

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD032019\
 Data File : VD061208.D
 Acq On : 20 Mar 2019 15:18
 Operator : VA/AP
 Sample : K1987-05RE
 Misc : 5.10g/5ml/MSVOA D/SOIL
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Mar 22 02:00:22 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	471361	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.21	114	829956	50.00	ug/l	0.00
63) Chlorobenzene-d5	12.36	117	517797	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	14.52	152	160097	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	7.45	65	205426	52.36	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.72%	
35) Dibromofluoromethane	6.93	113	318942	51.78	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.56%	
50) Toluene-d8	10.40	98	714702	46.21	ug/l	0.00
Spiked Amount	50.000		Recovery	=	92.42%	
62) 4-Bromofluorobenzene	13.55	95	195271	32.54	ug/l	0.00
Spiked Amount	50.000		Recovery	=	65.08%	

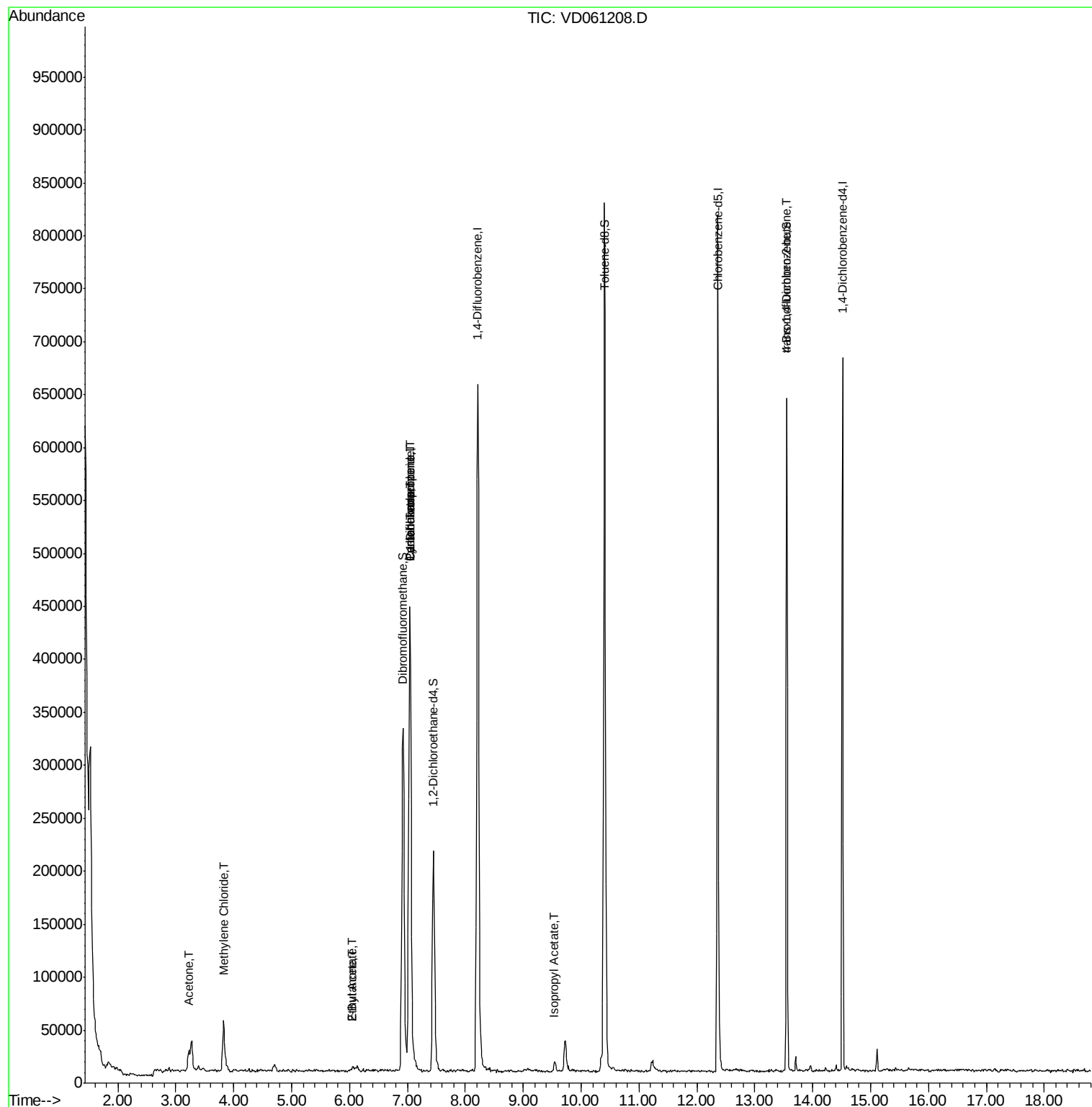
Target Compounds					Qvalue	
16) Acetone	3.22	43	42571	37.943	ug/l	92
20) Methylene Chloride	3.82	84	34486	2.291	ug/l	90
25) 2-Butanone	6.06	43	11407	8.960	ug/l	98
31) Cyclohexane	7.03	56	7843	1.130	ug/l #	1
36) 1,1-Dichloropropene	7.04	75	34978	4.889	ug/l #	47
37) Ethyl Acetate	6.06	43	11407	3.398	ug/l #	66
38) Carbon Tetrachloride	7.04	117	45117	5.725	ug/l #	15
43) Isopropyl Acetate	9.54	43	7673	1.650	ug/l #	43
81) trans-1,4-Dichloro-2-buten	13.55	75	73292	107.932	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: 7.04 min Scan# 571

Delta R.T. 0.00 min

Lab File: VD061208.D

Acq: 20 Mar 2019 15:18

Instrument :

MSVOA_D

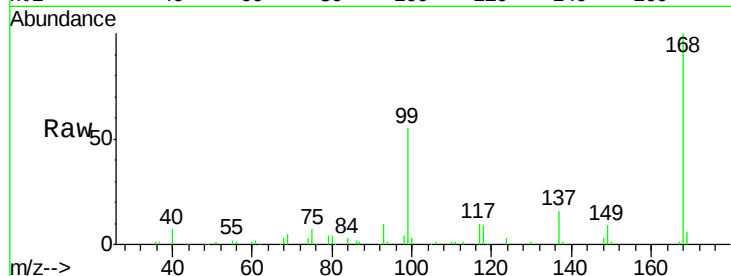
ClientSampleId :

Tot Ion:168 Resp: 471361

Ion Ratio Lower Upper

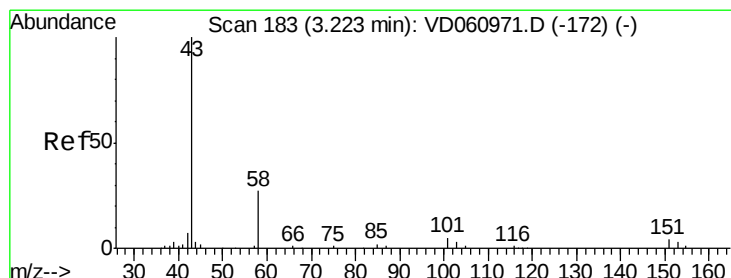
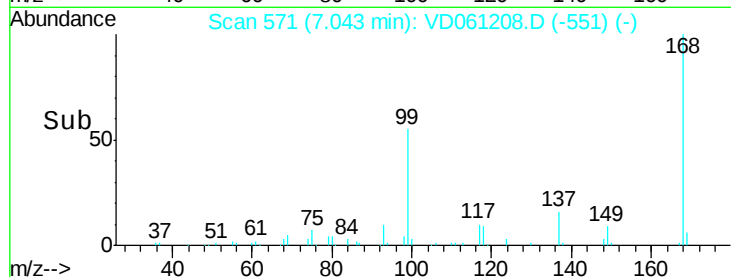
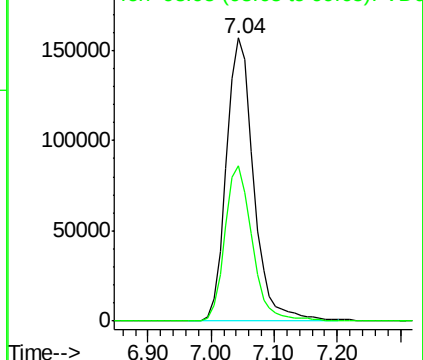
168 100

99 54.9 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: 37.943 ug/l

RT: 3.22 min Scan# 183

Delta R.T. 0.00 min

Lab File: VD061208.D

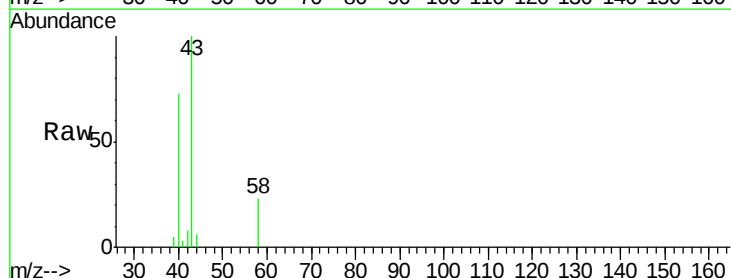
Acq: 20 Mar 2019 15:18

Tgt Ion: 43 Resp: 42571

Ion Ratio Lower Upper

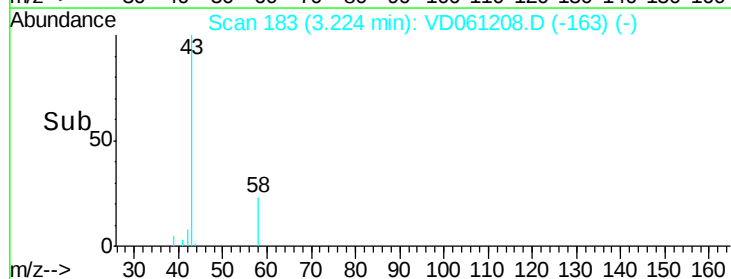
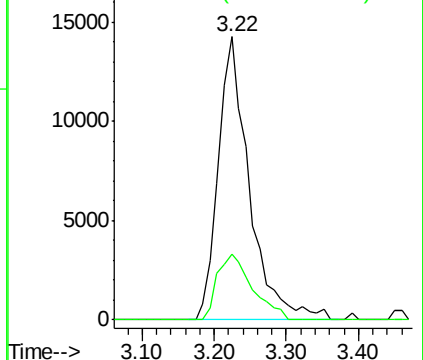
43 100

58 23.1 21.6 32.4



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC

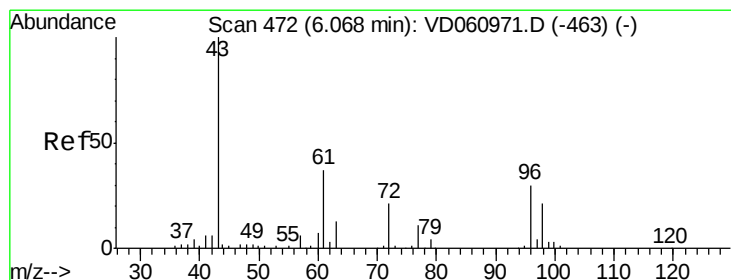
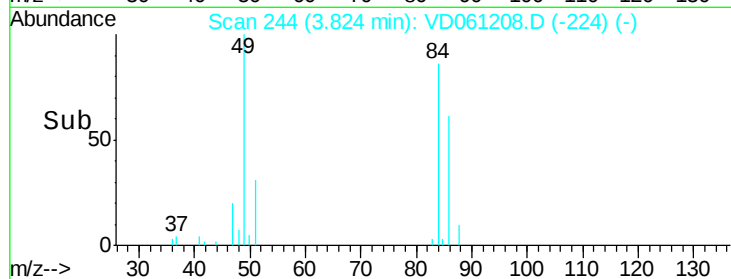
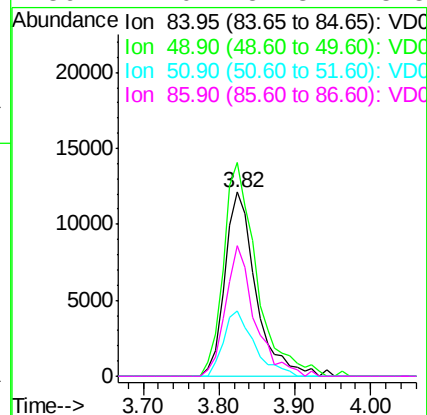
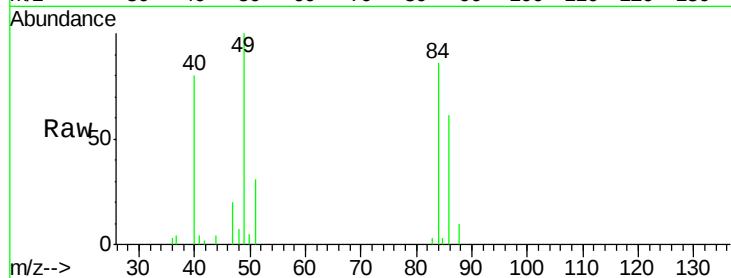




#20
Methylene Chloride
Concen: 2.291 ug/l
RT: 3.82 min Scan# 244
Delta R.T. 0.00 min
Lab File: VD061208.D
Acq: 20 Mar 2019 15:18

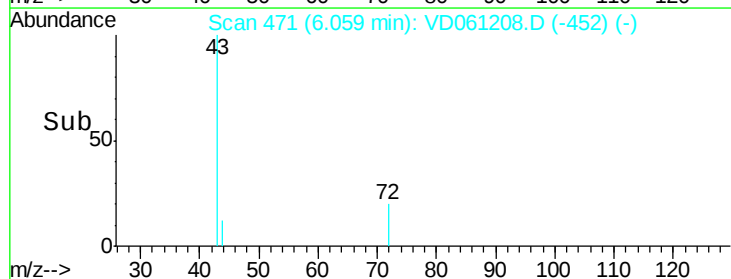
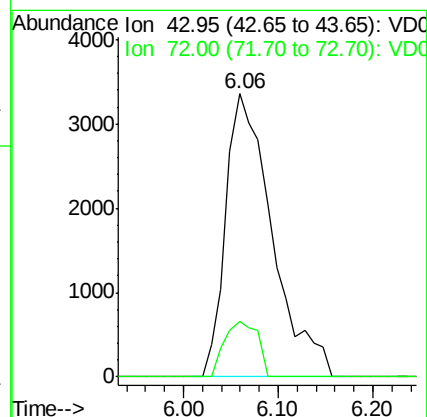
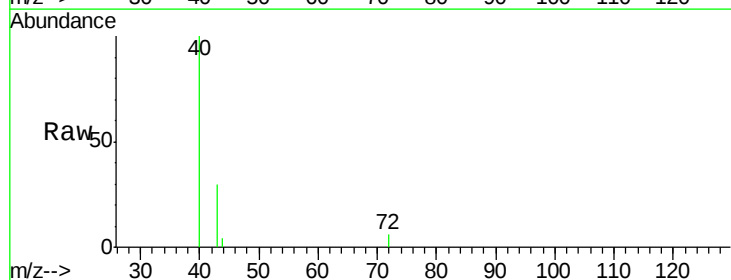
Instrument :
MSVOA_D
ClientSampled :

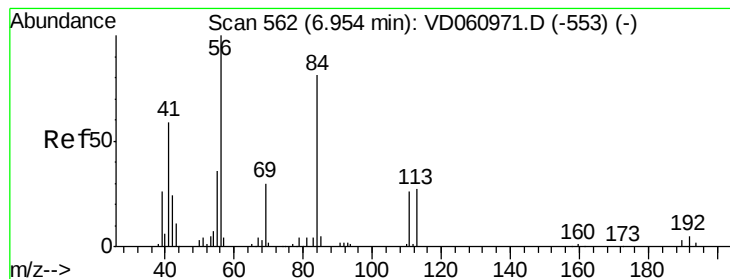
Tot Ion: 84 Resp: 34486
Ion Ratio Lower Upper
84 100
49 116.0 104.2 156.2
51 35.7 32.3 48.5
86 71.0 52.3 78.5



#25
2-Butanone
Concen: 8.960 ug/l
RT: 6.06 min Scan# 471
Delta R.T. -0.01 min
Lab File: VD061208.D
Acq: 20 Mar 2019 15:18

Tgt Ion: 43 Resp: 11407
Ion Ratio Lower Upper
43 100
72 19.8 16.7 25.1





#31

Cyclohexane

Concen: 1.130 ug/l

RT: 7.03 min Scan# 570

Delta R.T. 0.08 min

Lab File: VD061208.D

Acq: 20 Mar 2019 15:18

Instrument :

MSVOA_D

ClientSampleId :

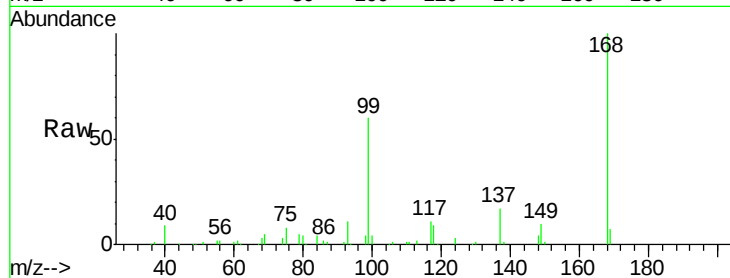
Tot Ion: 56 Resp: 7843

Ion Ratio Lower Upper

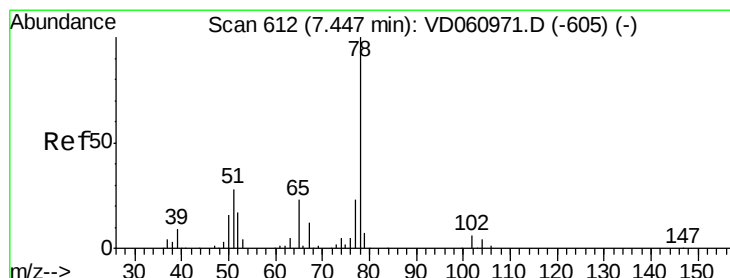
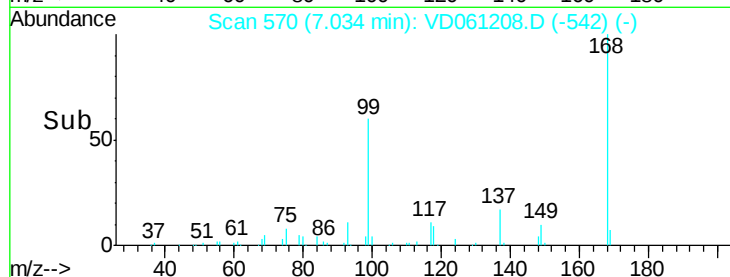
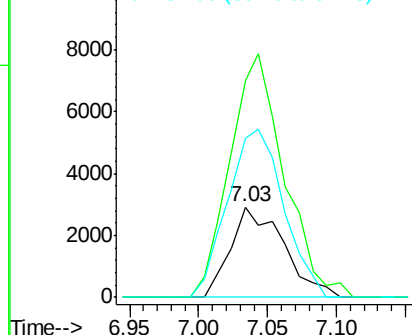
56 100

69 239.8 24.0 36.0#

84 176.4 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: VD061208.D

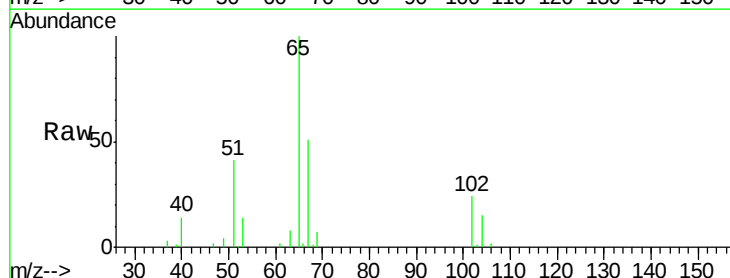
Acq: 20 Mar 2019 15:18

Tgt Ion: 65 Resp: 205426

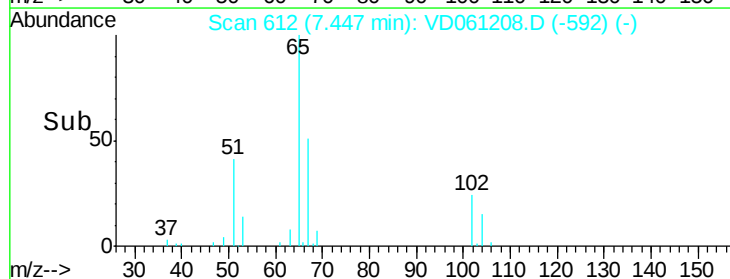
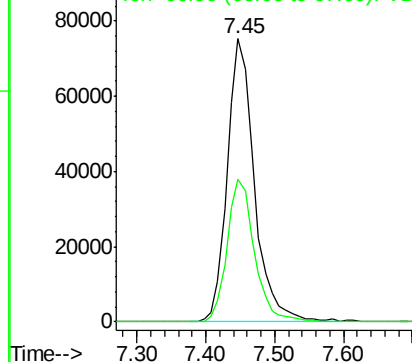
Ion Ratio Lower Upper

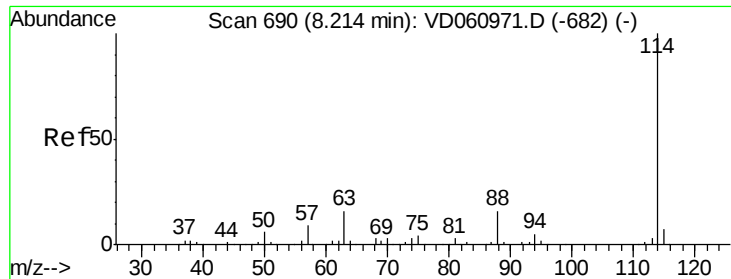
65 100

67 50.6 0.0 105.2



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

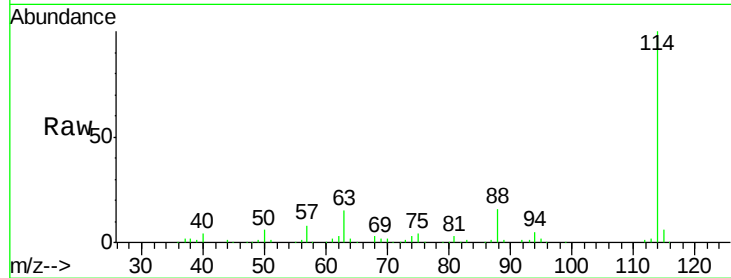




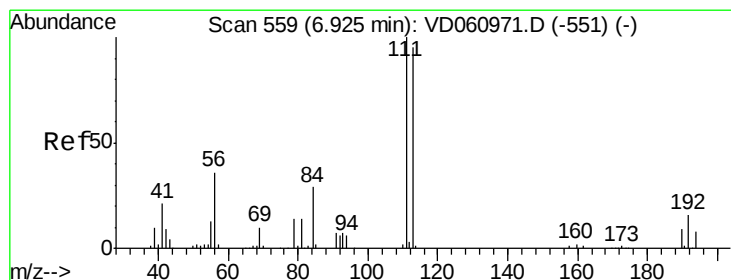
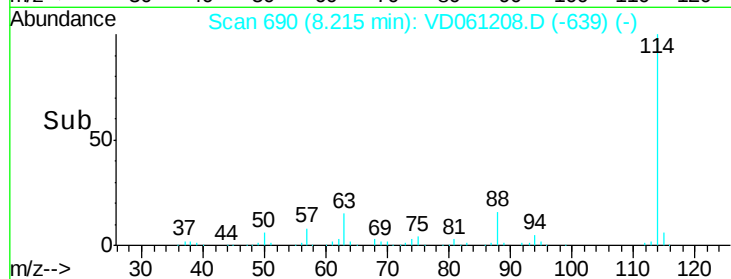
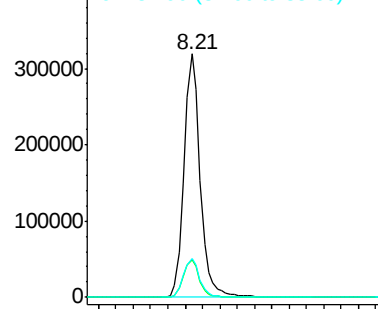
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.21 min Scan# 690
 Delta R.T. 0.00 min
 Lab File: VD061208.D
 Acq: 20 Mar 2019 15:18

Instrument :
 MSVOA_D
 ClientSampleId :

Tot Ion:114 Resp: 829956
 Ion Ratio Lower Upper
 114 100
 63 15.2 0.0 31.4
 88 15.9 0.0 33.0

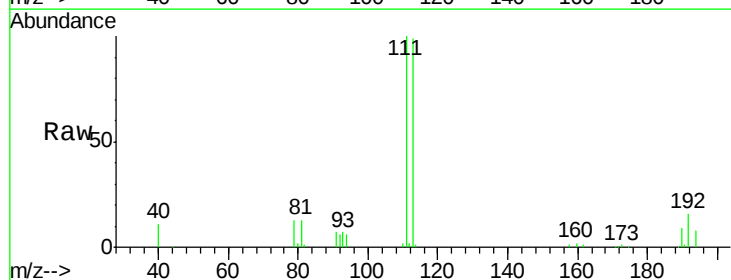


Abundance Ion 114.00 (113.70 to 114.70): V
 Ion 62.95 (62.65 to 63.65): V
 Ion 87.90 (87.60 to 88.60): V

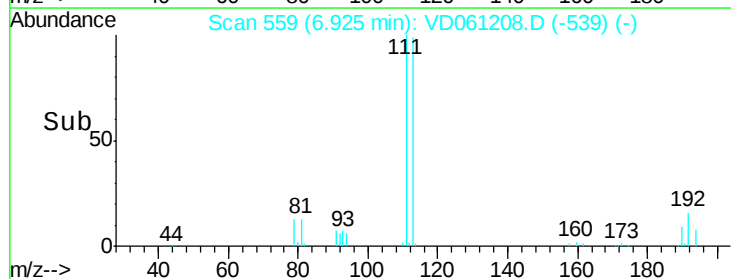
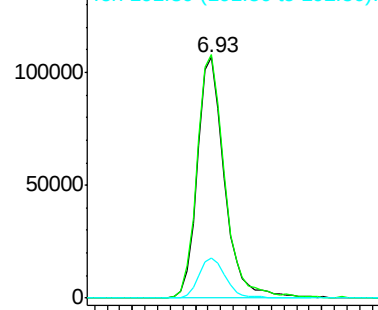


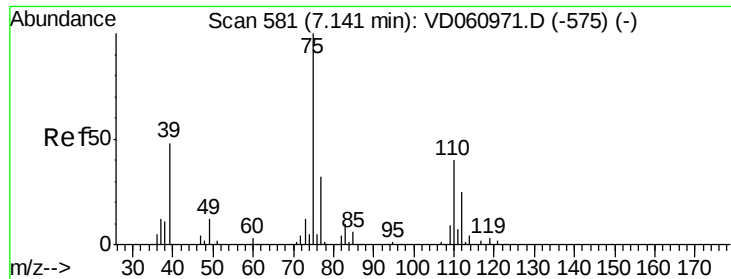
#35
 Dibromofluoromethane
 Concen: 50.000 ug/l
 RT: 6.93 min Scan# 559
 Delta R.T. 0.00 min
 Lab File: VD061208.D
 Acq: 20 Mar 2019 15:18

Tgt Ion:113 Resp: 318942
 Ion Ratio Lower Upper
 113 100
 111 101.1 84.2 126.4
 192 16.7 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

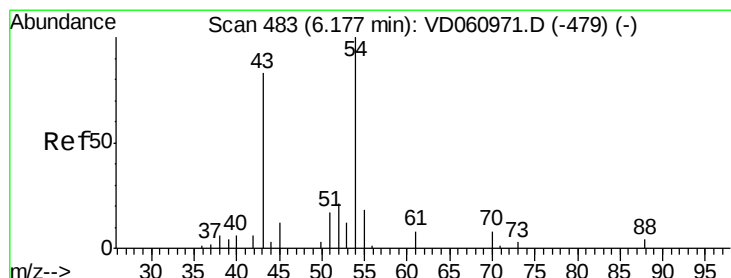
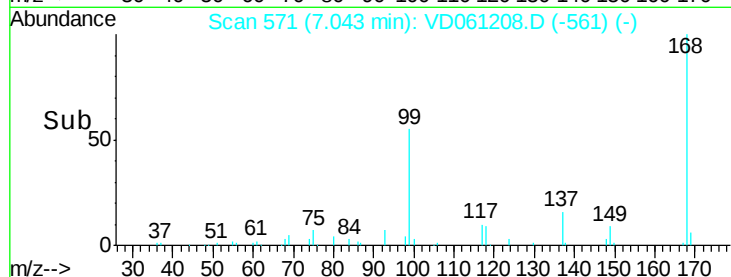
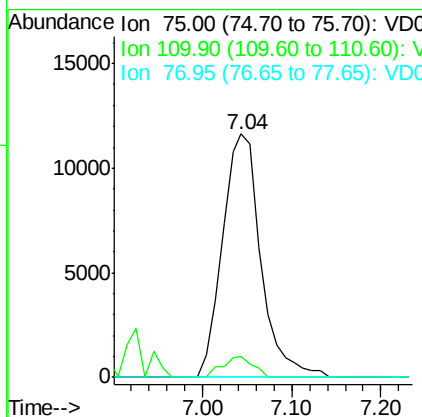
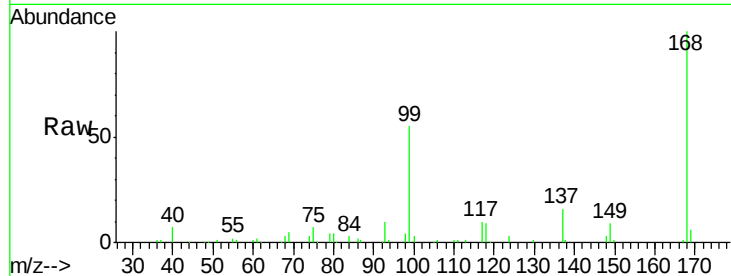




#36
 1,1-Dichloropropene
 Concen: 4.889 ug/l
 RT: 7.04 min Scan# 571
 Delta R.T. -0.10 min
 Lab File: VD061208.D
 Acq: 20 Mar 2019 15:18

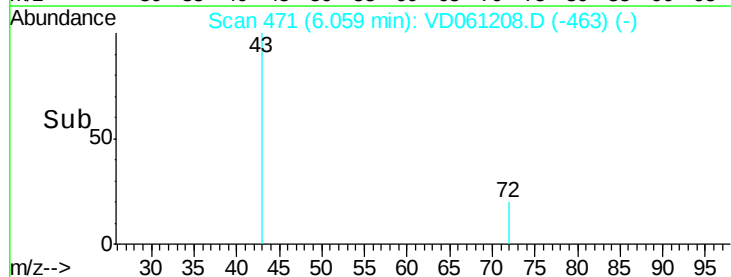
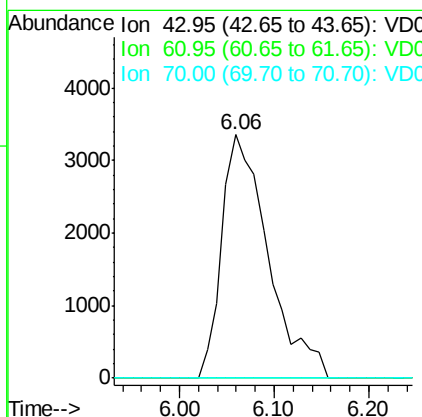
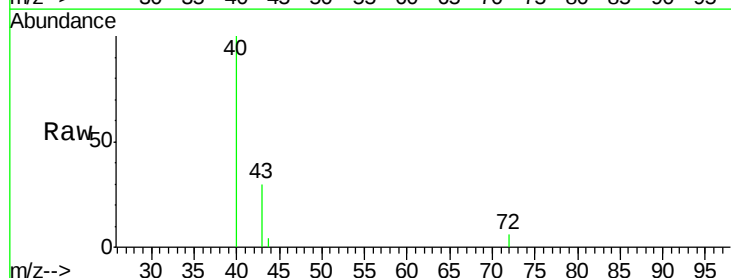
Instrument :
 MSVOA_D
 ClientSampleId :

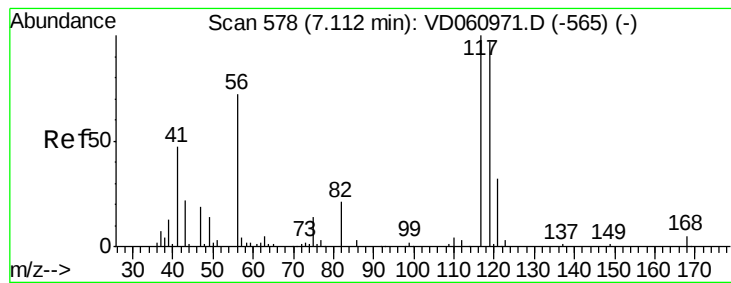
Tot Ion: 75 Resp: 34978
 Ion Ratio Lower Upper
 75 100
 110 8.4 19.7 59.1#
 77 0.0 24.7 37.1#



#37
 Ethyl Acetate
 Concen: 3.398 ug/l
 RT: 6.06 min Scan# 471
 Delta R.T. -0.12 min
 Lab File: VD061208.D
 Acq: 20 Mar 2019 15:18

Tgt Ion: 43 Resp: 11407
 Ion Ratio Lower Upper
 43 100
 61 0.0 13.7 20.5#
 70 0.0 7.1 10.7#





#38

Carbon Tetrachloride

Concen: 5.725 ug/l

RT: 7.04 min Scan# 571

Delta R.T. -0.07 min

Lab File: VD061208.D

Acq: 20 Mar 2019 15:18

Instrument :

MSVOA_D

ClientSampled :

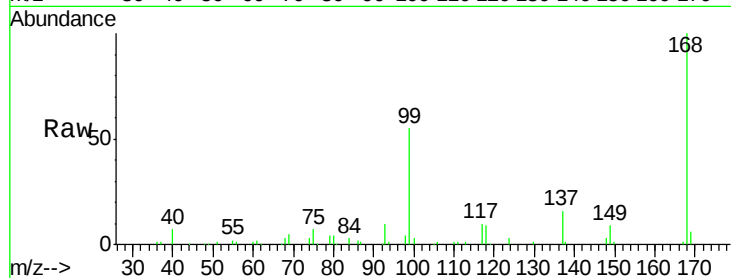
Tot Ion:117 Resp: 45117

Ion Ratio Lower Upper

117 100

119 4.3 77.8 116.8#

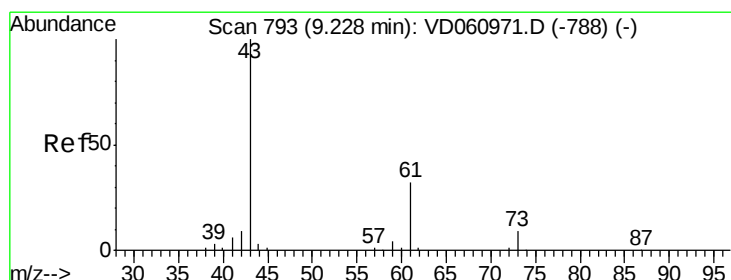
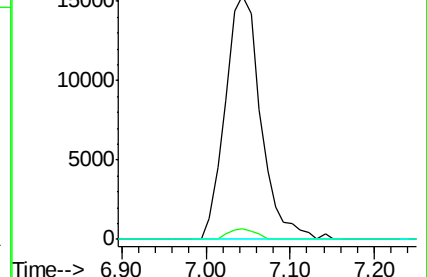
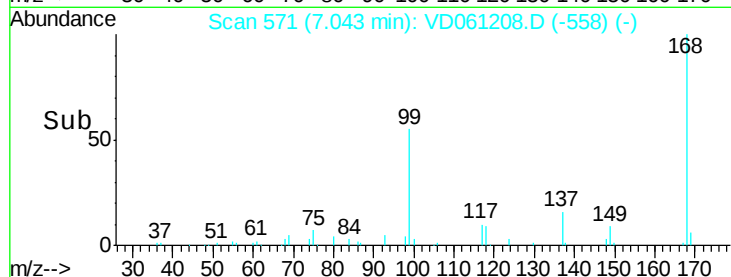
121 0.0 25.3 37.9#



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



#43

Isopropyl Acetate

Concen: 1.650 ug/l

RT: 9.54 min Scan# 825

Delta R.T. 0.32 min

Lab File: VD061208.D

Acq: 20 Mar 2019 15:18

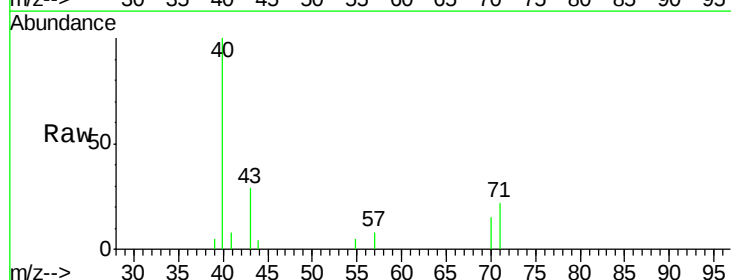
Tgt Ion: 43 Resp: 7673

Ion Ratio Lower Upper

43 100

61 0.0 25.6 38.4#

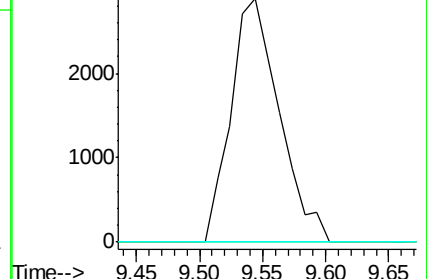
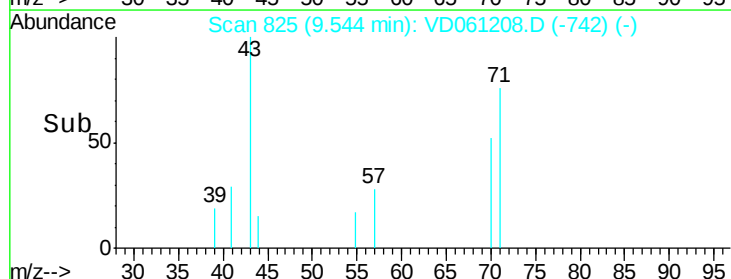
87 0.0 0.2 0.4#

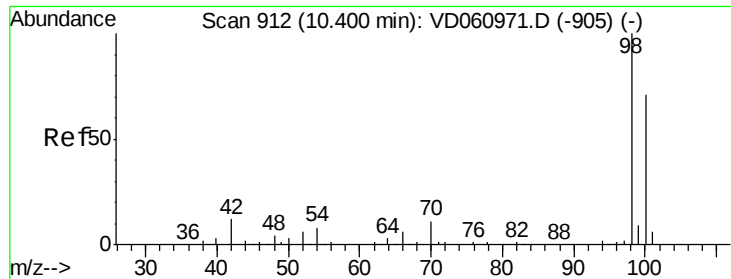


Abundance Ion 42.95 (42.65 to 43.65): VDC

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: VD061208.D

Acq: 20 Mar 2019 15:18

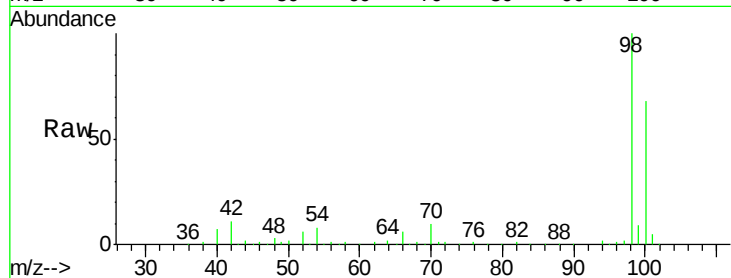
Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 98 Resp: 714702

Ion Ratio Lower Upper

98 100

100 68.4 57.4 86.2



Abundance Ion 98.05 (97.75 to 98.75): VD060971.D (-905) (-)

Ion 100.05 (99.75 to 100.75): VD060971.D (-905) (-)

10.40

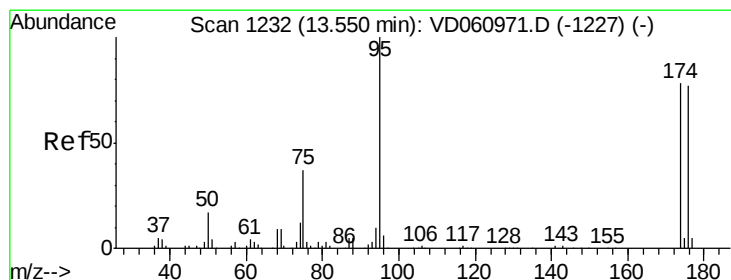
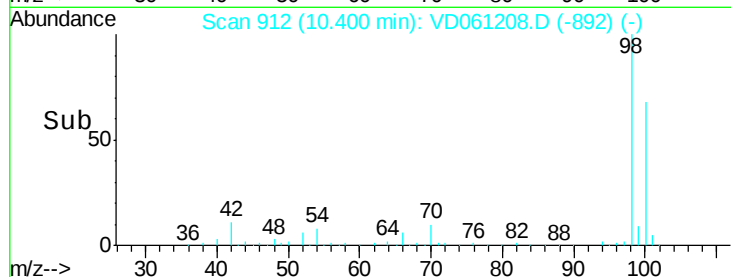
300000

200000

100000

0

Time-->



#62

4-Bromofluorobenzene

Concen: N.D. ug/l

RT: 13.55 min Scan# 1232

Delta R.T. 0.00 min

Lab File: VD061208.D

Acq: 20 Mar 2019 15:18

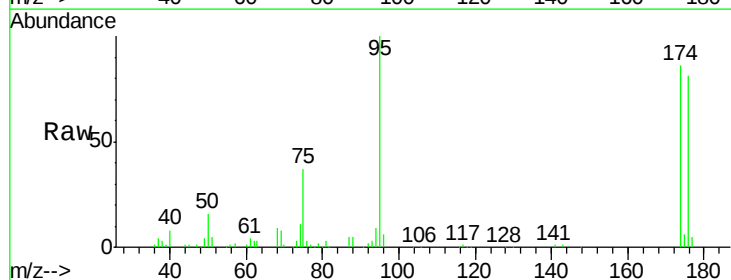
Tgt Ion: 95 Resp: 195271

Ion Ratio Lower Upper

95 100

174 85.9 0.0 155.6

176 81.4 0.0 153.8



Abundance Ion 95.00 (94.70 to 95.70): VD060971.D (-1227) (-)

Ion 173.90 (173.60 to 174.60): VD060971.D (-1227) (-)

Ion 175.90 (175.60 to 176.60): VD060971.D (-1227) (-)

13.55

200000

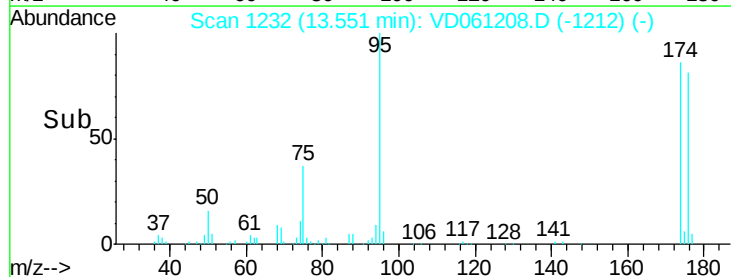
150000

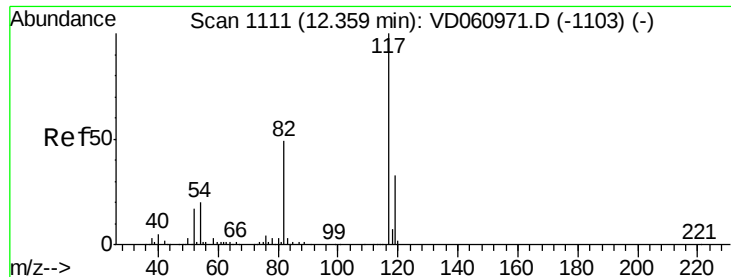
100000

50000

0

Time-->

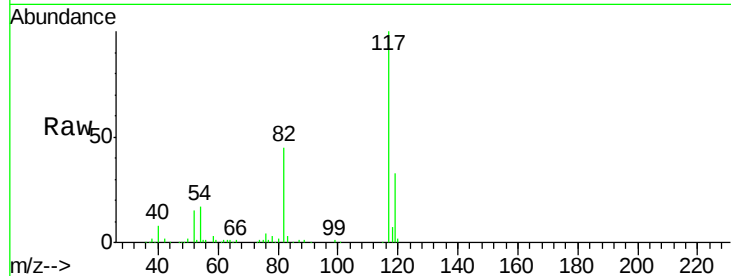




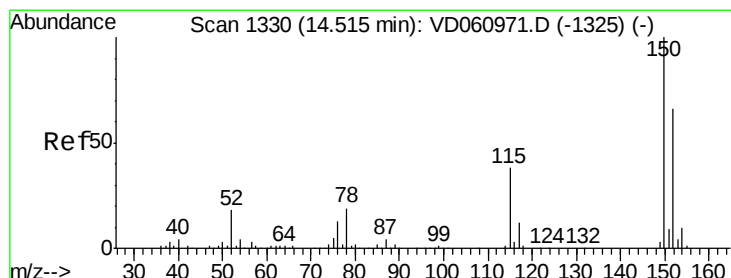
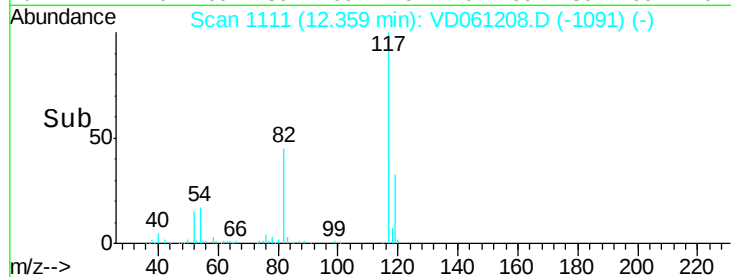
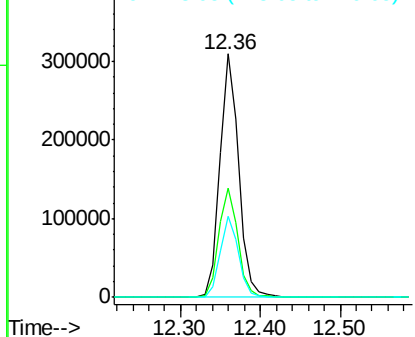
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 12.36 min Scan# 1111
Delta R.T. 0.00 min
Lab File: VD061208.D
Acq: 20 Mar 2019 15:18

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion:117 Resp: 517797
Ion Ratio Lower Upper
117 100
82 45.0 38.9 58.3
119 33.1 26.6 39.8

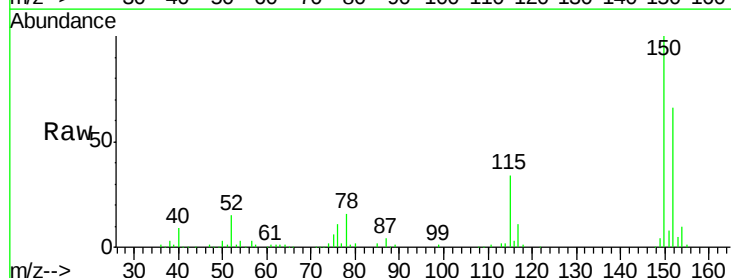


Abundance Ion 116.95 (116.65 to 117.65): V
Ion 82.05 (81.75 to 82.75): V
Ion 118.95 (118.65 to 119.65): V

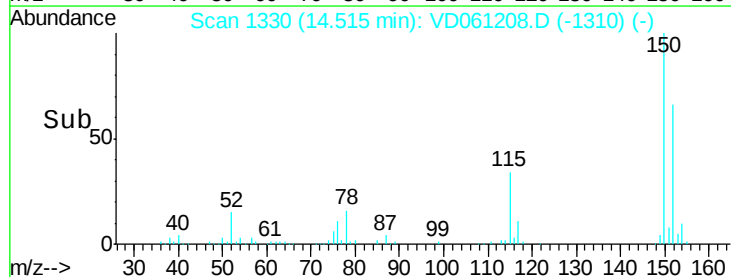
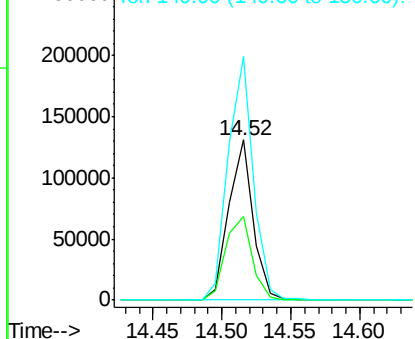


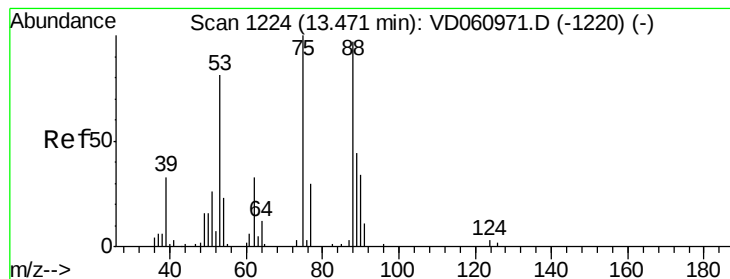
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 14.52 min Scan# 1330
Delta R.T. 0.00 min
Lab File: VD061208.D
Acq: 20 Mar 2019 15:18

Tgt Ion:152 Resp: 160097
Ion Ratio Lower Upper
152 100
115 52.2 28.6 85.9
150 152.2 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: 107.932 ug/l

RT: 13.55 min Scan# 1232

Delta R.T. 0.08 min

Lab File: VD061208.D

Acq: 20 Mar 2019 15:18

Instrument :

MSVOA_D

ClientSampleId :

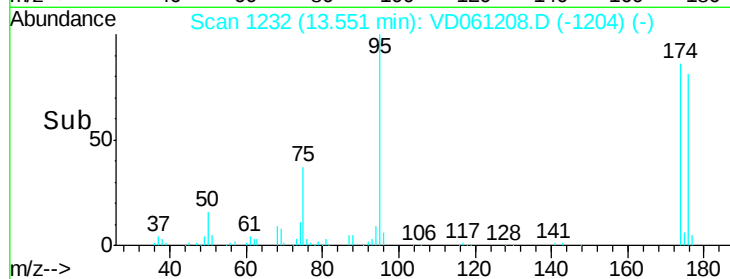
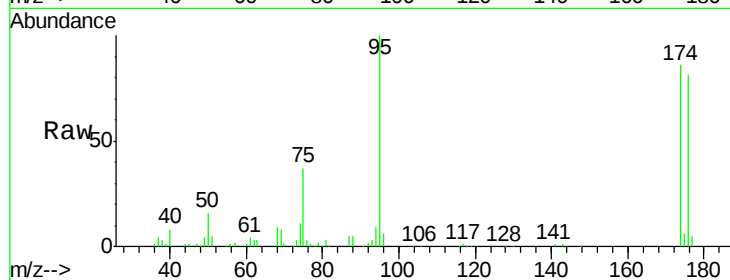
Tot Ion: 75 Resp: 73292

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

