

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD032019\
 Data File : VD061210.D
 Acq On : 20 Mar 2019 16:13
 Operator : VA/AP
 Sample : K1943-10RE
 Misc : 4.55g/5ml/MSVOA D/SOIL
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 20190133-LOC-10RE

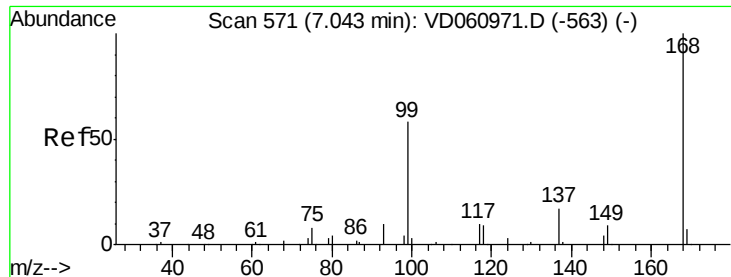
Quant Time: Mar 22 02:00:47 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D030719S.M
 Quant Title : SW846 8260
 QLast Update : Fri Mar 08 02:35:39 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.04	168	466889	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.21	114	776057	50.00	ug/l	0.00
63) Chlorobenzene-d5	12.36	117	494926	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	14.51	152	133446	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	7.45	65	243884	62.76	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	125.52%	
35) Dibromofluoromethane	6.91	113	371725	64.54	ug/l	-0.01
Spiked Amount				50.000		
			Recovery	=	129.08%	
50) Toluene-d8	10.40	98	766831	53.02	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	106.04%	
62) 4-Bromofluorobenzene	13.55	95	213412	38.03	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	76.06%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
16) Acetone	3.21	43	202090	181.846	ug/l	98
17) Carbon Disulfide	3.38	76	33662	2.129	ug/l #	93
20) Methylene Chloride	3.81	84	32465	1.922	ug/l #	94
25) 2-Butanone	6.05	43	70395	55.823	ug/l	99
29) Tetrahydrofuran	6.43	42	901	1.316	ug/l #	33
31) Cyclohexane	7.03	56	8107	1.179	ug/l #	1
36) 1,1-Dichloropropene	7.04	75	33850	5.060	ug/l #	48
37) Ethyl Acetate	6.05	43	70395	22.425	ug/l #	66
38) Carbon Tetrachloride	7.04	117	43994	5.970	ug/l #	15
81) trans-1,4-Dichloro-2-buten	13.55	75	75673	133.694	ug/l #	17

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.04 min Scan# 571

Delta R.T. -0.00 min

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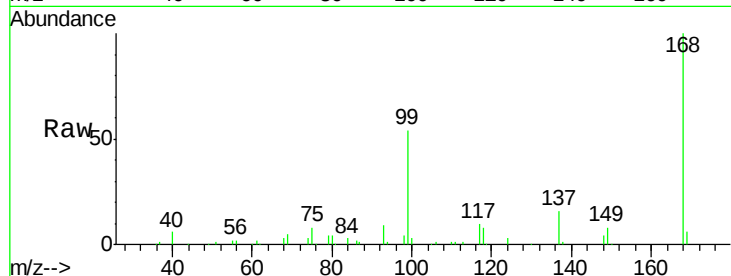
20190133-LOC-10RE

Tot Ion:168 Resp: 466889

Ion Ratio Lower Upper

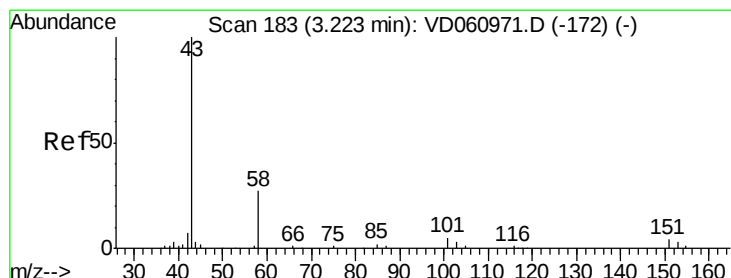
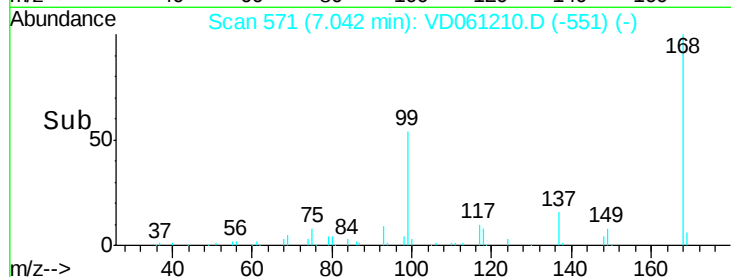
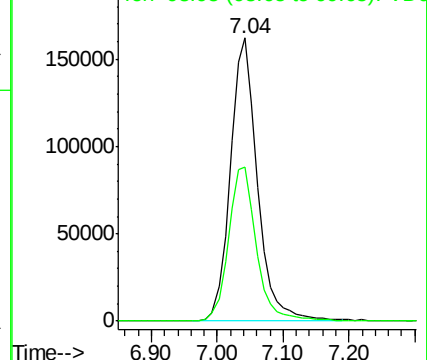
168 100

99 54.4 47.3 70.9



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC



#16

Acetone

Concen: 181.846 ug/l

RT: 3.21 min Scan# 182

Delta R.T. -0.01 min

Lab File: VD061210.D

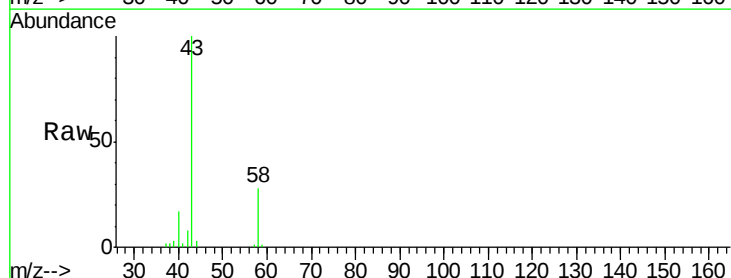
Acq: 20 Mar 2019 16:13

Tgt Ion: 43 Resp: 202090

Ion Ratio Lower Upper

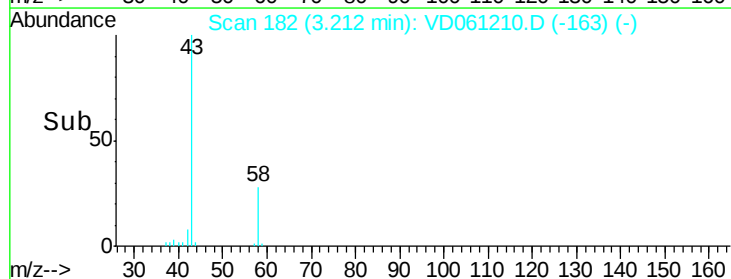
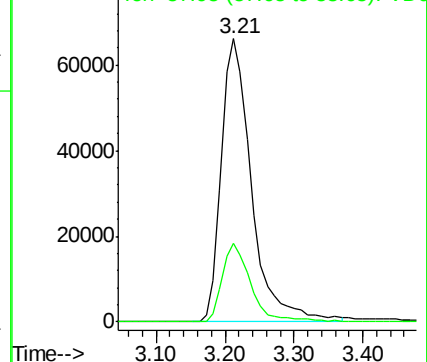
43 100

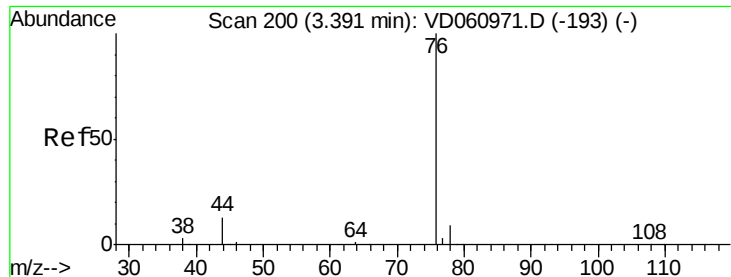
58 27.9 21.6 32.4



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC





#17

Carbon Disulfide

Concen: 2.129 ug/l

RT: 3.38 min Scan# 199

Delta R.T. -0.01 min

Lab File: VD061210.D

Acq: 20 Mar 2019 16:13

Instrument :

MSVOA_D

ClientSampleId :

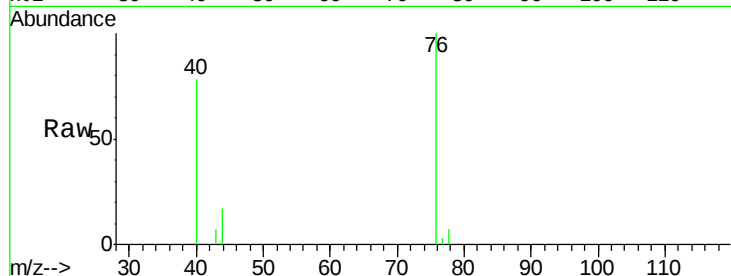
20190133-LOC-10RE

Tot Ion: 76 Resp: 33662

Ion Ratio Lower Upper

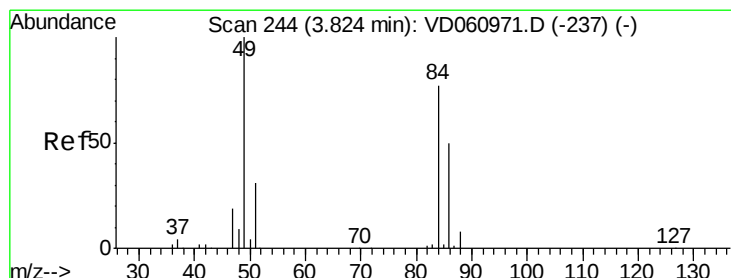
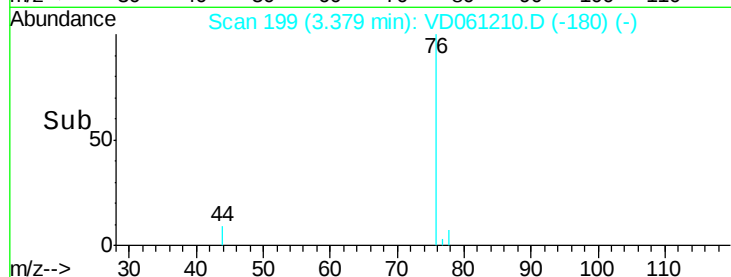
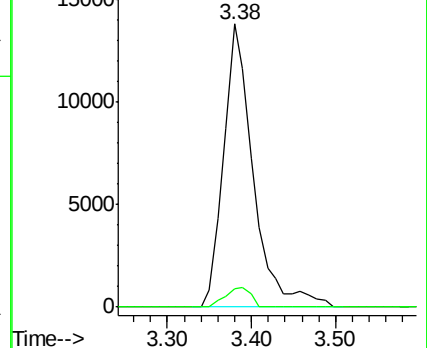
76 100

78 6.7 7.4 11.2#



Abundance Ion 75.85 (75.55 to 76.55): VDC

Ion 77.85 (77.55 to 78.55): VDC



#20

Methylene Chloride

Concen: 1.922 ug/l

RT: 3.81 min Scan# 243

Delta R.T. -0.01 min

Lab File: VD061210.D

Acq: 20 Mar 2019 16:13

Tgt Ion: 84 Resp: 32465

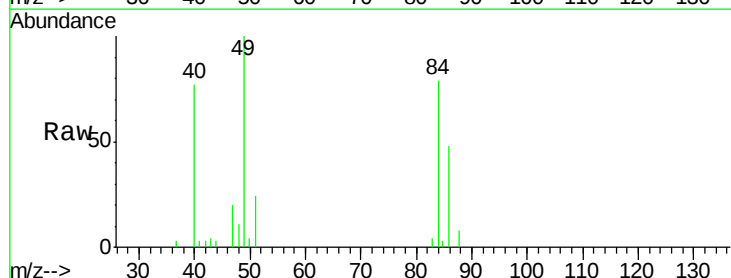
Ion Ratio Lower Upper

84 100

49 126.2 104.2 156.2

51 30.8 32.3 48.5#

86 60.9 52.3 78.5

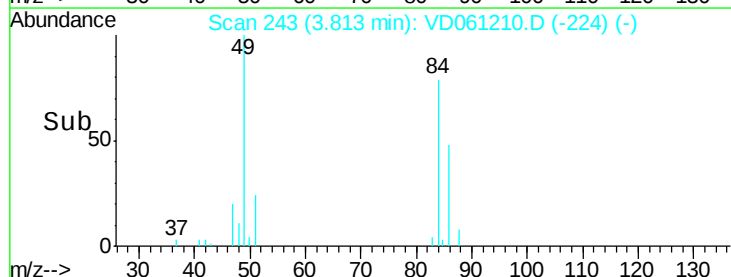
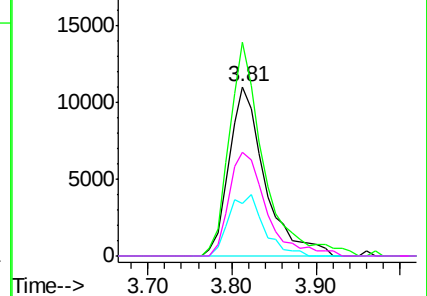


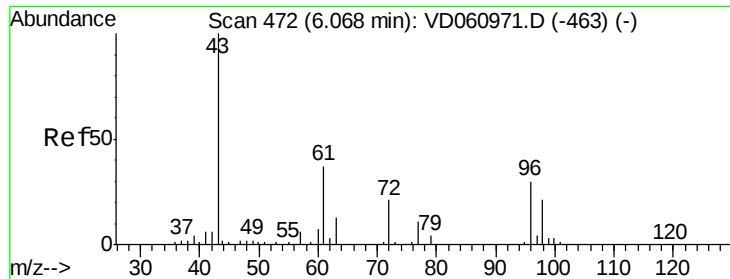
Abundance Ion 83.95 (83.65 to 84.65): VDC

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: 55.823 ug/l

RT: 6.05 min Scan# 470

Delta R.T. -0.02 min

Lab File: VD061210.D

Acq: 20 Mar 2019 16:13

Instrument :

MSVOA_D

ClientSampleId :

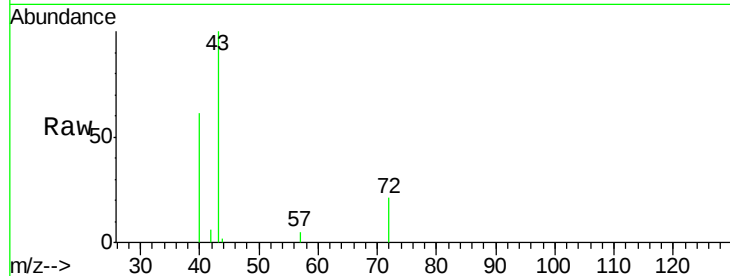
20190133-LOC-10RE

Tot Ion: 43 Resp: 70395

Ion Ratio Lower Upper

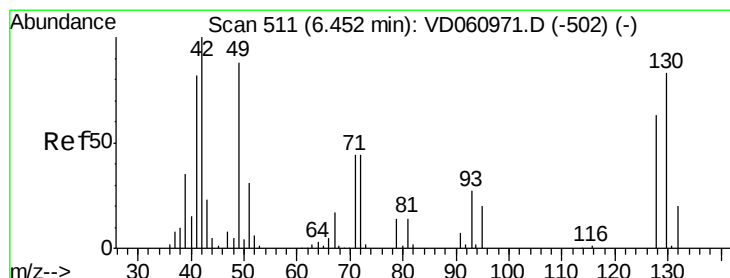
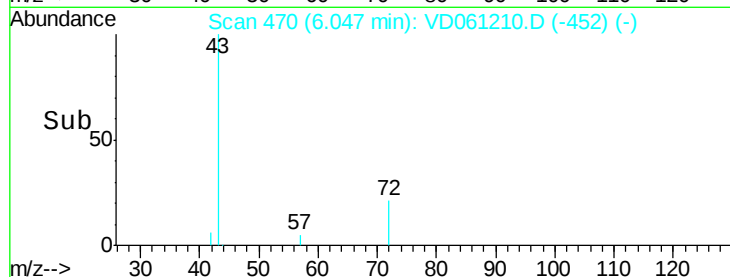
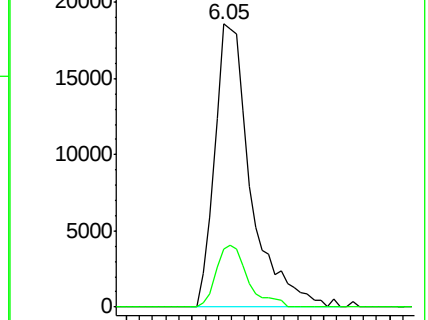
43 100

72 20.6 16.7 25.1



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 72.00 (71.70 to 72.70): VDC



#29

Tetrahydrofuran

Concen: 1.316 ug/l

RT: 6.43 min Scan# 509

Delta R.T. -0.02 min

Lab File: VD061210.D

Acq: 20 Mar 2019 16:13

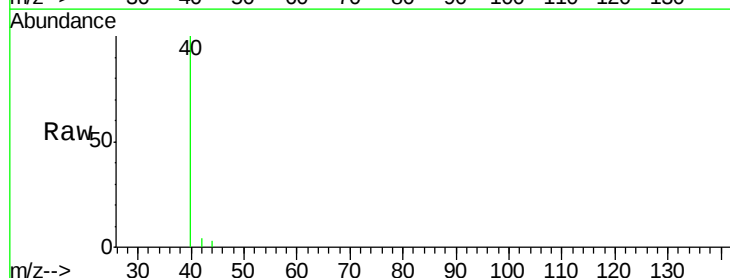
Tgt Ion: 42 Resp: 901

Ion Ratio Lower Upper

42 100

72 0.0 34.5 51.7#

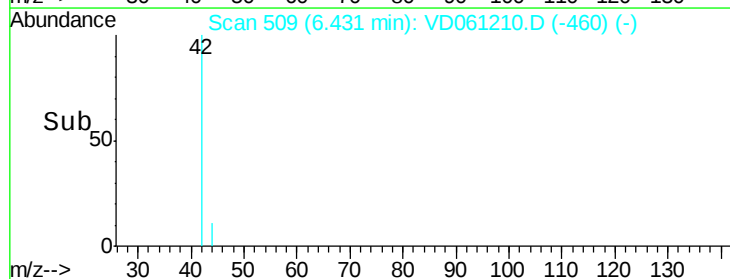
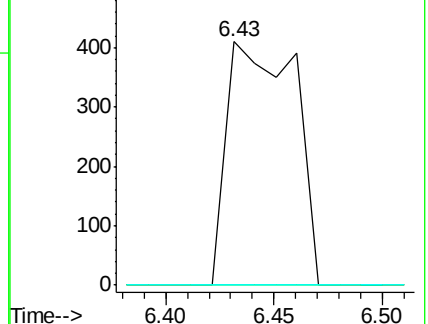
71 0.0 33.8 50.6#

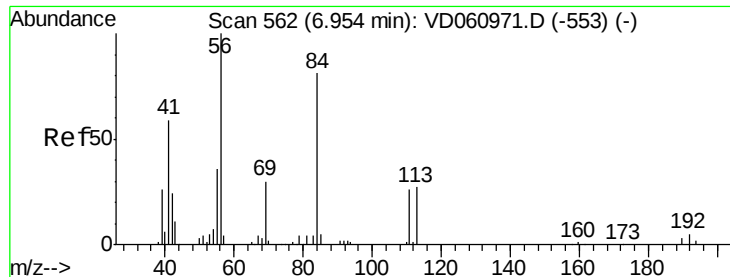


Abundance Ion 42.00 (41.70 to 42.70): VDC

Ion 72.00 (71.70 to 72.70): VDC

Ion 71.00 (70.70 to 71.70): VDC

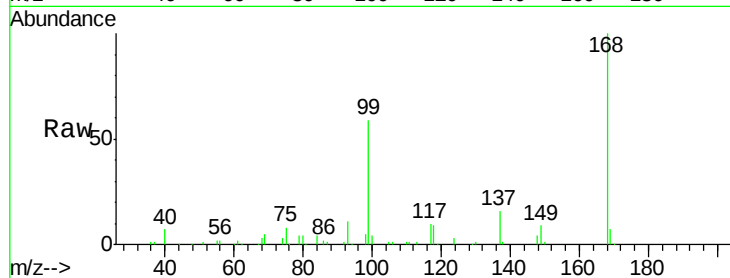




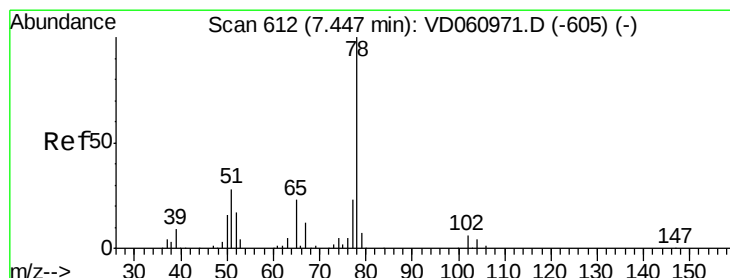
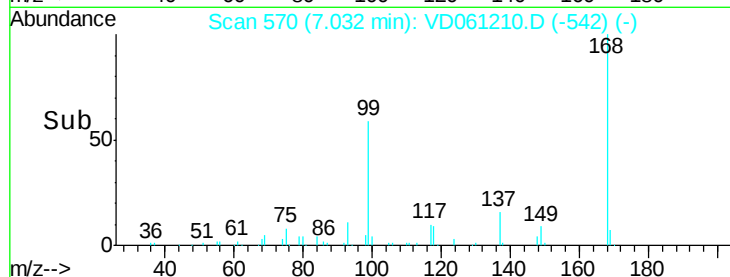
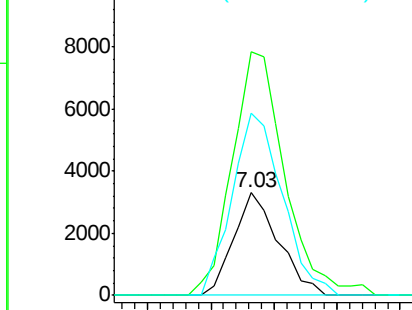
#31
Cyclohexane
Concen: 1.179 ug/l
RT: 7.03 min Scan# 570
Delta R.T. 0.08 min
Lab File: VD061210.D
Acq: 20 Mar 2019 16:13

Instrument :
MSVOA_D
ClientSampleId :
20190133-LOC-10RE

Tot Ion: 56 Resp: 8107
Ion Ratio Lower Upper
56 100
69 237.5 24.0 36.0#
84 178.1 65.8 98.6#

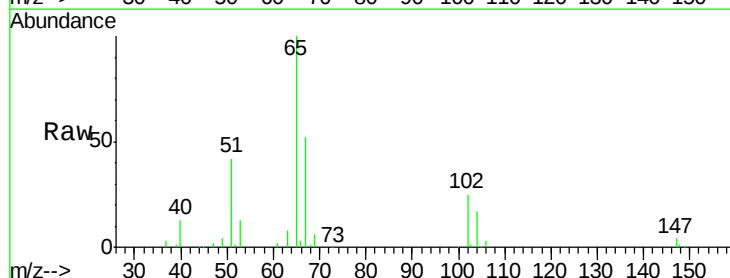


Abundance Ion 55.95 (55.65 to 56.65): VDC
Ion 69.00 (68.70 to 69.70): VDC
Ion 84.05 (83.75 to 84.75): VDC

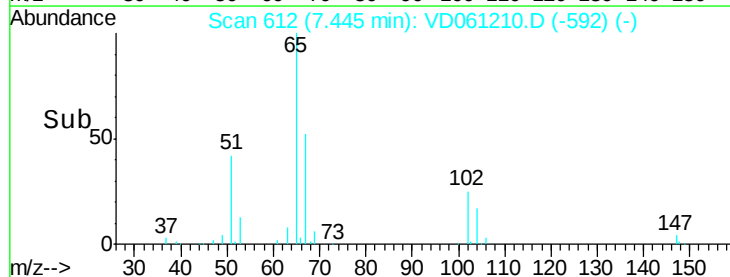
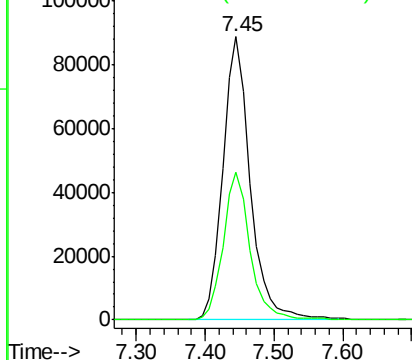


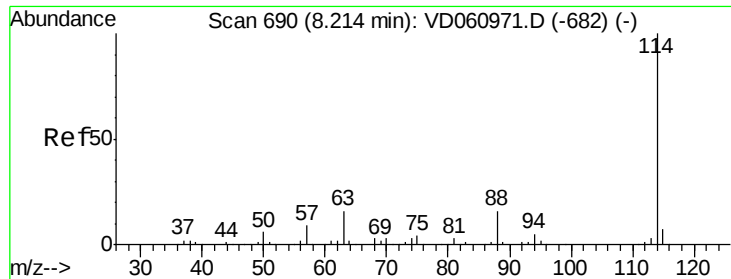
#33
1,2-Dichloroethane-d4
Concen: N.D. ug/l
RT: 7.45 min Scan# 612
Delta R.T. -0.00 min
Lab File: VD061210.D
Acq: 20 Mar 2019 16:13

Tgt Ion: 65 Resp: 243884
Ion Ratio Lower Upper
65 100
67 52.3 0.0 105.2



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

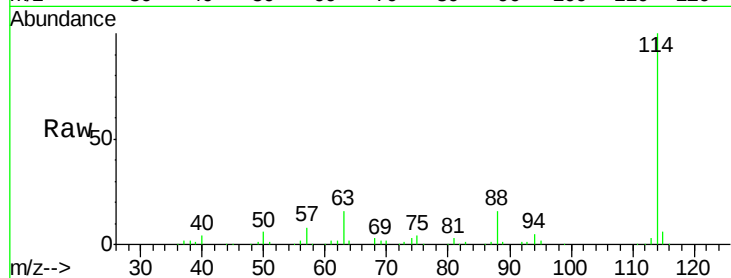




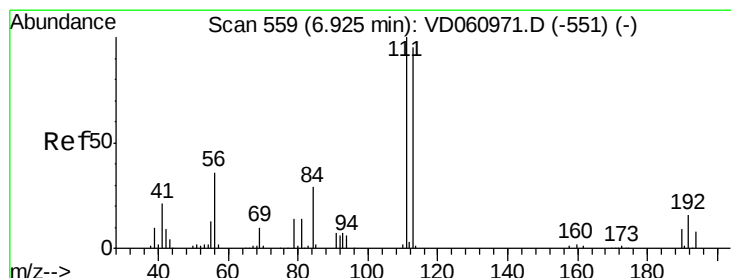
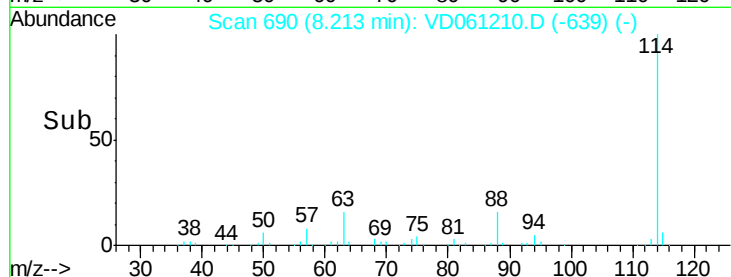
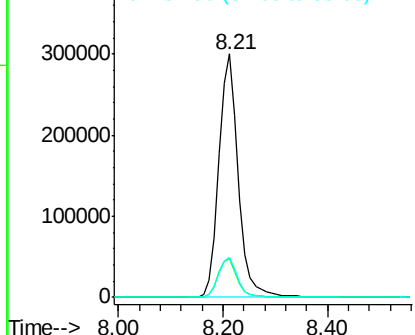
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.21 min Scan# 690
Delta R.T. -0.00 min
Lab File: VD061210.D
Acq: 20 Mar 2019 16:13

Instrument :
MSVOA_D
ClientSampleId :
20190133-LOC-10RE

Tot Ion:114 Resp: 776057
Ion Ratio Lower Upper
114 100
63 15.7 0.0 31.4
88 16.2 0.0 33.0

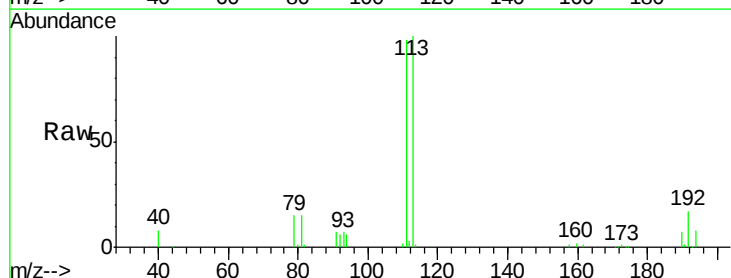


Abundance Ion 114.00 (113.70 to 114.70): V
Ion 62.95 (62.65 to 63.65): V
Ion 87.90 (87.60 to 88.60): V

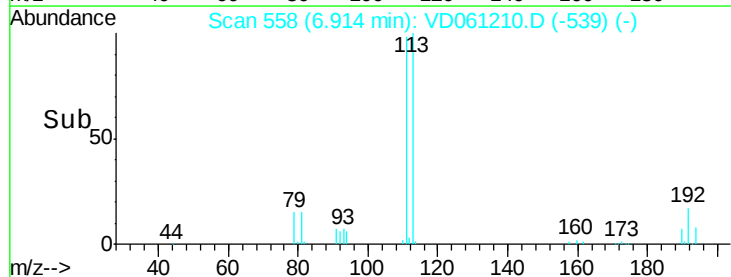
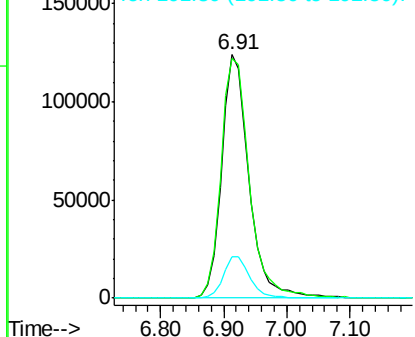


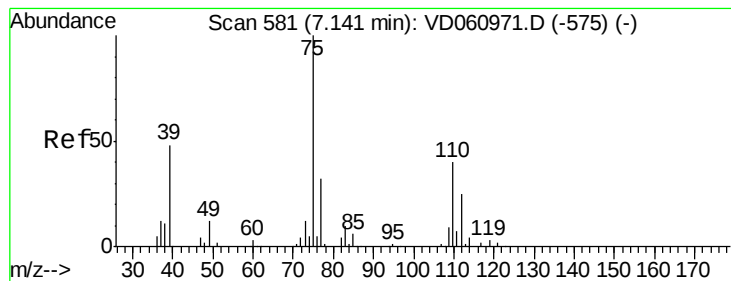
#35
Dibromofluoromethane
Concen: 50.000 ug/l
RT: 6.91 min Scan# 558
Delta R.T. -0.01 min
Lab File: VD061210.D
Acq: 20 Mar 2019 16:13

Tgt Ion:113 Resp: 371725
Ion Ratio Lower Upper
113 100
111 98.2 84.2 126.4
192 17.0 13.1 19.7



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: 5.060 ug/l

RT: 7.04 min Scan# 571

Delta R.T. -0.10 min

Lab File: VD061210.D

Acq: 20 Mar 2019 16:13

Instrument :

MSVOA_D

ClientSampleId :

20190133-LOC-10RE

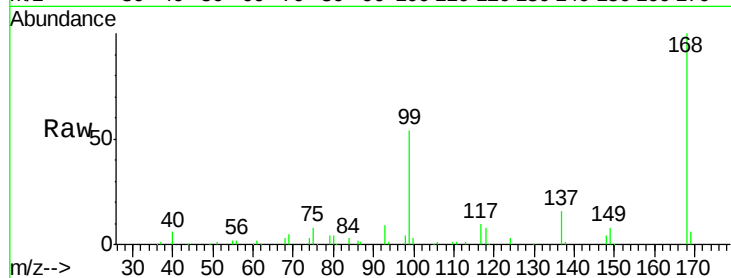
Tot Ion: 75 Resp: 33850

Ion Ratio Lower Upper

75 100

110 9.2 19.7 59.1#

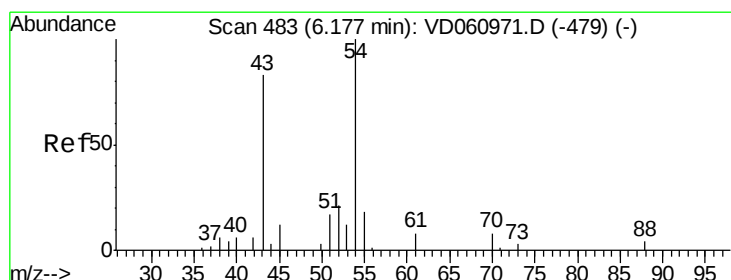
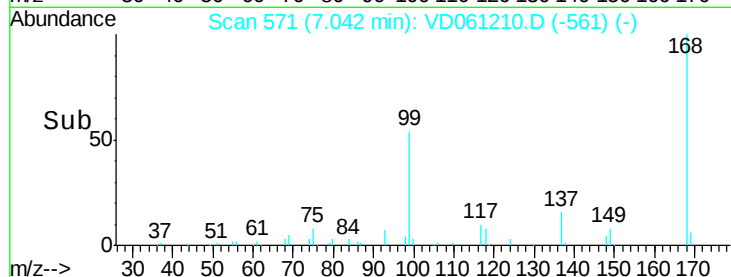
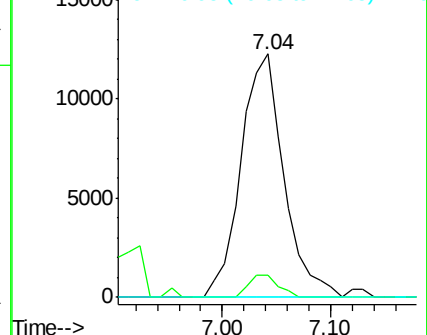
77 0.0 24.7 37.1#



Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 109.90 (109.60 to 110.60): VDC

Ion 76.95 (76.65 to 77.65): VDC



#37

Ethyl Acetate

Concen: 22.425 ug/l

RT: 6.05 min Scan# 470

Delta R.T. -0.13 min

Lab File: VD061210.D

Acq: 20 Mar 2019 16:13

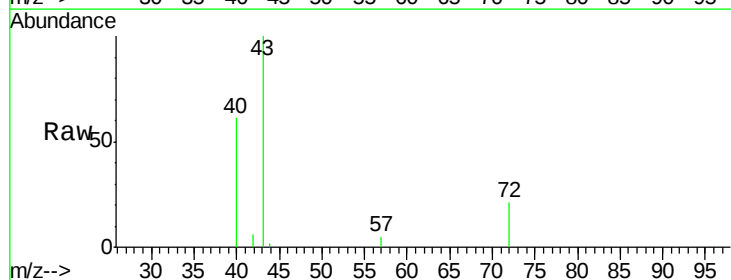
Tgt Ion: 43 Resp: 70395

Ion Ratio Lower Upper

43 100

61 0.0 13.7 20.5#

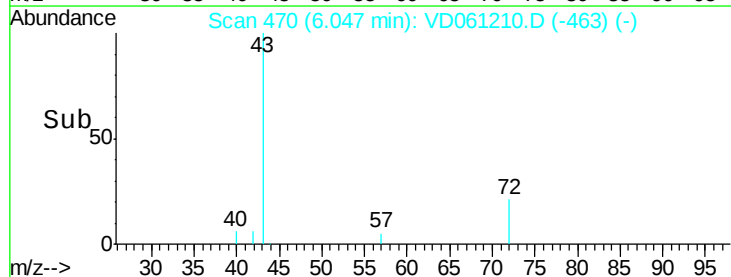
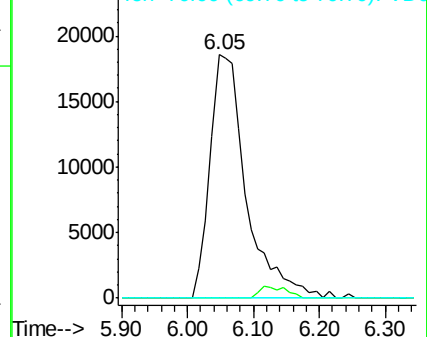
70 0.0 7.1 10.7#

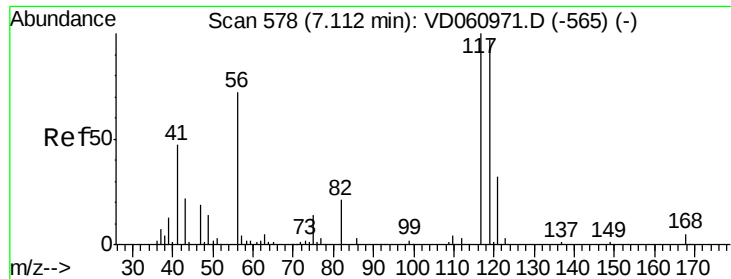


Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 60.95 (60.65 to 61.65): VDC

Ion 70.00 (69.70 to 70.70): VDC





#38

Carbon Tetrachloride

Concen: 5.970 ug/l

RT: 7.04 min Scan# 571

Delta R.T. -0.07 min

Lab File: VD061210.D

Acq: 20 Mar 2019 16:13

Instrument :

MSVOA_D

ClientSampleId :

20190133-LOC-10RE

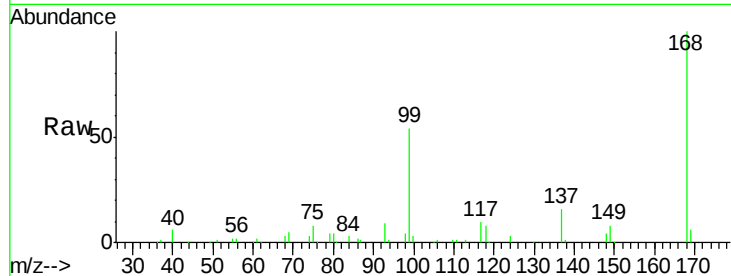
Tot Ion:117 Resp: 43994

Ion Ratio Lower Upper

117 100

119 4.3 77.8 116.8#

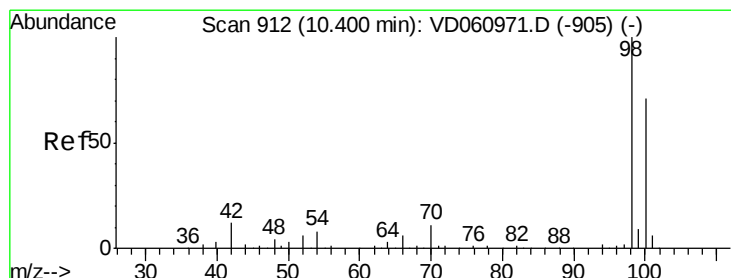
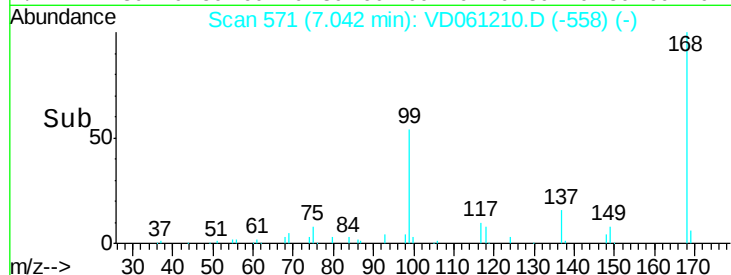
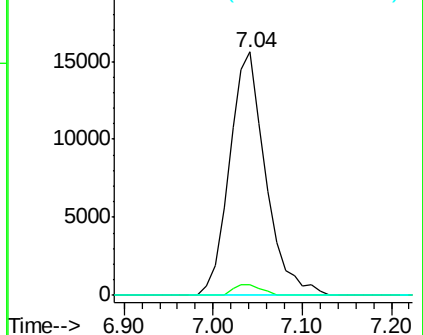
121 0.0 25.3 37.9#



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: N.D. ug/l

RT: 10.40 min Scan# 912

Delta R.T. -0.00 min

Lab File: VD061210.D

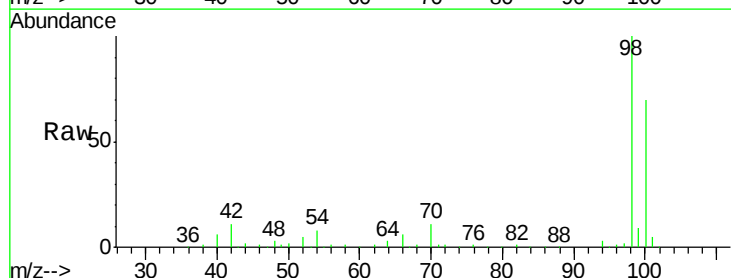
Acq: 20 Mar 2019 16:13

Tgt Ion: 98 Resp: 766831

Ion Ratio Lower Upper

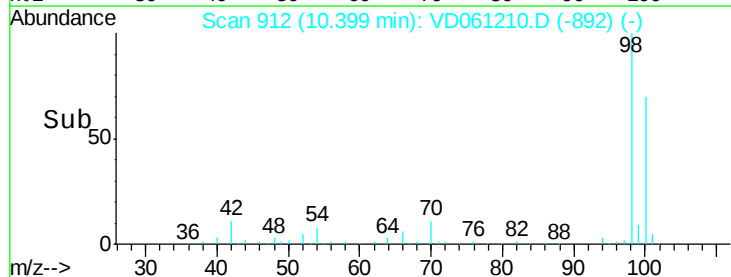
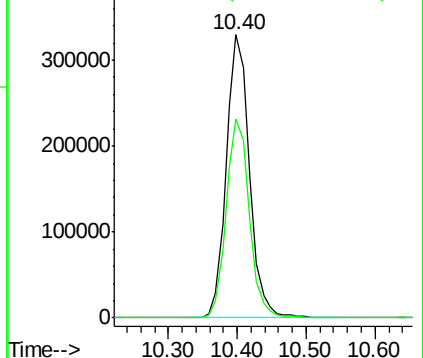
98 100

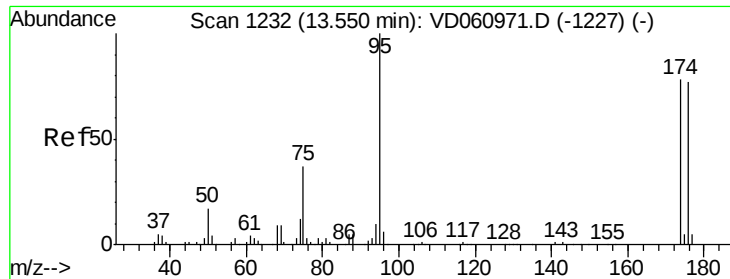
100 70.2 57.4 86.2



Abundance Ion 98.05 (97.75 to 98.75): V

Ion 100.05 (99.75 to 100.75): V





#62

4-Bromofluorobenzene

Concen: N.D. ug/l

RT: 13.55 min Scan# 1232

Delta R.T. -0.00 min

Lab File: VD061210.D

Acq: 20 Mar 2019 16:13

Instrument :

MSVOA_D

ClientSampleId :

20190133-LOC-10RE

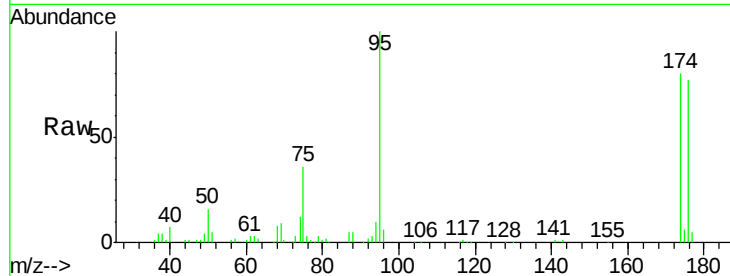
Tot Ion: 95 Resp: 213412

Ion Ratio Lower Upper

95 100

174 79.9 0.0 155.6

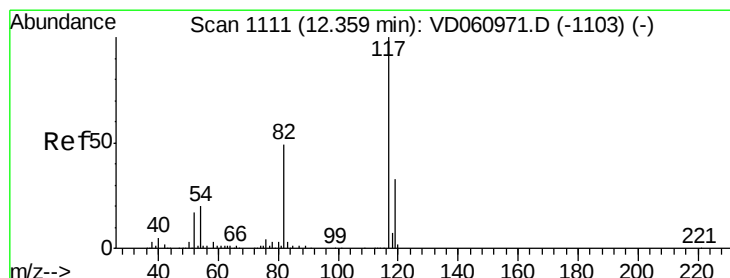
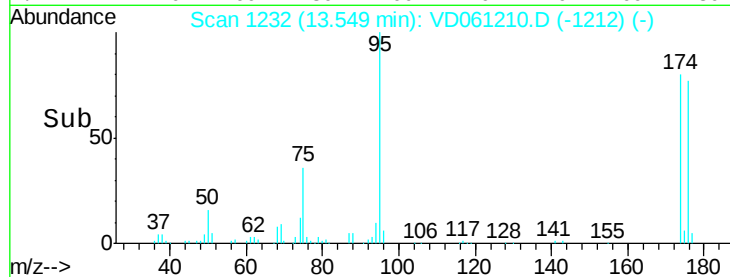
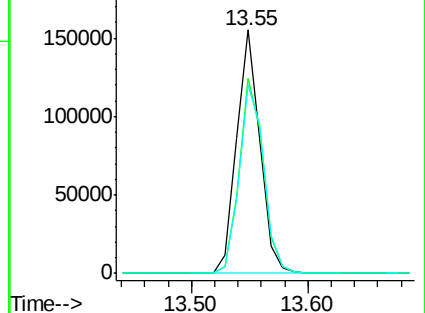
176 77.5 0.0 153.8



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: 12.36 min Scan# 1111

Delta R.T. -0.00 min

Lab File: VD061210.D

Acq: 20 Mar 2019 16:13

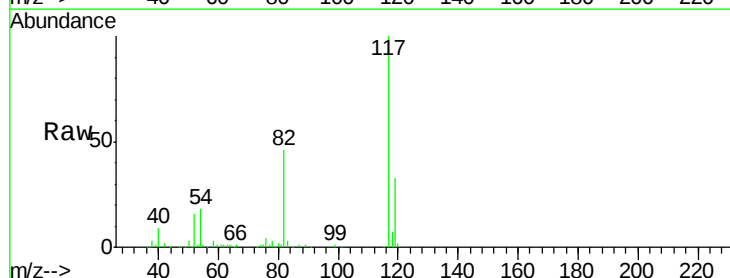
Tgt Ion: 117 Resp: 494926

Ion Ratio Lower Upper

117 100

82 45.9 38.9 58.3

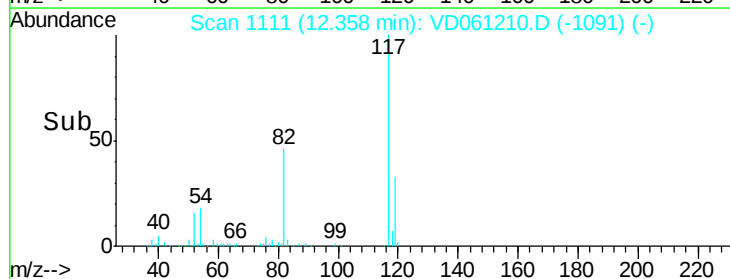
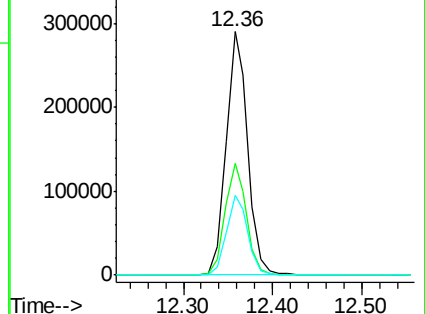
119 32.8 26.6 39.8

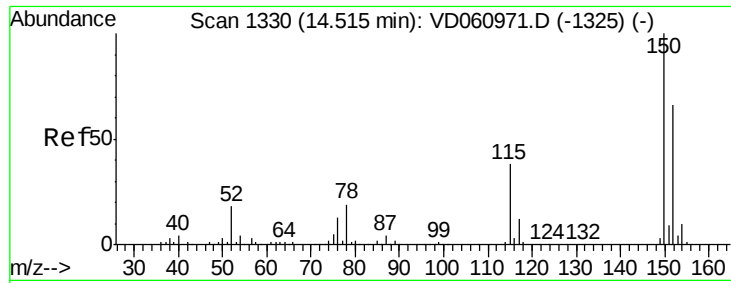


Abundance Ion 116.95 (116.65 to 117.65): V

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# 1330

Delta R.T. -0.00 min

Lab File: VD061210.D

Acq: 20 Mar 2019 16:13

Instrument :

MSVOA_D

ClientSampleId :

20190133-LOC-10RE

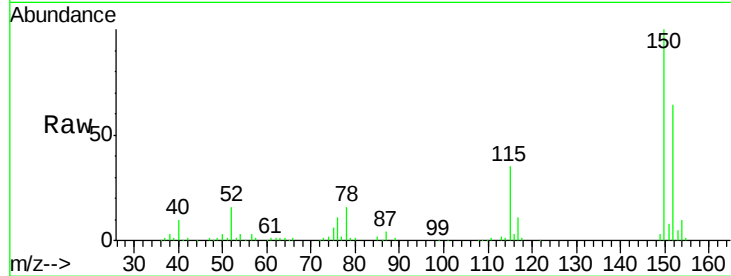
Tot Ion:152 Resp: 133446

Ion Ratio Lower Upper

152 100

115 55.0 28.6 85.9

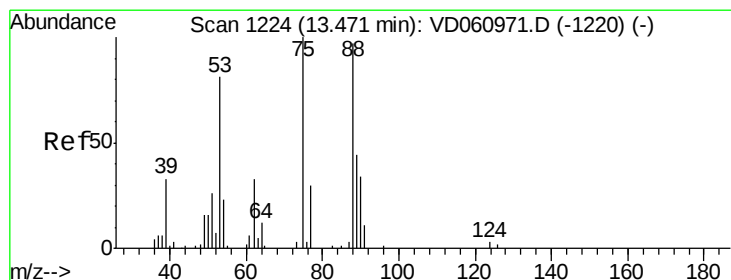
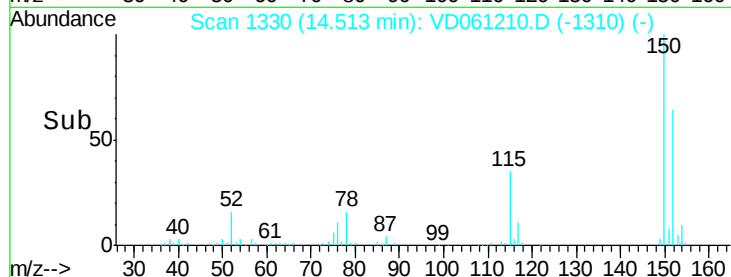
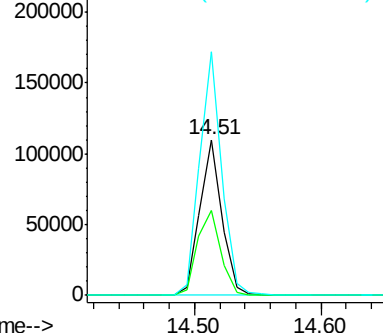
150 156.6 0.0 310.6



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: 133.694 ug/l

RT: 13.55 min Scan# 1232

Delta R.T. 0.08 min

Lab File: VD061210.D

Acq: 20 Mar 2019 16:13

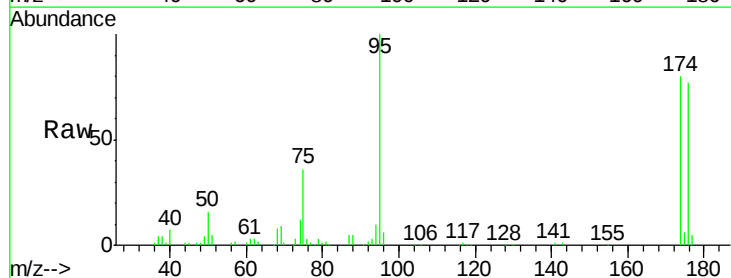
Tgt Ion: 75 Resp: 75673

Ion Ratio Lower Upper

75 100

53 0.0 64.4 96.6#

89 0.0 34.8 52.2#



Abundance Ion 75.00 (74.70 to 75.70): V

Ion 53.00 (52.70 to 53.70): V

Ion 89.00 (88.70 to 89.70): V

