

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD040119\
 Data File : VD061496.D
 Acq On : 2 Apr 2019 5:49
 Operator : VA/AP
 Sample : K2180-02
 Misc : 6.05µl/5ml/MSVOA D/SOIL
 ALS Vial : 38 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Apr 02 06:59:28 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

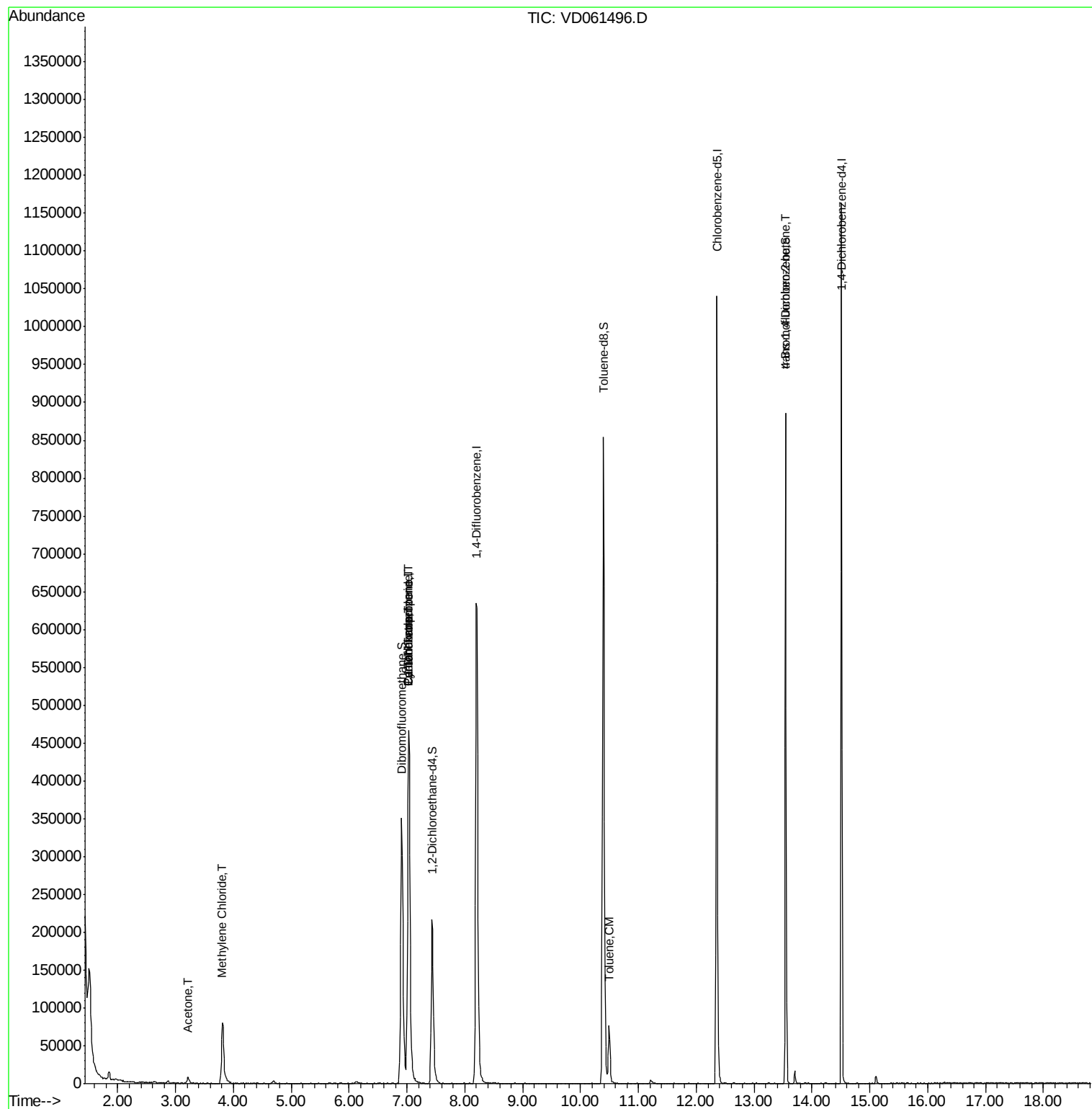
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.03	168	485949	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.21	114	834326	50.00	ug/l	0.02
63) Chlorobenzene-d5	12.35	117	640312	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	14.51	152	255515	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	7.43	65	213191	51.36	ug/l	0.00
Spiked Amount 50.000			Recovery	=	102.72%	
35) Dibromofluoromethane	6.91	113	340585	53.42	ug/l	0.00
Spiked Amount 50.000			Recovery	=	106.84%	
50) Toluene-d8	10.39	98	751351	49.13	ug/l	0.00
Spiked Amount 50.000			Recovery	=	98.26%	
62) 4-Bromofluorobenzene	13.54	95	264194	45.05	ug/l	0.00
Spiked Amount 50.000			Recovery	=	90.10%	
Target Compounds						
					Qvalue	
16) Acetone	3.22	43	18057	16.921	ug/l #	86
20) Methylene Chloride	3.81	84	62375	8.854	ug/l	95
31) Cyclohexane	7.03	56	8974	1.255	ug/l #	1
36) 1,1-Dichloropropene	7.03	75	34894	4.792	ug/l #	45
38) Carbon Tetrachloride	7.03	117	47939	5.729	ug/l #	15
52) Toluene	10.49	92	42134	3.779	ug/l	98
81) trans-1,4-Dichloro-2-buten	13.54	75	98712	87.714	ug/l #	18

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

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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: 7.03 min Scan# 569

Delta R.T. 0.01 min

Lab File: VD061496.D

Acq: 2 Apr 2019 5:49

Instrument :

MSVOA_D

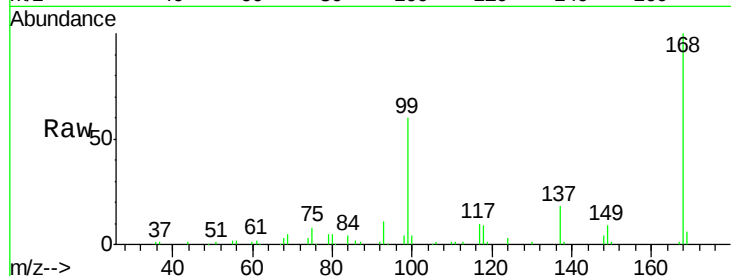
ClientSampleId :

Tot Ion:168 Resp: 485949

Ion Ratio Lower Upper

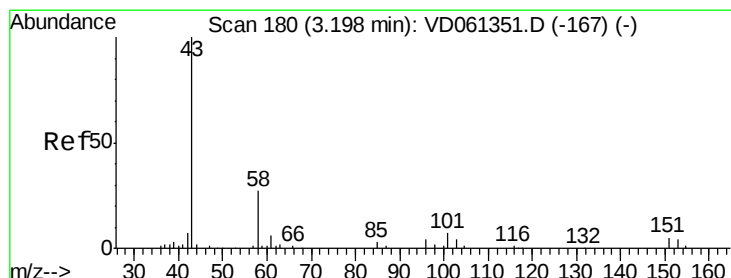
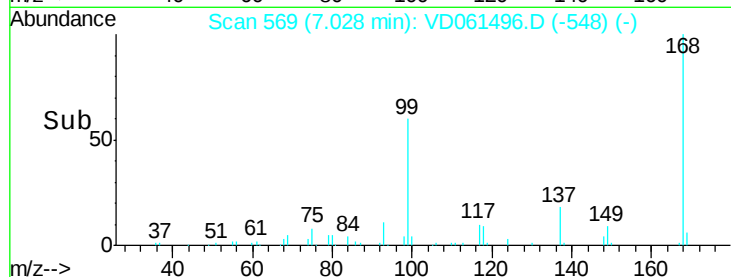
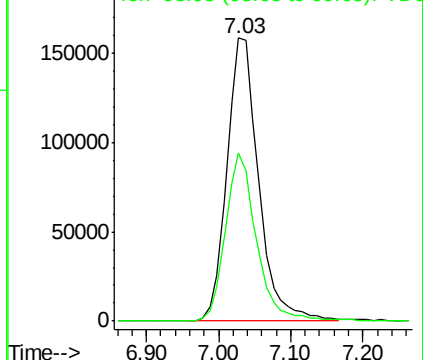
168 100

99 59.6 43.1 64.7



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC



#16

Acetone

Concen: 16.921 ug/l

RT: 3.22 min Scan# 182

Delta R.T. 0.02 min

Lab File: VD061496.D

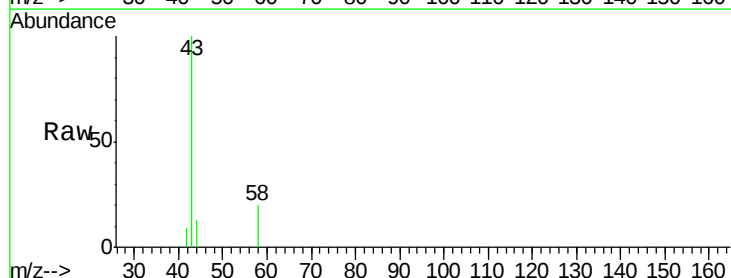
Acq: 2 Apr 2019 5:49

Tgt Ion: 43 Resp: 18057

Ion Ratio Lower Upper

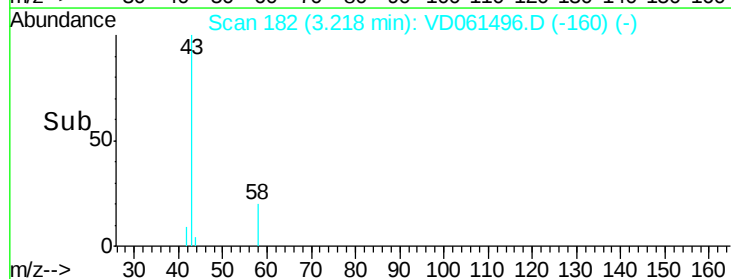
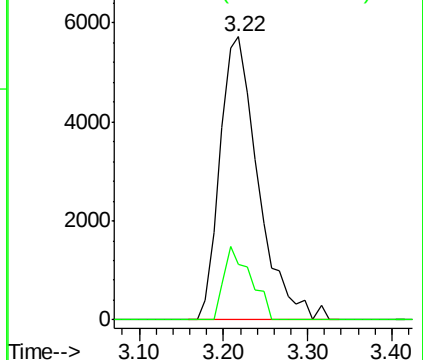
43 100

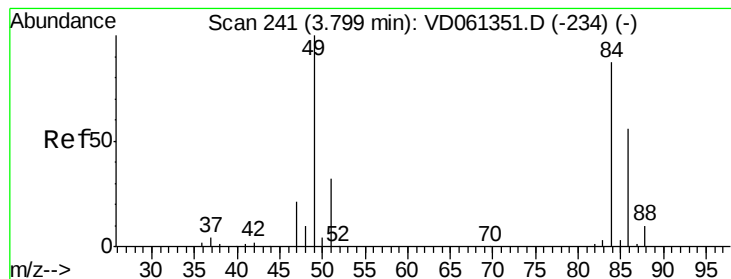
58 19.8 21.5 32.3#



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC





#20

Methylene Chloride

Concen: 8.854 ug/l

RT: 3.81 min Scan# 242

Delta R.T. 0.01 min

Lab File: VD061496.D

Acq: 2 Apr 2019 5:49

Instrument :

MSVOA_D

ClientSampleId :

Tot Ion: 84 Resp: 62375

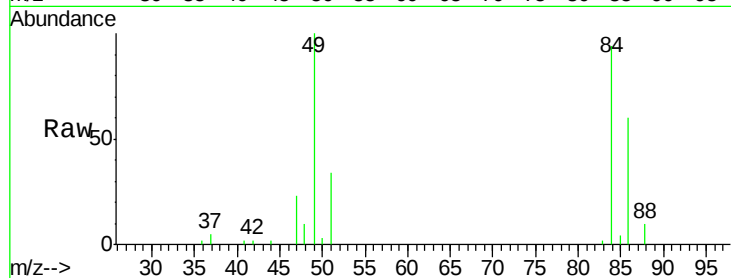
Ion Ratio Lower Upper

84 100

49 106.5 91.8 137.8

51 36.1 29.8 44.8

86 64.1 51.8 77.6

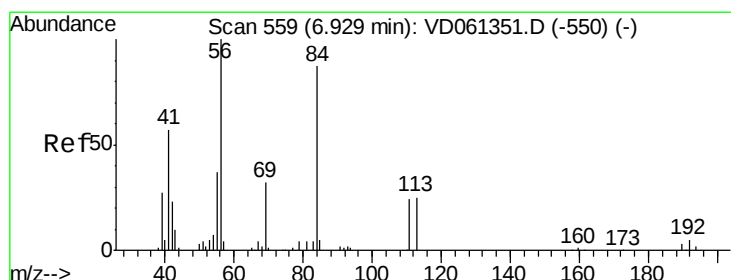
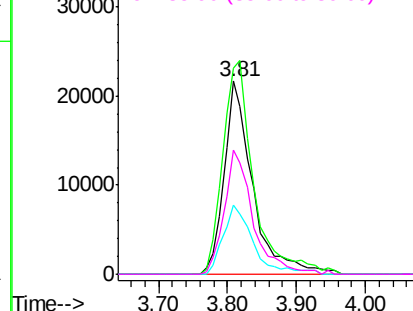
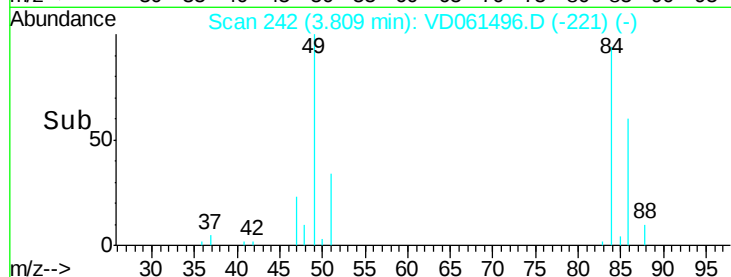


Abundance Ion 83.95 (83.65 to 84.65): VDC

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: 1.255 ug/l

RT: 7.03 min Scan# 569

Delta R.T. 0.10 min

Lab File: VD061496.D

Acq: 2 Apr 2019 5:49

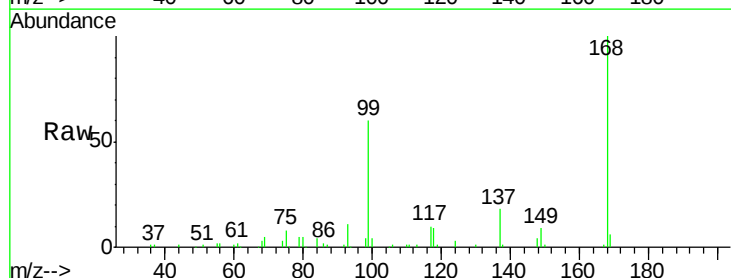
Tgt Ion: 56 Resp: 8974

Ion Ratio Lower Upper

56 100

69 232.5 25.7 38.5#

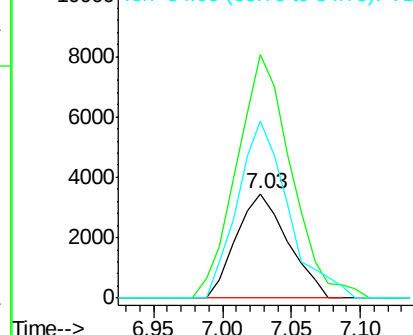
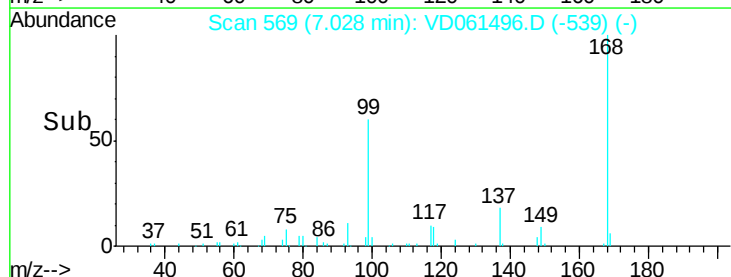
84 169.6 70.6 105.8#

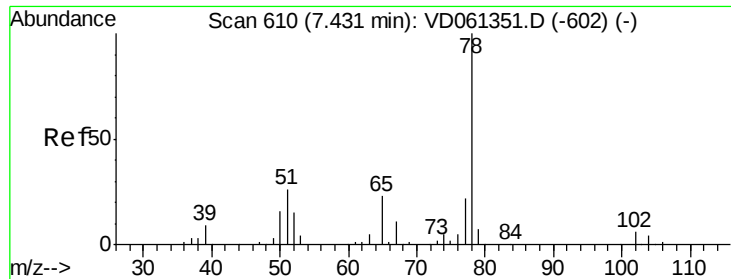


Abundance Ion 55.95 (55.65 to 56.65): VDC

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: 7.43 min Scan# 610

Delta R.T. -0.00 min

Lab File: VD061496.D

Acq: 2 Apr 2019 5:49

Instrument :

MSVOA_D

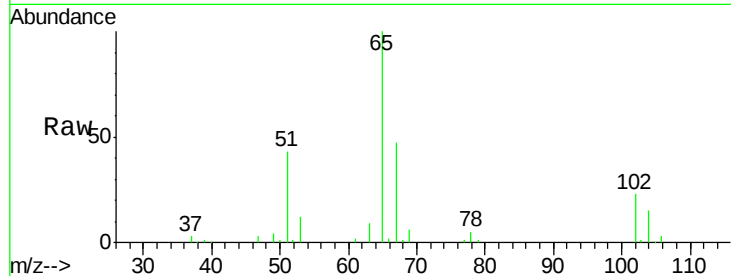
ClientSampled :

Tot Ion: 65 Resp: 213191

Ion Ratio Lower Upper

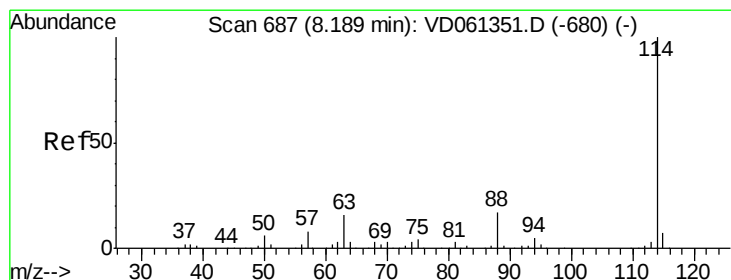
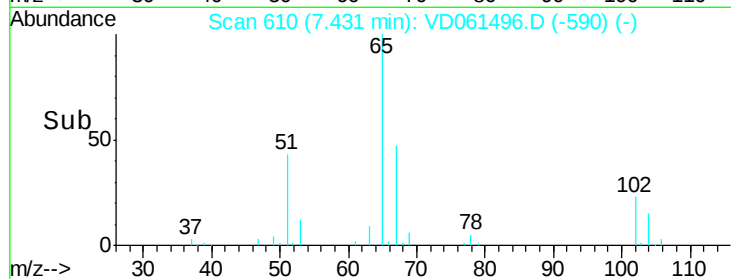
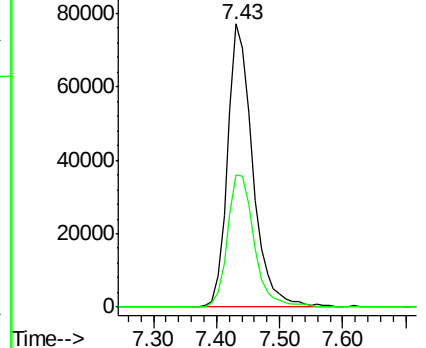
65 100

67 46.8 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: 8.21 min Scan# 689

Delta R.T. 0.02 min

Lab File: VD061496.D

Acq: 2 Apr 2019 5:49

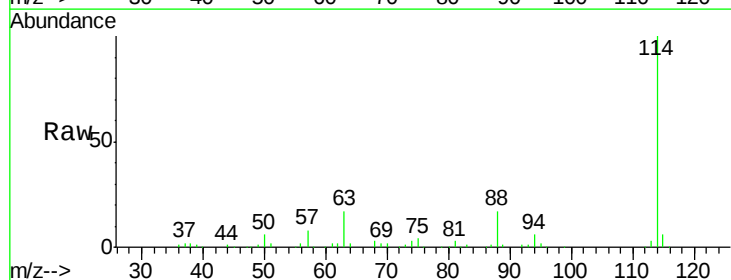
Tgt Ion:114 Resp: 834326

Ion Ratio Lower Upper

114 100

63 16.5 0.0 31.6

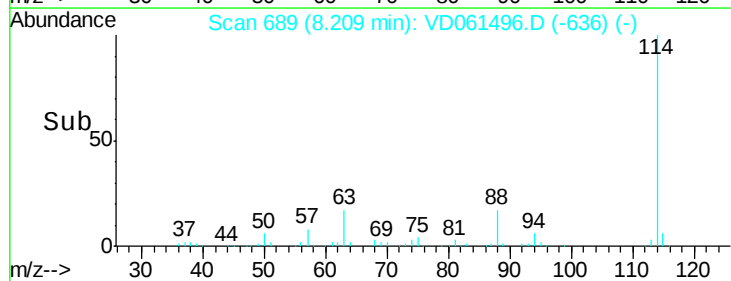
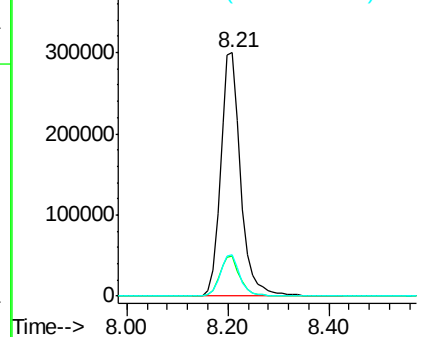
88 17.3 0.0 33.4



Abundance Ion 114.00 (113.70 to 114.70): V

Ion 62.95 (62.65 to 63.65): VDC

Ion 87.90 (87.60 to 88.60): VDC





#35

Dibromofluoromethane

Concen: 50.000 ug/l

RT: 6.91 min Scan# 557

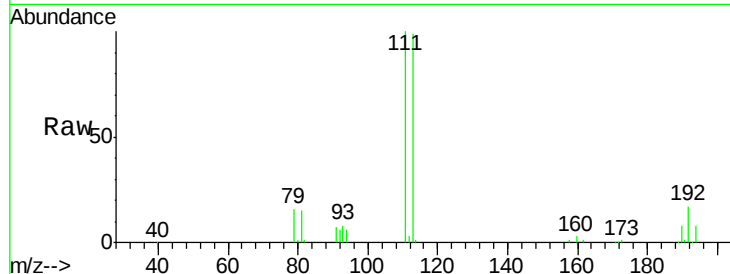
Delta R.T. 0.01 min

Lab File: VD061496.D

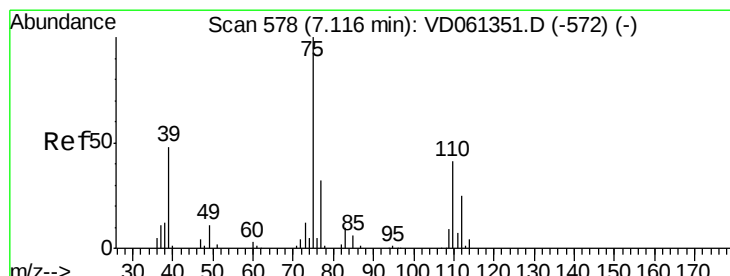
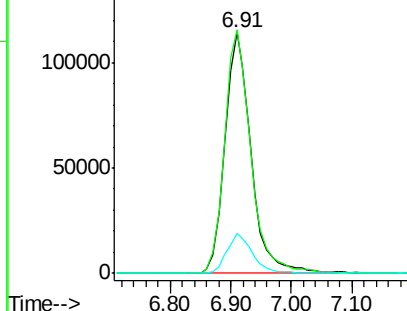
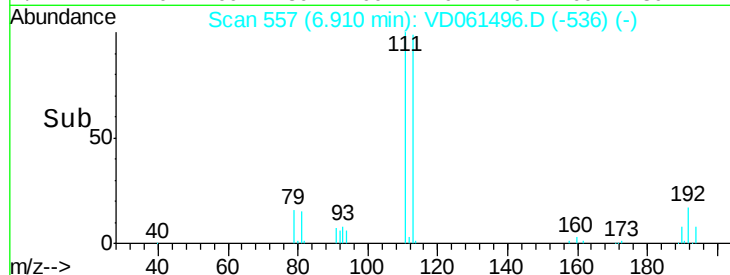
Acq: 2 Apr 2019 5:49

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
113	100		
111	101.1	81.0	121.6
192	16.7	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: 4.792 ug/l

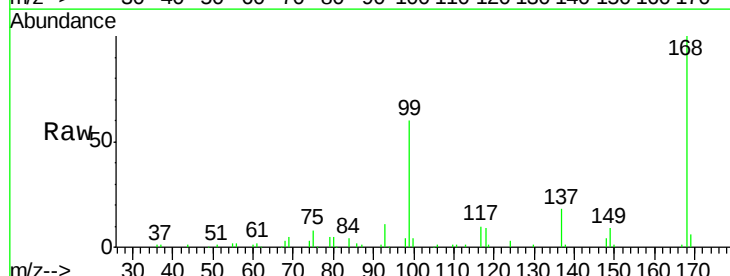
RT: 7.03 min Scan# 569

Delta R.T. -0.09 min

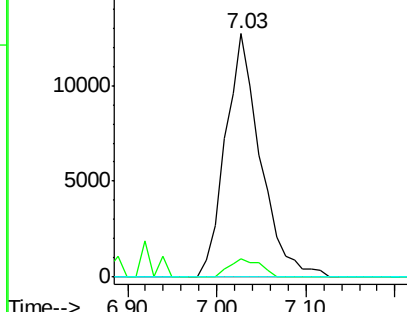
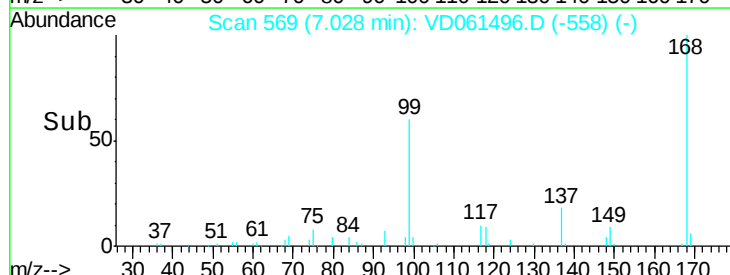
Lab File: VD061496.D

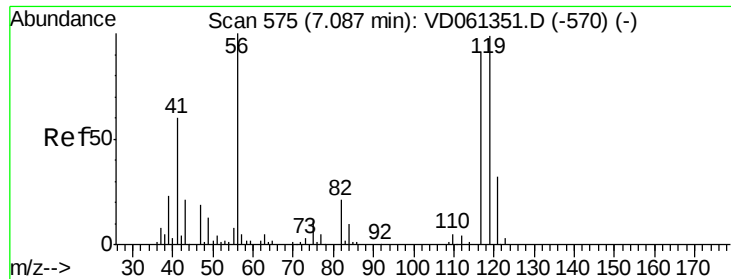
Acq: 2 Apr 2019 5:49

Tgt Ion	Ratio	Lower	Upper
75	100		
110	7.7	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

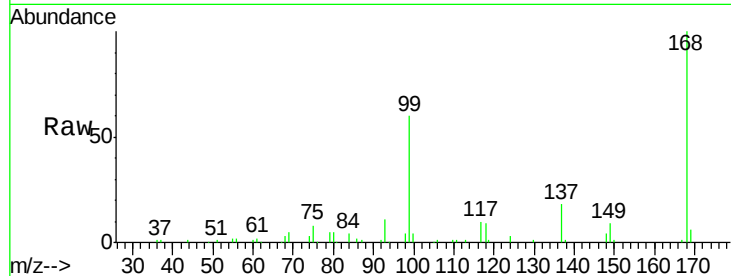




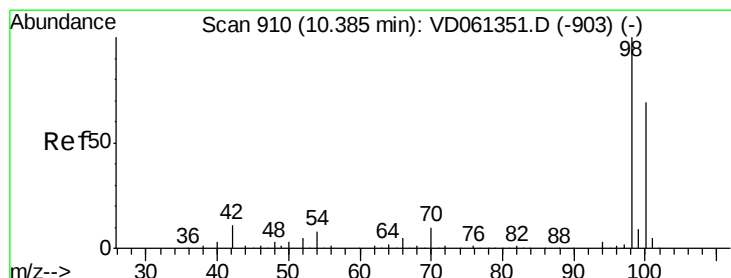
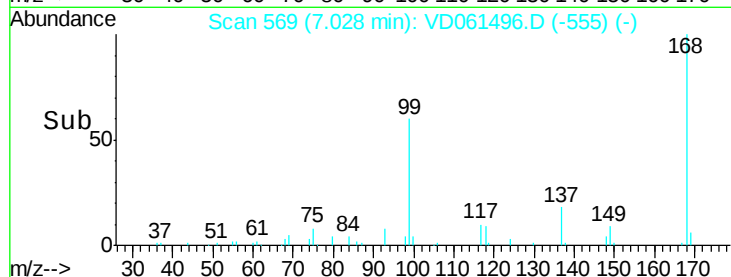
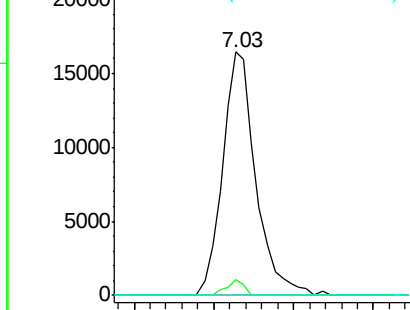
#38
Carbon Tetrachloride
Concen: 5.729 ug/l
RT: 7.03 min Scan# 569
Delta R.T. -0.06 min
Lab File: VD061496.D
Acq: 2 Apr 2019 5:49

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion:117 Resp: 47939
Ion Ratio Lower Upper
117 100
119 6.6 80.1 120.1#
121 0.0 25.6 38.4#

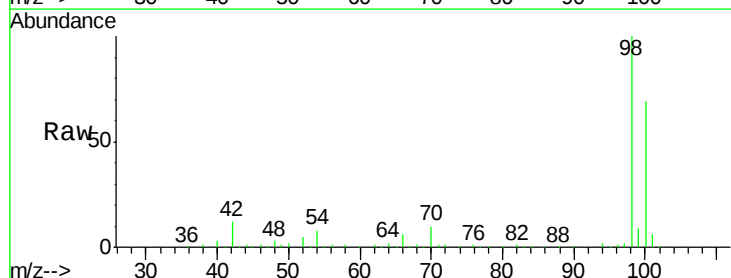


Abundance Ion 116.85 (116.55 to 117.55): V
Ion 118.85 (118.55 to 119.55): V
Ion 120.85 (120.55 to 121.55): V

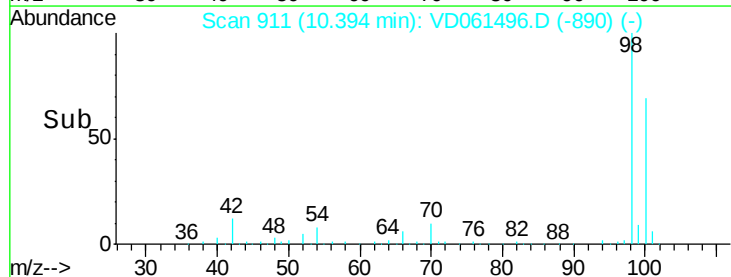
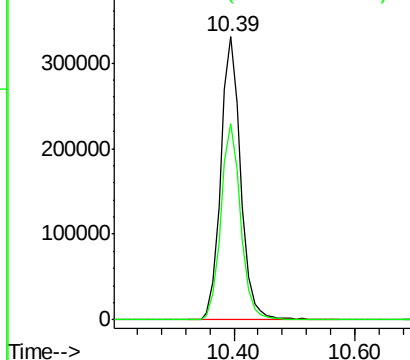


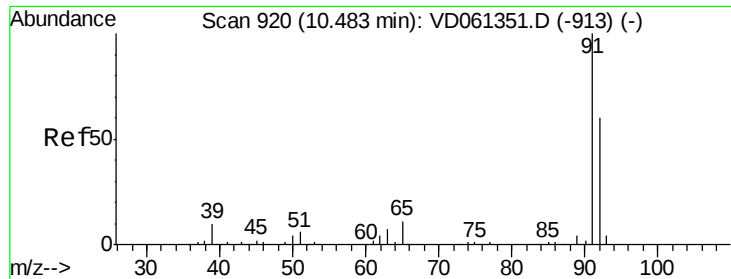
#50
Toluene-d8
Concen: N.D. ug/l
RT: 10.39 min Scan# 911
Delta R.T. 0.01 min
Lab File: VD061496.D
Acq: 2 Apr 2019 5:49

Tgt Ion: 98 Resp: 751351
Ion Ratio Lower Upper
98 100
100 69.3 56.2 84.2



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





#52

Toluene

Concen: 3.779 ug/l

RT: 10.49 min Scan# 921

Delta R.T. 0.01 min

Lab File: VD061496.D

Acq: 2 Apr 2019 5:49

Instrument :

MSVOA_D

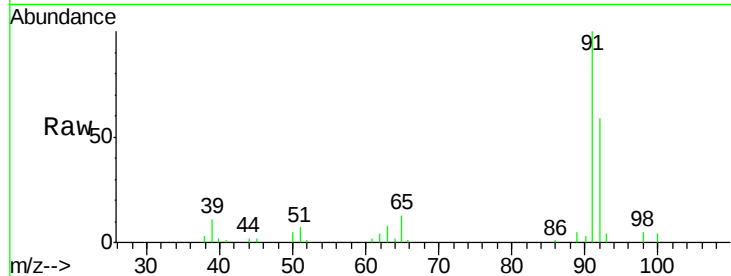
ClientSampleId :

Tot Ion: 92 Resp: 42134

Ion Ratio Lower Upper

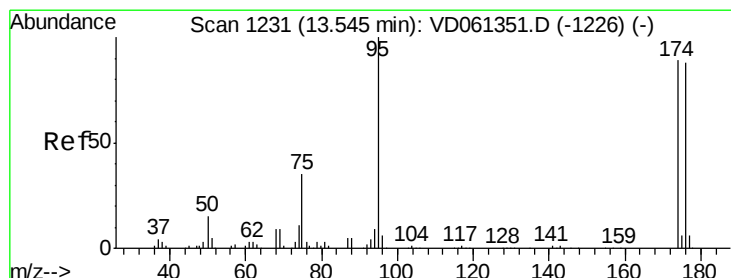
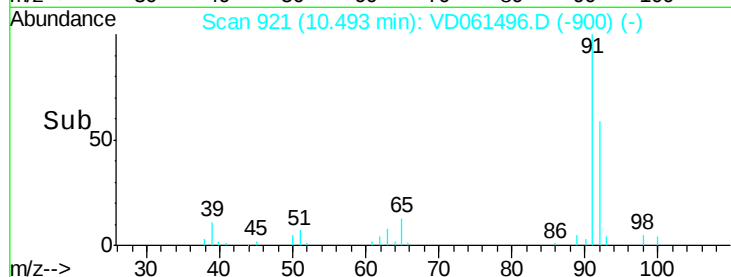
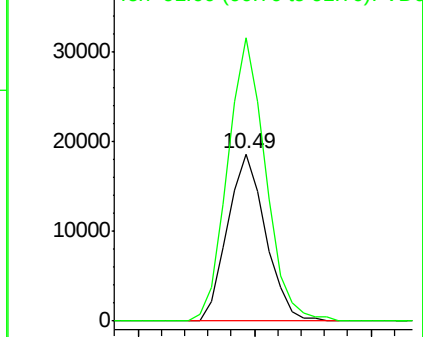
92 100

91 169.5 133.3 199.9



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: 13.54 min Scan# 1231

Delta R.T. -0.00 min

Lab File: VD061496.D

Acq: 2 Apr 2019 5:49

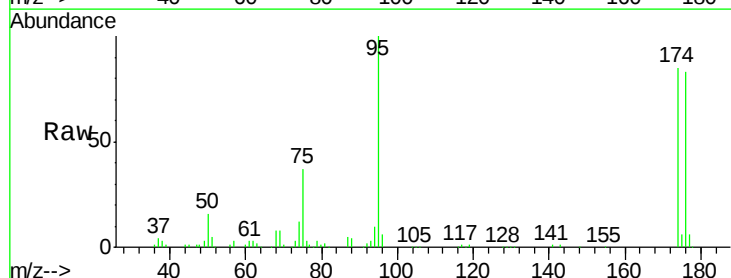
Tgt Ion: 95 Resp: 264194

Ion Ratio Lower Upper

95 100

174 85.3 0.0 178.0

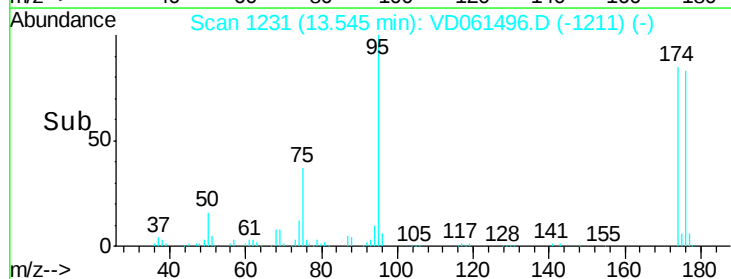
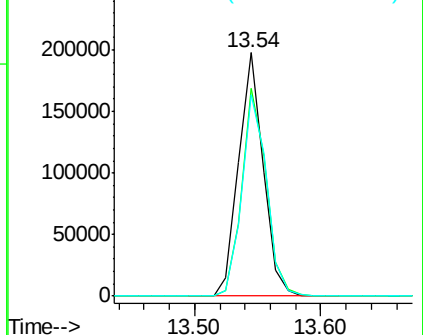
176 83.0 0.0 175.0

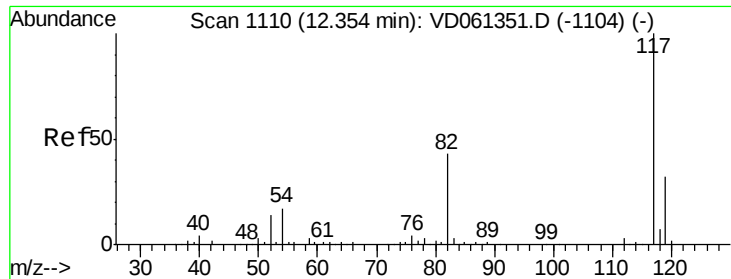


Abundance Ion 95.00 (94.70 to 95.70): VDC

Ion 173.90 (173.60 to 174.60): V

Ion 175.90 (175.60 to 176.60): V

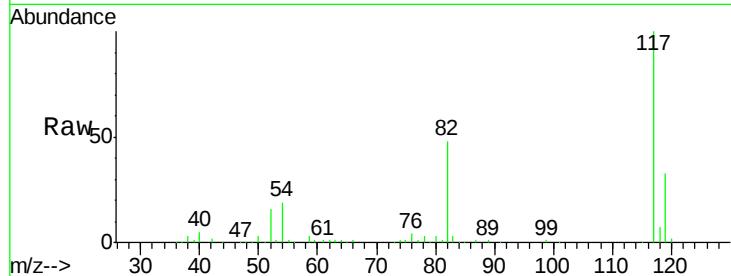




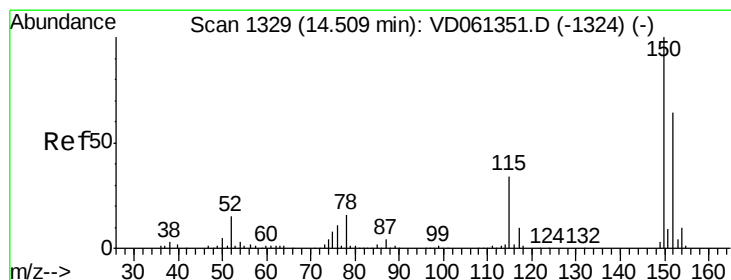
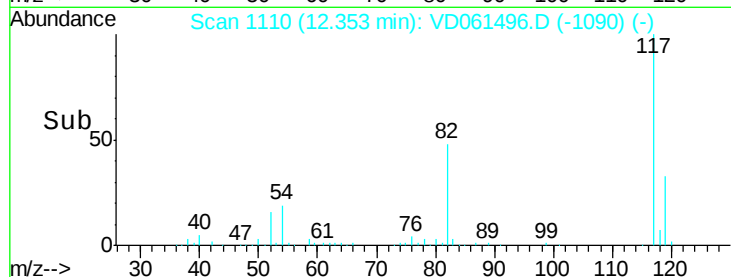
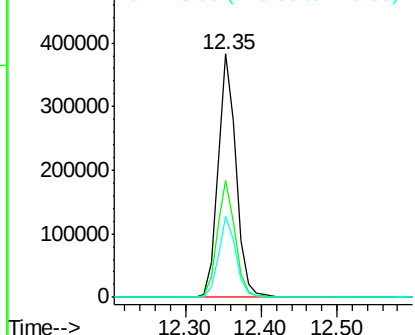
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 12.35 min Scan# 1110
Delta R.T. -0.00 min
Lab File: VD061496.D
Acq: 2 Apr 2019 5:49

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion:117 Resp: 640312
Ion Ratio Lower Upper
117 100
82 47.8 34.4 51.6
119 33.2 25.8 38.6

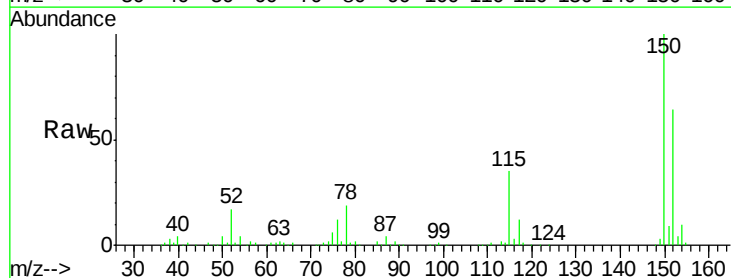


Abundance Ion 116.95 (116.65 to 117.65): V
Ion 82.05 (81.75 to 82.75): V
Ion 118.95 (118.65 to 119.65): V

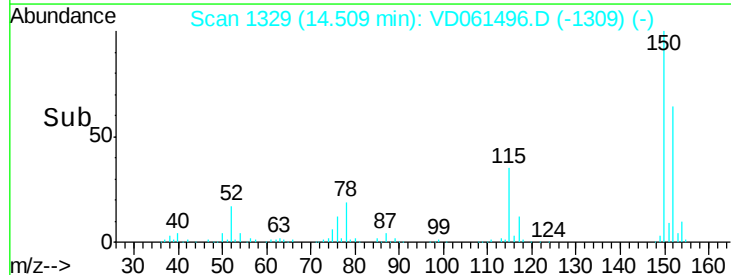
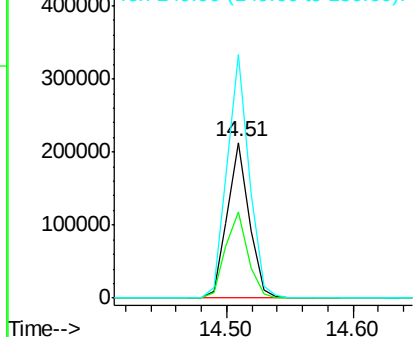


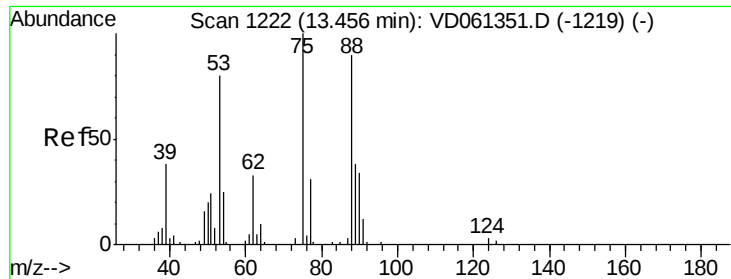
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 14.51 min Scan# 1329
Delta R.T. -0.00 min
Lab File: VD061496.D
Acq: 2 Apr 2019 5:49

Tgt Ion:152 Resp: 255515
Ion Ratio Lower Upper
152 100
115 55.1 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





#81

trans-1,4-Dichloro-2-butene

Concen: 87.714 ug/l

RT: 13.54 min Scan# 1231

Delta R.T. 0.09 min

Lab File: VD061496.D

Acq: 2 Apr 2019 5:49

Instrument :

MSVOA_D

ClientSampleId :

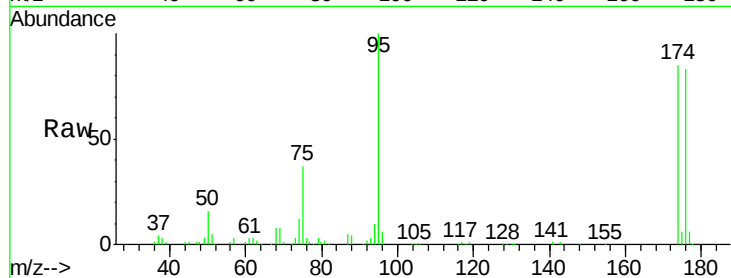
Tot Ion: 75 Resp: 98712

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

