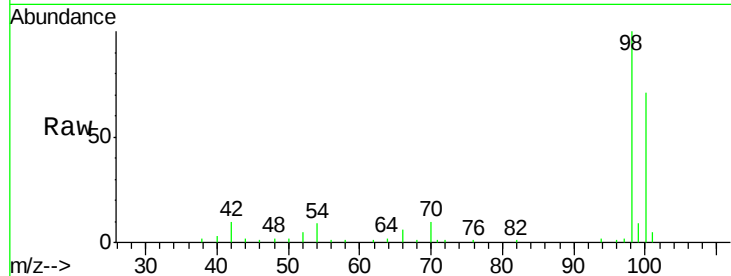




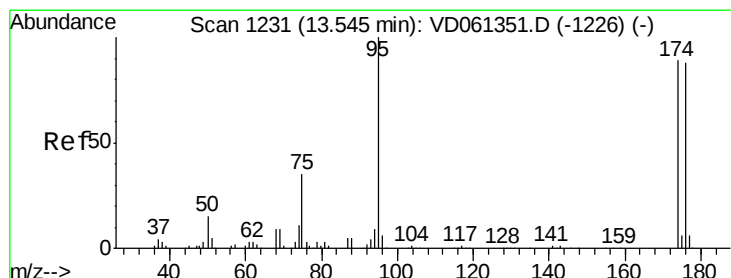
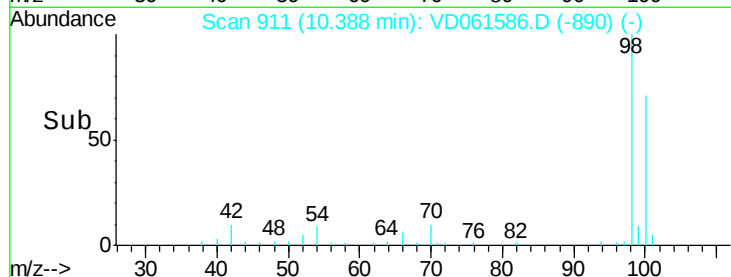
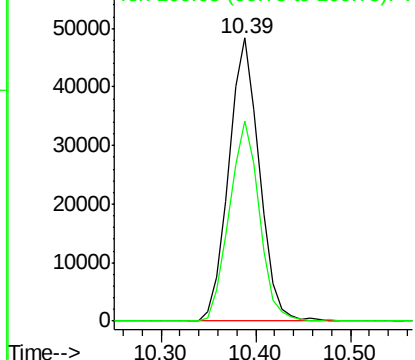
#50
Toluene-d8
Concen: N.D. ug/l
RT: 10.39 min Scan# 911
Delta R.T. 0.00 min
Lab File: VD061586.D
Acq: 4 Apr 2019 18:35

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 98 Resp: 108170
Ion Ratio Lower Upper
98 100
100 70.8 56.2 84.2

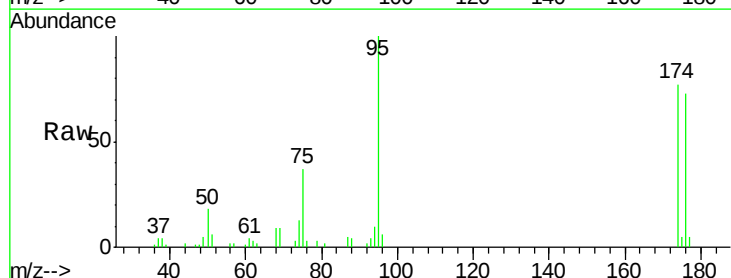


Abundance Ion 98.05 (97.75 to 98.75): VDC
Ion 100.05 (99.75 to 100.75): VDC

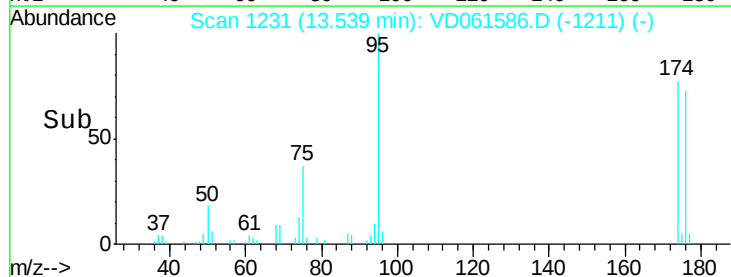
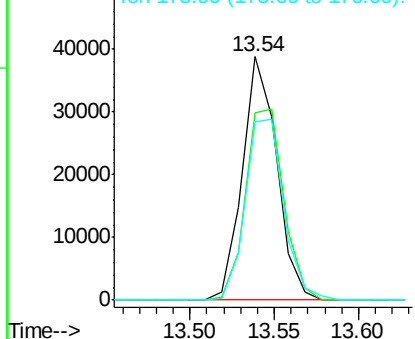


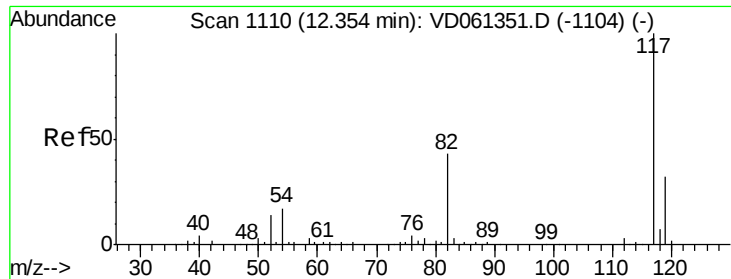
#62
4-Bromofluorobenzene
Concen: N.D. ug/l
RT: 13.54 min Scan# 1231
Delta R.T. -0.01 min
Lab File: VD061586.D
Acq: 4 Apr 2019 18:35

Tgt Ion: 95 Resp: 54894
Ion Ratio Lower Upper
95 100
174 77.0 0.0 178.0
176 73.4 0.0 175.0



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

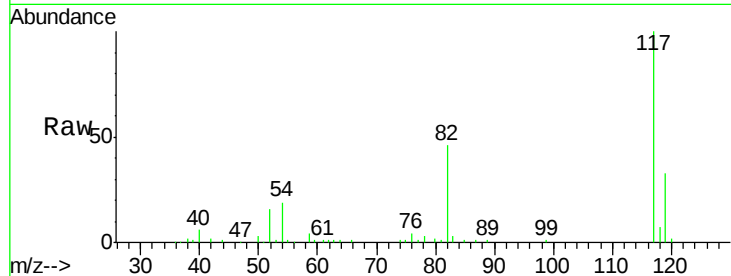




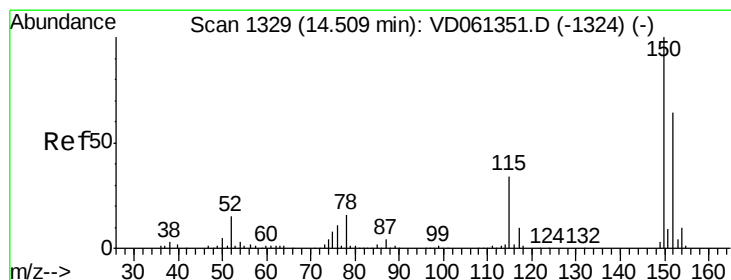
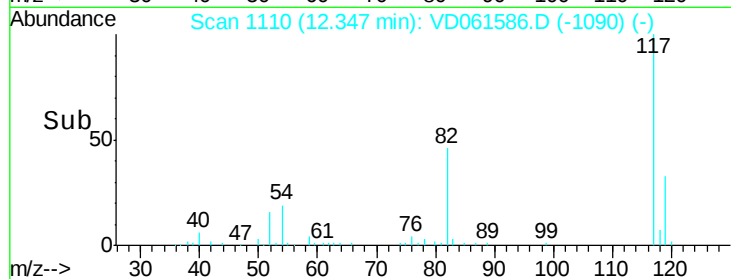
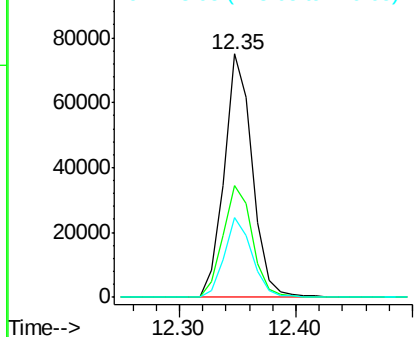
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 12.35 min Scan# 1110
Delta R.T. -0.01 min
Lab File: VD061586.D
Acq: 4 Apr 2019 18:35

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion:117 Resp: 124973
Ion Ratio Lower Upper
117 100
82 46.0 34.4 51.6
119 32.6 25.8 38.6

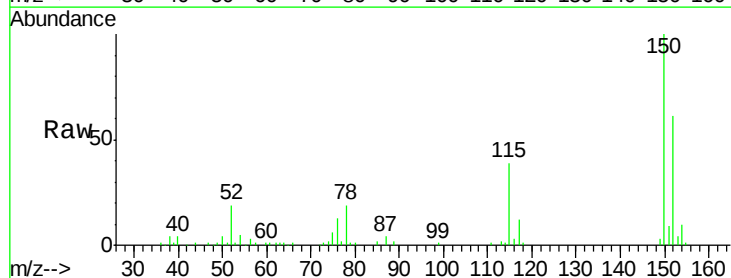


Abundance Ion 116.95 (116.65 to 117.65): V
Ion 82.05 (81.75 to 82.75): V
Ion 118.95 (118.65 to 119.65): V

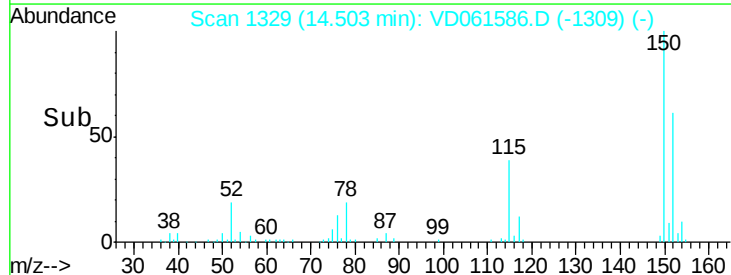
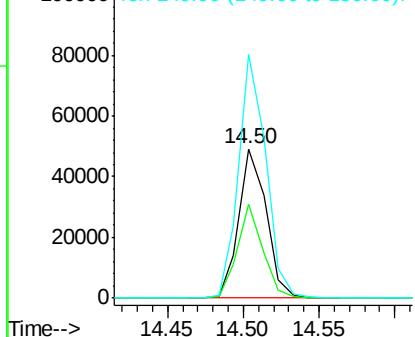


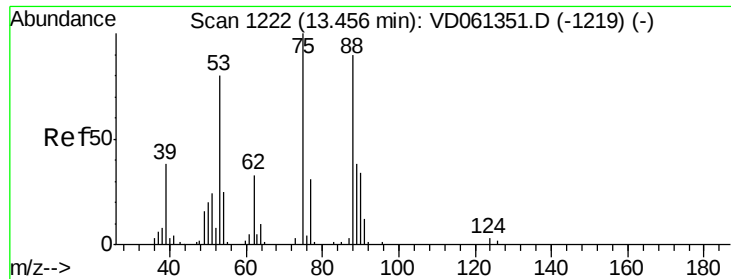
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 14.50 min Scan# 1329
Delta R.T. -0.01 min
Lab File: VD061586.D
Acq: 4 Apr 2019 18:35

Tgt Ion:152 Resp: 61959
Ion Ratio Lower Upper
152 100
115 63.0 26.9 80.6
150 163.0 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: 72.685 ug/l

RT: 13.54 min Scan# 1231

Delta R.T. 0.08 min

Lab File: VD061586.D

Acq: 4 Apr 2019 18:35

Instrument :

MSVOA_D

ClientSampleId :

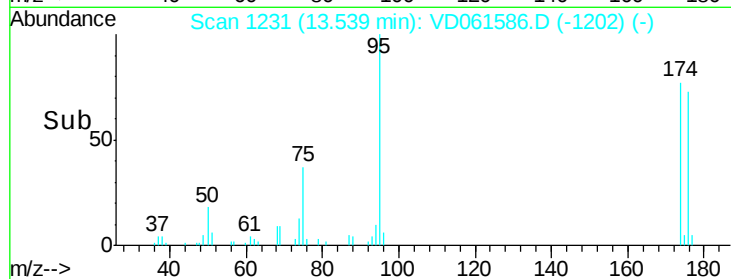
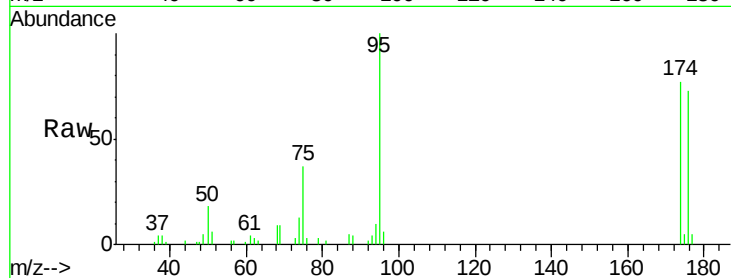
Tot Ion: 75 Resp: 19835

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

