

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD031419\
 Data File : VD061063.D
 Acq On : 14 Mar 2019 14:31
 Operator : VA/AP
 Sample : K1869-01RE
 Misc : 5.78g/5ml/MSVOA D/SOIL
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 SP-1RE

Quant Time: Mar 15 02:11:54 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	7.05	168	653910	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.22	114	1116938	50.00	ug/l	0.00
63) Chlorobenzene-d5	12.37	117	899720	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	14.51	152	415886	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	7.46	65	236798	43.51	ug/l	0.00
Spiked Amount			Recovery	=	87.02%	
35) Dibromofluoromethane	6.92	113	376216	45.39	ug/l	0.00
Spiked Amount			Recovery	=	90.78%	
50) Toluene-d8	10.41	98	917935	44.10	ug/l	0.00
Spiked Amount			Recovery	=	88.20%	
62) 4-Bromofluorobenzene	13.55	95	342624	42.42	ug/l	0.00
Spiked Amount			Recovery	=	84.84%	

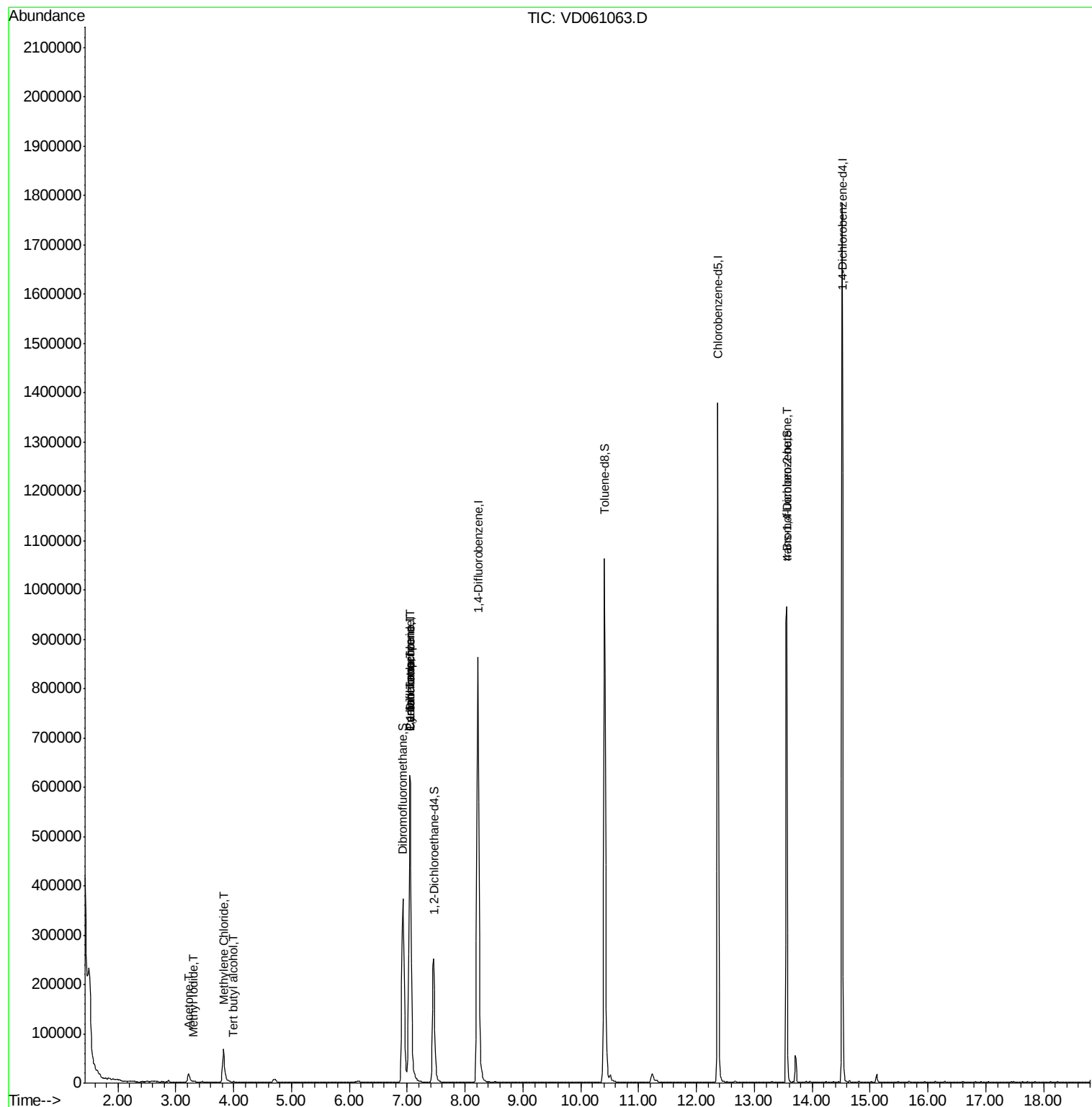
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	2.19	94	197	Below Cal	#	8
10) Methyl Iodide	3.32	142	910	3.011	ug/l #	39
11) Tert butyl alcohol	4.00	59	547	1.579	ug/l #	75
16) Acetone	3.22	43	35856	23.036	ug/l	93
20) Methylene Chloride	3.82	84	49844	2.602	ug/l	88
31) Cyclohexane	7.04	56	11246	1.168	ug/l #	1
36) 1,1-Dichloropropene	7.04	75	46506	4.830	ug/l #	45
38) Carbon Tetrachloride	7.04	117	62001	5.846	ug/l #	14
81) trans-1,4-Dichloro-2-buten	13.55	75	125510	71.151	ug/l #	17

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

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QLast Update : Fri Mar 08 02:35:39 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.05 min Scan# 572

Delta R.T. 0.01 min

Lab File: VD061063.D

Acq: 14 Mar 2019 14:31

Instrument :

MSVOA_D

ClientSampleId :

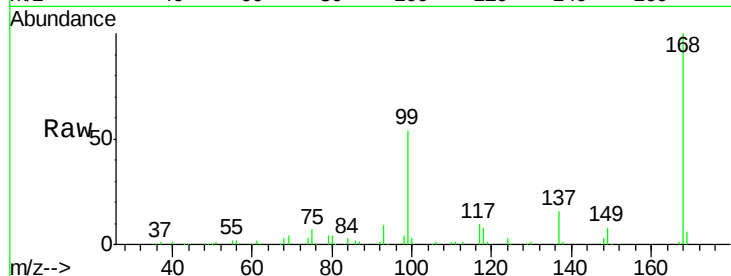
SP-1RE

Tot Ion:168 Resp: 653910

Ion Ratio Lower Upper

168 100

99 54.3 47.3 70.9



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): V

7.05

250000

200000

150000

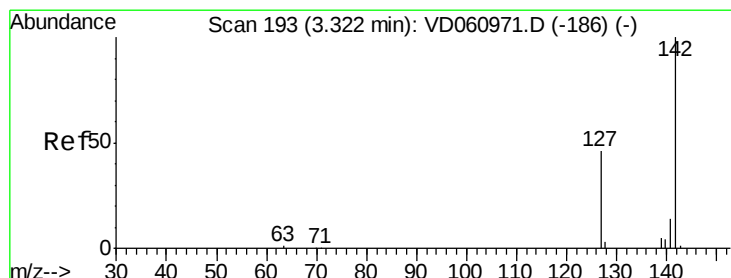
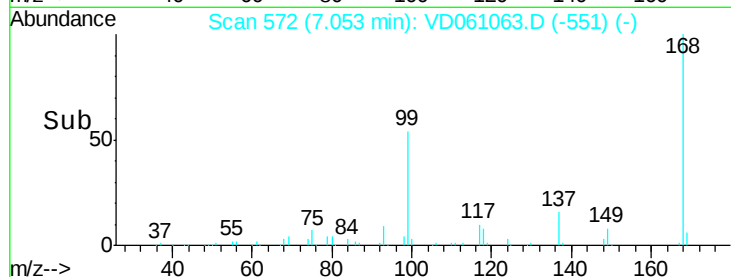
100000

50000

0

Time-->

6.90 7.00 7.10 7.20



#10

Methyl Iodide

Concen: 3.011 ug/l

RT: 3.32 min Scan# 193

Delta R.T. 0.00 min

Lab File: VD061063.D

Acq: 14 Mar 2019 14:31

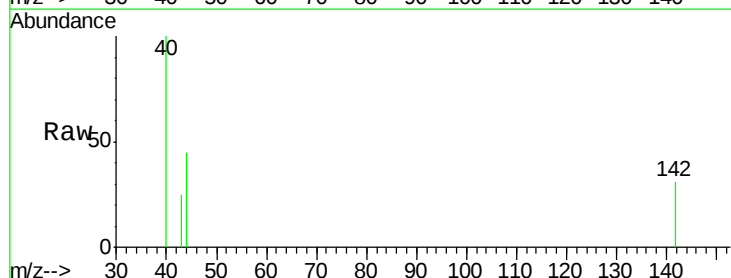
Tgt Ion:142 Resp: 910

Ion Ratio Lower Upper

142 100

127 0.0 36.8 55.2#

141 0.0 11.2 16.8#



Abundance Ion 141.85 (141.55 to 142.55): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.85 (140.55 to 141.55): V

3.32

600

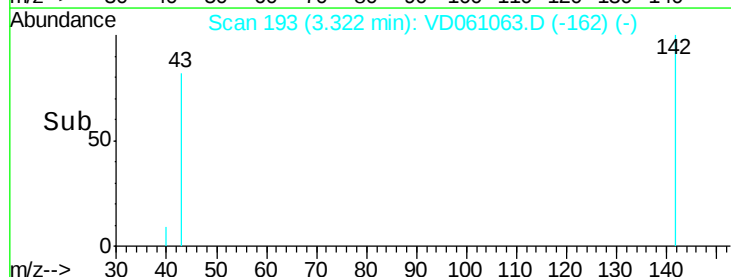
400

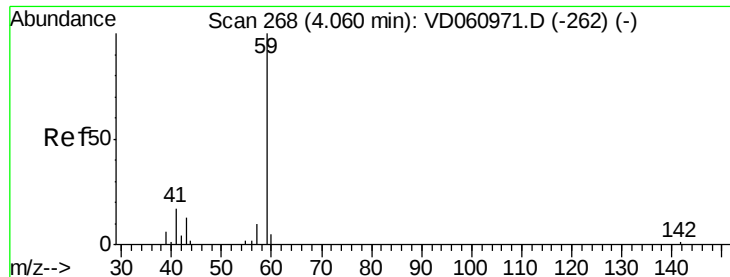
200

0

Time-->

3.30 3.35





#11

Tert butyl alcohol

Concen: 1.579 ug/l

RT: 4.00 min Scan# 262

Delta R.T. -0.06 min

Lab File: VD061063.D

Acq: 14 Mar 2019 14:31

Instrument :

MSVOA_D

ClientSampleId :

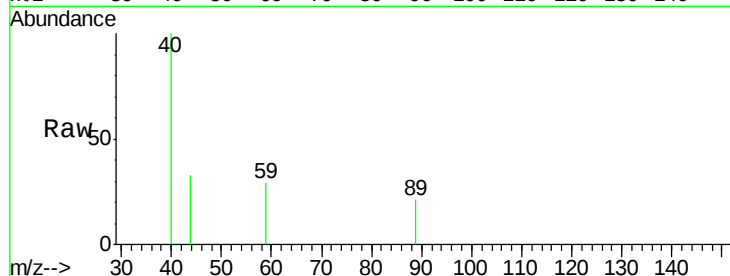
SP-1RE

Tot Ion: 59 Resp: 547

Ion Ratio Lower Upper

59 100

57 0.0 7.1 10.7#



Abundance Ion 58.95 (58.65 to 59.65): VDC

Ion 56.95 (56.65 to 57.65): VDC

4.00

500

400

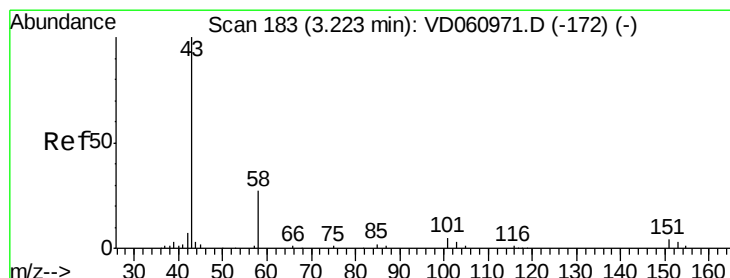
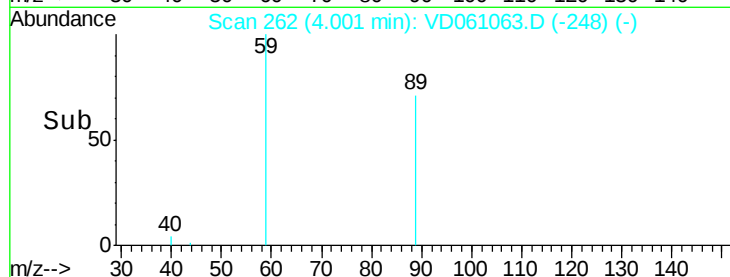
300

200

100

0

Time-->



#16

Acetone

Concen: 23.036 ug/l

RT: 3.22 min Scan# 183

Delta R.T. 0.00 min

Lab File: VD061063.D

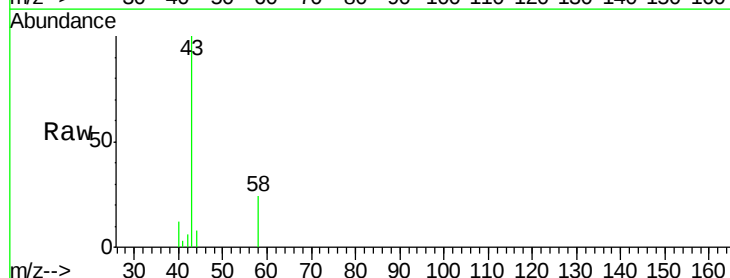
Acq: 14 Mar 2019 14:31

Tgt Ion: 43 Resp: 35856

Ion Ratio Lower Upper

43 100

58 23.6 21.6 32.4



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC

3.22

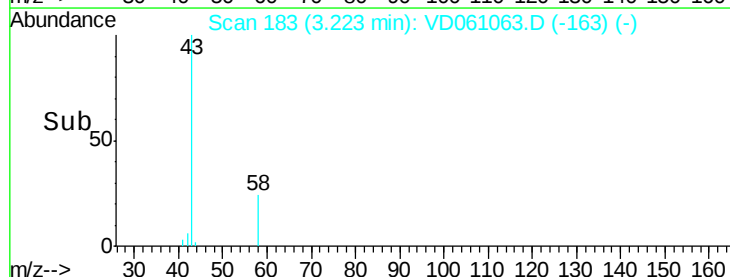
15000

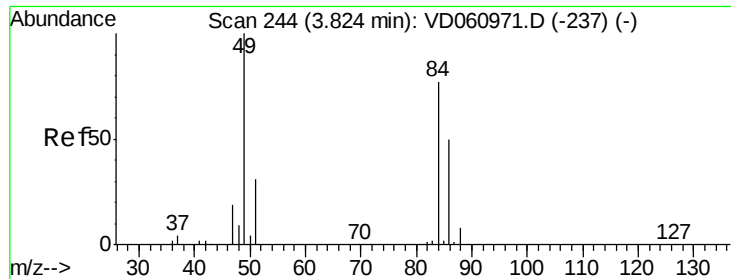
10000

5000

0

Time-->

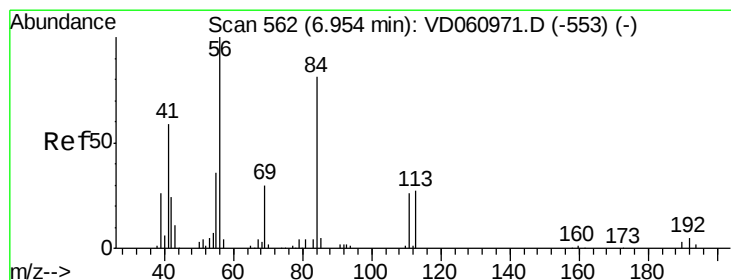
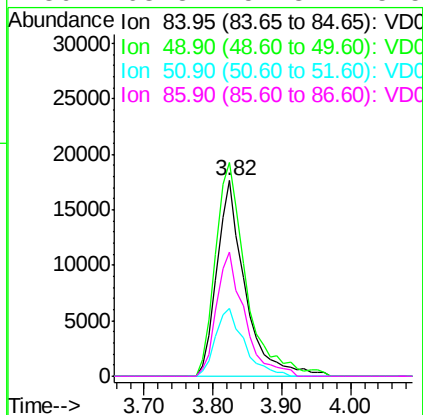
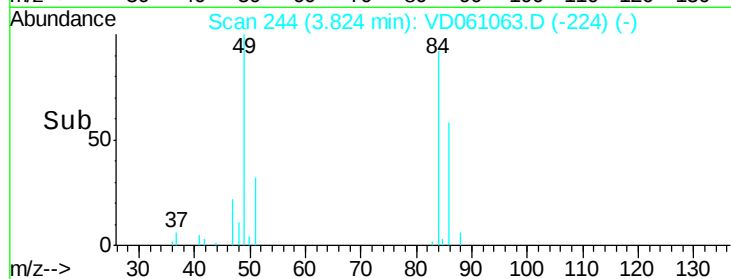
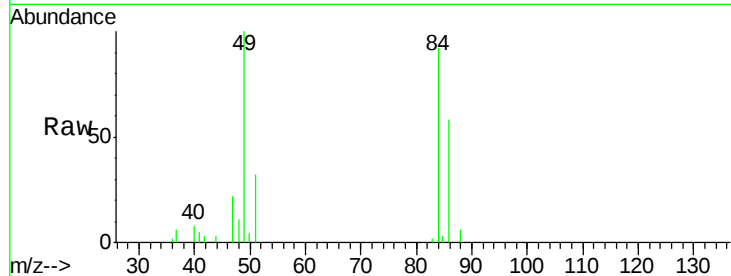




#20
Methylene Chloride
Concen: 2.602 ug/l
RT: 3.82 min Scan# 244
Delta R.T. 0.00 min
Lab File: VD061063.D
Acq: 14 Mar 2019 14:31

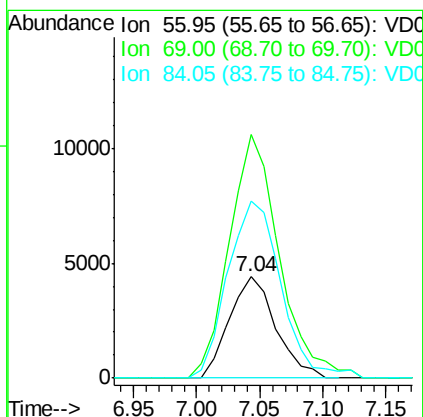
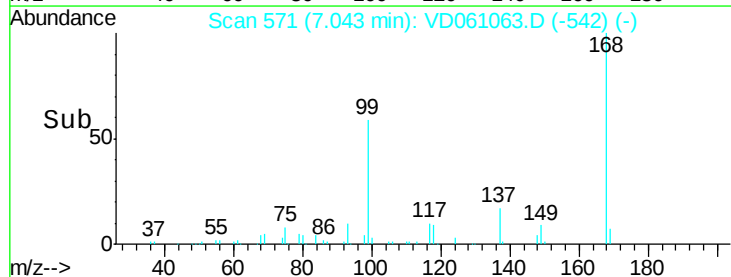
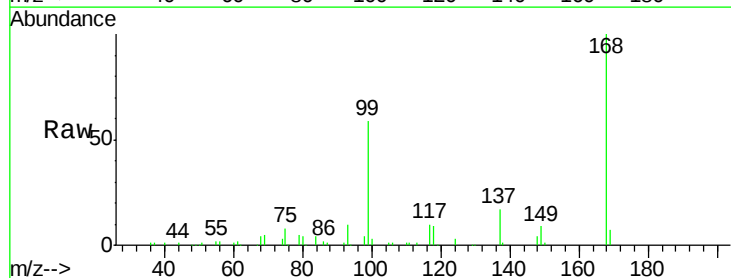
Instrument :
MSVOA_D
ClientSampleId :
SP-1RE

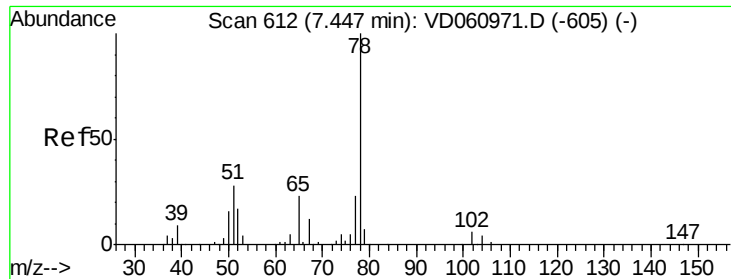
Tot Ion:	84	Resp:	49844
Ion	Ratio	Lower	Upper
84	100		
49	109.2	104.2	156.2
51	34.7	32.3	48.5
86	63.8	52.3	78.5



#31
Cyclohexane
Concen: 1.168 ug/l
RT: 7.04 min Scan# 571
Delta R.T. 0.09 min
Lab File: VD061063.D
Acq: 14 Mar 2019 14:31

Tgt Ion:	56	Resp:	11246
Ion	Ratio	Lower	Upper
56	100		
69	240.8	24.0	36.0#
84	175.3	65.8	98.6#





#33

1,2-Dichloroethane-d4

Concen: N.D. ug/l

RT: 7.46 min Scan# 613

Delta R.T. 0.01 min

Lab File: VD061063.D

Acq: 14 Mar 2019 14:31

Instrument :

MSVOA_D

ClientSampleId :

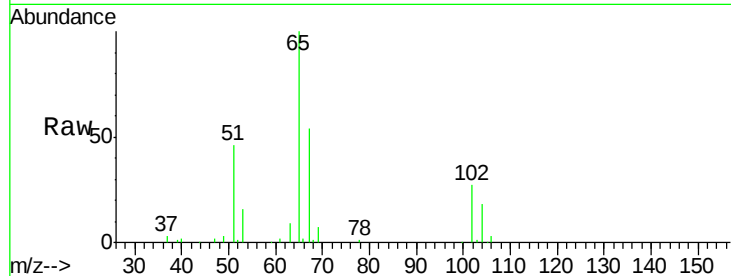
SP-1RE

Tot Ion: 65 Resp: 236798

Ion Ratio Lower Upper

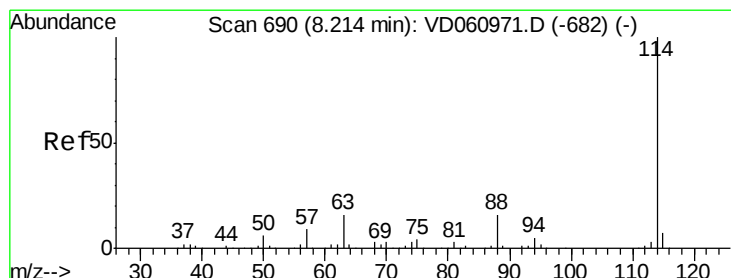
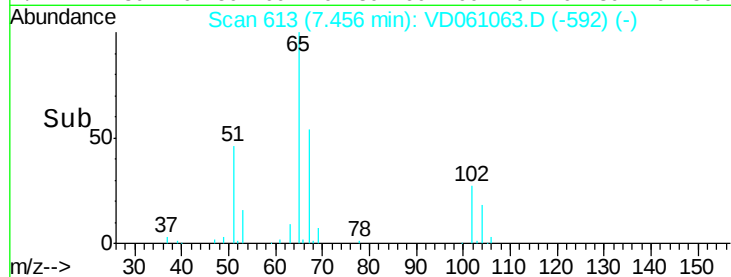
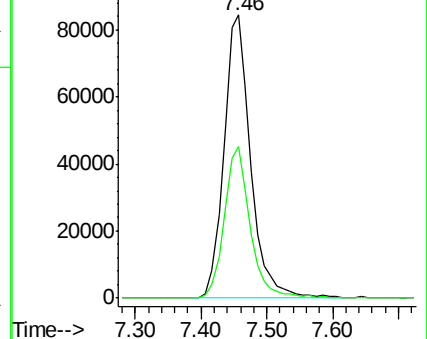
65 100

67 53.6 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: 8.22 min Scan# 691

Delta R.T. 0.01 min

Lab File: VD061063.D

Acq: 14 Mar 2019 14:31

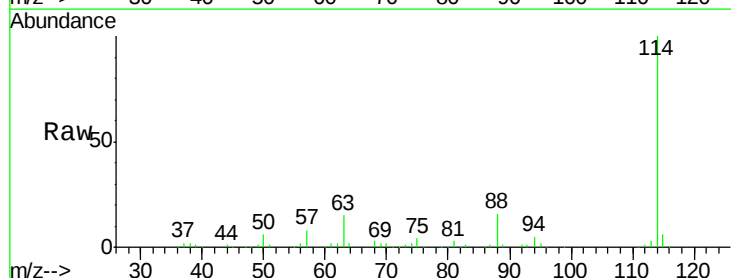
Tgt Ion:114 Resp: 1116938

Ion Ratio Lower Upper

114 100

63 15.5 0.0 31.4

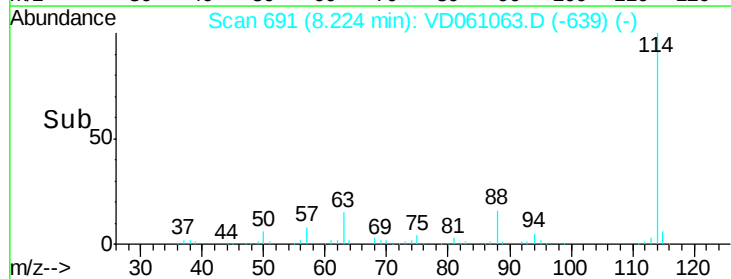
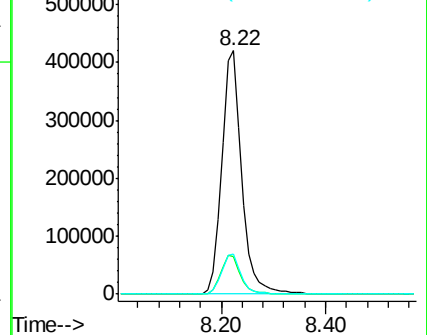
88 16.5 0.0 33.0

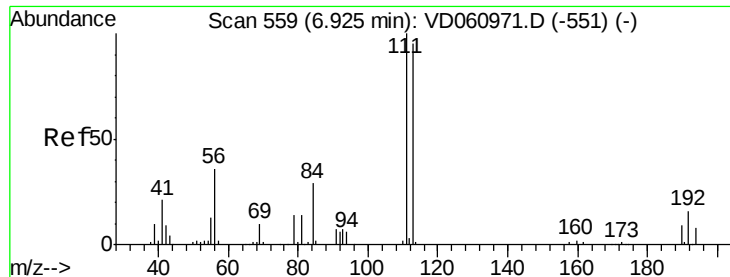


Abundance Ion 114.00 (113.70 to 114.70): V

Ion 62.95 (62.65 to 63.65): VDC

Ion 87.90 (87.60 to 88.60): VDC

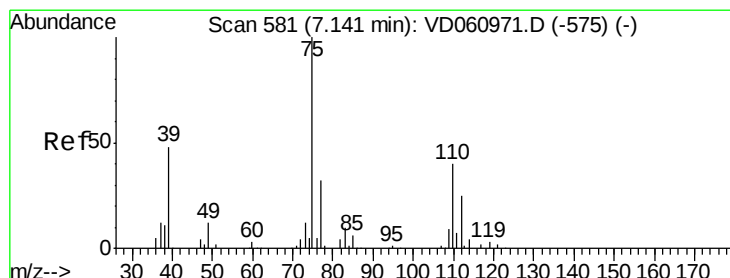
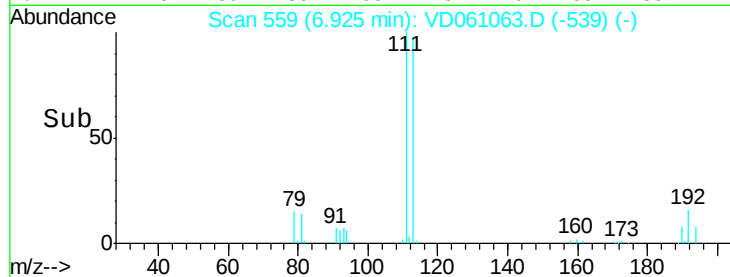
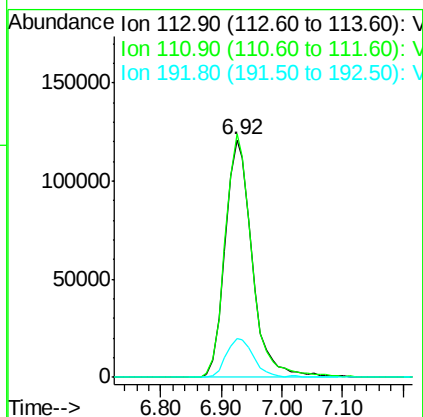
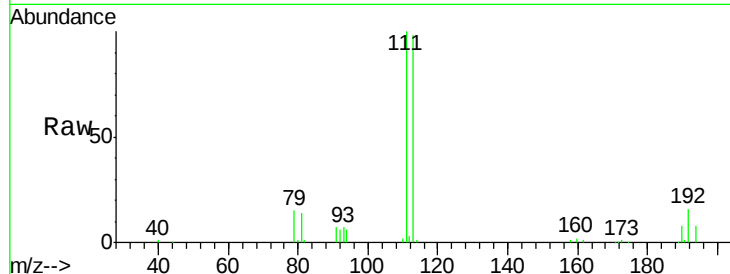




#35
 Dibromofluoromethane
 Concen: 50.000 ug/l
 RT: 6.92 min Scan# 559
 Delta R.T. 0.00 min
 Lab File: VD061063.D
 Acq: 14 Mar 2019 14:31

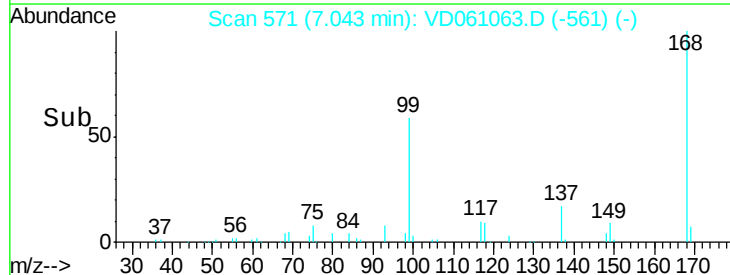
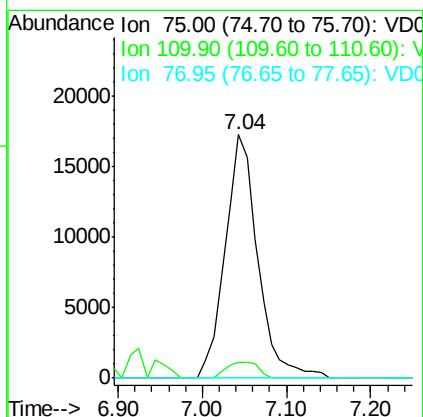
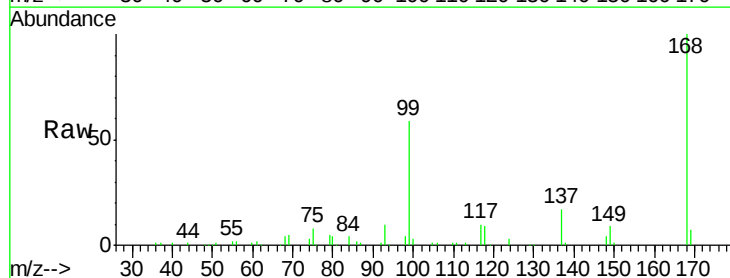
Instrument :
 MSVOA_D
 ClientSampleId :
 SP-1RE

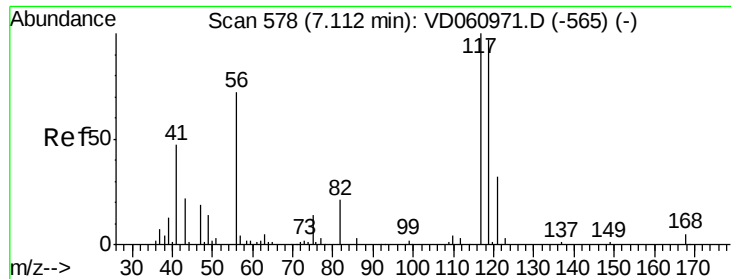
Tot Ion	Ratio	Lower	Upper
113	100		
111	102.5	84.2	126.4
192	16.1	13.1	19.7



#36
 1,1-Dichloropropene
 Concen: 4.830 ug/l
 RT: 7.04 min Scan# 571
 Delta R.T. -0.10 min
 Lab File: VD061063.D
 Acq: 14 Mar 2019 14:31

Tgt Ion	Ratio	Lower	Upper
75	100		
110	6.7	19.7	59.1#
77	0.0	24.7	37.1#

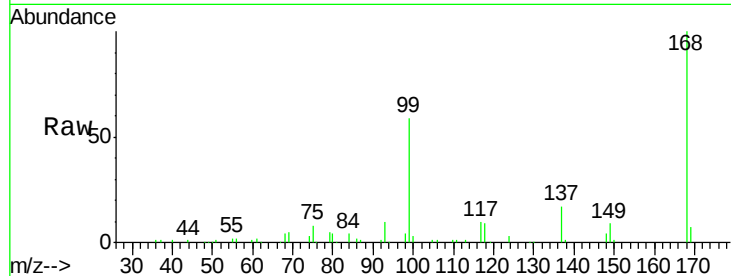




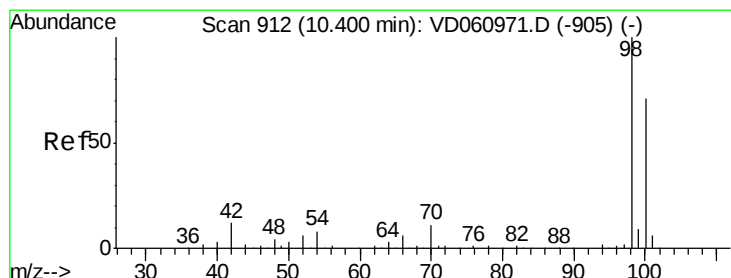
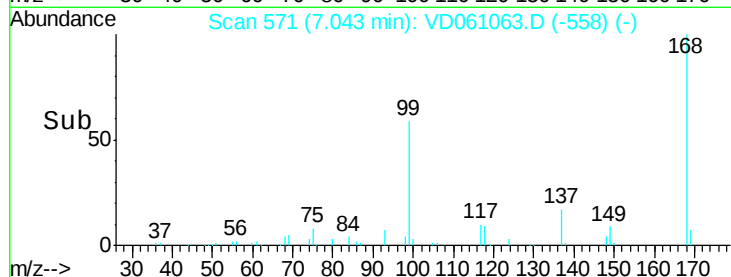
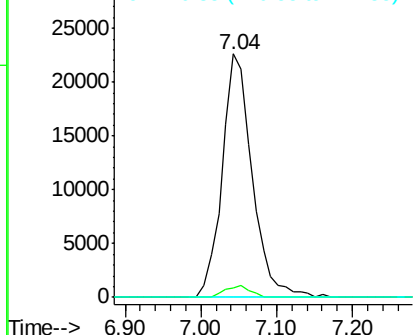
#38
Carbon Tetrachloride
Concen: 5.846 ug/l
RT: 7.04 min Scan# 571
Delta R.T. -0.07 min
Lab File: VD061063.D
Acq: 14 Mar 2019 14:31

Instrument :
MSVOA_D
ClientSampled :
SP-1RE

Tot Ion:117 Resp: 62001
Ion Ratio Lower Upper
117 100
119 4.0 77.8 116.8#
121 0.0 25.3 37.9#

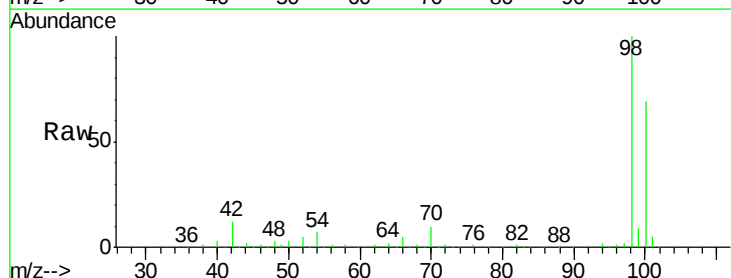


Abundance Ion 116.85 (116.55 to 117.55): V
Ion 118.85 (118.55 to 119.55): V
Ion 120.85 (120.55 to 121.55): V

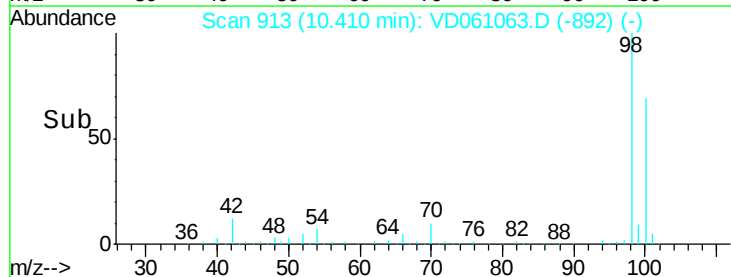
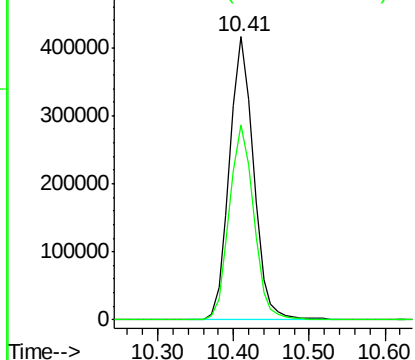


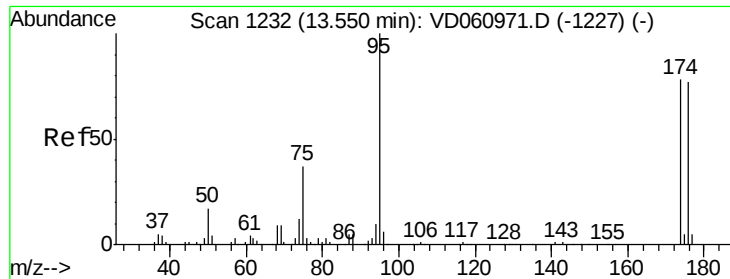
#50
Toluene-d8
Concen: N.D. ug/l
RT: 10.41 min Scan# 913
Delta R.T. 0.01 min
Lab File: VD061063.D
Acq: 14 Mar 2019 14:31

Tgt Ion: 98 Resp: 917935
Ion Ratio Lower Upper
98 100
100 68.8 57.4 86.2



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: 13.55 min Scan# 1232

Delta R.T. 0.00 min

Lab File: VD061063.D

Acq: 14 Mar 2019 14:31

Instrument :

MSVOA_D

ClientSampleId :

SP-1RE

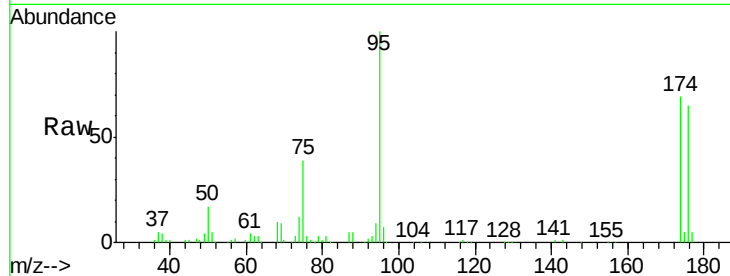
Tot Ion: 95 Resp: 342624

Ion Ratio Lower Upper

95 100

174 69.5 0.0 155.6

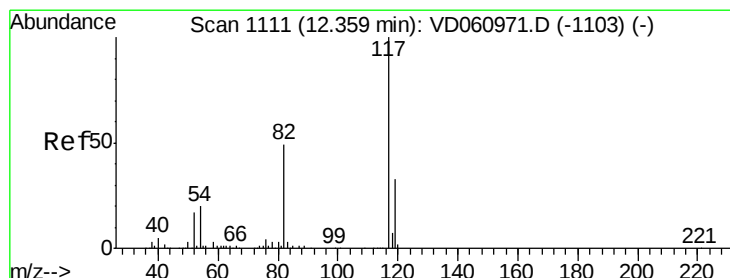
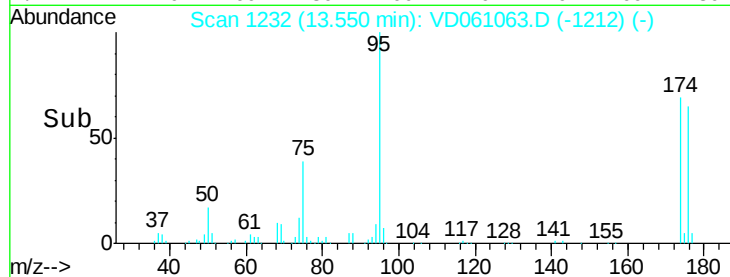
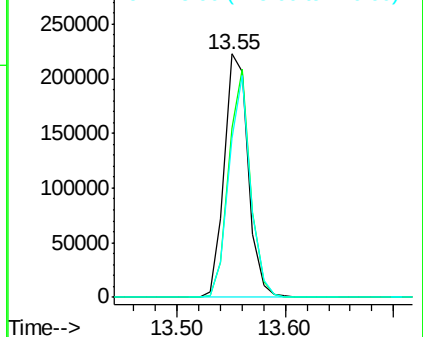
176 65.3 0.0 153.8



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: 12.37 min Scan# 1112

Delta R.T. 0.01 min

Lab File: VD061063.D

Acq: 14 Mar 2019 14:31

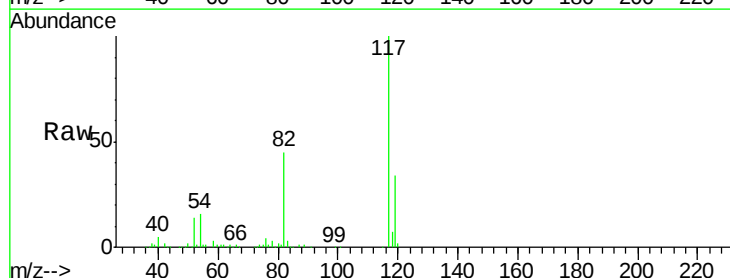
Tgt Ion: 117 Resp: 899720

Ion Ratio Lower Upper

117 100

82 45.0 38.9 58.3

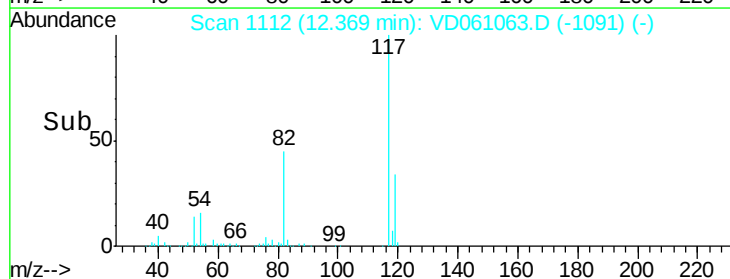
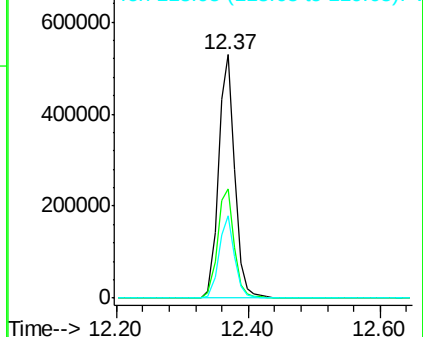
119 33.8 26.6 39.8

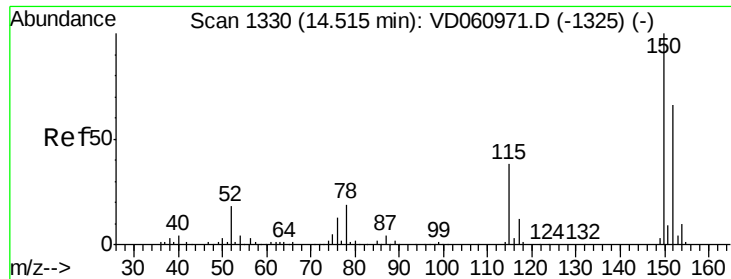


Abundance Ion 116.95 (116.65 to 117.65): V

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: VD061063.D

Acq: 14 Mar 2019 14:31

Instrument :

MSVOA_D

ClientSampleId :

SP-1RE

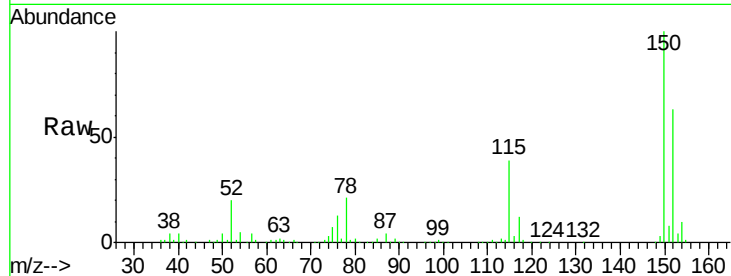
Tot Ion:152 Resp: 415886

Ion Ratio Lower Upper

152 100

115 62.0 28.6 85.9

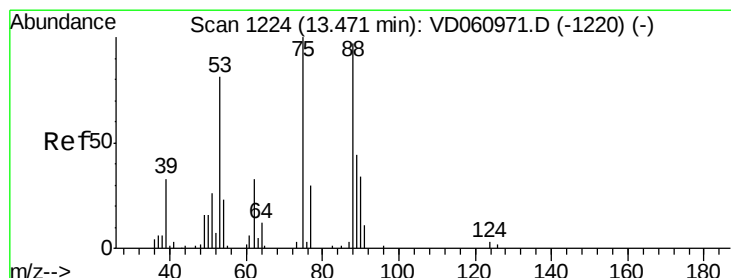
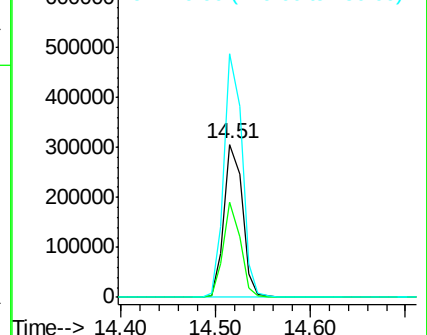
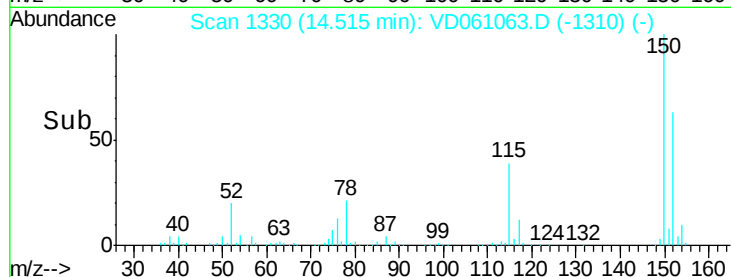
150 158.9 0.0 310.6



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: 71.151 ug/l

RT: 13.55 min Scan# 1232

Delta R.T. 0.08 min

Lab File: VD061063.D

Acq: 14 Mar 2019 14:31

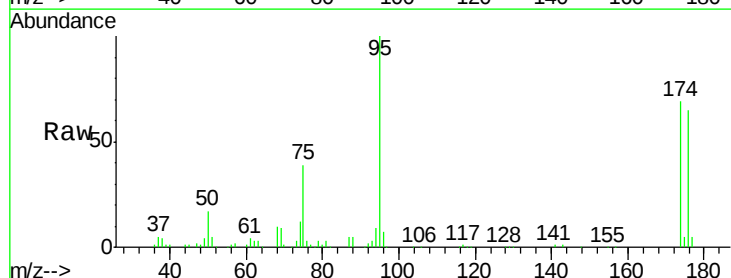
Tgt Ion: 75 Resp: 125510

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): VDC

Ion 53.00 (52.70 to 53.70): VDC

Ion 89.00 (88.70 to 89.70): VDC

