

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD032019\
 Data File : VD061213.D
 Acq On : 20 Mar 2019 17:36
 Operator : VA/AP
 Sample : K1984-04RE
 Misc : 5.27g/5ml/MSVOA D/SOIL
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Mar 22 02:01:44 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	491044	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.21	114	810118	50.00	ug/l	0.00
63) Chlorobenzene-d5	12.35	117	566656	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	14.51	152	144615	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	7.44	65	227980	55.78	ug/l	0.00
Spiked Amount	50.000		Recovery	=	111.56%	
35) Dibromofluoromethane	6.92	113	362435	60.28	ug/l	0.00
Spiked Amount	50.000		Recovery	=	120.56%	
50) Toluene-d8	10.41	98	717046	47.49	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.98%	
62) 4-Bromofluorobenzene	13.55	95	212202	36.22	ug/l	0.00
Spiked Amount	50.000		Recovery	=	72.44%	

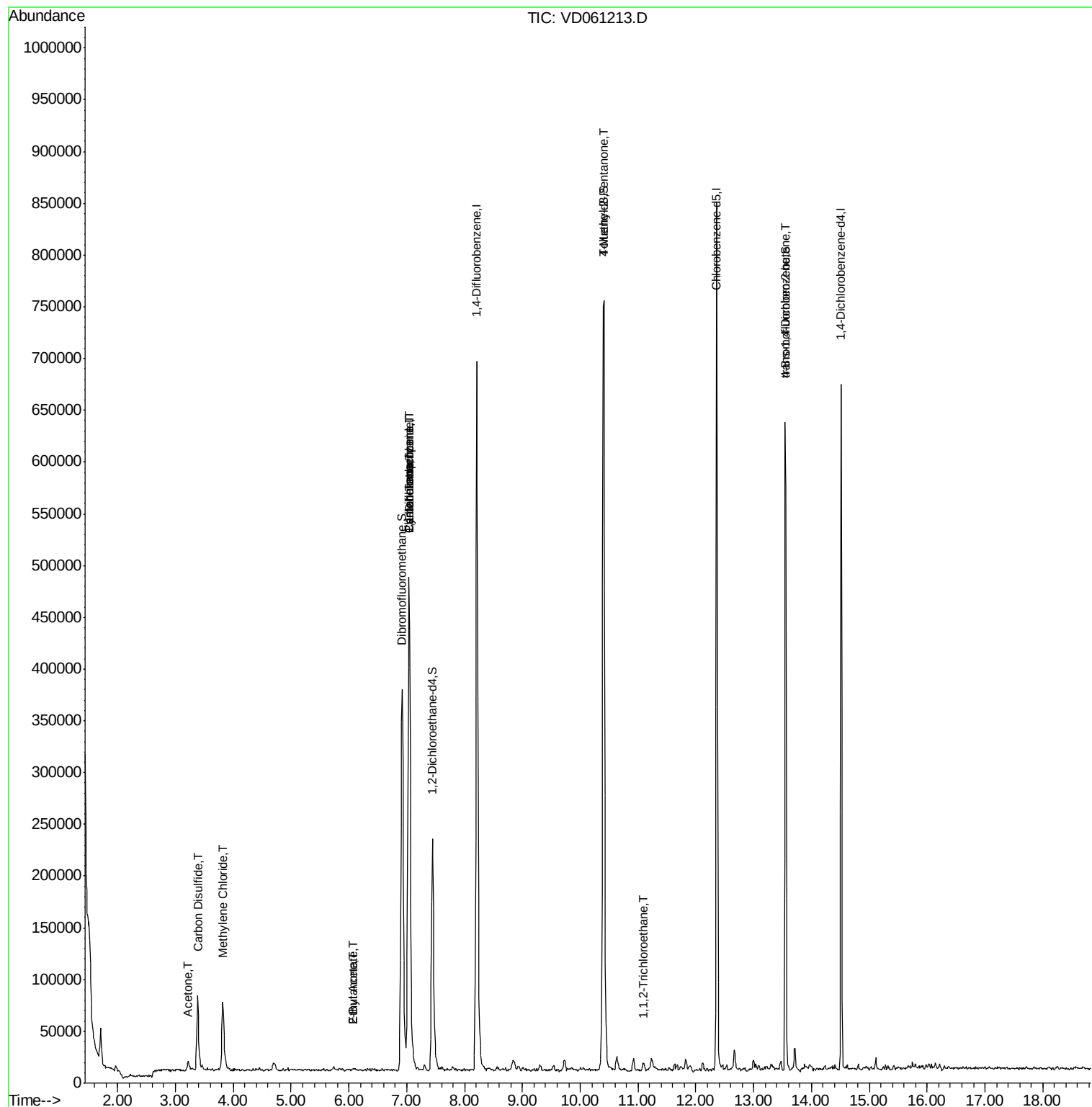
Target Compounds					Qvalue
16) Acetone	3.22	43	16404	14.035	ug/l 98
17) Carbon Disulfide	3.39	76	144000	8.660	ug/l 97
20) Methylene Chloride	3.82	84	51298	5.472	ug/l 90
25) 2-Butanone	6.06	43	3451	2.602	ug/l # 55
31) Cyclohexane	7.04	56	11233	1.553	ug/l # 1
36) 1,1-Dichloropropene	7.04	75	35702	5.113	ug/l # 45
37) Ethyl Acetate	6.06	43	3451	1.053	ug/l # 66
38) Carbon Tetrachloride	7.04	117	47477	6.172	ug/l # 14
51) 4-Methyl-2-Pentanone	10.41	43	4347	1.563	ug/l # 1
55) 1,1,2-Trichloroethane	11.09	97	4245	1.175	ug/l # 15
81) trans-1,4-Dichloro-2-buten	13.55	75	77173	125.814	ug/l # 17

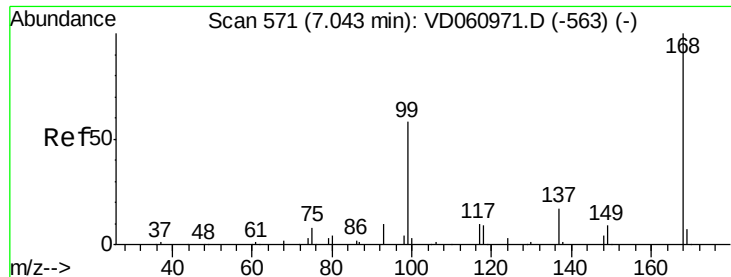
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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. -0.00 min

Lab File: VD061213.D

Acq: 20 Mar 2019 17:36

Instrument :

MSVOA_D

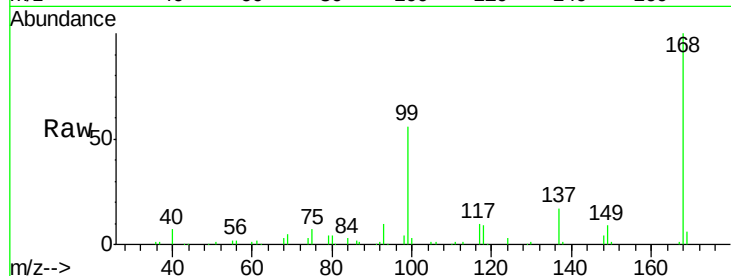
ClientSampleId :

Tot Ion:168 Resp: 491044

Ion Ratio Lower Upper

168 100

99 56.5 47.3 70.9



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC

7.04

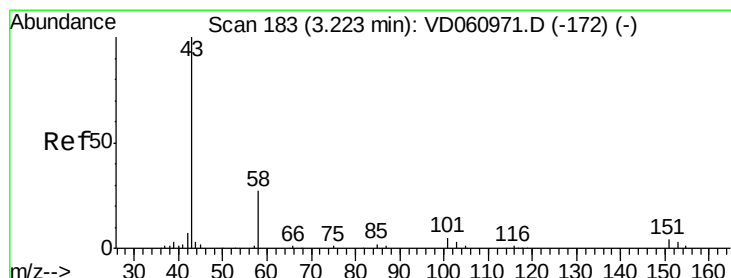
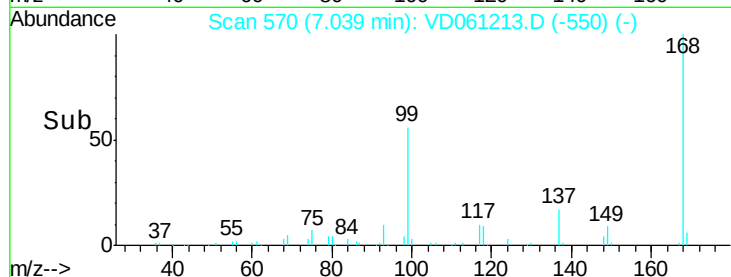
150000

100000

50000

0

Time-->



#16

Acetone

Concen: 14.035 ug/l

RT: 3.22 min Scan# 182

Delta R.T. -0.00 min

Lab File: VD061213.D

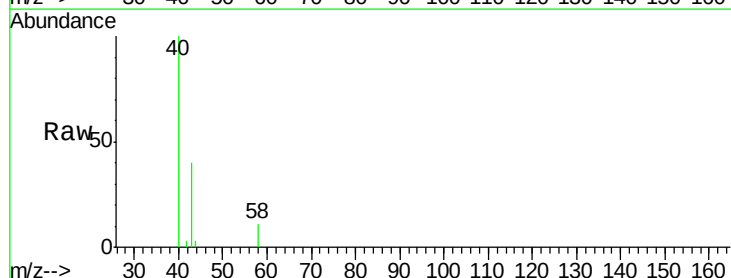
Acq: 20 Mar 2019 17:36

Tgt Ion: 43 Resp: 16404

Ion Ratio Lower Upper

43 100

58 28.0 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

6000

5000

4000

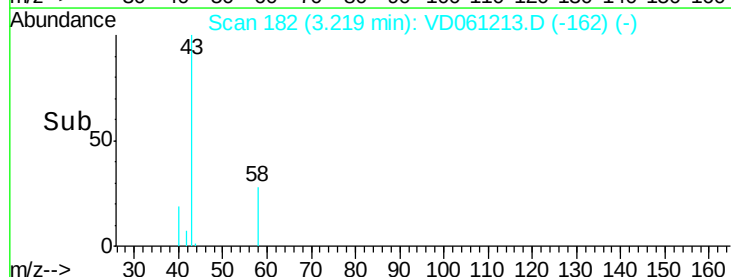
3000

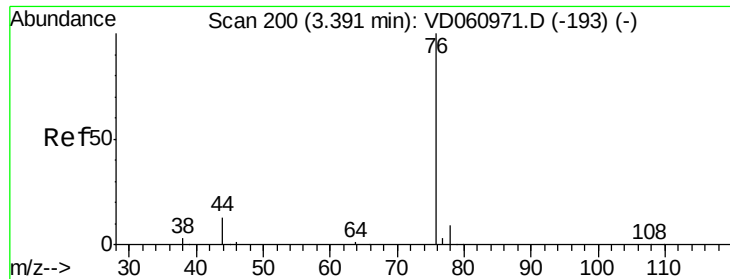
2000

1000

0

Time-->





#17

Carbon Disulfide

Concen: 8.660 ug/l

RT: 3.39 min Scan# 199

Delta R.T. -0.00 min

Lab File: VD061213.D

Acq: 20 Mar 2019 17:36

Instrument :

MSVOA_D

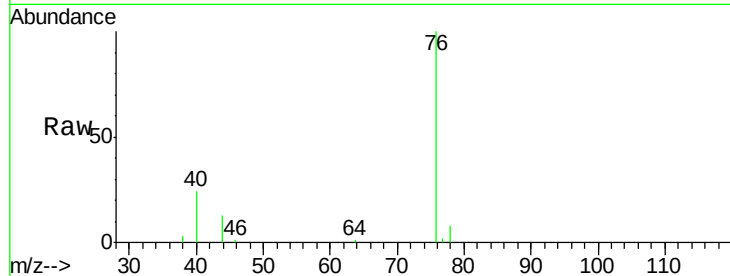
ClientSampleId :

Tot Ion: 76 Resp: 144000

Ion Ratio Lower Upper

76 100

78 8.2 7.4 11.2



Abundance Ion 75.85 (75.55 to 76.55): VDC

Ion 77.85 (77.55 to 78.55): VDC

3.39

60000

50000

40000

30000

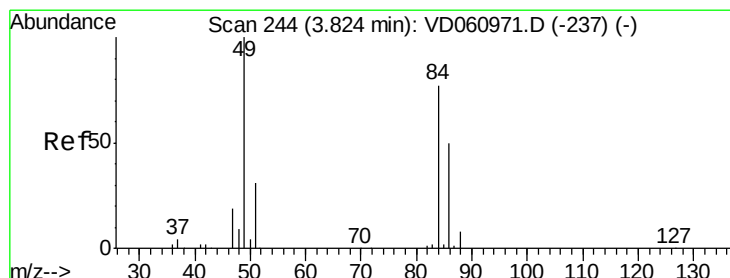
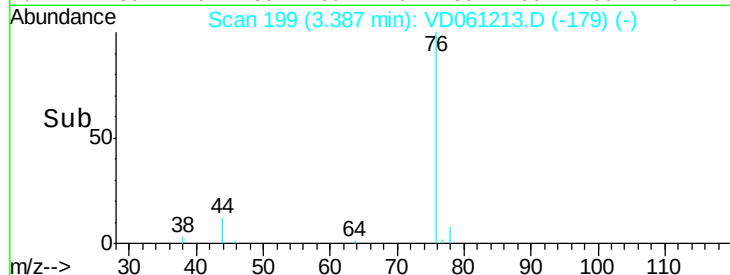
20000

10000

0

Time-->

3.30 3.40 3.50 3.60



#20

Methylene Chloride

Concen: 5.472 ug/l

RT: 3.82 min Scan# 243

Delta R.T. -0.00 min

Lab File: VD061213.D

Acq: 20 Mar 2019 17:36

Tgt Ion: 84 Resp: 51298

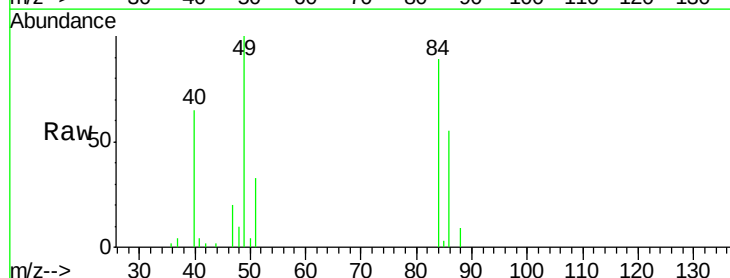
Ion Ratio Lower Upper

84 100

49 112.7 104.2 156.2

51 37.1 32.3 48.5

86 62.2 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

30000

25000

20000

15000

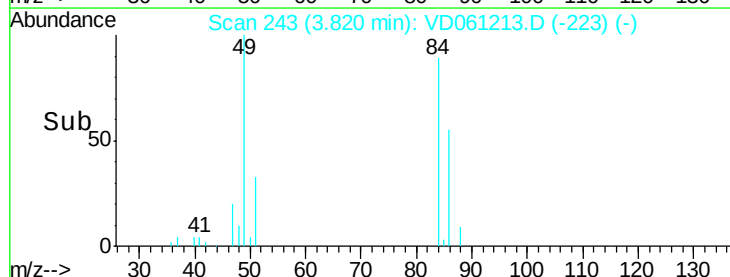
10000

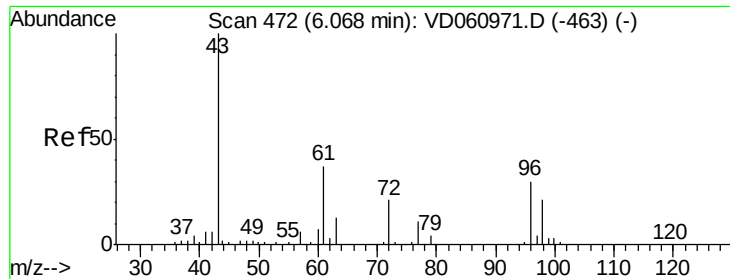
5000

0

Time-->

3.70 3.80 3.90 4.00





#25

2-Butanone

Concen: 2.602 ug/l

RT: 6.06 min Scan# 471

Delta R.T. -0.00 min

Lab File: VD061213.D

Acq: 20 Mar 2019 17:36

Instrument :

MSVOA_D

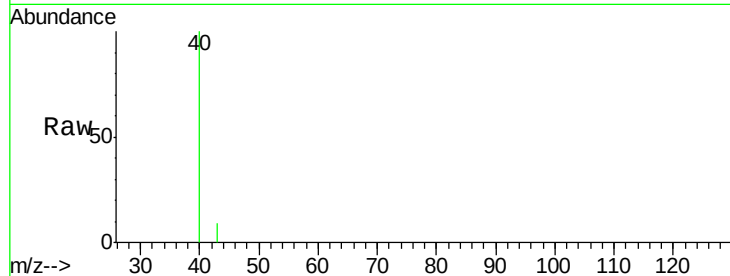
ClientSampleId :

Tot Ion: 43 Resp: 3451

Ion Ratio Lower Upper

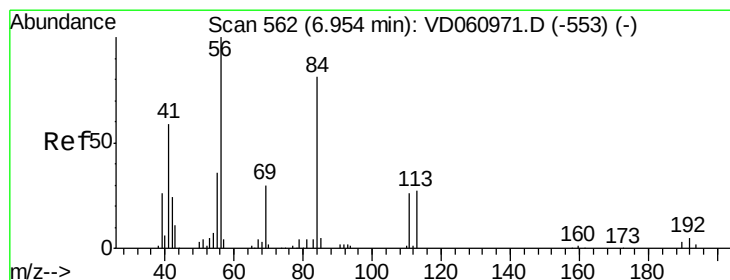
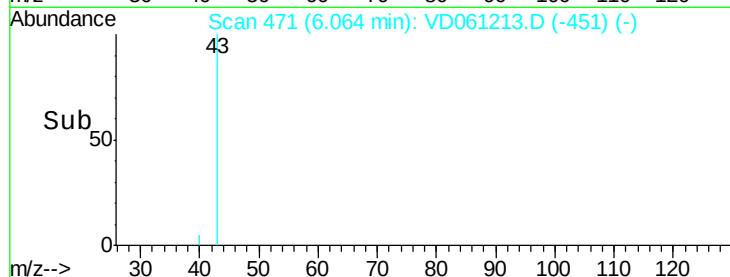
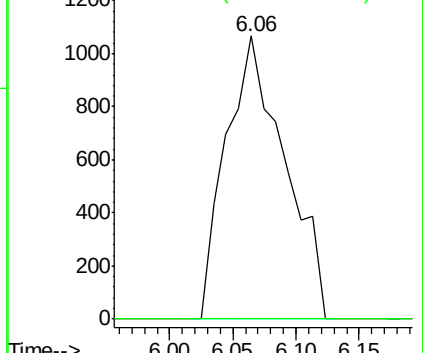
43 100

72 0.0 16.7 25.1#



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 72.00 (71.70 to 72.70): VDC



#31

Cyclohexane

Concen: 1.553 ug/l

RT: 7.04 min Scan# 570

Delta R.T. 0.08 min

Lab File: VD061213.D

Acq: 20 Mar 2019 17:36

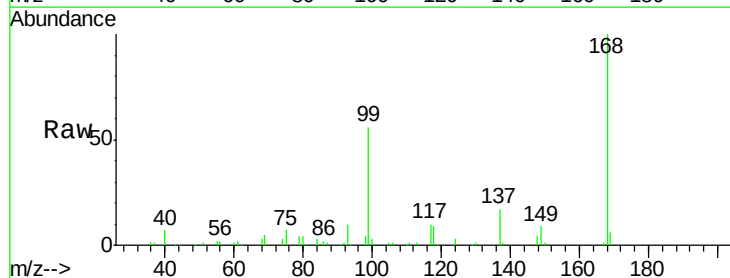
Tgt Ion: 56 Resp: 11233

Ion Ratio Lower Upper

56 100

69 246.8 24.0 36.0#

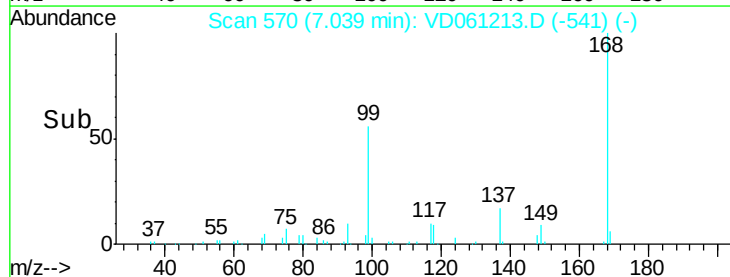
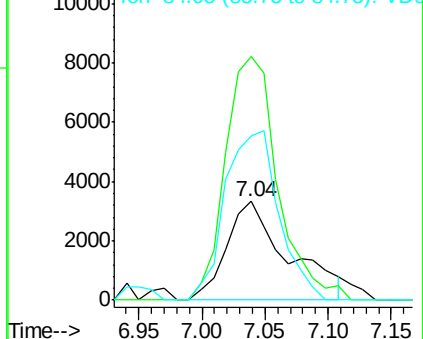
84 166.3 65.8 98.6#

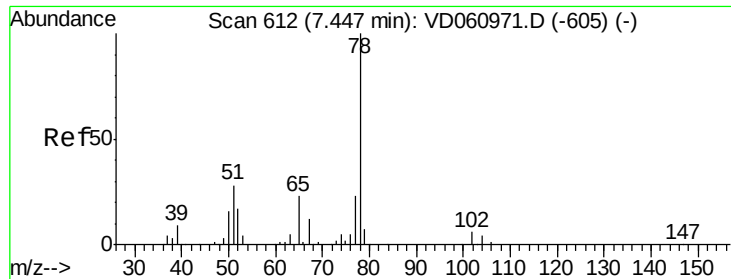


Abundance Ion 55.95 (55.65 to 56.65): VDC

Ion 69.00 (68.70 to 69.70): VDC

Ion 84.05 (83.75 to 84.75): VDC

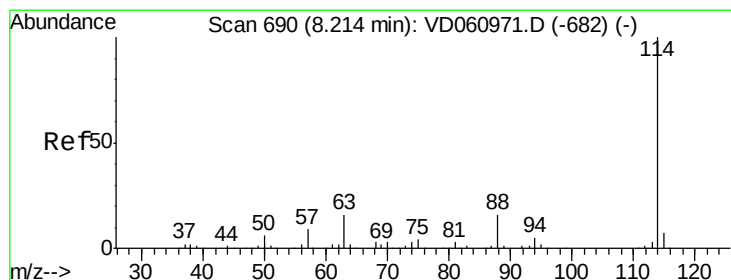
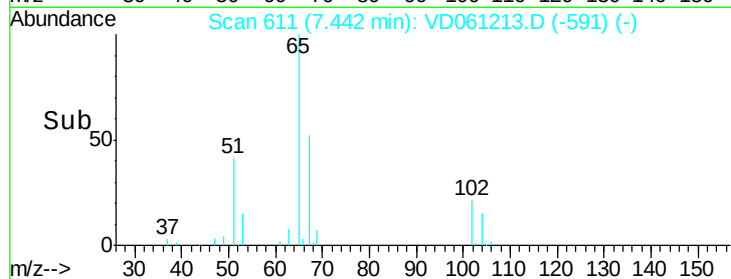
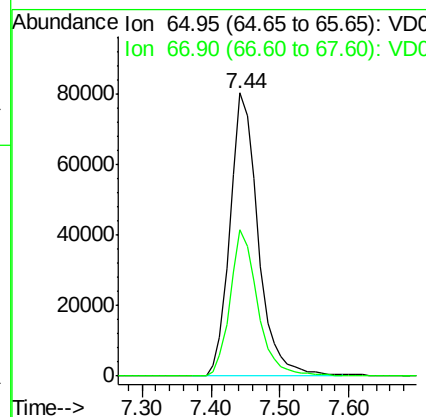
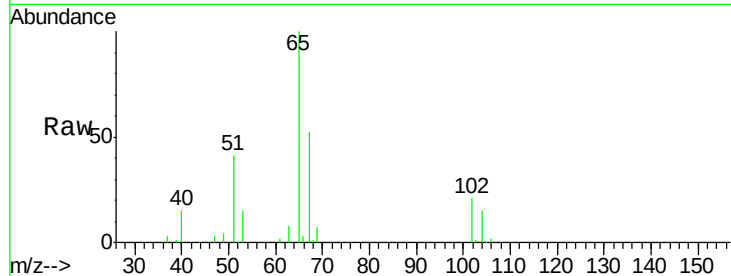




#33
 1,2-Dichloroethane-d4
 Concen: N.D. ug/l
 RT: 7.44 min Scan# 611
 Delta R.T. -0.00 min
 Lab File: VD061213.D
 Acq: 20 Mar 2019 17:36

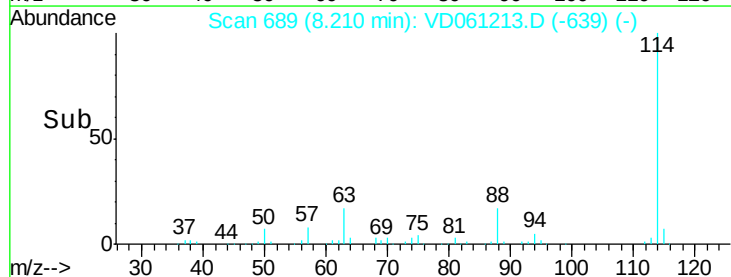
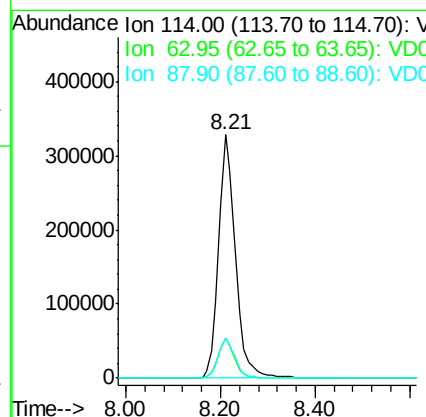
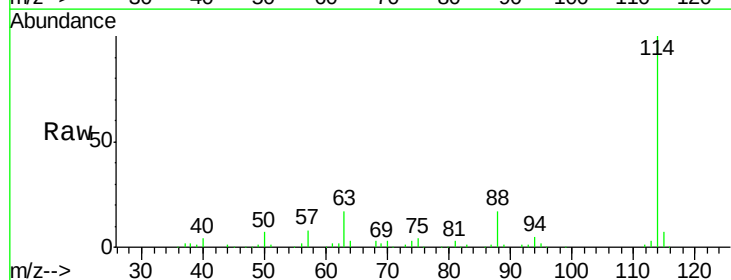
Instrument :
 MSVOA_D
 ClientSampleId :

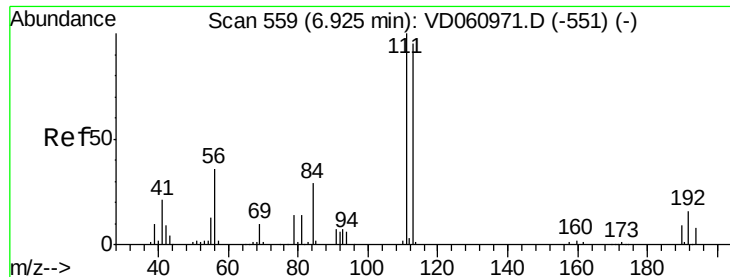
Tot Ion: 65 Resp: 227980
 Ion Ratio Lower Upper
 65 100
 67 51.6 0.0 105.2



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.21 min Scan# 689
 Delta R.T. -0.00 min
 Lab File: VD061213.D
 Acq: 20 Mar 2019 17:36

Tgt Ion: 114 Resp: 810118
 Ion Ratio Lower Upper
 114 100
 63 16.6 0.0 31.4
 88 16.6 0.0 33.0





#35

Dibromofluoromethane

Concen: 50.000 ug/l

RT: 6.92 min Scan# 558

Delta R.T. -0.00 min

Lab File: VD061213.D

Acq: 20 Mar 2019 17:36

Instrument :
MSVOA_D
ClientSampleId :

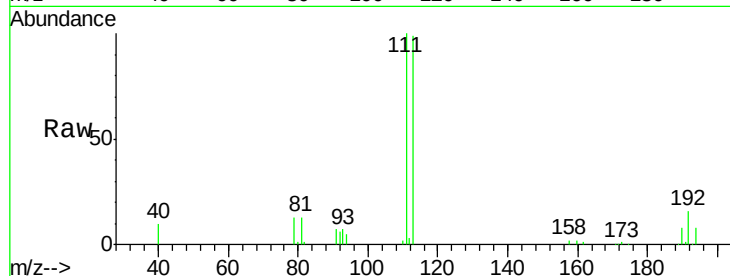
Tot Ion:113 Resp: 362435

Ion Ratio Lower Upper

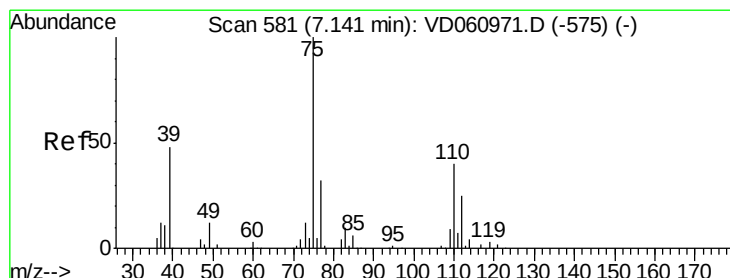
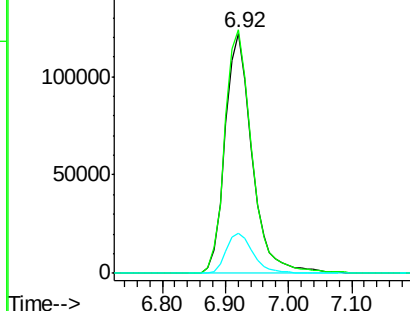
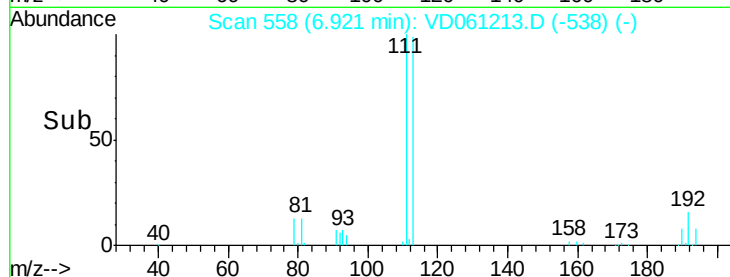
113 100

111 101.4 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: 5.113 ug/l

RT: 7.04 min Scan# 570

Delta R.T. -0.10 min

Lab File: VD061213.D

Acq: 20 Mar 2019 17:36

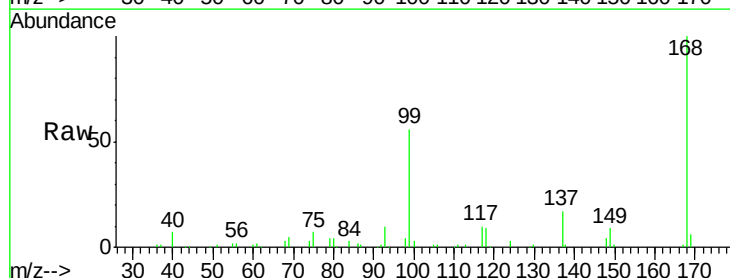
Tgt Ion: 75 Resp: 35702

Ion Ratio Lower Upper

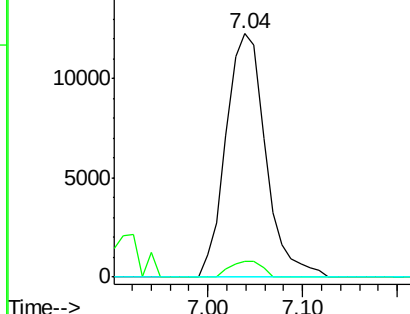
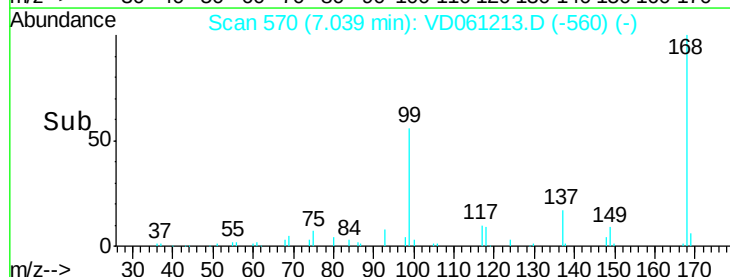
75 100

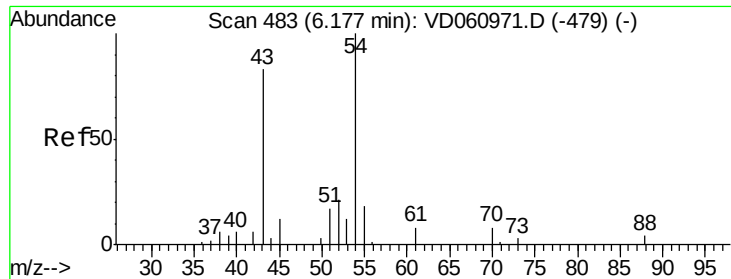
110 6.5 19.7 59.1#

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

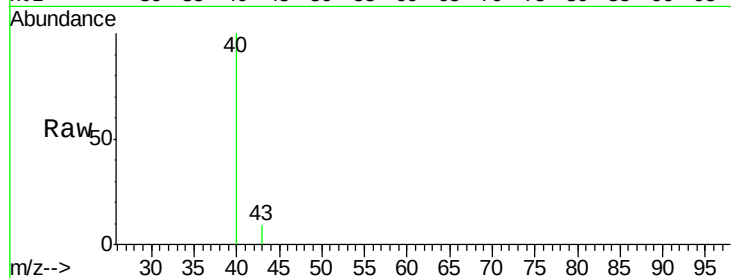




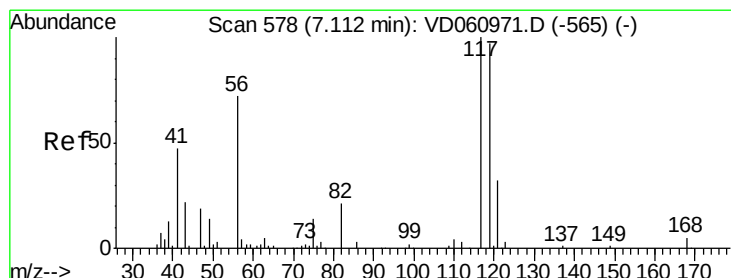
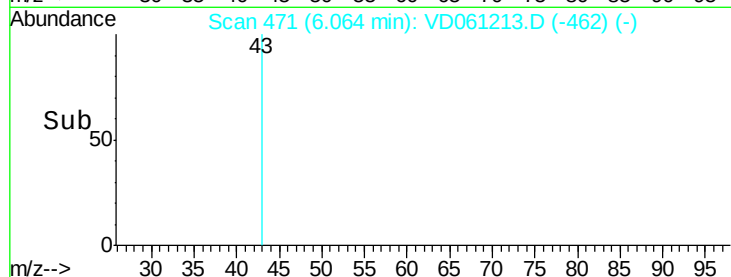
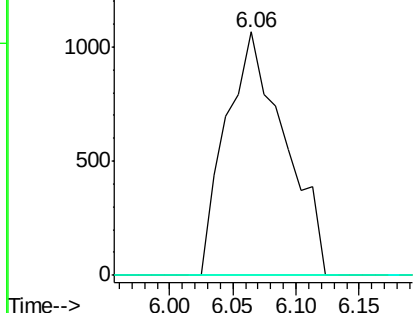
#37
Ethyl Acetate
Concen: 1.053 ug/l
RT: 6.06 min Scan# 471
Delta R.T. -0.11 min
Lab File: VD061213.D
Acq: 20 Mar 2019 17:36

Instrument :
MSVOA_D
ClientSampled :

Tot Ion: 43 Resp: 3451
Ion Ratio Lower Upper
43 100
61 0.0 13.7 20.5#
70 0.0 7.1 10.7#

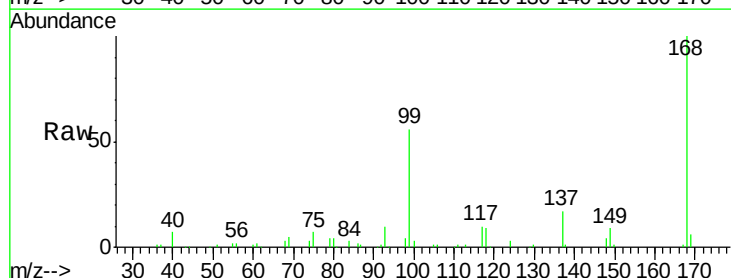


Abundance Ion 42.95 (42.65 to 43.65): VDC
Ion 60.95 (60.65 to 61.65): VDC
Ion 70.00 (69.70 to 70.70): VDC

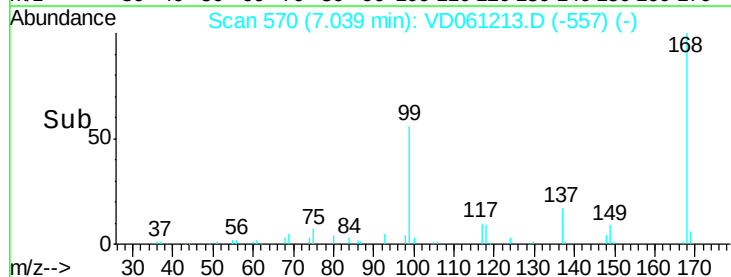
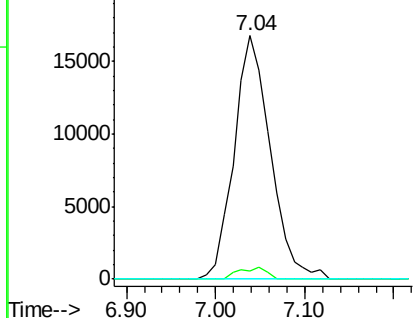


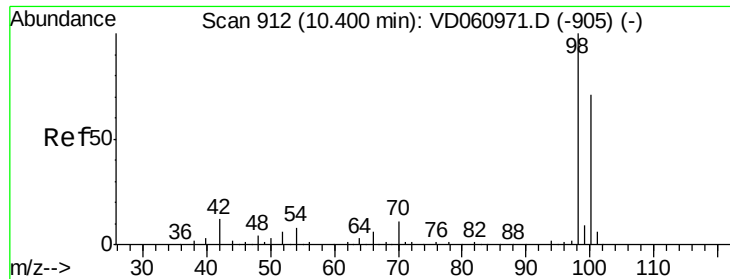
#38
Carbon Tetrachloride
Concen: 6.172 ug/l
RT: 7.04 min Scan# 570
Delta R.T. -0.07 min
Lab File: VD061213.D
Acq: 20 Mar 2019 17:36

Tgt Ion: 117 Resp: 47477
Ion Ratio Lower Upper
117 100
119 3.6 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

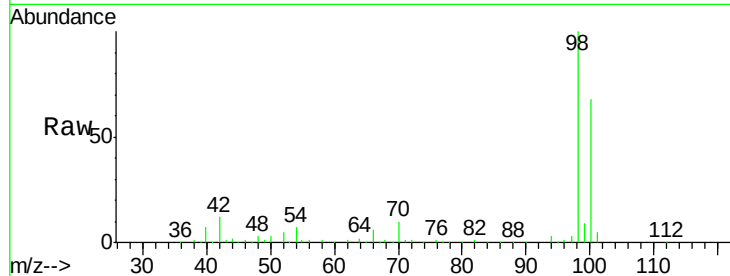




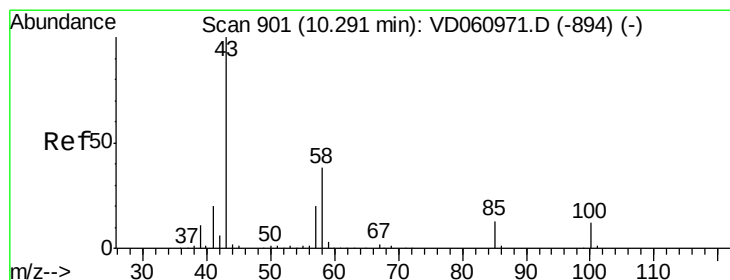
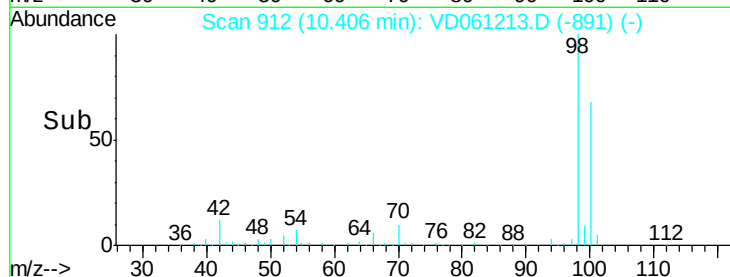
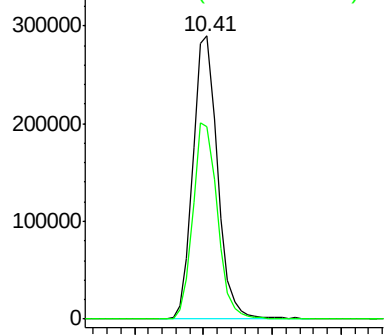
#50
Toluene-d8
Concen: N.D. ug/l
RT: 10.41 min Scan# 912
Delta R.T. 0.01 min
Lab File: VD061213.D
Acq: 20 Mar 2019 17:36

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 98 Resp: 717046
Ion Ratio Lower Upper
98 100
100 68.0 57.4 86.2

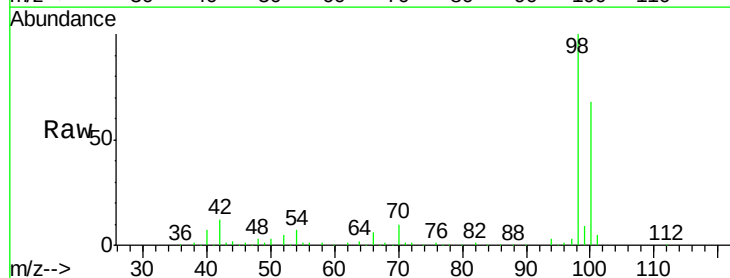


Abundance Ion 98.05 (97.75 to 98.75): VD060971.D (-905) (-)
Ion 100.05 (99.75 to 100.75): VD060971.D (-905) (-)

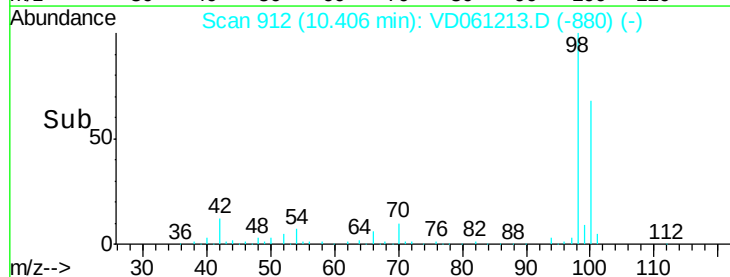
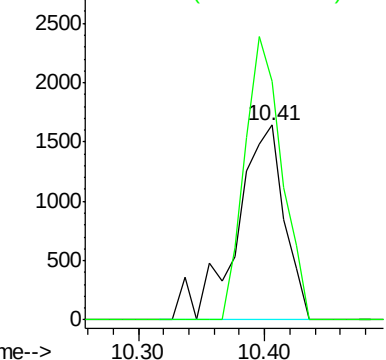


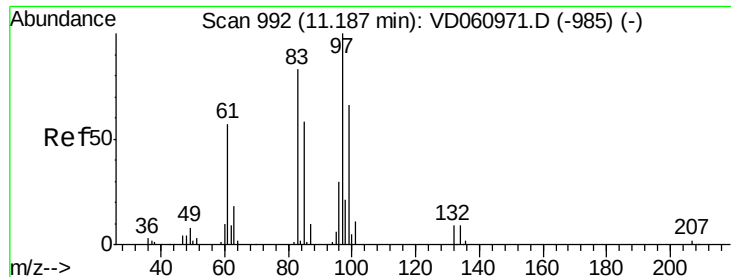
#51
4-Methyl-2-Pentanone
Concen: 1.563 ug/l
RT: 10.41 min Scan# 912
Delta R.T. 0.11 min
Lab File: VD061213.D
Acq: 20 Mar 2019 17:36

Tgt Ion: 43 Resp: 4347
Ion Ratio Lower Upper
43 100
58 122.6 30.2 45.2#



Abundance Ion 42.95 (42.65 to 43.65): VD060971.D (-894) (-)
Ion 57.95 (57.65 to 58.65): VD060971.D (-894) (-)

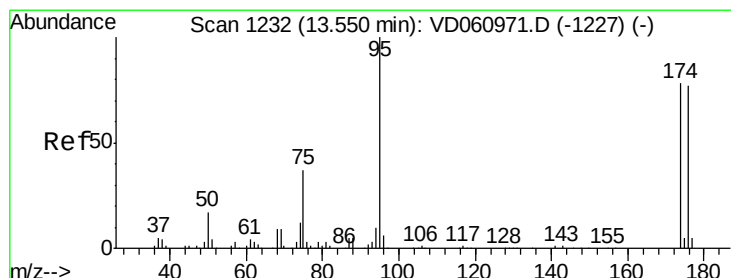
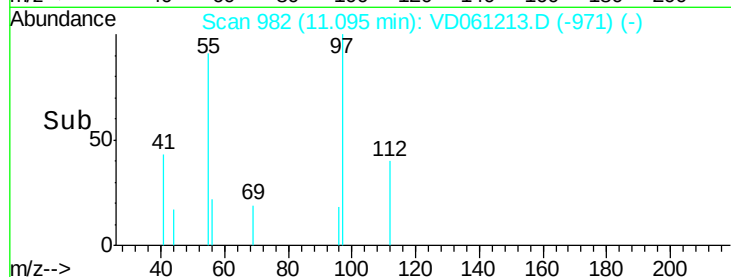
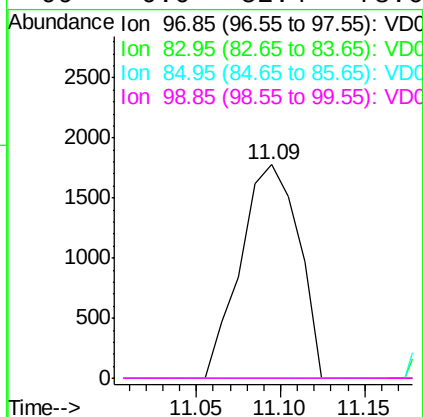
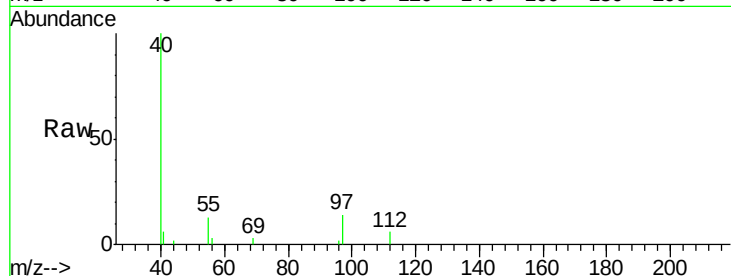




#55
 1,1,2-Trichloroethane
 Concen: 1.175 ug/l
 RT: 11.09 min Scan# 982
 Delta R.T. -0.09 min
 Lab File: VD061213.D
 Acq: 20 Mar 2019 17:36

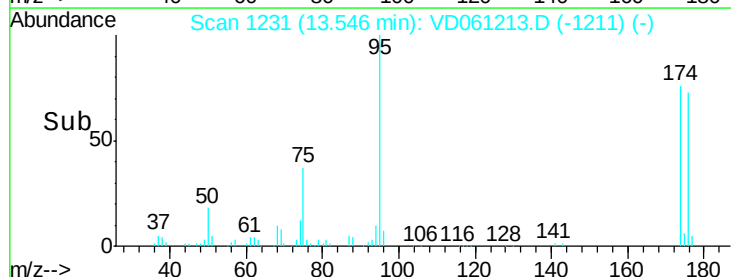
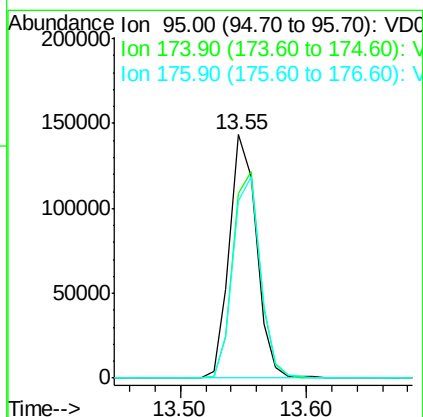
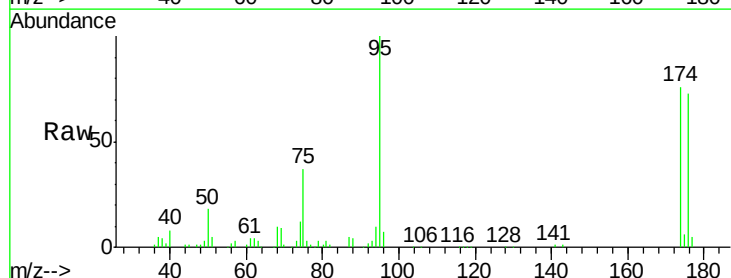
Instrument :
 MSVOA_D
 ClientSampleID :

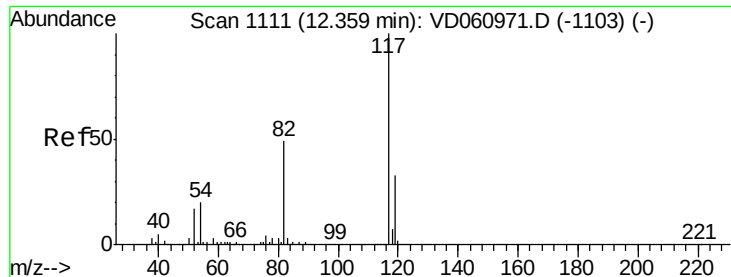
Tot Ion: 97 Resp: 4245
 Ion Ratio Lower Upper
 97 100
 83 0.0 66.6 100.0#
 85 0.0 46.4 69.6#
 99 0.0 52.4 78.6#



#62
 4-Bromofluorobenzene
 Concen: N.D. ug/l
 RT: 13.55 min Scan# 1231
 Delta R.T. -0.00 min
 Lab File: VD061213.D
 Acq: 20 Mar 2019 17:36

Tgt Ion: 95 Resp: 212202
 Ion Ratio Lower Upper
 95 100
 174 76.0 0.0 155.6
 176 72.9 0.0 153.8

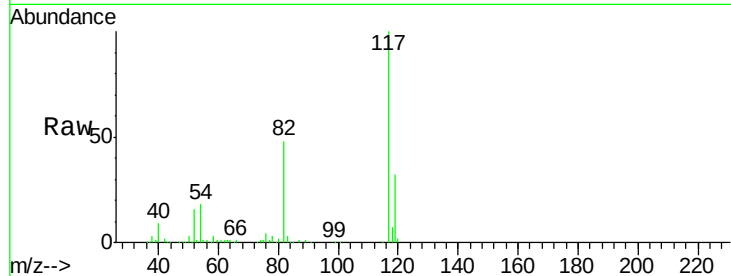




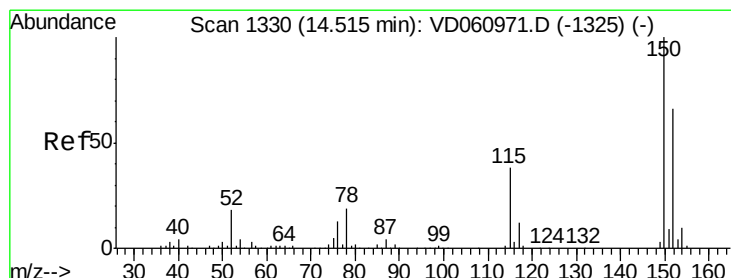
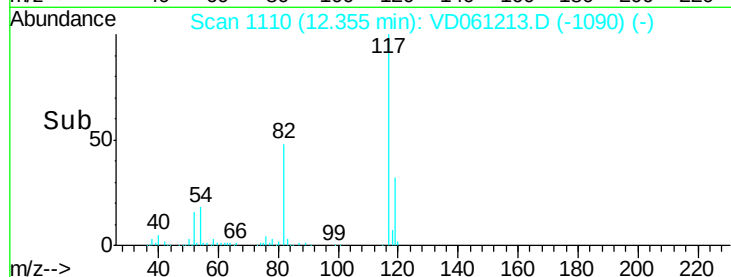
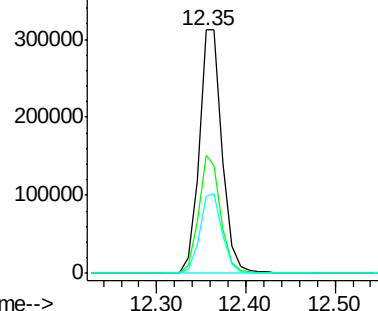
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 12.35 min Scan# 1110
Delta R.T. -0.00 min
Lab File: VD061213.D
Acq: 20 Mar 2019 17:36

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion:117 Resp: 566656
Ion Ratio Lower Upper
117 100
82 48.5 38.9 58.3
119 31.8 26.6 39.8

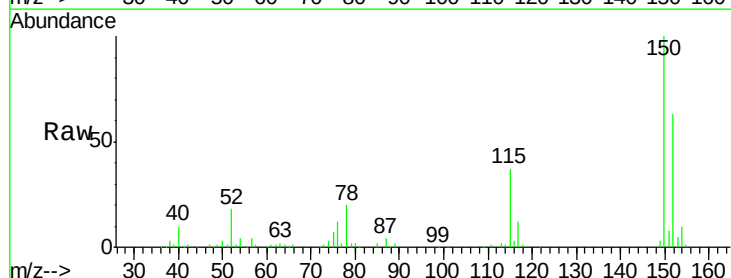


Abundance Ion 116.95 (116.65 to 117.65): V
Ion 82.05 (81.75 to 82.75): V
Ion 118.95 (118.65 to 119.65): V

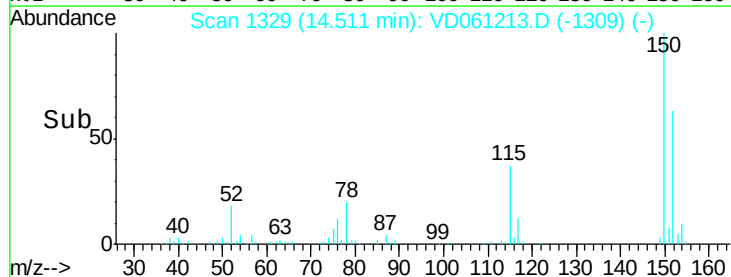
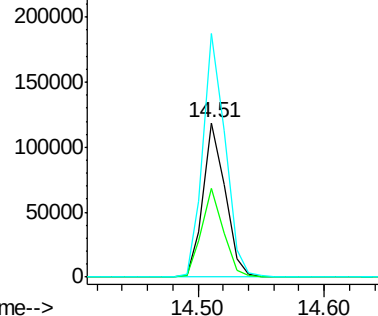


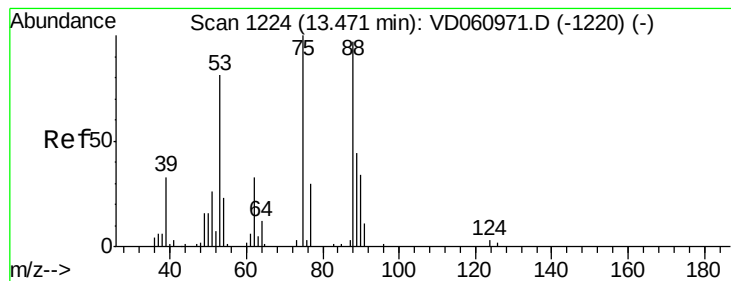
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 14.51 min Scan# 1329
Delta R.T. -0.00 min
Lab File: VD061213.D
Acq: 20 Mar 2019 17:36

Tgt Ion:152 Resp: 144615
Ion Ratio Lower Upper
152 100
115 57.8 28.6 85.9
150 158.0 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: 125.814 ug/l

RT: 13.55 min Scan# 1231

Delta R.T. 0.07 min

Lab File: VD061213.D

Acq: 20 Mar 2019 17:36

Instrument :

MSVOA_D

ClientSampleId :

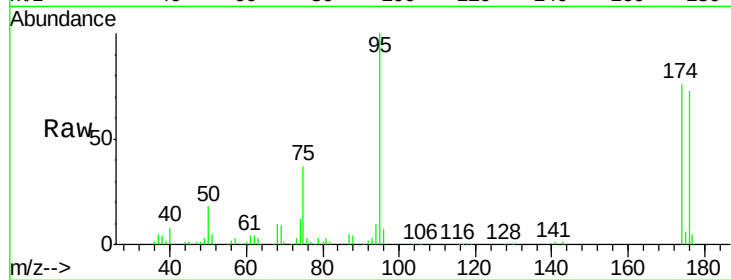
Tot Ion: 75 Resp: 77173

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

