

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD031819\
 Data File : VD061156.D
 Acq On : 18 Mar 2019 20:14
 Operator : VA/AP
 Sample : K1697-11
 Misc : 6.36g/5ml/MSVOA D/SOIL
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Mar 19 02:18:46 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	502486	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.21	114	885345	50.00	ug/l	0.00
63) Chlorobenzene-d5	12.36	117	439510	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	14.51	152	245532	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	7.44	65	239791	57.33	ug/l	0.00
Spiked Amount			Recovery	=	114.66%	
35) Dibromofluoromethane	6.92	113	371756	56.58	ug/l	0.00
Spiked Amount			Recovery	=	113.16%	
50) Toluene-d8	10.39	98	157150	9.52	ug/l	0.00
Spiked Amount			Recovery	=	19.04%	
62) 4-Bromofluorobenzene	13.54	95	256863	40.12	ug/l	0.00
Spiked Amount			Recovery	=	80.24%	

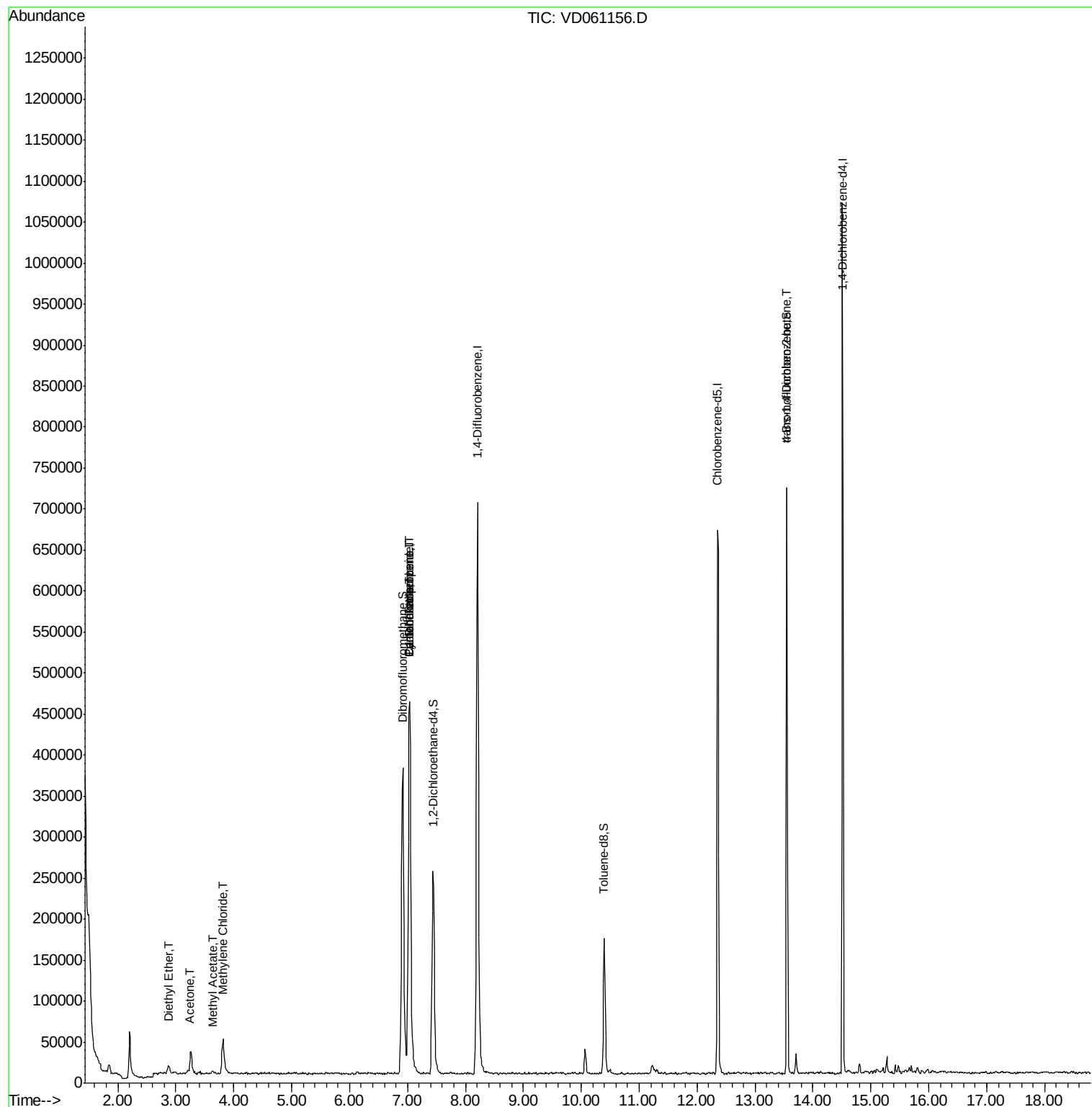
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	2.18	94	202	Below Cal	#	8
8) Diethyl Ether	2.87	74	3927	2.163	ug/l	75
16) Acetone	3.23	43	7855	6.567	ug/l #	75
18) Methyl Acetate	3.63	43	4602	1.955	ug/l	100
20) Methylene Chloride	3.82	84	31934	1.314	ug/l #	85
31) Cyclohexane	7.03	56	8173	1.104	ug/l #	1
36) 1,1-Dichloropropene	7.03	75	36472	4.779	ug/l #	46
38) Carbon Tetrachloride	7.03	117	48717	5.795	ug/l #	15
81) trans-1,4-Dichloro-2-buten	13.54	75	92604	88.920	ug/l #	17

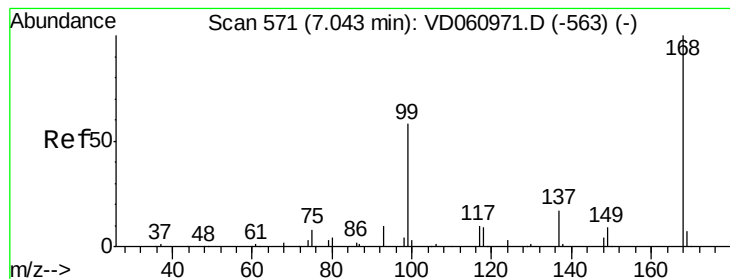
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
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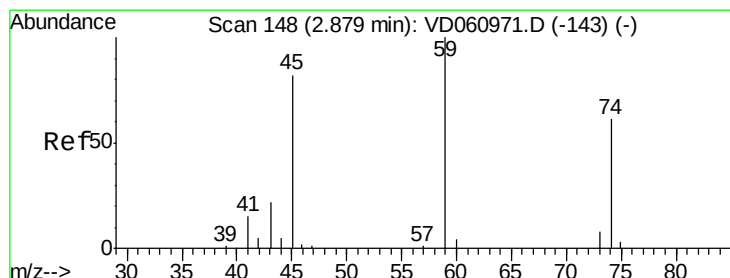
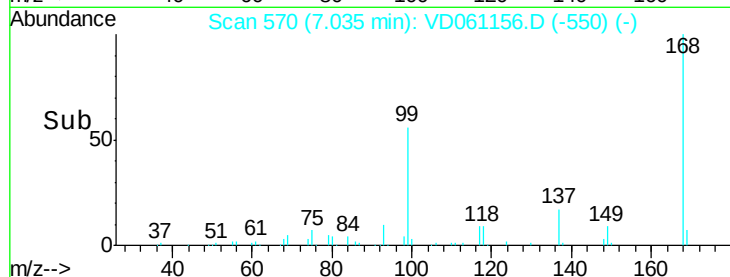
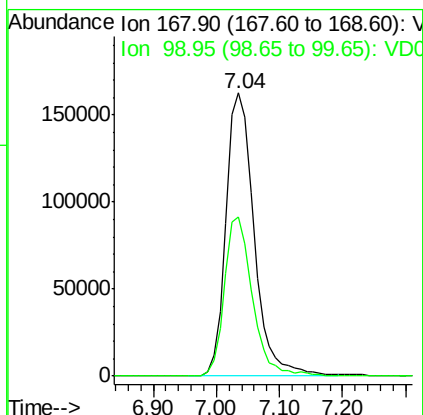
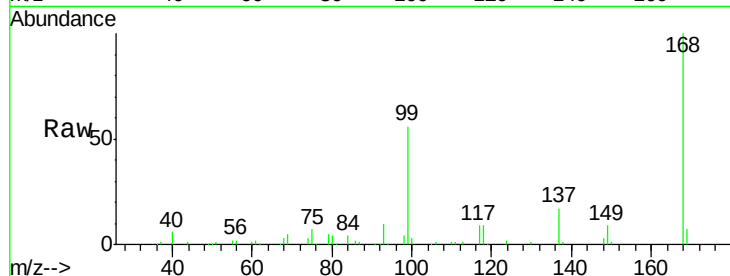




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.04 min Scan# 570
Delta R.T. -0.01 min
Lab File: VD061156.D
Acq: 18 Mar 2019 20:14

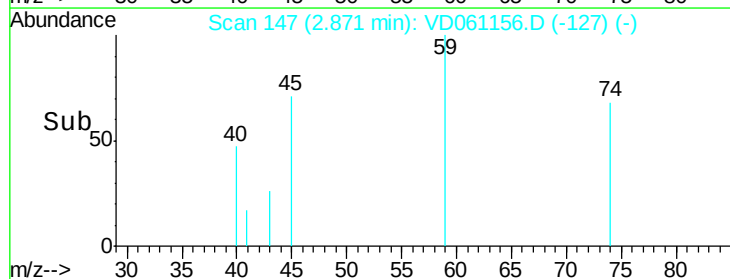
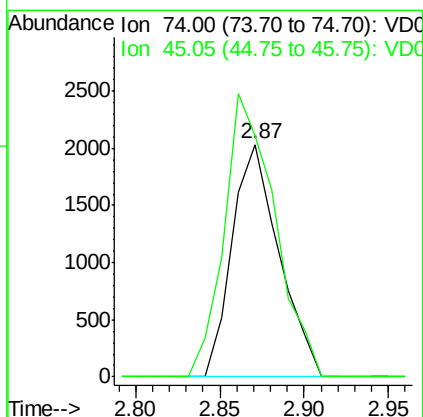
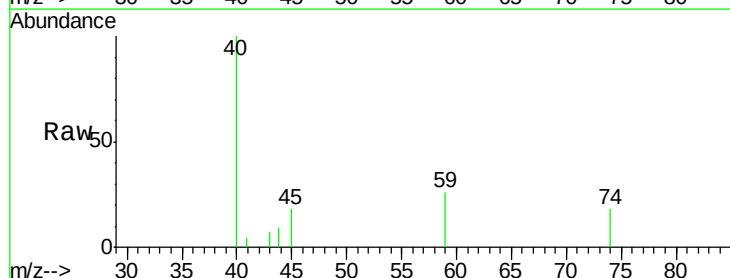
Instrument :
MSVOA_D
ClientSampleId :

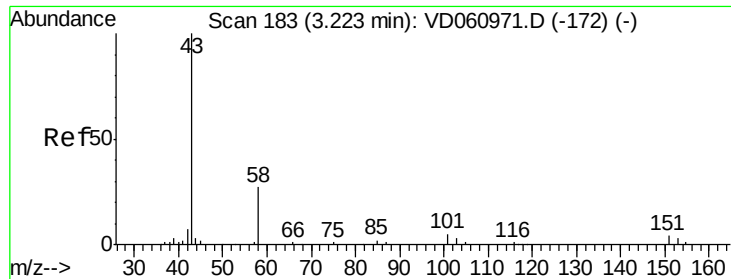
Tot Ion:168 Resp: 502486
Ion Ratio Lower Upper
168 100
99 56.2 47.3 70.9



#8
Diethyl Ether
Concen: 2.163 ug/l
RT: 2.87 min Scan# 147
Delta R.T. -0.01 min
Lab File: VD061156.D
Acq: 18 Mar 2019 20:14

Tgt Ion: 74 Resp: 3927
Ion Ratio Lower Upper
74 100
45 104.0 67.0 201.1





#16

Acetone

Concen: 6.567 ug/l

RT: 3.23 min Scan# 183

Delta R.T. 0.00 min

Lab File: VD061156.D

Acq: 18 Mar 2019 20:14

Instrument :

MSVOA_D

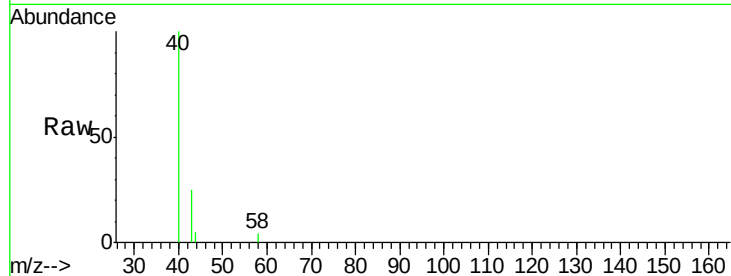
ClientSampleId :

Tot Ion: 43 Resp: 7855

Ion Ratio Lower Upper

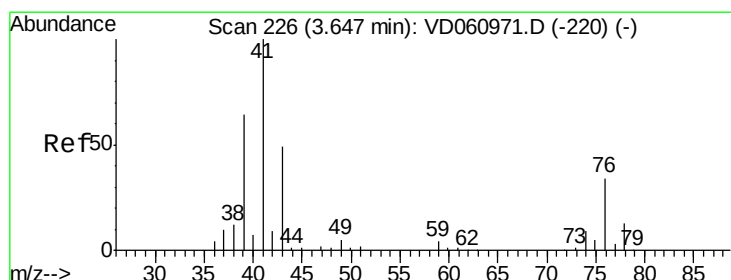
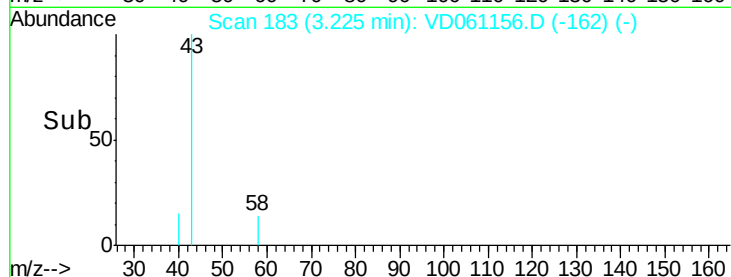
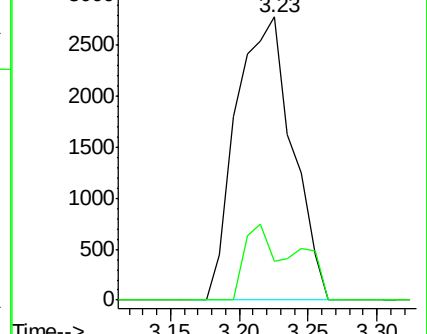
43 100

58 13.9 21.6 32.4#



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC



#18

Methyl Acetate

Concen: 1.955 ug/l

RT: 3.63 min Scan# 224

Delta R.T. -0.02 min

Lab File: VD061156.D

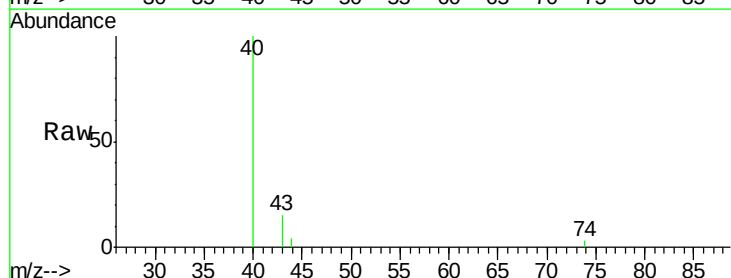
Acq: 18 Mar 2019 20:14

Tgt Ion: 43 Resp: 4602

Ion Ratio Lower Upper

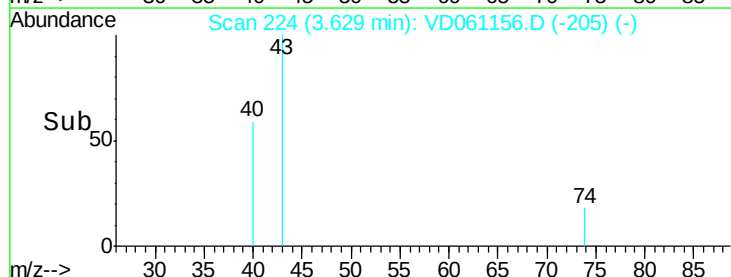
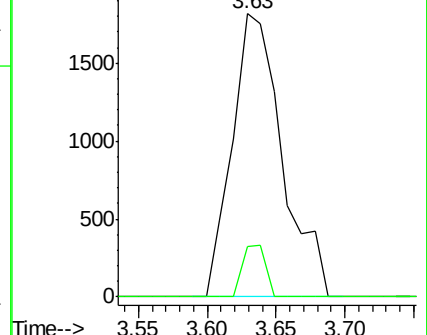
43 100

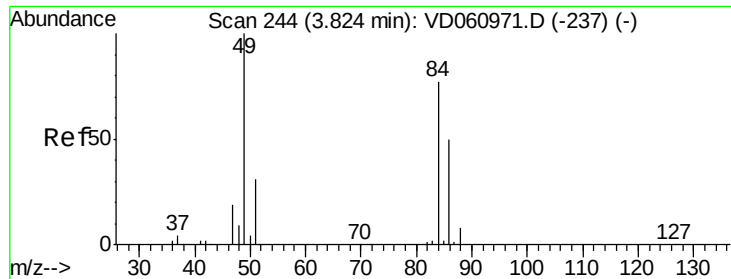
74 18.0 14.6 21.8



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 74.00 (73.70 to 74.70): VDC

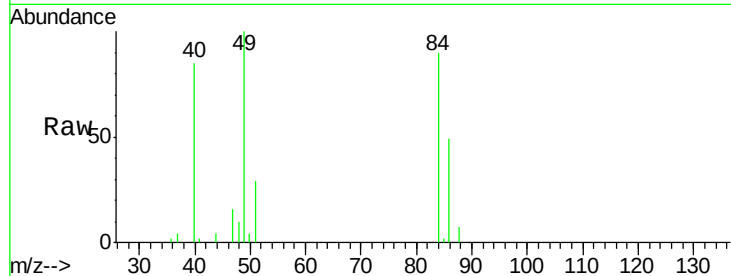




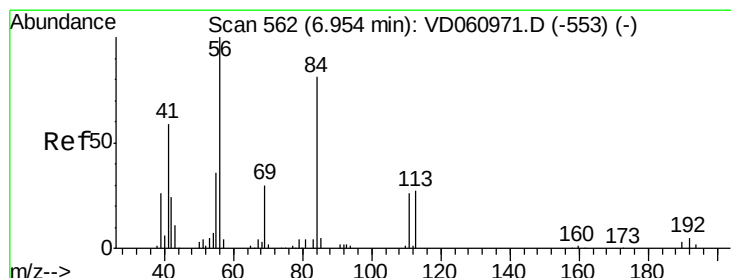
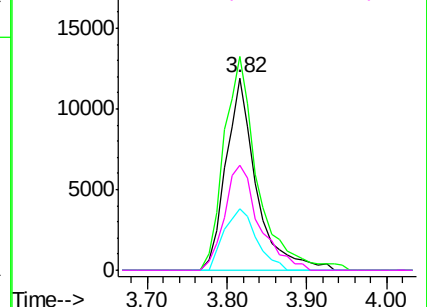
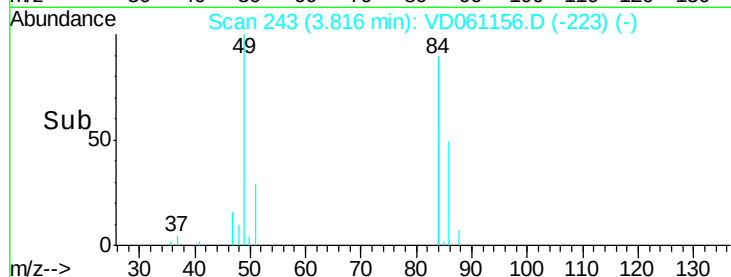
#20
Methylene Chloride
Concen: 1.314 ug/l
RT: 3.82 min Scan# 243
Delta R.T. -0.01 min
Lab File: VD061156.D
Acq: 18 Mar 2019 20:14

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 84 Resp: 31934
Ion Ratio Lower Upper
84 100
49 111.1 104.2 156.2
51 31.9 32.3 48.5#
86 54.5 52.3 78.5

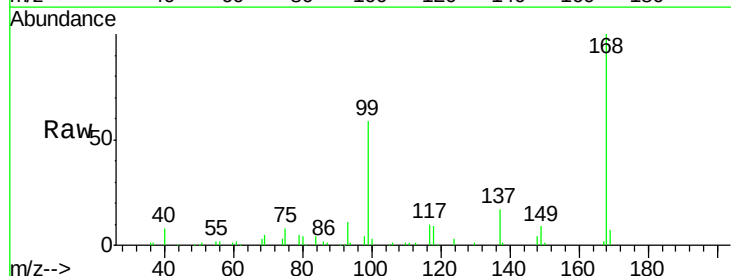


Abundance Ion 83.95 (83.65 to 84.65): VDC
Ion 48.90 (48.60 to 49.60): VDC
Ion 50.90 (50.60 to 51.60): VDC
Ion 85.90 (85.60 to 86.60): VDC

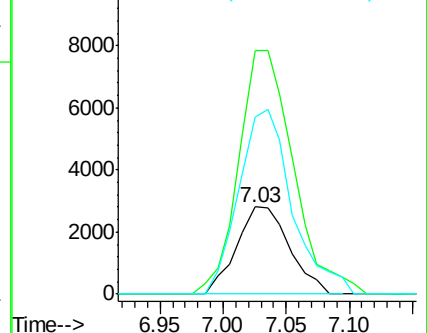
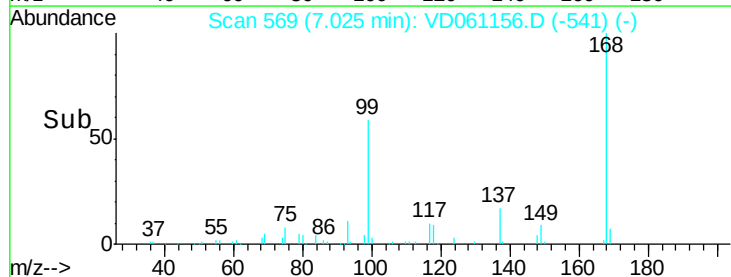


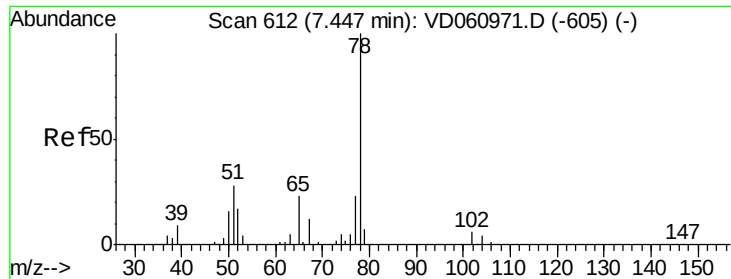
#31
Cyclohexane
Concen: 1.104 ug/l
RT: 7.03 min Scan# 569
Delta R.T. 0.07 min
Lab File: VD061156.D
Acq: 18 Mar 2019 20:14

Tgt Ion: 56 Resp: 8173
Ion Ratio Lower Upper
56 100
69 280.4 24.0 36.0#
84 204.5 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

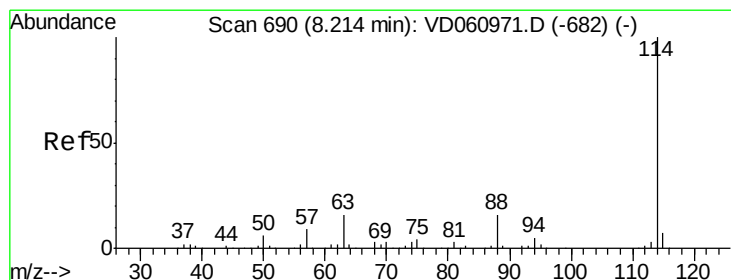
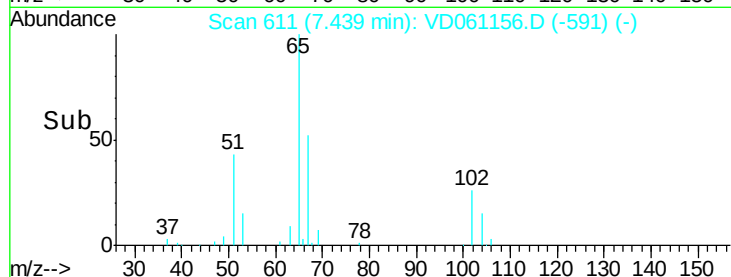
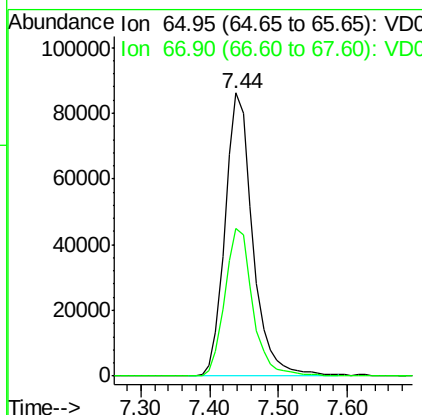
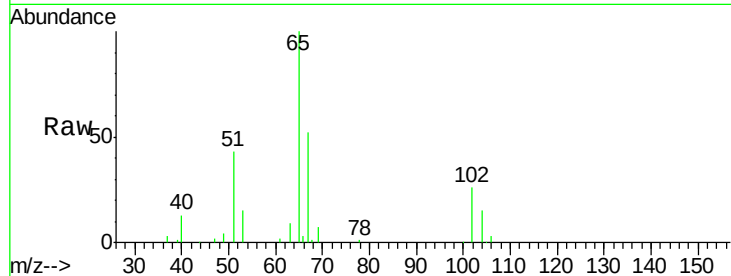




#33
 1,2-Dichloroethane-d4
 Concen: N.D. ug/l
 RT: 7.44 min Scan# 611
 Delta R.T. -0.01 min
 Lab File: VD061156.D
 Acq: 18 Mar 2019 20:14

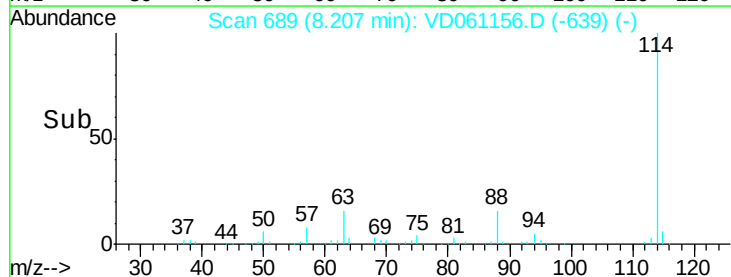
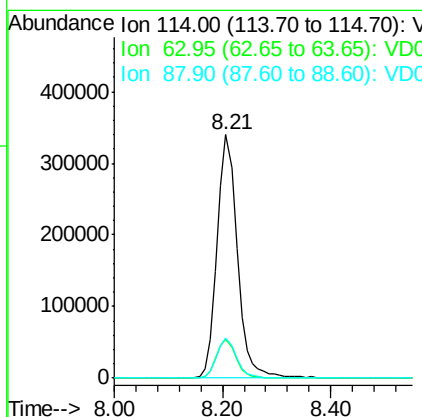
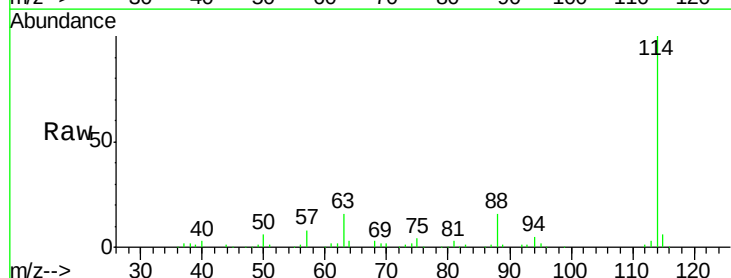
Instrument :
 MSVOA_D
 ClientSampleID :

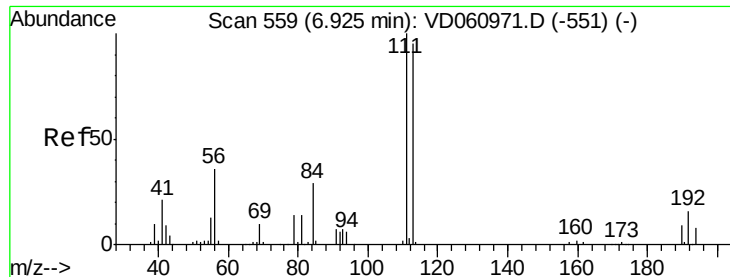
Tot Ion: 65 Resp: 239791
 Ion Ratio Lower Upper
 65 100
 67 52.1 0.0 105.2



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.21 min Scan# 689
 Delta R.T. -0.01 min
 Lab File: VD061156.D
 Acq: 18 Mar 2019 20:14

Tgt Ion: 114 Resp: 885345
 Ion Ratio Lower Upper
 114 100
 63 16.0 0.0 31.4
 88 16.3 0.0 33.0





#35

Dibromofluoromethane

Concen: 50.000 ug/l

RT: 6.92 min Scan# 558

Delta R.T. -0.01 min

Lab File: VD061156.D

Acq: 18 Mar 2019 20:14

Instrument :
MSVOA_D
ClientSampleId :

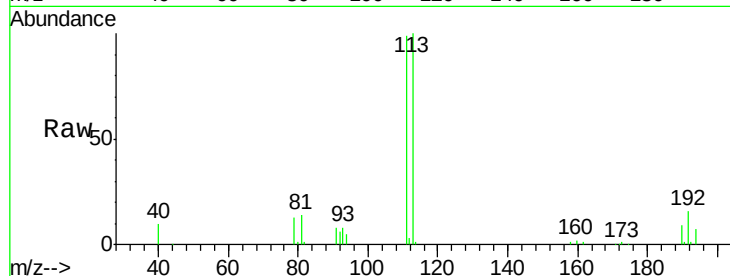
Tot Ion:113 Resp: 371756

Ion Ratio Lower Upper

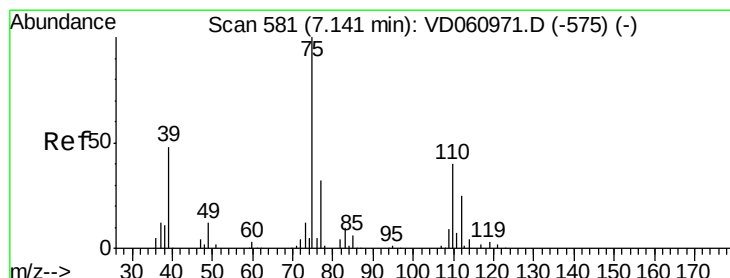
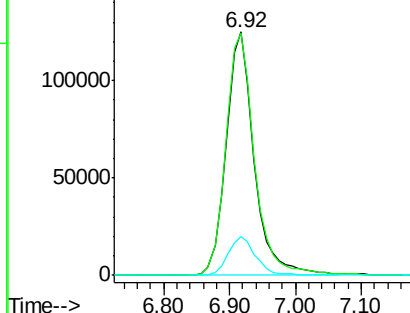
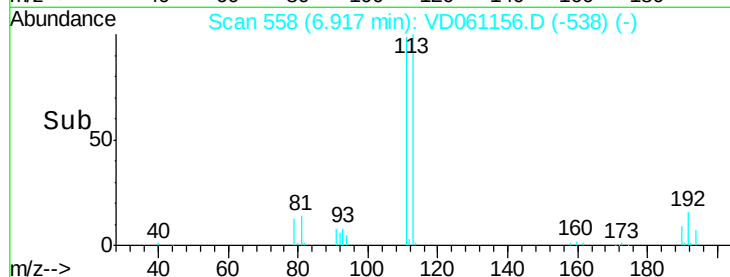
113 100

111 99.3 84.2 126.4

192 15.7 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: 4.779 ug/l

RT: 7.03 min Scan# 569

Delta R.T. -0.12 min

Lab File: VD061156.D

Acq: 18 Mar 2019 20:14

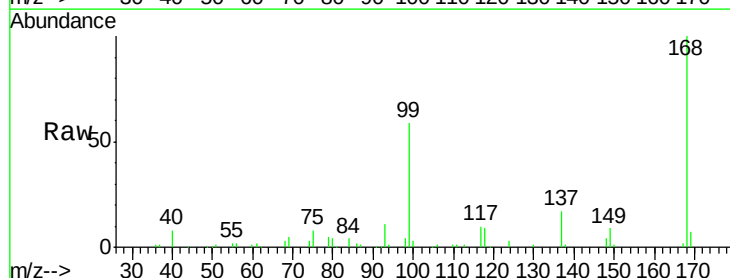
Tgt Ion: 75 Resp: 36472

Ion Ratio Lower Upper

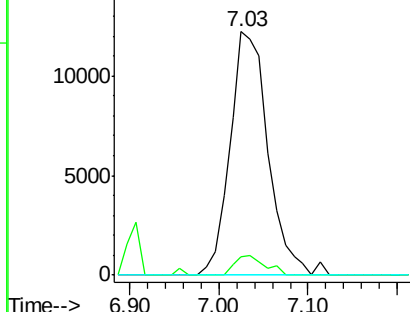
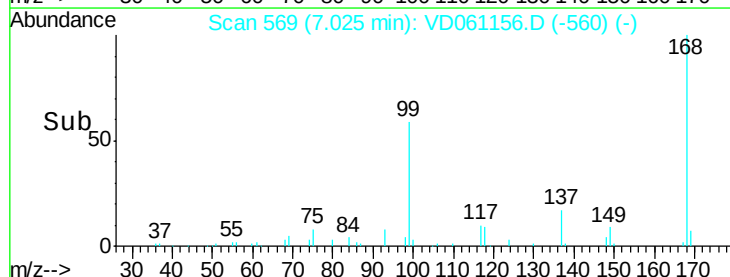
75 100

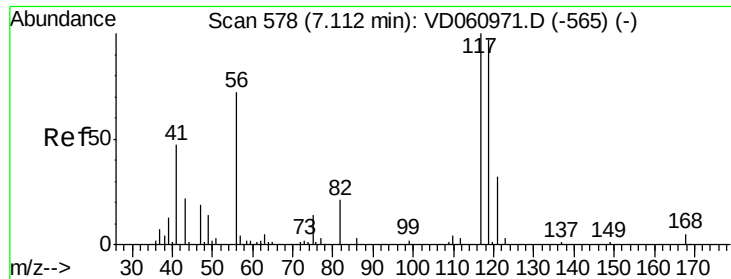
110 7.6 19.7 59.1#

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): V
Ion 76.95 (76.65 to 77.65): VDC





#38

Carbon Tetrachloride

Concen: 5.795 ug/l

RT: 7.03 min Scan# 569

Delta R.T. -0.09 min

Lab File: VD061156.D

Acq: 18 Mar 2019 20:14

Instrument :

MSVOA_D

ClientSampled :

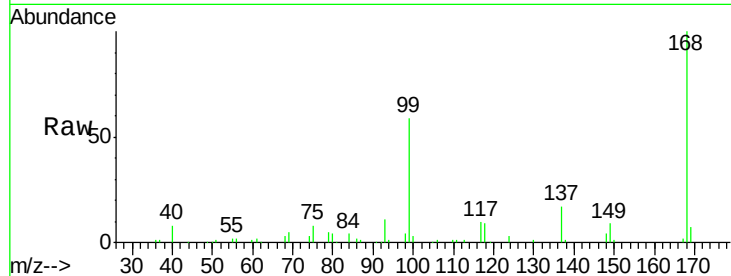
Tot Ion:117 Resp: 48717

Ion Ratio Lower Upper

117 100

119 4.1 77.8 116.8#

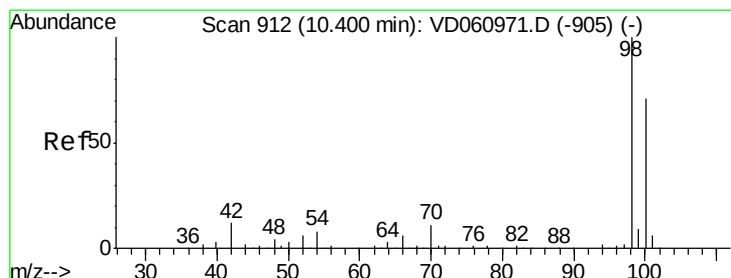
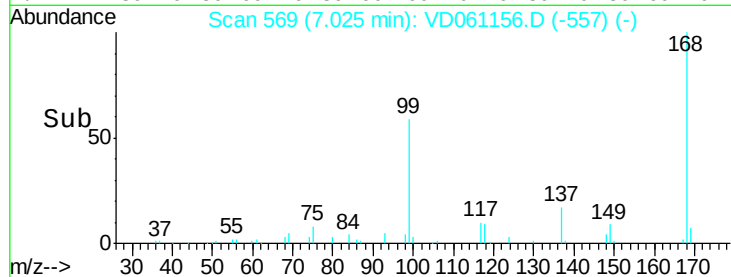
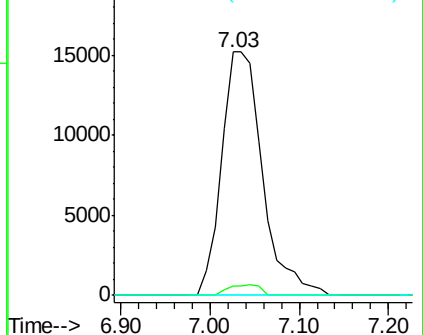
121 0.0 25.3 37.9#



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: 10.39 min Scan# 911

Delta R.T. -0.01 min

Lab File: VD061156.D

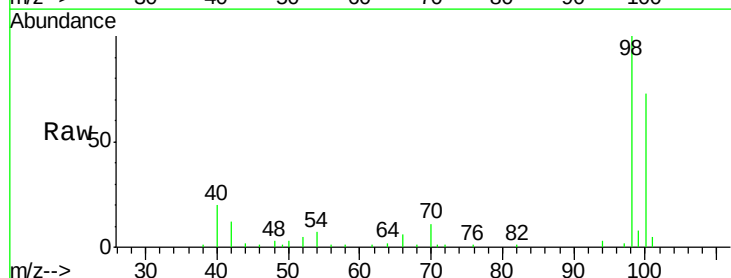
Acq: 18 Mar 2019 20:14

Tgt Ion: 98 Resp: 157150

Ion Ratio Lower Upper

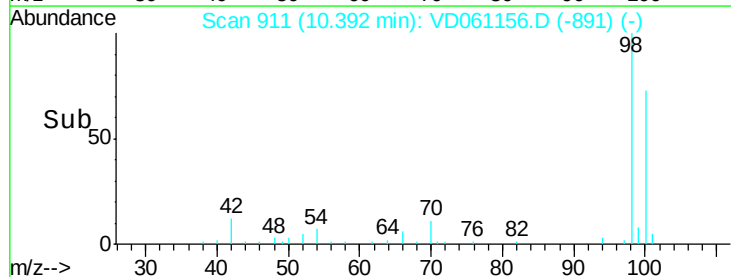
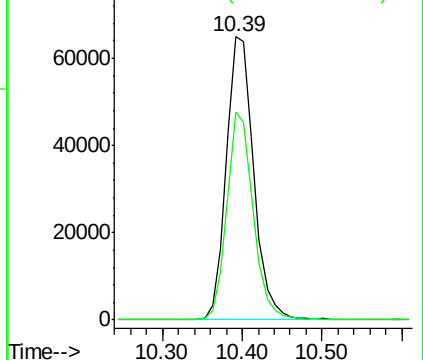
98 100

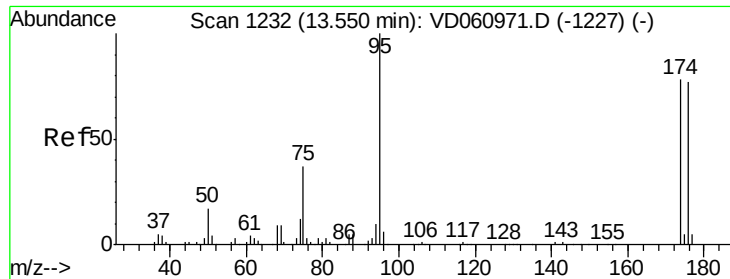
100 73.4 57.4 86.2



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: 13.54 min Scan# 1231

Delta R.T. -0.01 min

Lab File: VD061156.D

Acq: 18 Mar 2019 20:14

Instrument :

MSVOA_D

ClientSampleId :

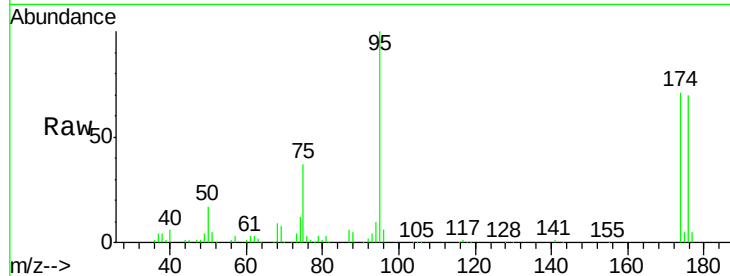
Tot Ion: 95 Resp: 256863

Ion Ratio Lower Upper

95 100

174 71.2 0.0 155.6

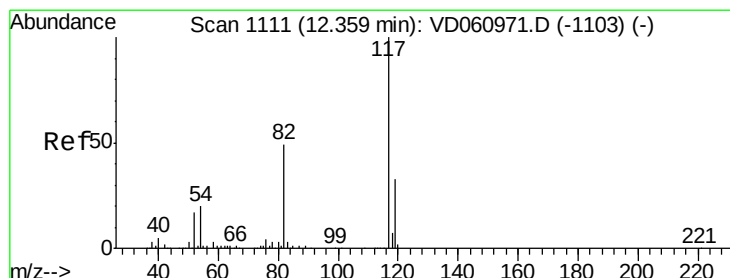
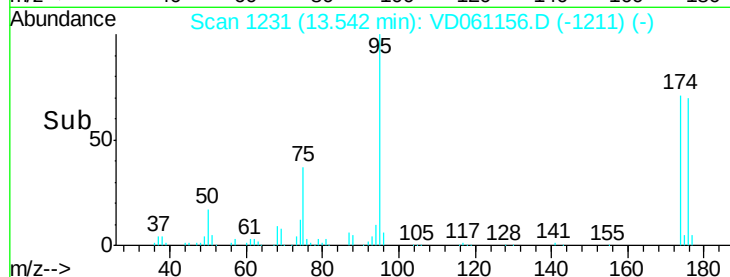
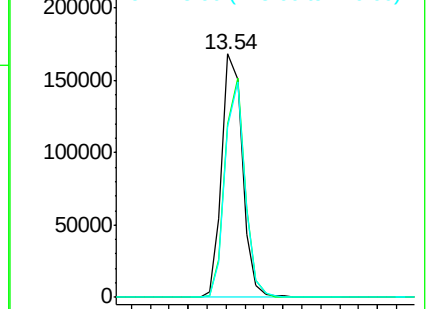
176 70.2 0.0 153.8



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: VD061156.D

Acq: 18 Mar 2019 20:14

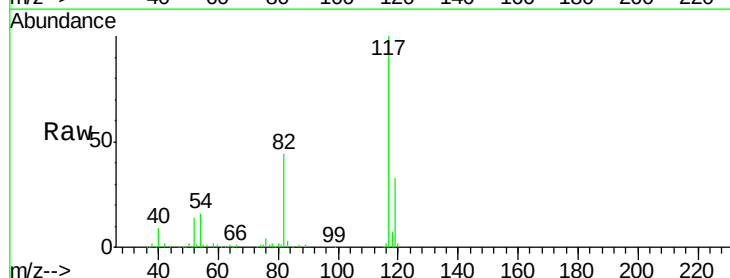
Tgt Ion: 117 Resp: 439510

Ion Ratio Lower Upper

117 100

82 43.7 38.9 58.3

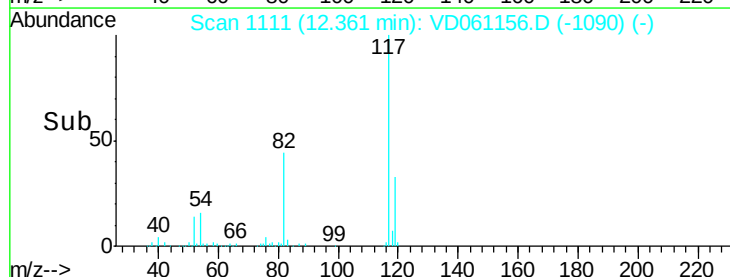
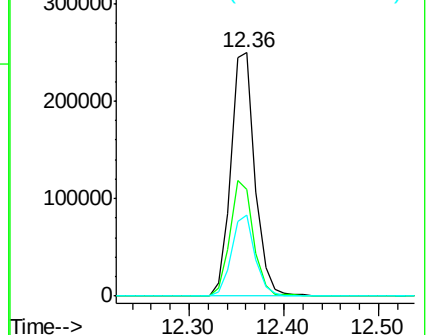
119 33.3 26.6 39.8

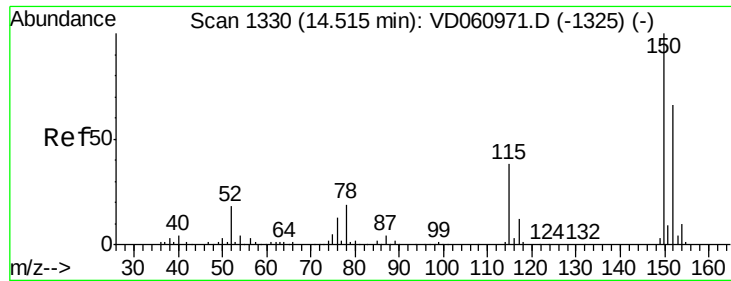


Abundance Ion 116.95 (116.65 to 117.65): V

Ion 82.05 (81.75 to 82.75): V

Ion 118.95 (118.65 to 119.65): V



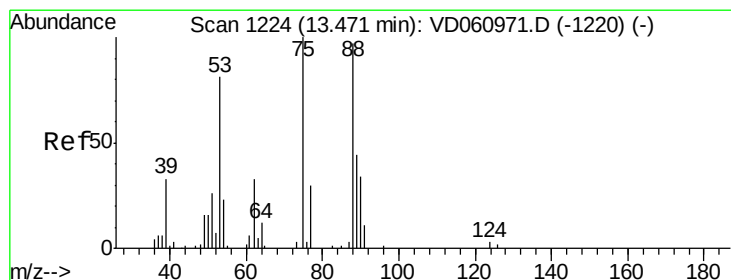
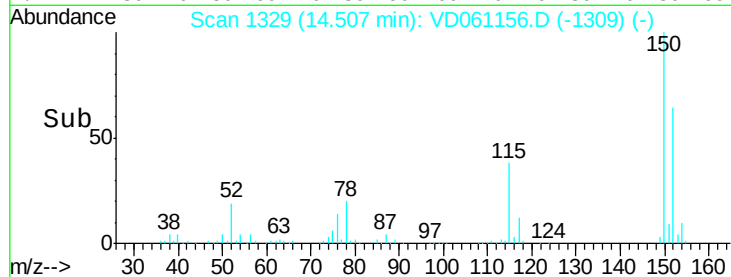
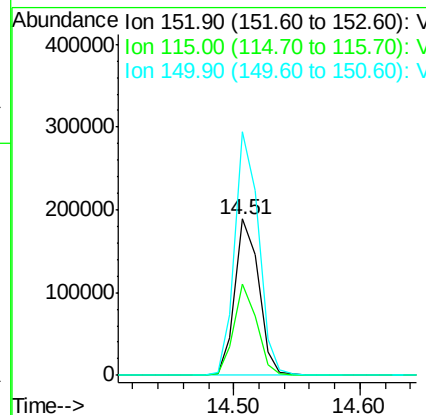
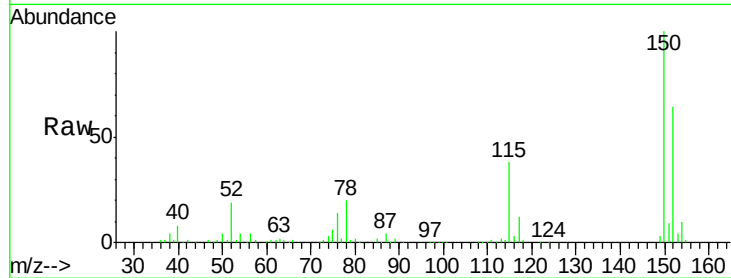


#72

1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 14.51 min Scan# 1329
Delta R.T. -0.01 min
Lab File: VD061156.D
Acq: 18 Mar 2019 20:14

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
152	100		
115	58.8	28.6	85.9
150	156.1	0.0	310.6



#81

trans-1,4-Dichloro-2-butene
Concen: 88.920 ug/l
RT: 13.54 min Scan# 1231
Delta R.T. 0.07 min
Lab File: VD061156.D
Acq: 18 Mar 2019 20:14

Tgt Ion	Ratio	Lower	Upper
75	100		
53	0.0	64.4	96.6#
89	0.0	34.8	52.2#

