

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD050219\
 Data File : VD062117.D
 Acq On : 2 May 2019 18:05
 Operator : FY/SY
 Sample : K2668-05
 Misc : 5.37g/5mL/MSVOA D/SOIL
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: May 03 01:11:28 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D042319S.M
 Quant Title : SW846 8260
 QLast Update : Thu May 02 07:55:52 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.02	168	86615	50.00	ug/l	-0.03
34) 1,4-Difluorobenzene	8.19	114	155516	50.00	ug/l	-0.03
63) Chlorobenzene-d5	12.35	117	147332	50.00	ug/l	-0.02
72) 1,4-Dichlorobenzene-d4	14.50	152	73609	50.00	ug/l	-0.02

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	7.43	65	65476	96.59	ug/l	-0.03
Spiked Amount			Recovery	=	193.18%	
35) Dibromofluoromethane	6.90	113	73099	67.96	ug/l	-0.03
Spiked Amount			Recovery	=	135.92%	
50) Toluene-d8	10.39	98	137941	53.90	ug/l	-0.03
Spiked Amount			Recovery	=	107.80%	
62) 4-Bromofluorobenzene	13.54	95	74233	72.32	ug/l	-0.02
Spiked Amount			Recovery	=	144.64%	

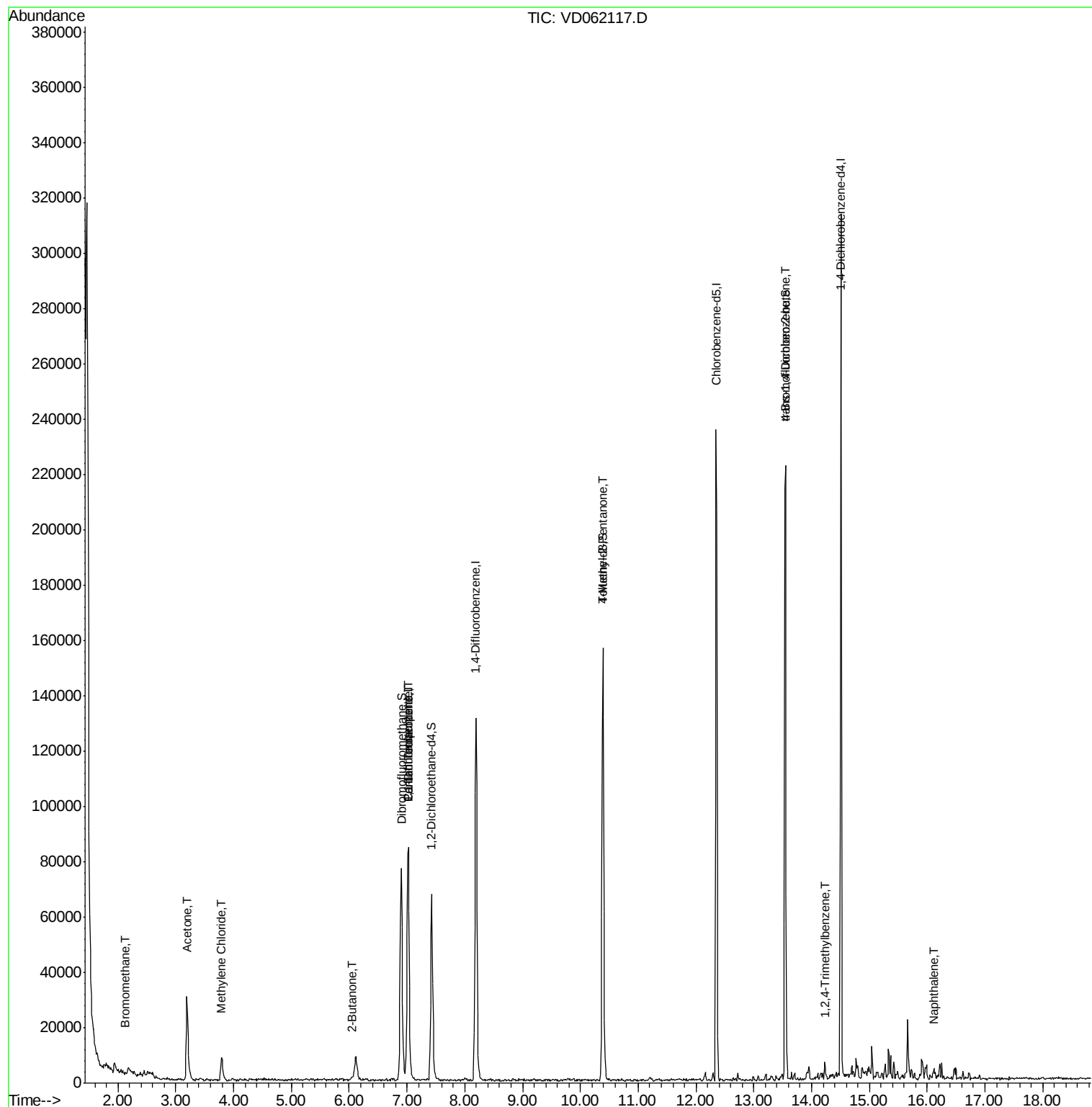
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	2.14	94	426	1.826	ug/l #	12
16) Acetone	3.19	43	52186	322.411	ug/l	98
20) Methylene Chloride	3.79	84	6430	5.310	ug/l #	88
25) 2-Butanone	6.04	43	2215	11.287	ug/l #	56
36) 1,1-Dichloropropene	7.03	75	5843	4.822	ug/l #	40
38) Carbon Tetrachloride	7.01	117	7723	5.030	ug/l #	12
51) 4-Methyl-2-Pentanone	10.39	43	510	1.105	ug/l #	1
81) trans-1,4-Dichloro-2-buten	13.54	75	28600	100.968	ug/l #	16
84) 1,2,4-Trimethylbenzene	14.23	105	4183	1.119	ug/l	75
95) Naphthalene	16.12	128	2691	1.518	ug/l #	70

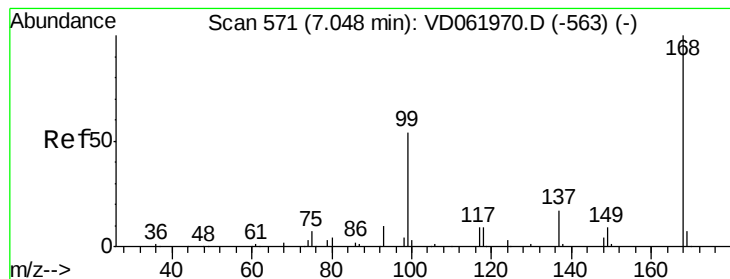
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_D\METHOD\82D042319S.M
Quant Title : SW846 8260
QLast Update : Thu May 02 07:55:52 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.02 min Scan# 569

Delta R.T. -0.03 min

Lab File: VD062117.D

Acq: 2 May 2019 18:05

Instrument :

MSVOA_D

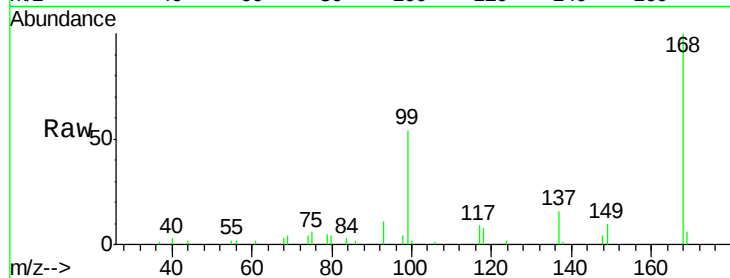
ClientSampleId :

Tot Ion:168 Resp: 86615

Ion Ratio Lower Upper

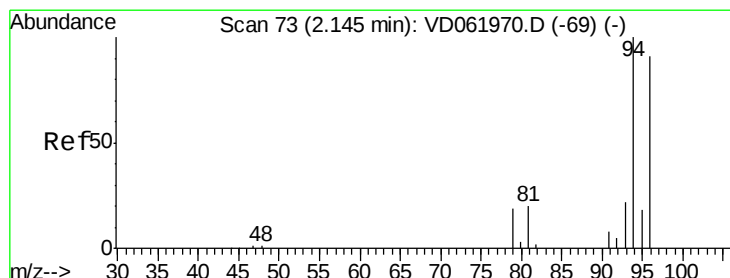
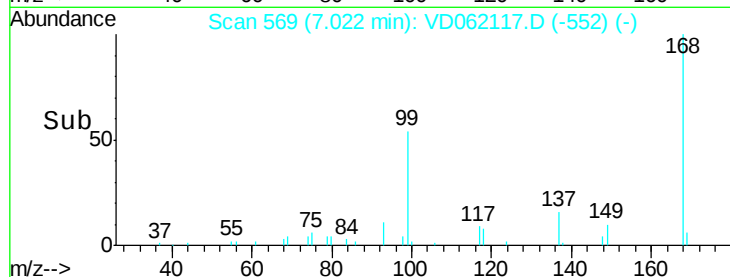
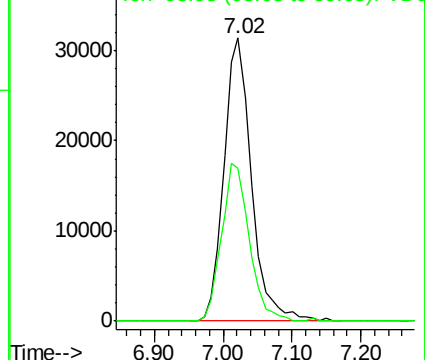
168 100

99 54.2 46.5 69.7



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC



#5

Bromomethane

Concen: 1.826 ug/l

RT: 2.14 min Scan# 73

Delta R.T. -0.02 min

Lab File: VD062117.D

Acq: 2 May 2019 18:05

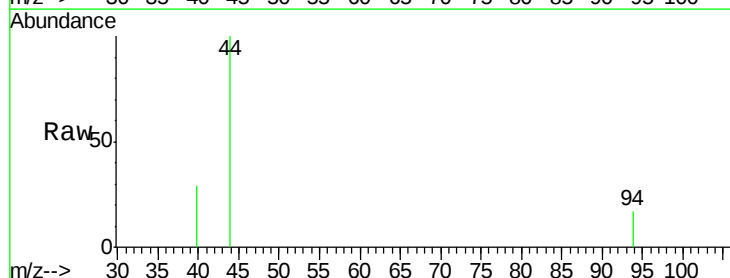
Tgt Ion: 94 Resp: 426

Ion Ratio Lower Upper

94 100

96 0.0 76.6 115.0#

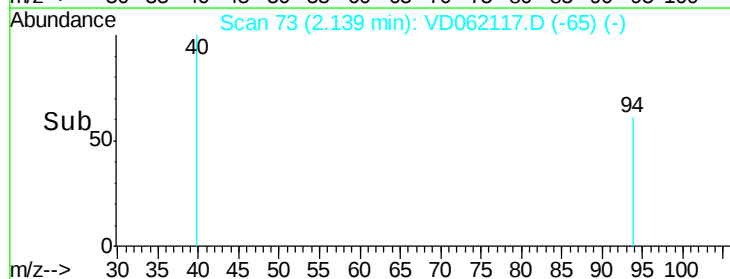
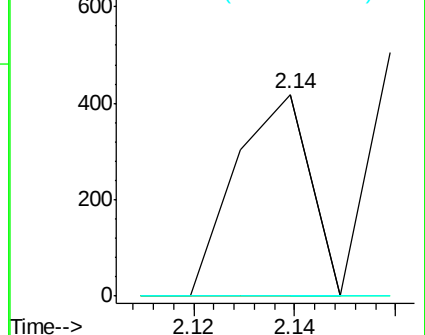
93 0.0 18.5 27.7#

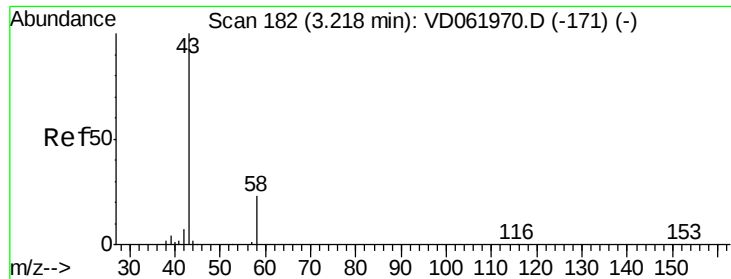


Abundance Ion 94.00 (93.70 to 94.70): VDC

Ion 96.00 (95.70 to 96.70): VDC

Ion 93.00 (92.70 to 93.70): VDC





#16

Acetone

Concen: 322.411 ug/l

RT: 3.19 min Scan# 180

Delta R.T. -0.03 min

Lab File: VD062117.D

Acq: 2 May 2019 18:05

Instrument :

MSVOA_D

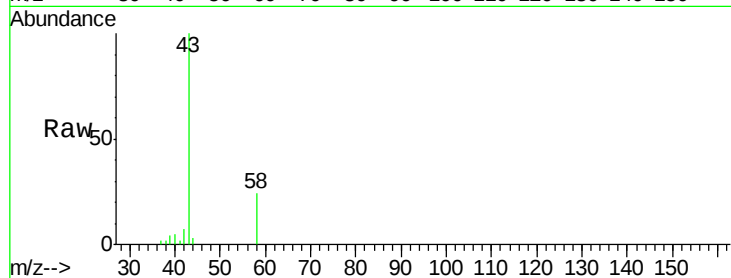
ClientSampleId :

Tot Ion: 43 Resp: 52186

Ion Ratio Lower Upper

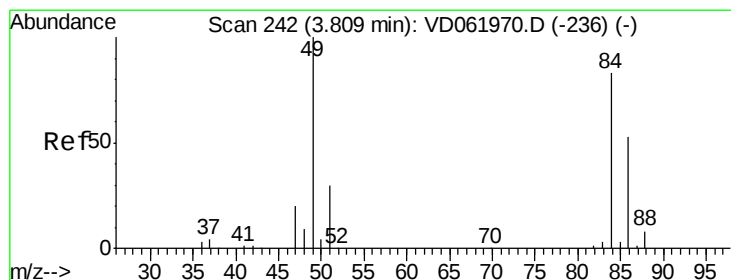
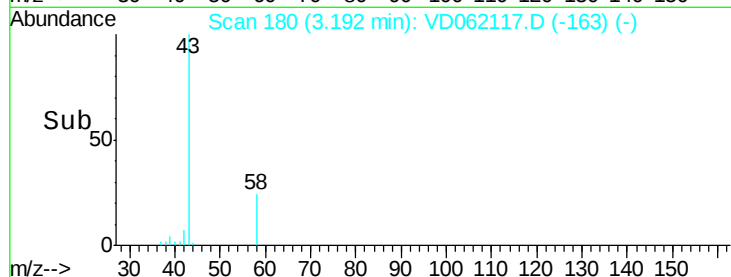
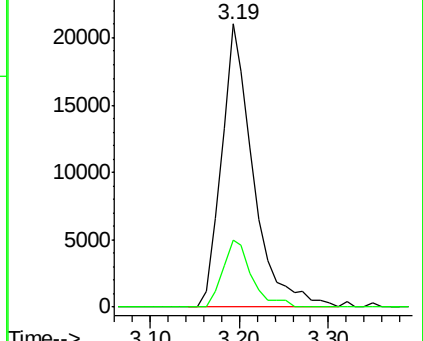
43 100

58 23.7 19.9 29.9



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC



#20

Methylene Chloride

Concen: 5.310 ug/l

RT: 3.79 min Scan# 241

Delta R.T. -0.03 min

Lab File: VD062117.D

Acq: 2 May 2019 18:05

Tgt Ion: 84 Resp: 6430

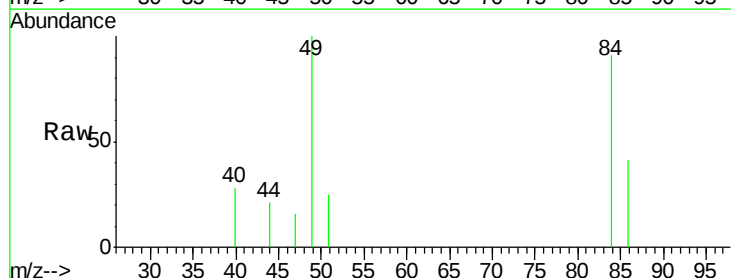
Ion Ratio Lower Upper

84 100

49 110.2 94.0 141.0

51 27.4 29.0 43.4#

86 45.4 49.8 74.6#

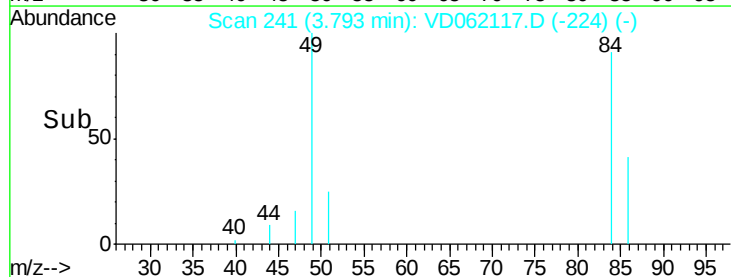
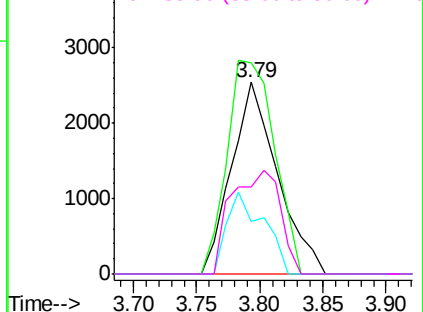


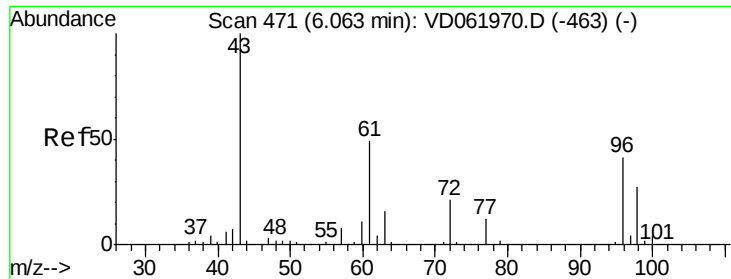
Abundance Ion 83.95 (83.65 to 84.65): VDC

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

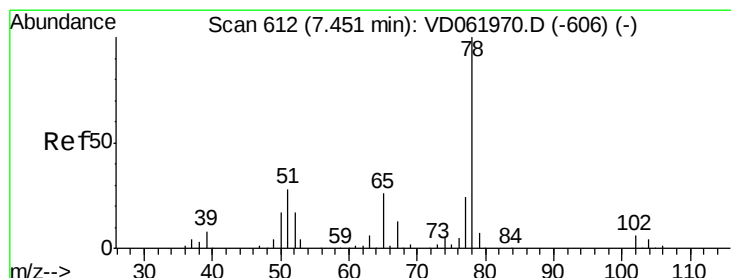
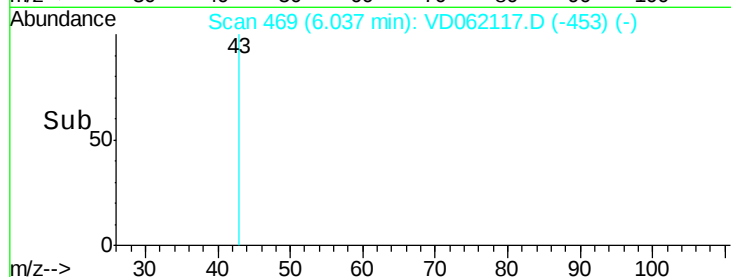
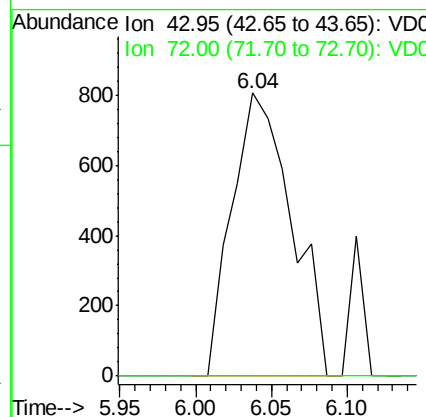
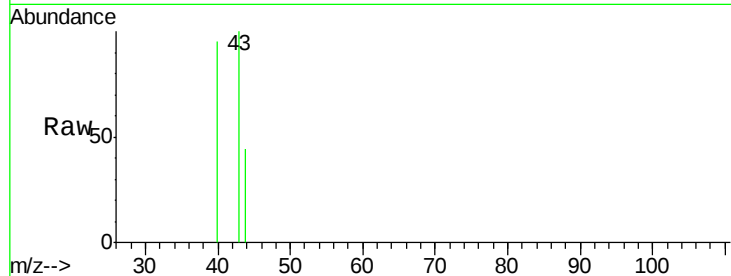




#25
2-Butanone
Concen: 11.287 ug/l
RT: 6.04 min Scan# 469
Delta R.T. -0.04 min
Lab File: VD062117.D
Acq: 2 May 2019 18:05

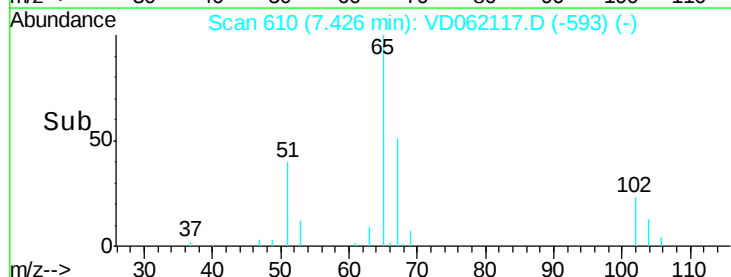
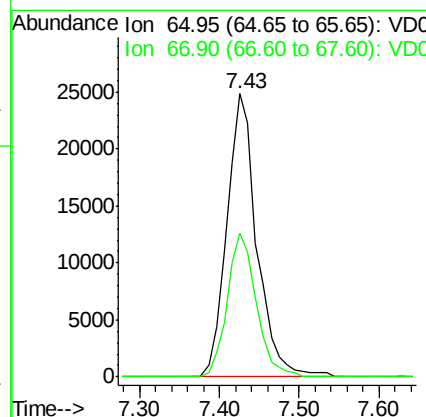
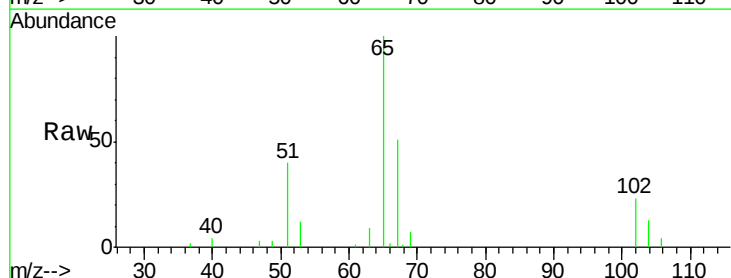
Instrument :
MSVOA_D
ClientSampleId :

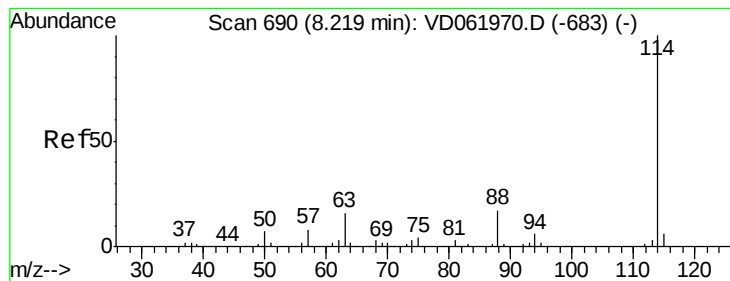
Tot Ion: 43 Resp: 2215
Ion Ratio Lower Upper
43 100
72 0.0 16.2 24.4#



#33
1,2-Dichloroethane-d4
Concen: 96.587 ug/l
RT: 7.43 min Scan# 610
Delta R.T. -0.03 min
Lab File: VD062117.D
Acq: 2 May 2019 18:05

Tgt Ion: 65 Resp: 65476
Ion Ratio Lower Upper
65 100
67 51.1 0.0 98.0





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.19 min Scan# 688

Delta R.T. -0.03 min

Lab File: VD062117.D

Acq: 2 May 2019 18:05

Instrument :

MSVOA_D

ClientSampleId :

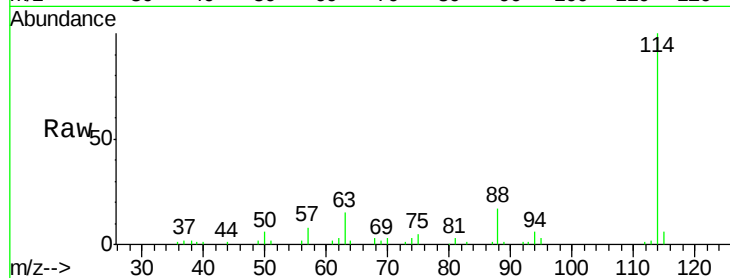
Tot Ion:114 Resp: 155516

Ion Ratio Lower Upper

114 100

63 15.4 0.0 32.4

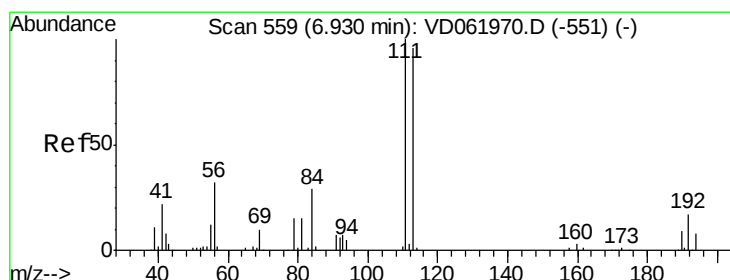
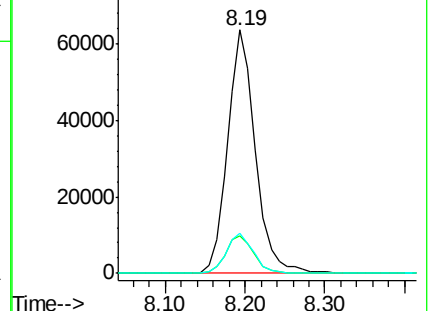
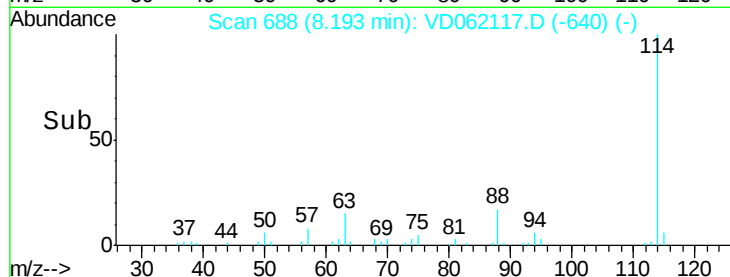
88 16.6 0.0 33.6



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: 67.965 ug/l

RT: 6.90 min Scan# 557

Delta R.T. -0.03 min

Lab File: VD062117.D

Acq: 2 May 2019 18:05

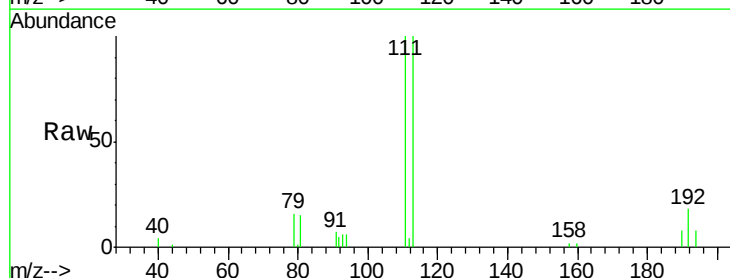
Tgt Ion:113 Resp: 73099

Ion Ratio Lower Upper

113 100

111 99.6 78.5 117.7

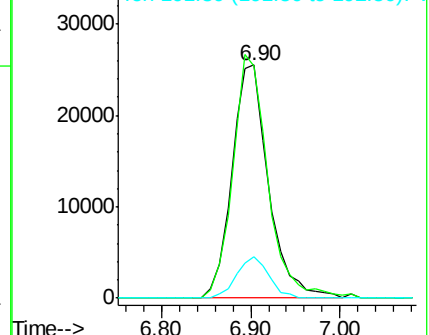
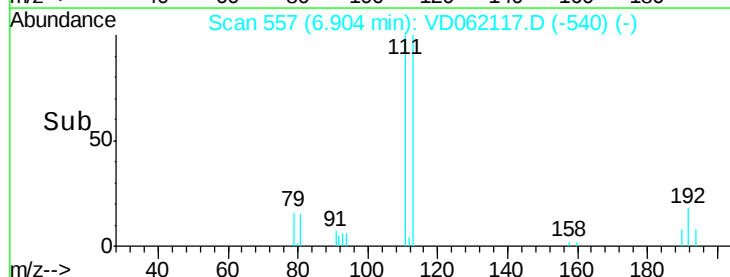
192 17.8 13.0 19.4

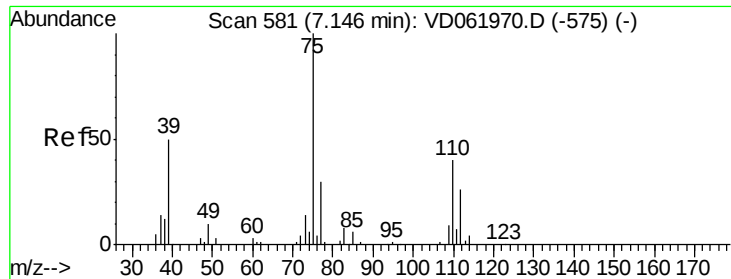


Abundance Ion 112.90 (112.60 to 113.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 191.80 (191.50 to 192.50): V





#36

1,1-Dichloropropene

Concen: 4.822 ug/l

RT: 7.03 min Scan# 570

Delta R.T. -0.12 min

Lab File: VD062117.D

Acq: 2 May 2019 18:05

Instrument :

MSVOA_D

ClientSampleId :

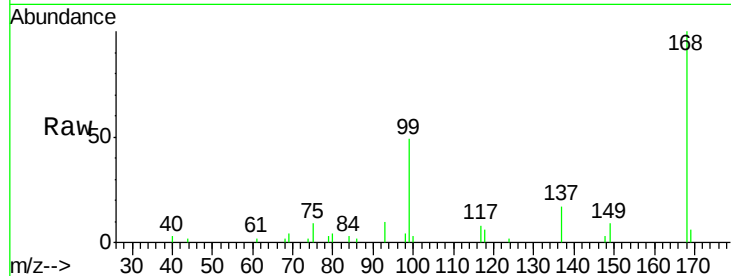
Tot Ion: 75 Resp: 5843

Ion Ratio Lower Upper

75 100

110 0.0 19.1 57.1#

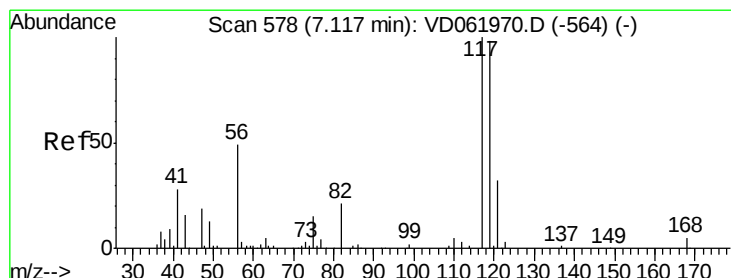
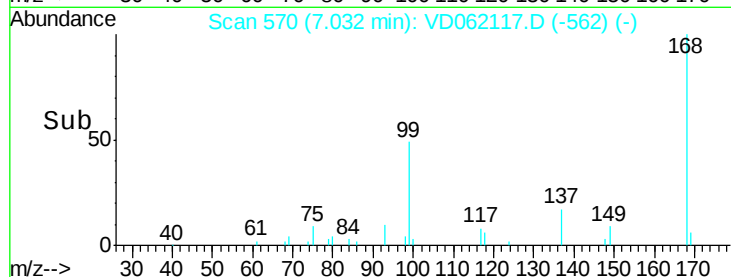
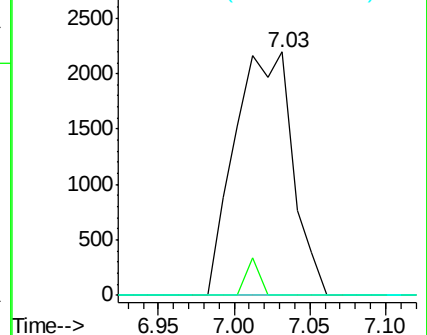
77 0.0 25.6 38.4#



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: 5.030 ug/l

RT: 7.01 min Scan# 568

Delta R.T. -0.11 min

Lab File: VD062117.D

Acq: 2 May 2019 18:05

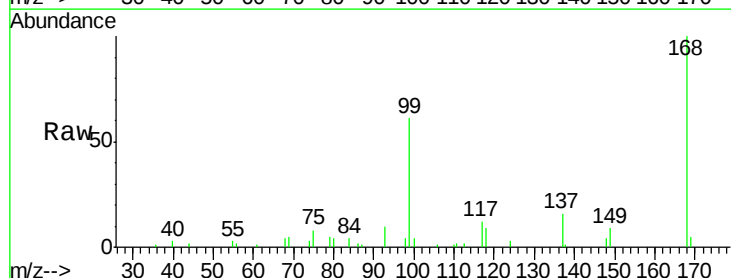
Tgt Ion: 117 Resp: 7723

Ion Ratio Lower Upper

117 100

119 0.0 75.8 113.8#

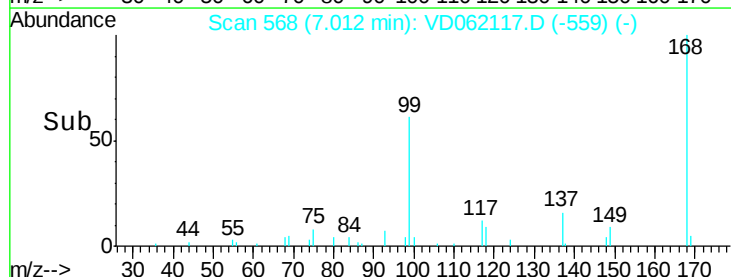
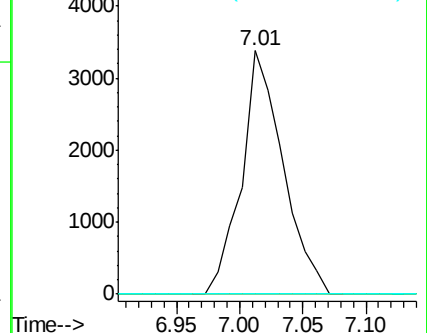
121 0.0 25.9 38.9#

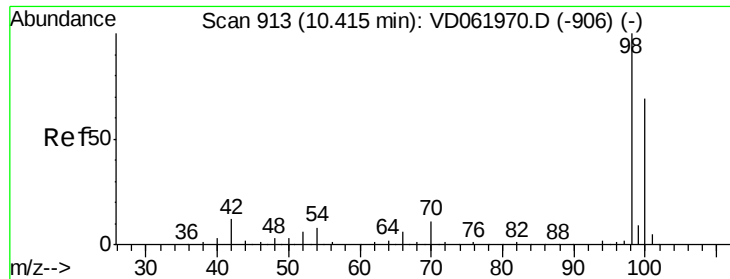


Abundance Ion 116.85 (116.55 to 117.55): V

Ion 118.85 (118.55 to 119.55): V

Ion 120.85 (120.55 to 121.55): V

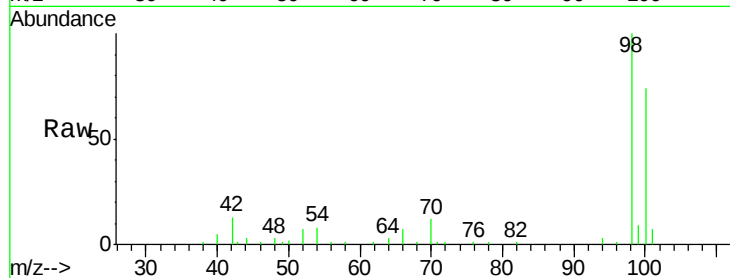




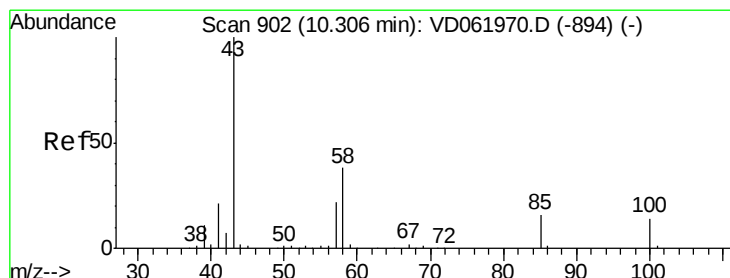
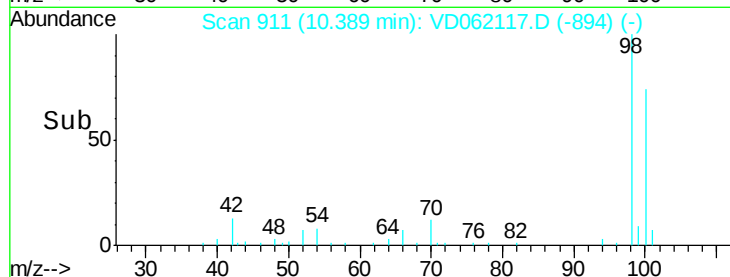
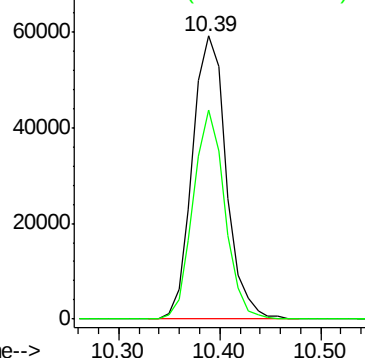
#50
Toluene-d8
Concen: 53.899 ug/l
RT: 10.39 min Scan# 911
Delta R.T. -0.03 min
Lab File: VD062117.D
Acq: 2 May 2019 18:05

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 98 Resp: 137941
Ion Ratio Lower Upper
98 100
100 74.1 53.8 80.8

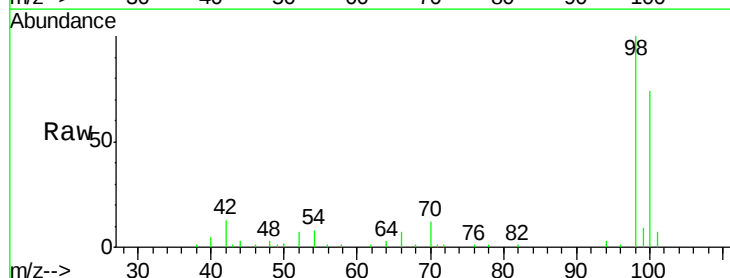


Abundance Ion 98.05 (97.75 to 98.75): VD061970.D (-906) (-)
Ion 100.05 (99.75 to 100.75): VD061970.D (-906) (-)

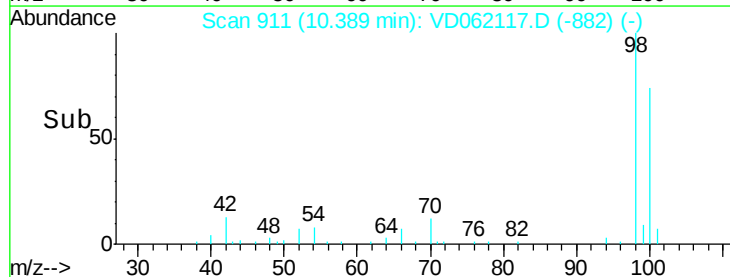
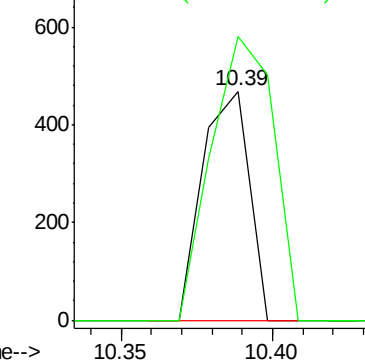


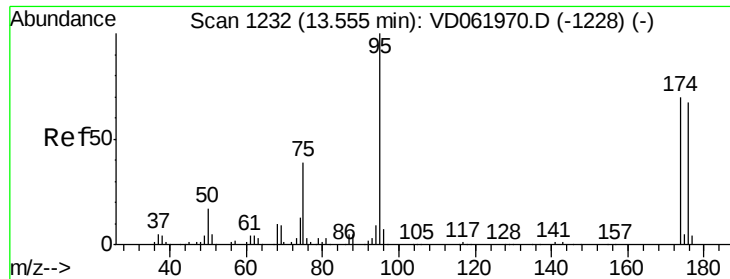
#51
4-Methyl-2-Pentanone
Concen: 1.105 ug/l
RT: 10.39 min Scan# 911
Delta R.T. 0.09 min
Lab File: VD062117.D
Acq: 2 May 2019 18:05

Tgt Ion: 43 Resp: 510
Ion Ratio Lower Upper
43 100
58 123.7 30.4 45.6#



Abundance Ion 42.95 (42.65 to 43.65): VD061970.D (-894) (-)
Ion 57.95 (57.65 to 58.65): VD061970.D (-894) (-)





#62

4-Bromofluorobenzene

Concen: 72.317 ug/l

RT: 13.54 min Scan# 1231

Delta R.T. -0.02 min

Lab File: VD062117.D

Acq: 2 May 2019 18:05

Instrument :

MSVOA_D

ClientSampleId :

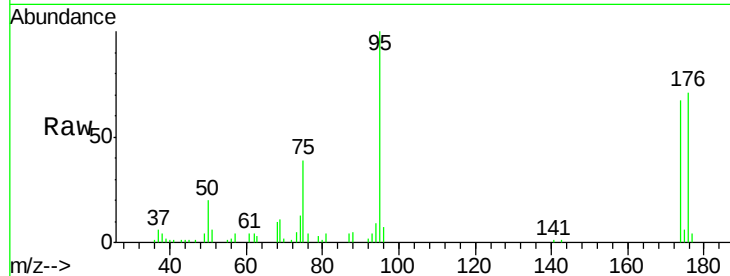
Tot Ion: 95 Resp: 74233

Ion Ratio Lower Upper

95 100

174 66.9 0.0 181.8

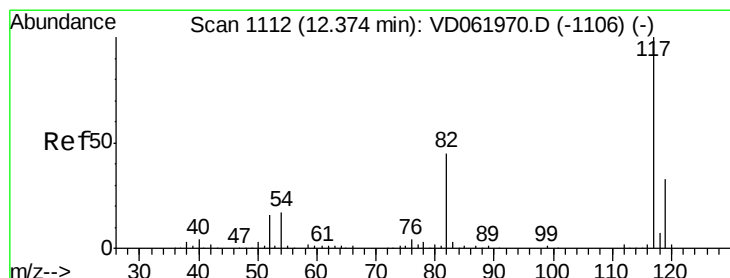
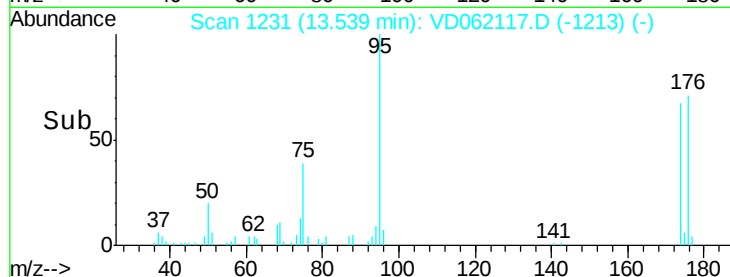
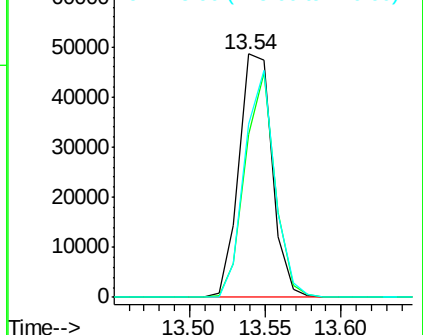
176 71.1 0.0 174.4



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. -0.02 min

Lab File: VD062117.D

Acq: 2 May 2019 18:05

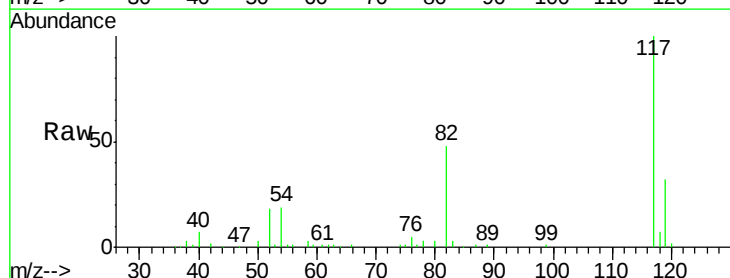
Tgt Ion: 117 Resp: 147332

Ion Ratio Lower Upper

117 100

82 48.1 36.2 54.2

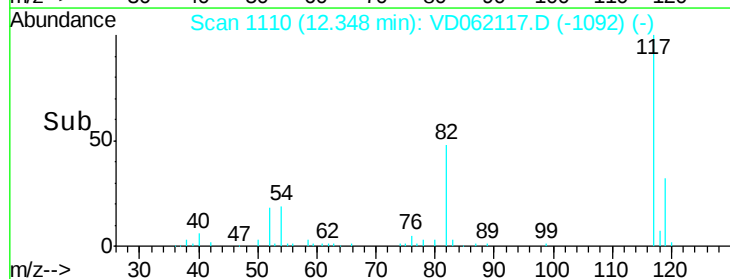
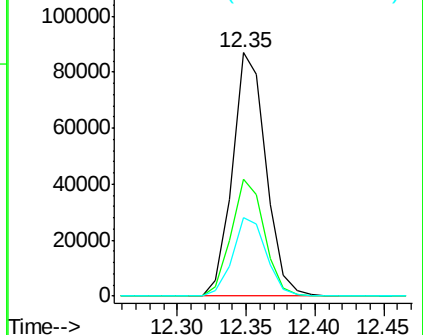
119 32.1 26.2 39.4

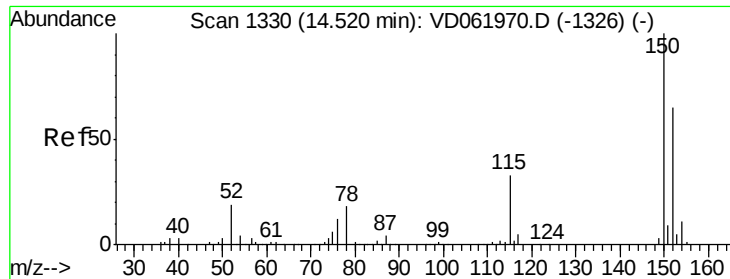


Abundance Ion 116.95 (116.65 to 117.65): V

Ion 82.05 (81.75 to 82.75): V

Ion 118.95 (118.65 to 119.65): V



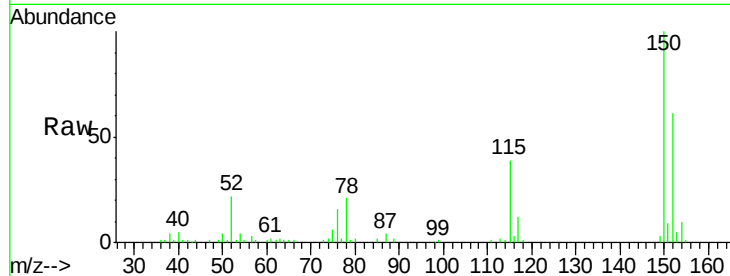


#72

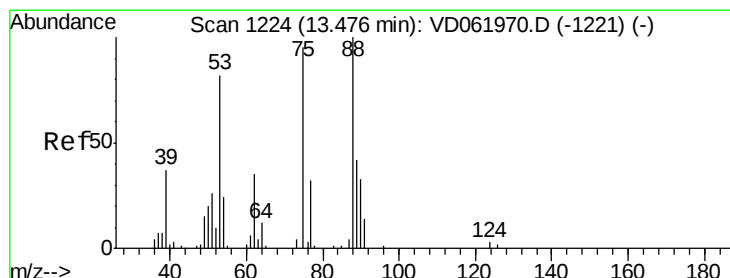
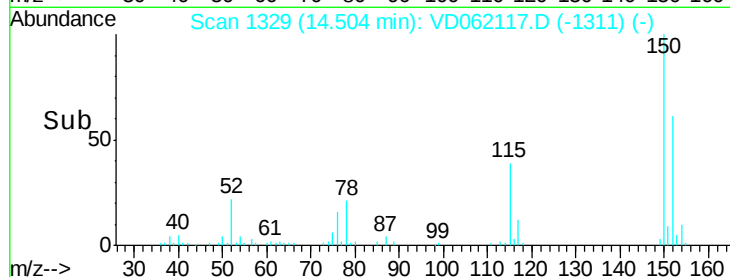
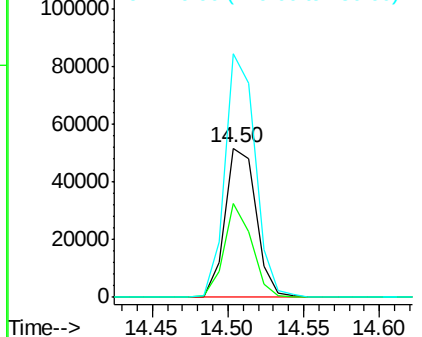
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 14.50 min Scan# 1329
Delta R.T. -0.02 min
Lab File: VD062117.D
Acq: 2 May 2019 18:05

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion:152 Resp: 73609
Ion Ratio Lower Upper
152 100
115 63.0 30.9 92.7
150 163.0 0.0 314.8



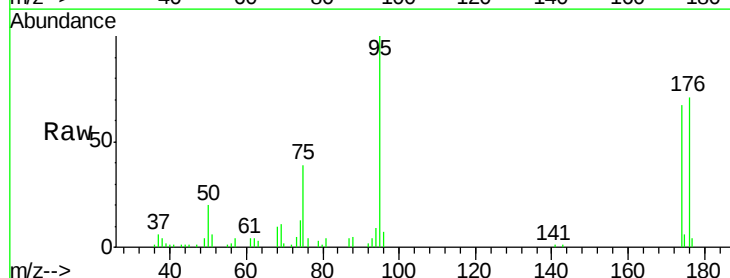
Abundance Ion 151.90 (151.60 to 152.60): V
Ion 115.00 (114.70 to 115.70): V
Ion 149.90 (149.60 to 150.60): V



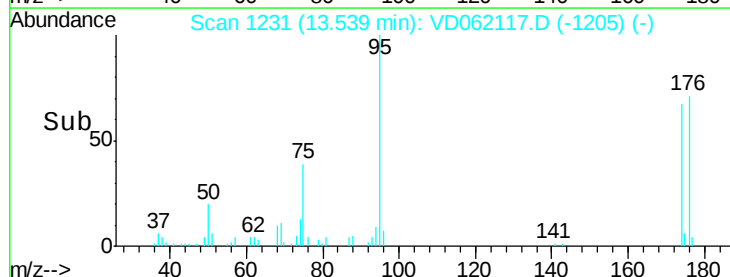
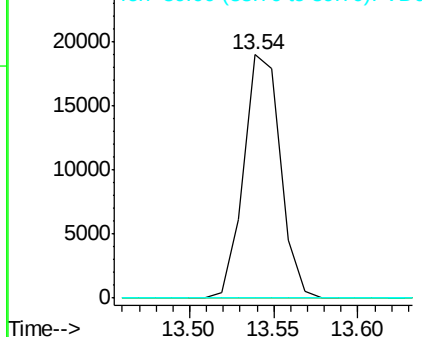
#81

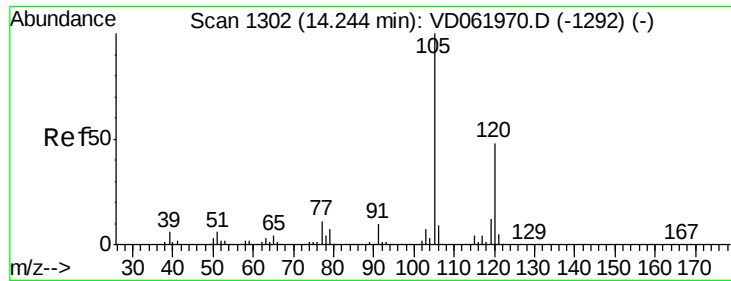
trans-1,4-Dichloro-2-butene
Concen: 100.968 ug/l
RT: 13.54 min Scan# 1231
Delta R.T. 0.06 min
Lab File: VD062117.D
Acq: 2 May 2019 18:05

Tgt Ion: 75 Resp: 28600
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

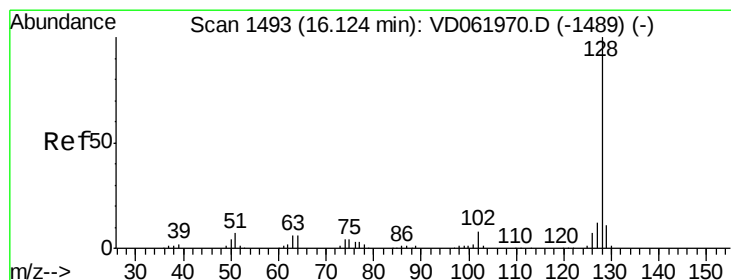
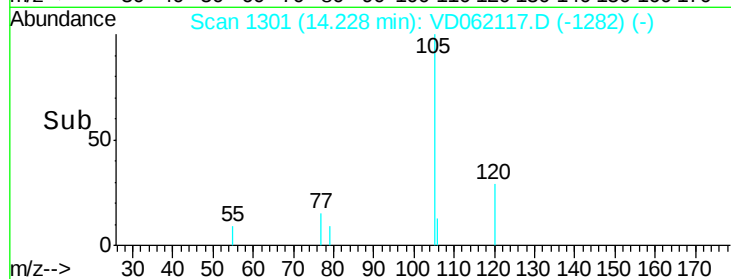
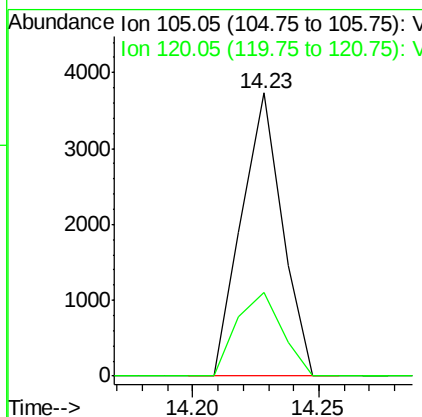
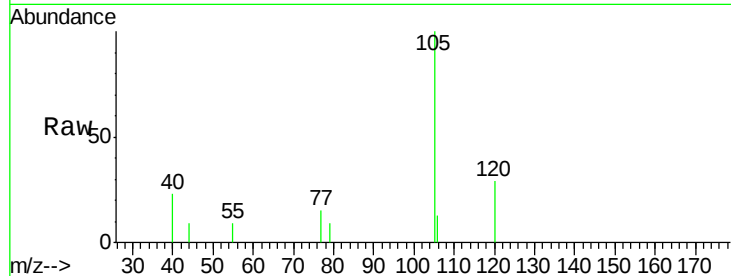




#84
 1,2,4-Trimethylbenzene
 Concen: 1.119 ug/l
 RT: 14.23 min Scan# 1301
 Delta R.T. -0.01 min
 Lab File: VD062117.D
 Acq: 2 May 2019 18:05

Instrument :
 MSVOA_D
 ClientSampleId :

Tot Ion:105 Resp: 4183
 Ion Ratio Lower Upper
 105 100
 120 29.4 23.1 69.2



#95
 Naphthalene
 Concen: 1.518 ug/l
 RT: 16.12 min Scan# 1493
 Delta R.T. -0.01 min
 Lab File: VD062117.D
 Acq: 2 May 2019 18:05

Tgt Ion:128 Resp: 2691
 Ion Ratio Lower Upper
 128 100
 127 0.0 9.8 14.8#
 129 0.0 8.8 13.2#

