

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD031819\
 Data File : VD061161.D
 Acq On : 19 Mar 2019 00:23
 Operator : VA/AP
 Sample : VD0318SBL02
 Misc : 5.00µl/5ml/MSVOA D/SOIL
 ALS Vial : 31 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Mar 19 02:20:07 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	619234	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.21	114	1092715	50.00	ug/l	0.00
63) Chlorobenzene-d5	12.36	117	916844	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	14.52	152	405218	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	253237	49.13	ug/l	0.00
Spiked Amount 50.000			Recovery	=	98.26%	
35) Dibromofluoromethane	6.92	113	413800	51.03	ug/l	0.00
Spiked Amount 50.000			Recovery	=	102.06%	
50) Toluene-d8	10.40	98	999677	49.09	ug/l	0.00
Spiked Amount 50.000			Recovery	=	98.18%	
62) 4-Bromofluorobenzene	13.55	95	408327	51.68	ug/l	0.00
Spiked Amount 50.000			Recovery	=	103.36%	

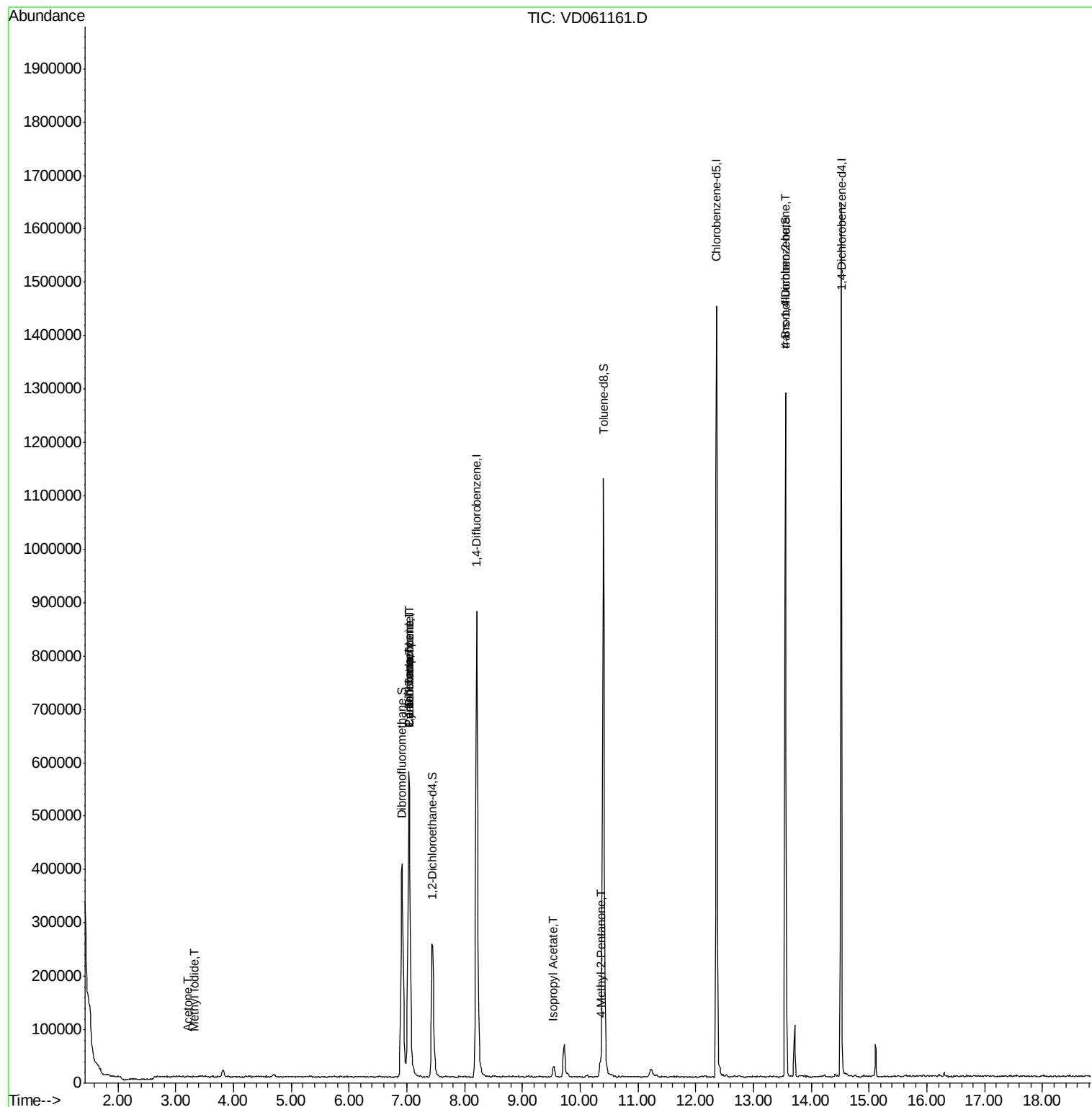
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
10) Methyl Iodide	3.33	142	1179	3.040	ug/l #	39
16) Acetone	3.22	43	1892	1.284	ug/l #	48
20) Methylene Chloride	3.82	84	10128	Below Cal		94
31) Cyclohexane	7.04	56	10558	1.158	ug/l #	1
36) 1,1-Dichloropropene	7.04	75	44890	4.766	ug/l #	46
38) Carbon Tetrachloride	7.04	117	58374	5.626	ug/l #	15
43) Isopropyl Acetate	9.55	43	17067	2.788	ug/l #	43
51) 4-Methyl-2-Pentanone	10.34	43	4949	1.320	ug/l	99
81) trans-1,4-Dichloro-2-buten	13.55	75	151641	88.228	ug/l #	17

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

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ClientSampleId :

Quant Time: Mar 19 02:20:07 2019
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_D\METHOD\82D030719S.M
Quant Title : SW846 8260
QLast Update : Fri Mar 08 02:35:39 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.04 min Scan# 570

Delta R.T. -0.01 min

Lab File: VD061161.D

Acq: 19 Mar 2019 00:23

Instrument :

MSVOA_D

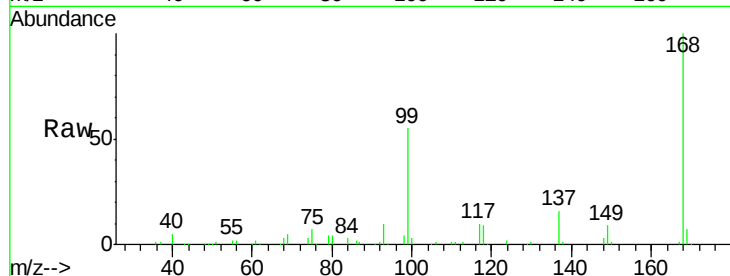
ClientSampled :

Tot Ion:168 Resp: 619234

Ion Ratio Lower Upper

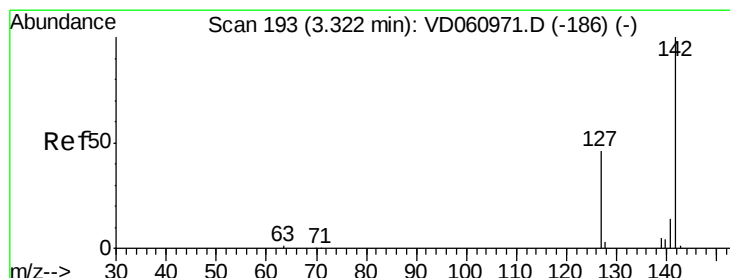
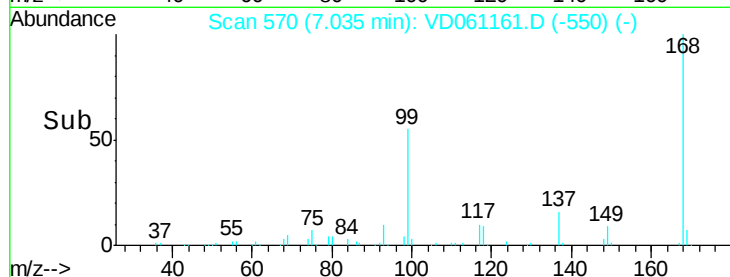
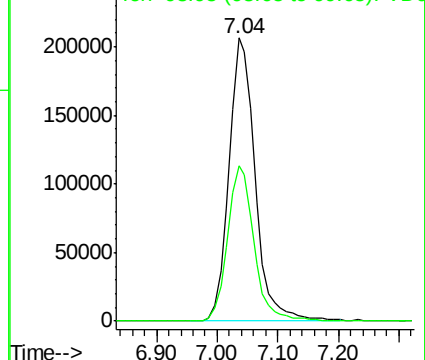
168 100

99 54.8 47.3 70.9



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): V



#10

Methyl Iodide

Concen: 3.040 ug/l

RT: 3.33 min Scan# 194

Delta R.T. 0.01 min

Lab File: VD061161.D

Acq: 19 Mar 2019 00:23

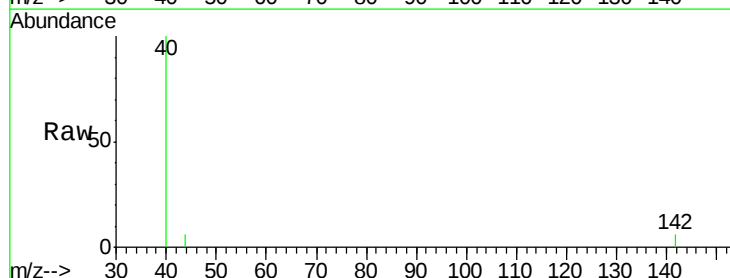
Tgt Ion:142 Resp: 1179

Ion Ratio Lower Upper

142 100

127 0.0 36.8 55.2#

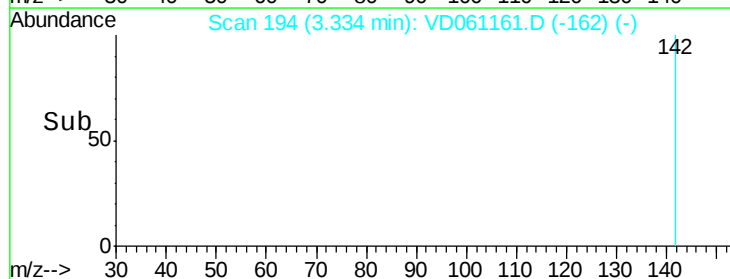
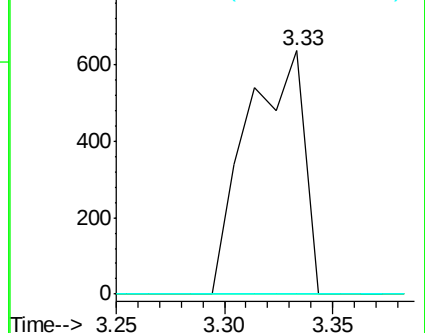
141 0.0 11.2 16.8#



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





#16

Acetone

Concen: 1.284 ug/l

RT: 3.22 min Scan# 182

Delta R.T. -0.01 min

Lab File: VD061161.D

Acq: 19 Mar 2019 00:23

Instrument :

MSVOA_D

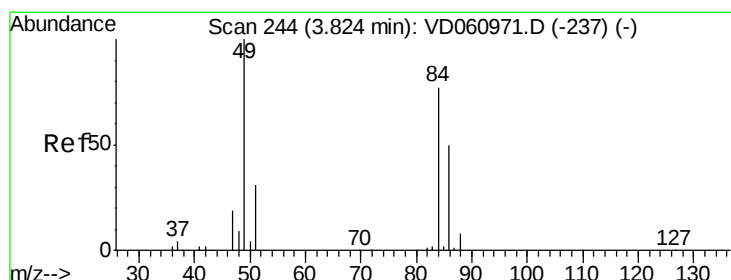
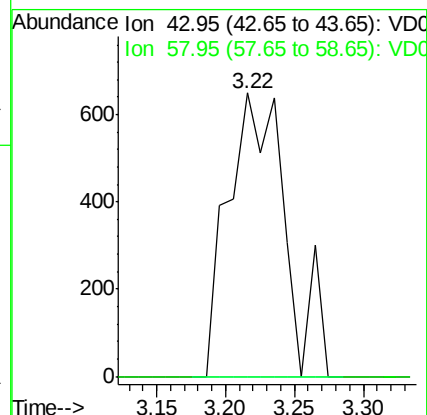
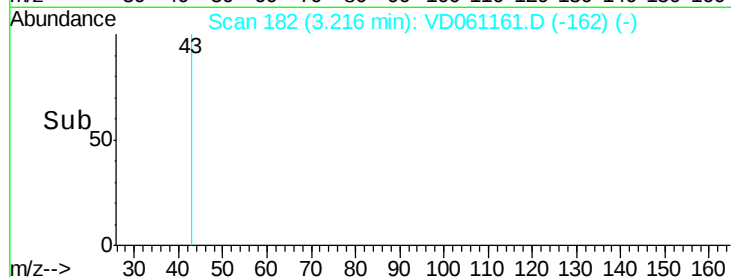
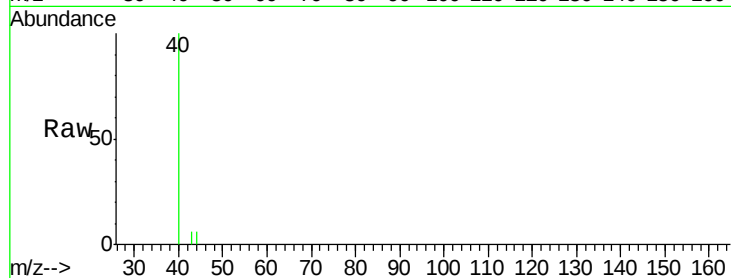
ClientSampleId :

Tot Ion: 43 Resp: 1892

Ion Ratio Lower Upper

43 100

58 0.0 21.6 32.4#



#20

Methylene Chloride

Concen: Below Cal

RT: 3.82 min Scan# 243

Delta R.T. -0.01 min

Lab File: VD061161.D

Acq: 19 Mar 2019 00:23

Tgt Ion: 84 Resp: 10128

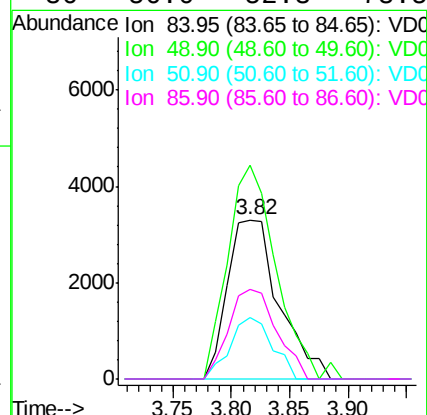
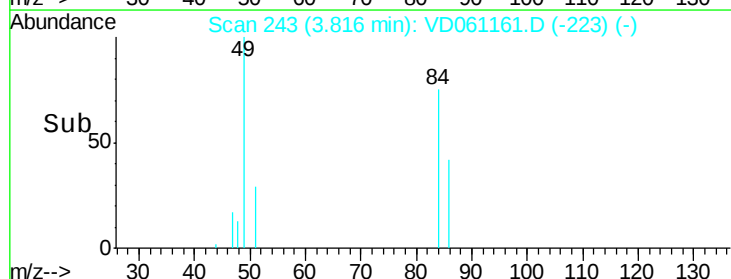
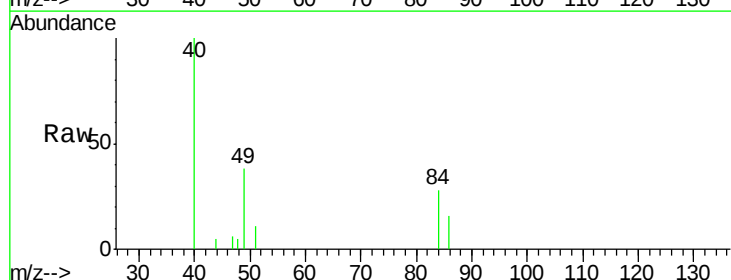
Ion Ratio Lower Upper

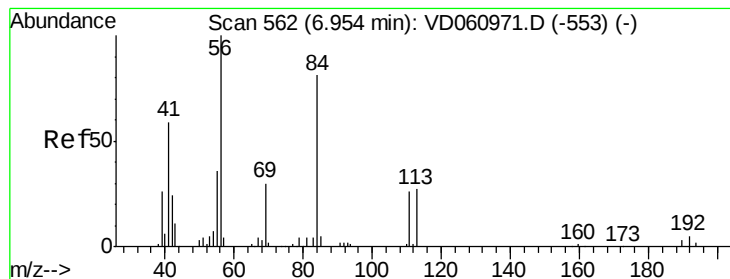
84 100

49 134.2 104.2 156.2

51 38.9 32.3 48.5

86 56.0 52.3 78.5





#31

Cyclohexane

Concen: 1.158 ug/l

RT: 7.04 min Scan# 570

Delta R.T. 0.08 min

Lab File: VD061161.D

Acq: 19 Mar 2019 00:23

Instrument :
MSVOA_D
ClientSampleId :

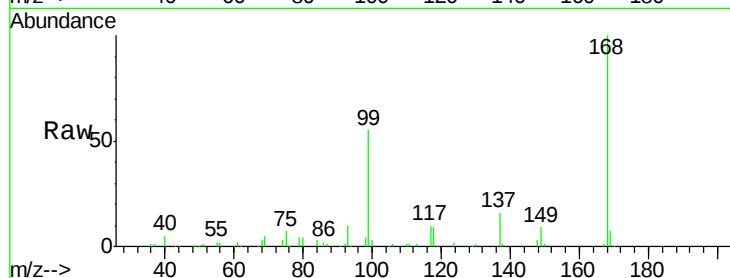
Tot Ion: 56 Resp: 10558

Ion Ratio Lower Upper

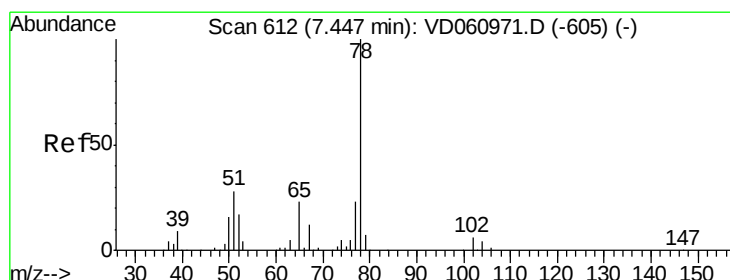
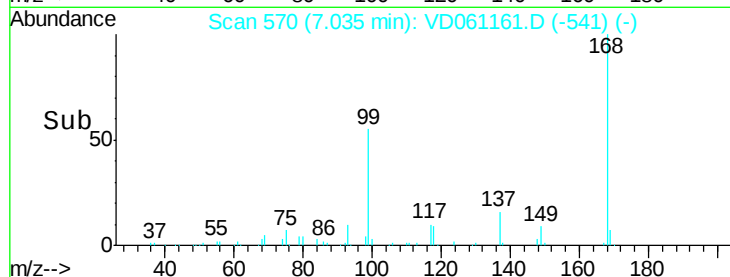
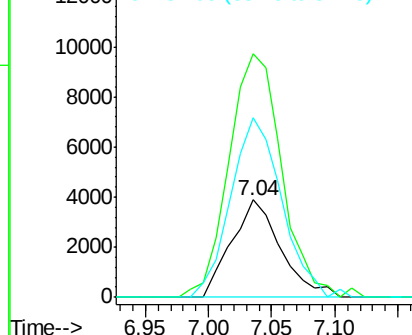
56 100

69 250.6 24.0 36.0#

84 185.1 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: 7.44 min Scan# 611

Delta R.T. -0.01 min

Lab File: VD061161.D

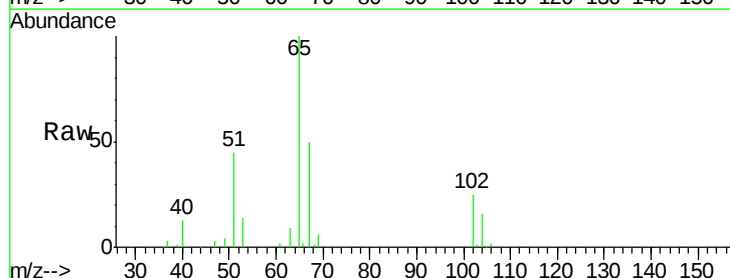
Acq: 19 Mar 2019 00:23

Tgt Ion: 65 Resp: 253237

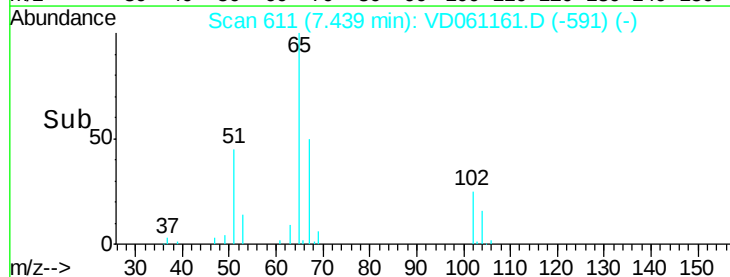
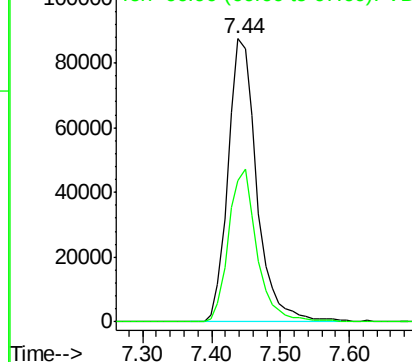
Ion Ratio Lower Upper

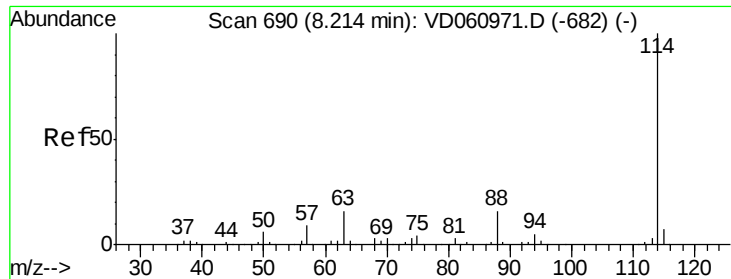
65 100

67 49.8 0.0 105.2



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

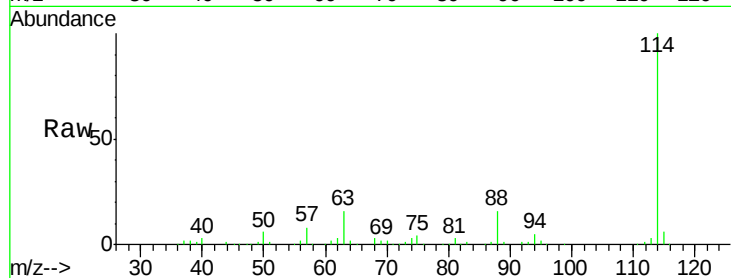




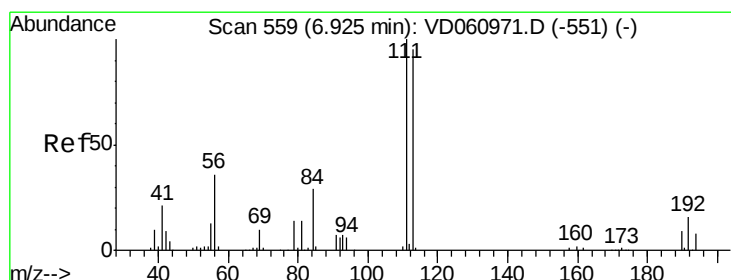
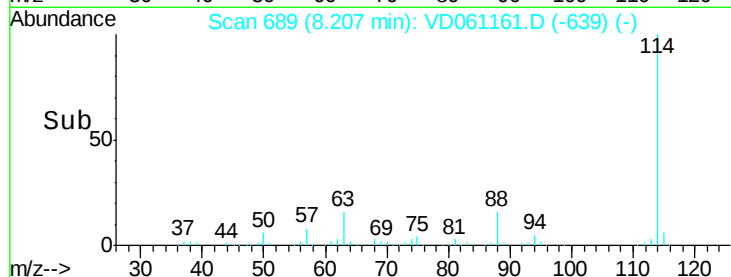
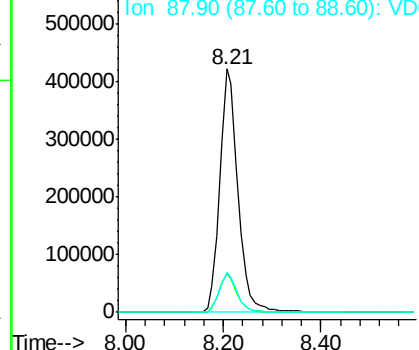
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.21 min Scan# 689
 Delta R.T. -0.01 min
 Lab File: VD061161.D
 Acq: 19 Mar 2019 00:23

Instrument :
 MSVOA_D
 ClientSampleId :

Tot Ion:114 Resp: 1092715
 Ion Ratio Lower Upper
 114 100
 63 15.8 0.0 31.4
 88 16.2 0.0 33.0

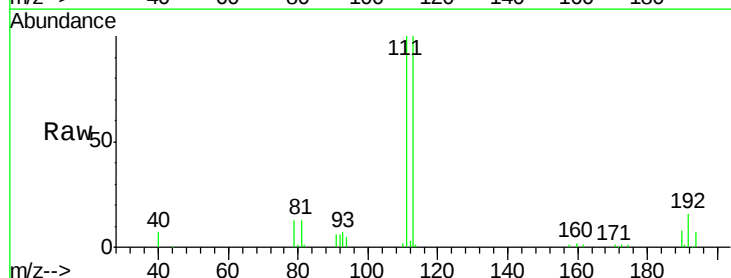


Abundance Ion 114.00 (113.70 to 114.70): V
 Ion 62.95 (62.65 to 63.65): V
 Ion 87.90 (87.60 to 88.60): V

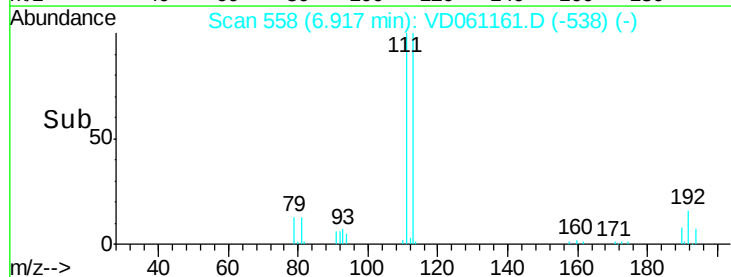
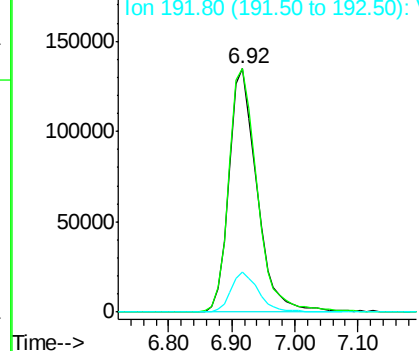


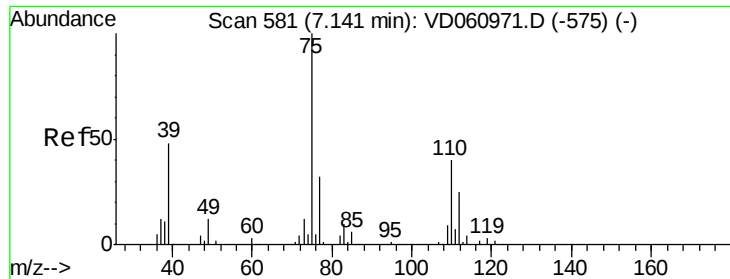
#35
 Dibromofluoromethane
 Concen: 50.000 ug/l
 RT: 6.92 min Scan# 558
 Delta R.T. -0.01 min
 Lab File: VD061161.D
 Acq: 19 Mar 2019 00:23

Tgt Ion:113 Resp: 413800
 Ion Ratio Lower Upper
 113 100
 111 100.0 84.2 126.4
 192 16.5 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

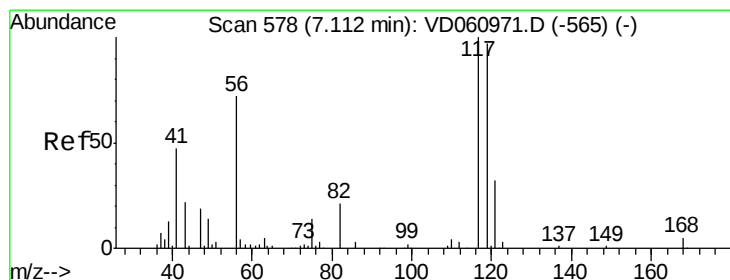
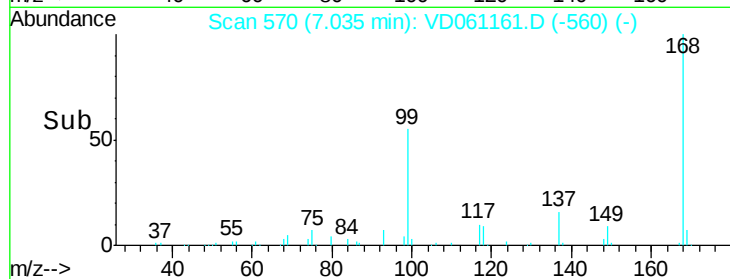
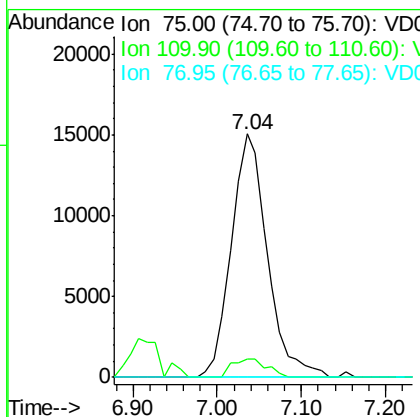
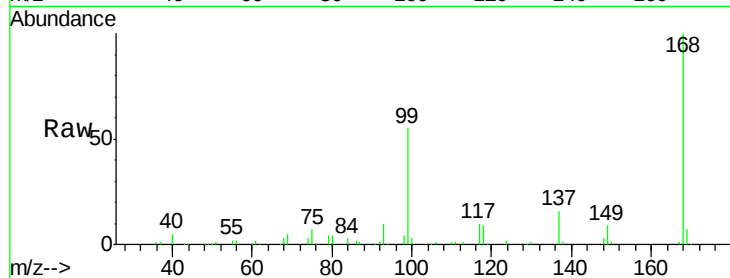




#36
 1,1-Dichloropropene
 Concen: 4.766 ug/l
 RT: 7.04 min Scan# 570
 Delta R.T. -0.11 min
 Lab File: VD061161.D
 Acq: 19 Mar 2019 00:23

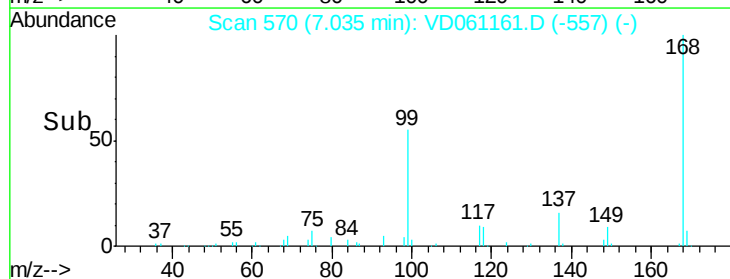
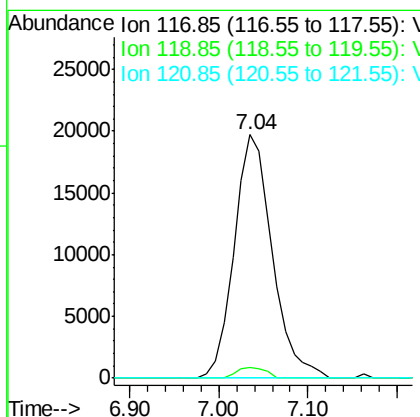
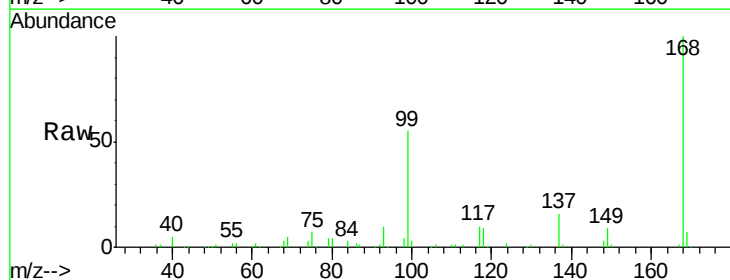
Instrument :
 MSVOA_D
 ClientSampleId :

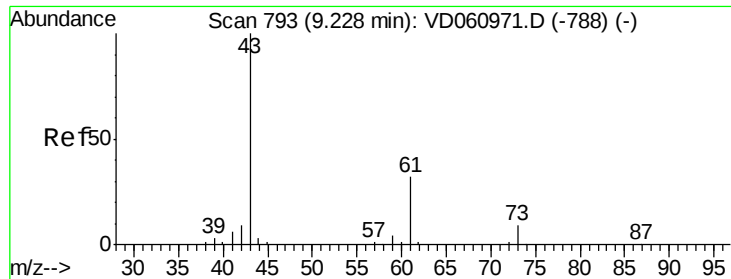
Tot Ion	75	Resp	44890
Ion	Ratio	Lower	Upper
75	100		
110	7.3	19.7	59.1#
77	0.0	24.7	37.1#



#38
 Carbon Tetrachloride
 Concen: 5.626 ug/l
 RT: 7.04 min Scan# 570
 Delta R.T. -0.08 min
 Lab File: VD061161.D
 Acq: 19 Mar 2019 00:23

Tgt Ion	117	Resp	58374
Ion	Ratio	Lower	Upper
117	100		
119	4.2	77.8	116.8#
121	0.0	25.3	37.9#





#43

Isopropyl Acetate

Concen: 2.788 ug/l

RT: 9.55 min Scan# 825

Delta R.T. 0.32 min

Lab File: VD061161.D

Acq: 19 Mar 2019 00:23

Instrument :

MSVOA_D

ClientSampleId :

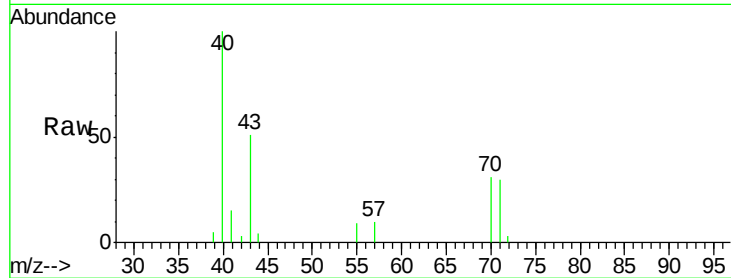
Tot Ion: 43 Resp: 17067

Ion Ratio Lower Upper

43 100

61 0.0 25.6 38.4#

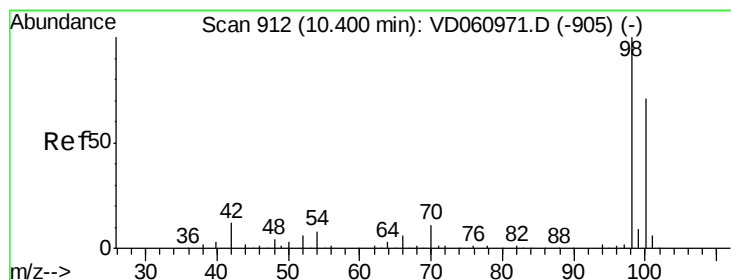
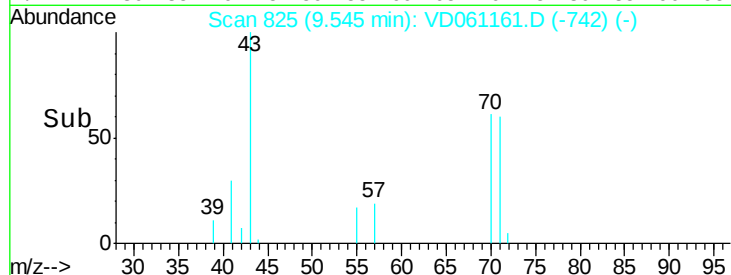
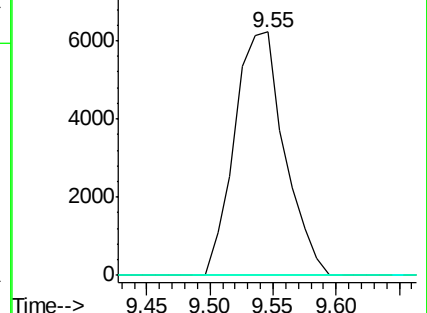
87 0.0 0.2 0.4#



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 60.95 (60.65 to 61.65): VDC

Ion 87.00 (86.70 to 87.70): VDC



#50

Toluene-d8

Concen: N.D. ug/l

RT: 10.40 min Scan# 912

Delta R.T. 0.00 min

Lab File: VD061161.D

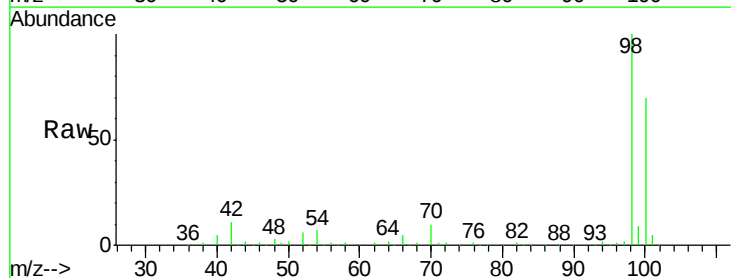
Acq: 19 Mar 2019 00:23

Tgt Ion: 98 Resp: 999677

Ion Ratio Lower Upper

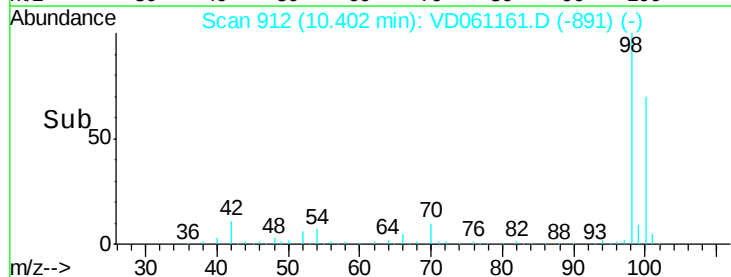
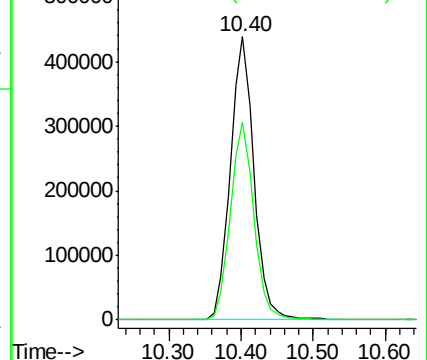
98 100

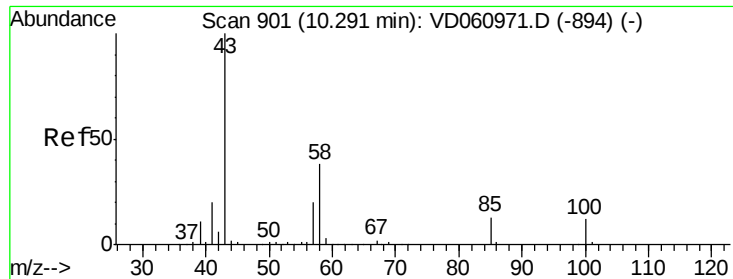
100 69.7 57.4 86.2



Abundance Ion 98.05 (97.75 to 98.75): VDC

Ion 100.05 (99.75 to 100.75): VDC





#51

4-Methyl-2-Pentanone

Concen: 1.320 ug/l

RT: 10.34 min Scan# 906

Delta R.T. 0.05 min

Lab File: VD061161.D

Acq: 19 Mar 2019 00:23

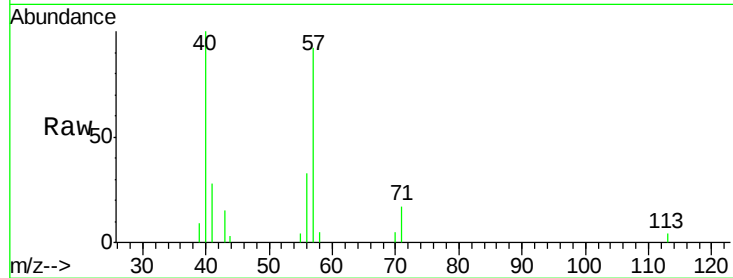
Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 43 Resp: 4949

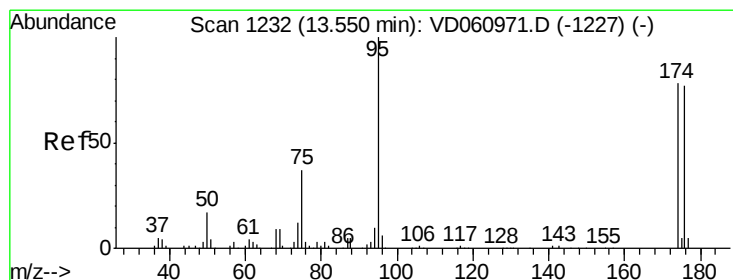
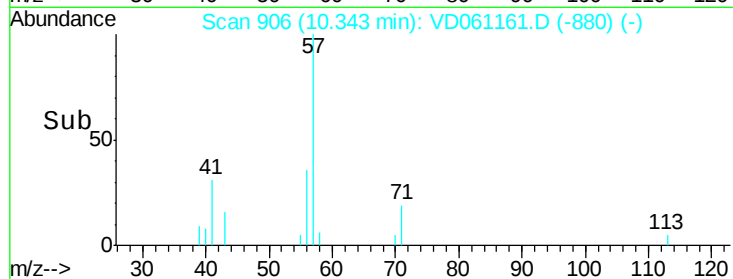
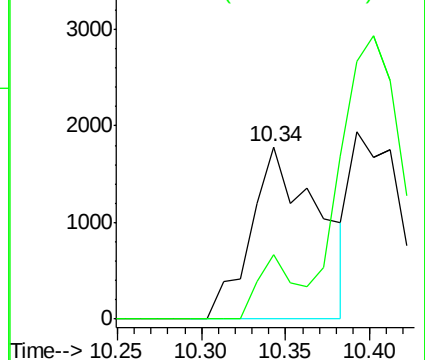
Ion Ratio Lower Upper

43 100

58 37.1 30.2 45.2



Abundance Ion 42.95 (42.65 to 43.65): VDC
Ion 57.95 (57.65 to 58.65): VDC



#62

4-Bromofluorobenzene

Concen: N.D. ug/l

RT: 13.55 min Scan# 1232

Delta R.T. 0.00 min

Lab File: VD061161.D

Acq: 19 Mar 2019 00:23

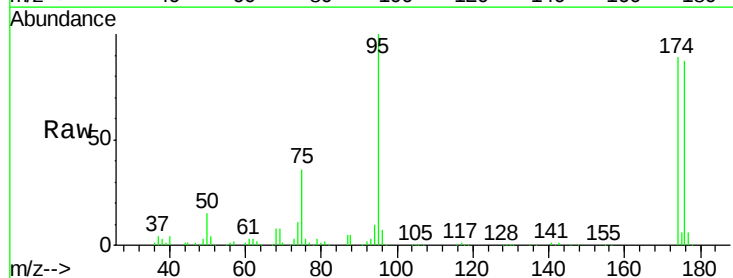
Tgt Ion: 95 Resp: 408327

Ion Ratio Lower Upper

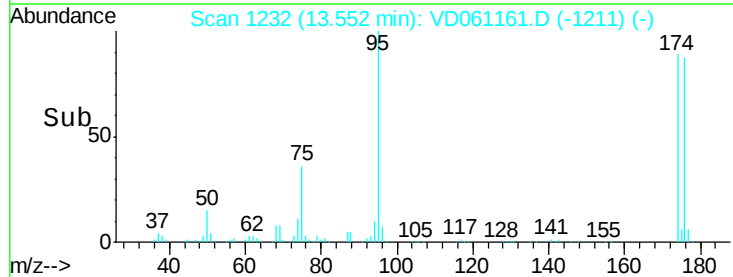
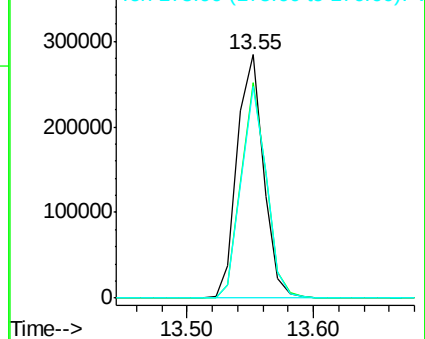
95 100

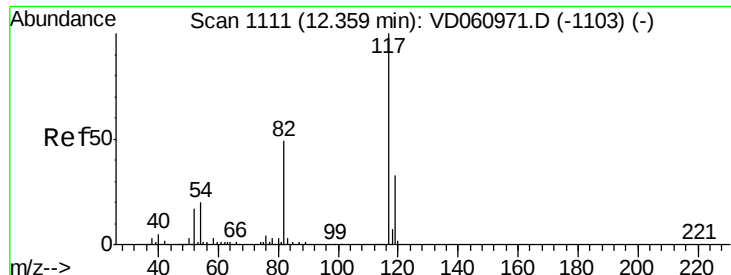
174 88.7 0.0 155.6

176 87.0 0.0 153.8



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

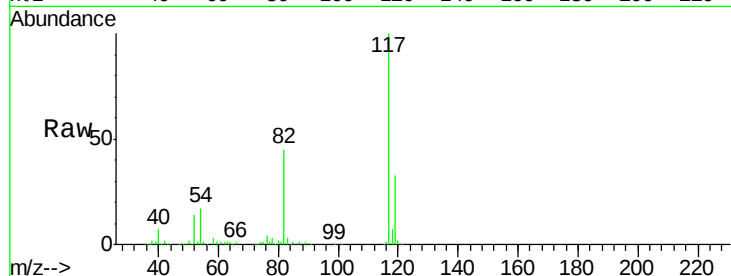




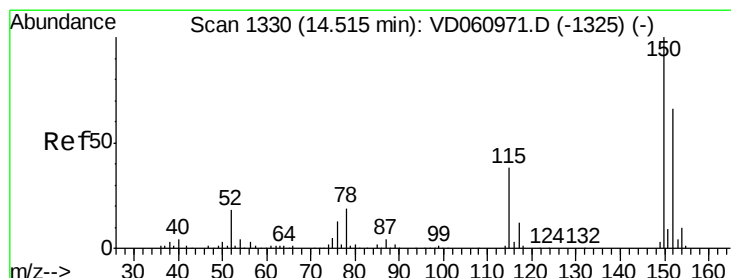
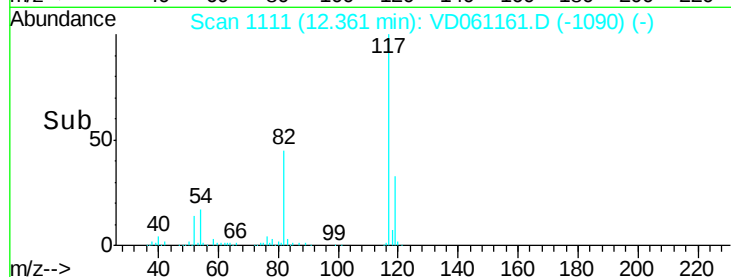
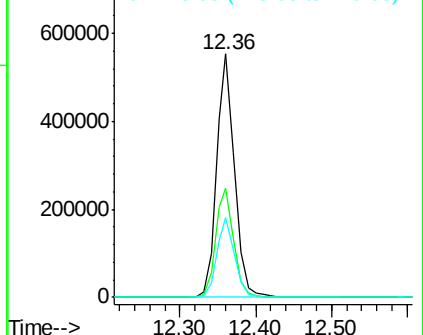
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 12.36 min Scan# 1111
Delta R.T. 0.00 min
Lab File: VD061161.D
Acq: 19 Mar 2019 00:23

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion:117 Resp: 916844
Ion Ratio Lower Upper
117 100
82 44.9 38.9 58.3
119 32.9 26.6 39.8

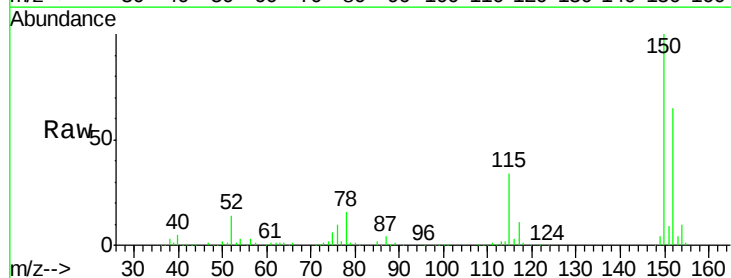


Abundance Ion 116.95 (116.65 to 117.65): V
Ion 82.05 (81.75 to 82.75): V
Ion 118.95 (118.65 to 119.65): V

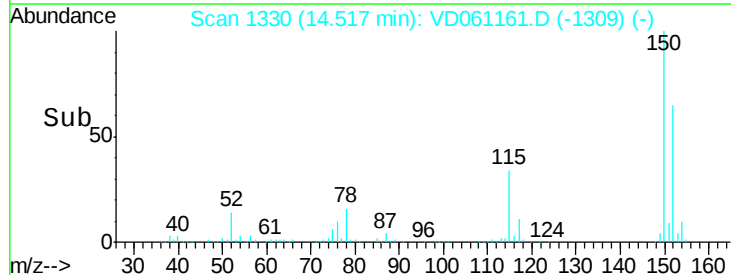
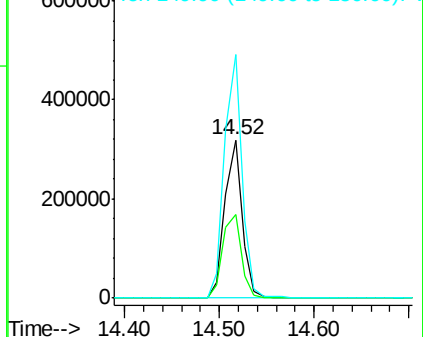


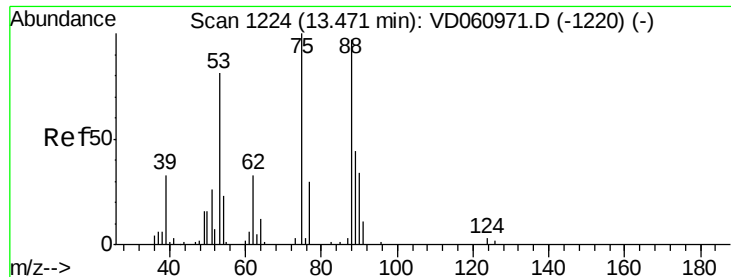
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 14.52 min Scan# 1330
Delta R.T. 0.00 min
Lab File: VD061161.D
Acq: 19 Mar 2019 00:23

Tgt Ion:152 Resp: 405218
Ion Ratio Lower Upper
152 100
115 52.9 28.6 85.9
150 153.9 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: 88.228 ug/l

RT: 13.55 min Scan# 1232

Delta R.T. 0.08 min

Lab File: VD061161.D

Acq: 19 Mar 2019 00:23

Instrument :

MSVOA_D

ClientSampleId :

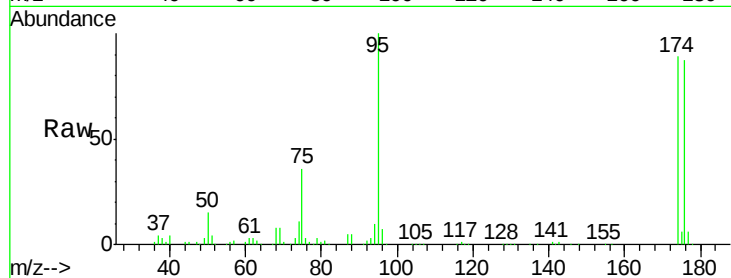
Tot Ion: 75 Resp: 151641

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

