

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD042519\
 Data File : VD062050.D
 Acq On : 25 Apr 2019 20:51
 Operator : VA/AP
 Sample : K2564-03
 Misc : 5.84g/5ml/MSVOA D/SOIL
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Apr 26 01:45:13 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D042319S.M
 Quant Title : SW846 8260
 QLast Update : Tue Apr 23 14:52:55 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.04	168	46777	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.21	114	91619	50.00	ug/l	0.00
63) Chlorobenzene-d5	12.37	117	91502	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	14.51	152	46228	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	7.46	65	51011	139.33	ug/l	0.00
Spiked Amount 50.000			Recovery	=	278.66%	
35) Dibromofluoromethane	6.92	113	50369	79.49	ug/l	0.00
Spiked Amount 50.000			Recovery	=	158.98%	
50) Toluene-d8	10.41	98	84253	55.88	ug/l	0.00
Spiked Amount 50.000			Recovery	=	111.76%	
62) 4-Bromofluorobenzene	13.55	95	46000	76.07	ug/l	0.00
Spiked Amount 50.000			Recovery	=	152.14%	
Target Compounds						
					Qvalue	
5) Bromomethane	2.15	94	415	3.700	ug/l #	12
16) Acetone	3.23	43	1534	17.549	ug/l #	50
20) Methylene Chloride	3.82	84	3466	5.293	ug/l #	86
36) 1,1-Dichloropropene	7.04	75	3613	5.062	ug/l #	40
38) Carbon Tetrachloride	7.04	117	4485	4.958	ug/l #	12
81) trans-1,4-Dichloro-2-buten	13.55	75	18532	104.176	ug/l #	16

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.04 min Scan# 571

Delta R.T. -0.01 min

Lab File: VD062050.D

Acq: 25 Apr 2019 20:51

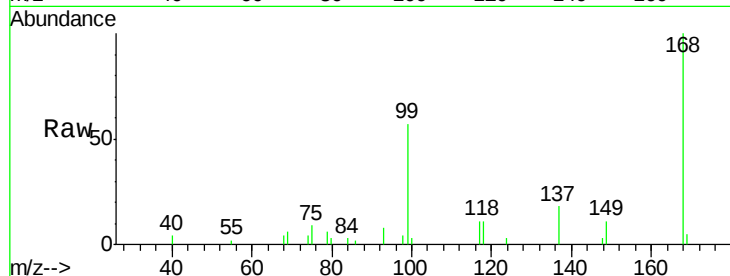
Instrument :
MSVOA_D
ClientSampleId :

Tot Ion:168 Resp: 46777

Ion Ratio Lower Upper

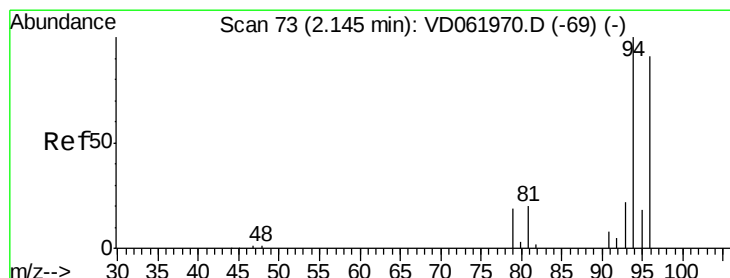
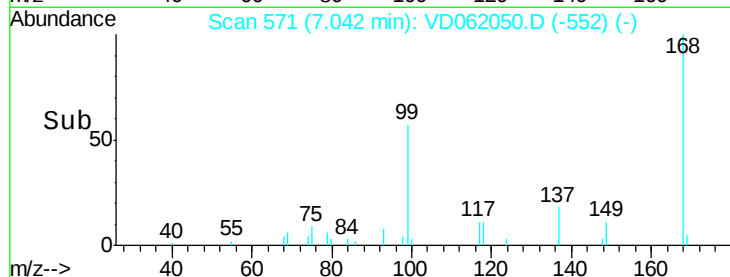
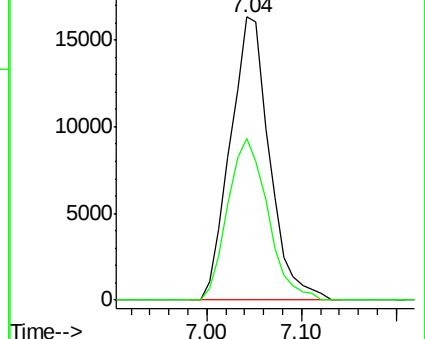
168 100

99 57.0 46.5 69.7



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC



#5

Bromomethane

Concen: 3.700 ug/l

RT: 2.15 min Scan# 74

Delta R.T. -0.01 min

Lab File: VD062050.D

Acq: 25 Apr 2019 20:51

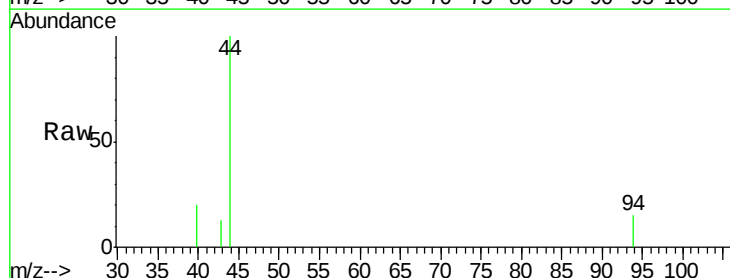
Tgt Ion: 94 Resp: 415

Ion Ratio Lower Upper

94 100

96 0.0 76.6 115.0#

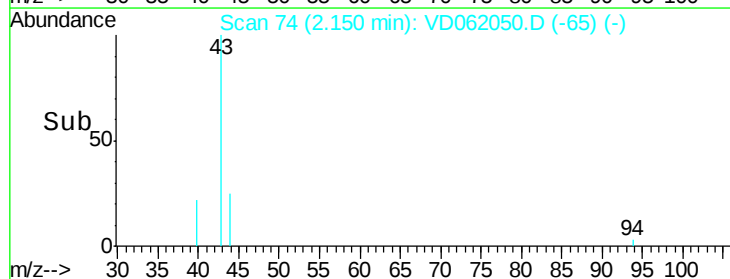
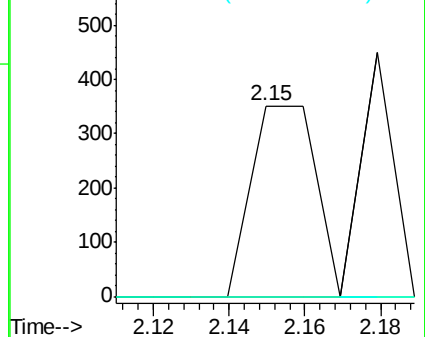
93 0.0 18.5 27.7#



Abundance Ion 94.00 (93.70 to 94.70): VDC

Ion 96.00 (95.70 to 96.70): VDC

Ion 93.00 (92.70 to 93.70): VDC





#16

Acetone

Concen: 17.549 ug/l

RT: 3.23 min Scan# 184

Delta R.T. 0.01 min

Lab File: VD062050.D

Acq: 25 Apr 2019 20:51

Instrument :

MSVOA_D

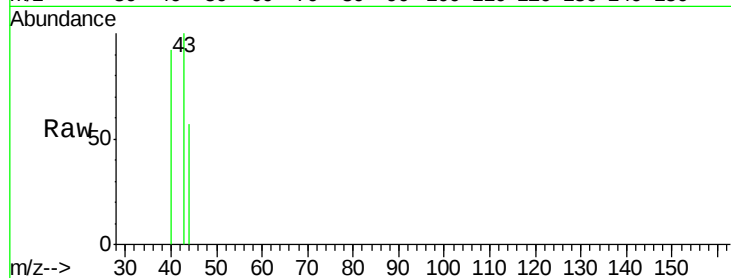
ClientSampleId :

Tot Ion: 43 Resp: 1534

Ion Ratio Lower Upper

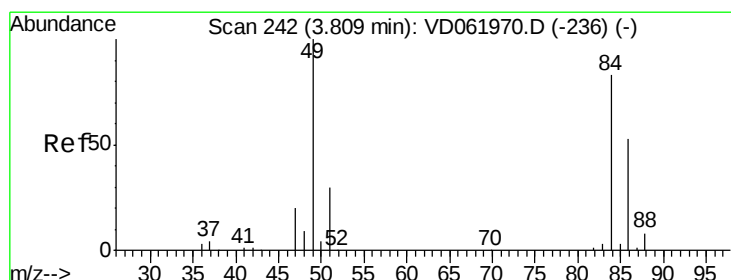
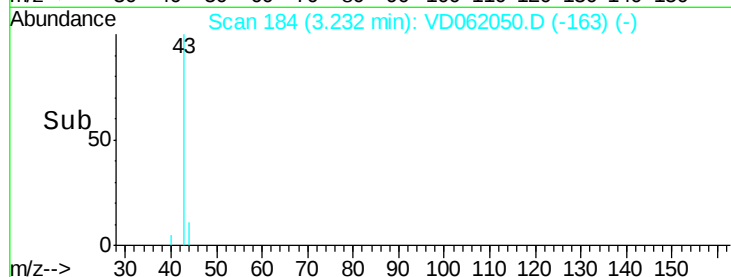
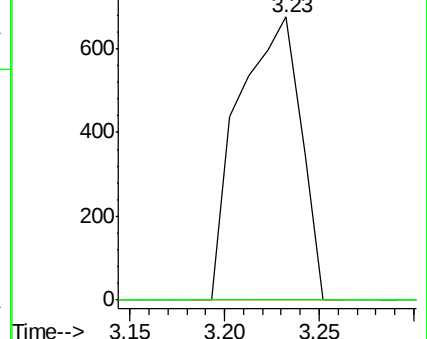
43 100

58 0.0 19.9 29.9#



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC



#20

Methylene Chloride

Concen: 5.293 ug/l

RT: 3.82 min Scan# 244

Delta R.T. 0.00 min

Lab File: VD062050.D

Acq: 25 Apr 2019 20:51

Tgt Ion: 84 Resp: 3466

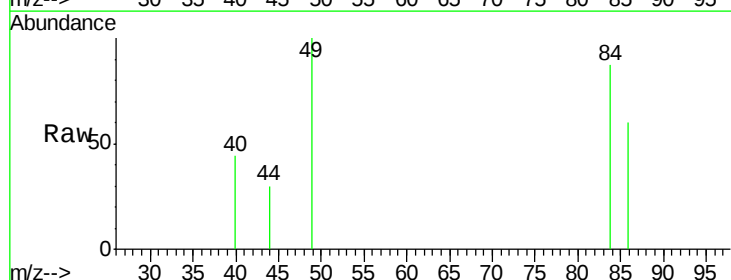
Ion Ratio Lower Upper

84 100

49 114.3 94.0 141.0

51 0.0 29.0 43.4#

86 68.4 49.8 74.6

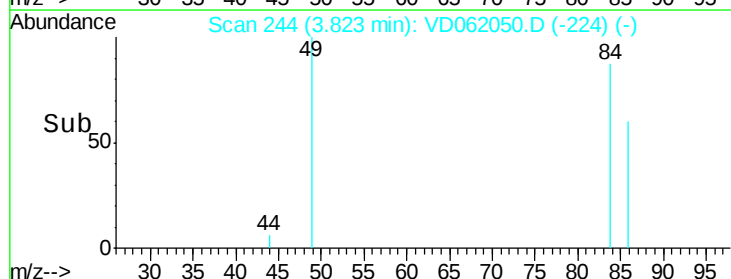
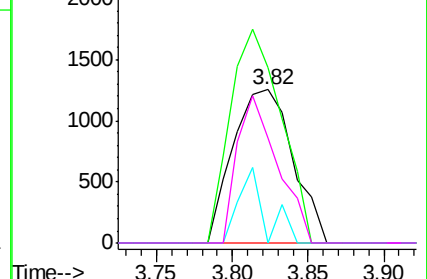


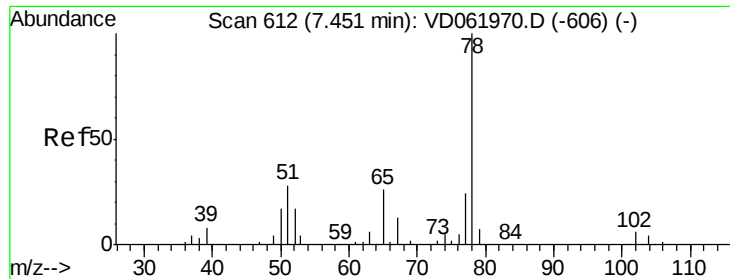
Abundance Ion 83.95 (83.65 to 84.65): VDC

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





#33

1,2-Dichloroethane-d4

Concen: 139.335 ug/l

RT: 7.46 min Scan# 613

Delta R.T. -0.00 min

Lab File: VD062050.D

Acq: 25 Apr 2019 20:51

Instrument :

MSVOA_D

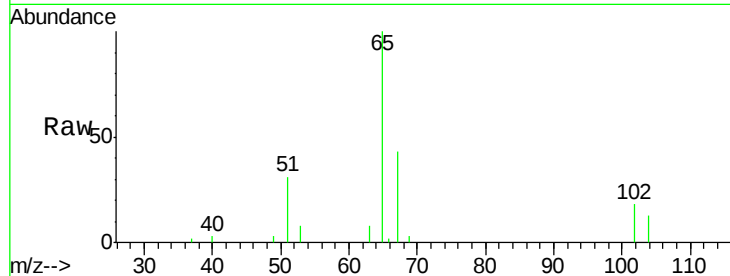
ClientSampleId :

Tot Ion: 65 Resp: 51011

Ion Ratio Lower Upper

65 100

67 43.1 0.0 98.0



Abundance Ion 64.95 (64.65 to 65.65): VDC

Ion 66.90 (66.60 to 67.60): VDC

7.46

20000

15000

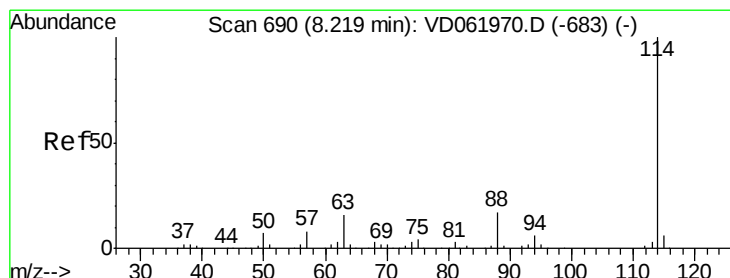
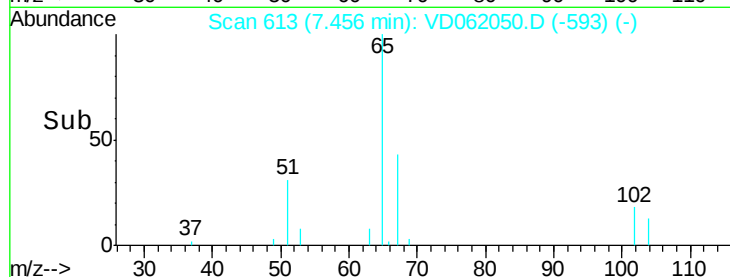
10000

5000

0

7.40 7.50 7.60

Time-->



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.21 min Scan# 690

Delta R.T. -0.01 min

Lab File: VD062050.D

Acq: 25 Apr 2019 20:51

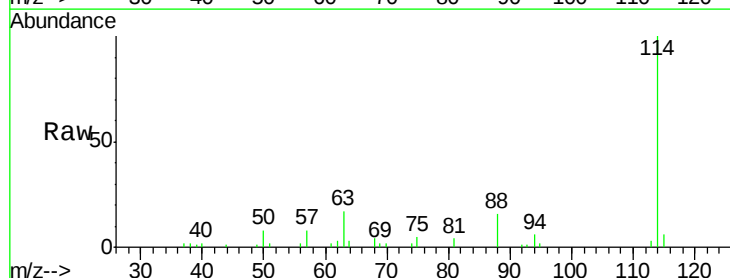
Tgt Ion:114 Resp: 91619

Ion Ratio Lower Upper

114 100

63 16.8 0.0 32.4

88 15.7 0.0 33.6



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

8.21

40000

30000

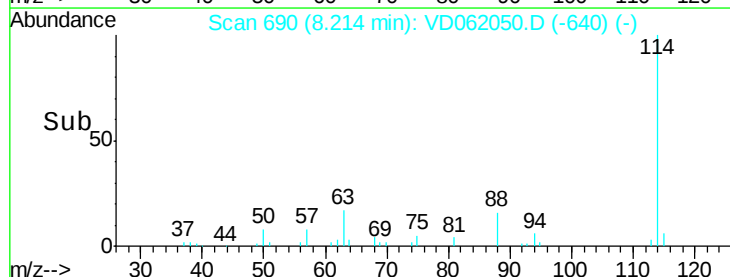
20000

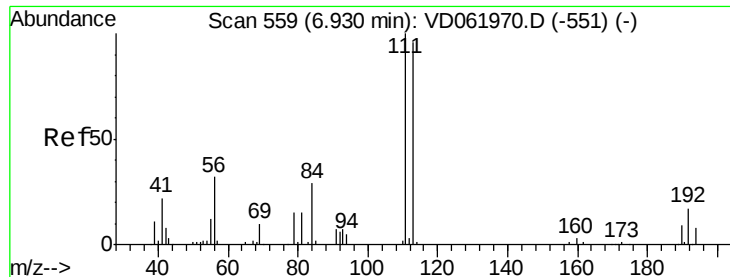
10000

0

8.10 8.20 8.30 8.40

Time-->

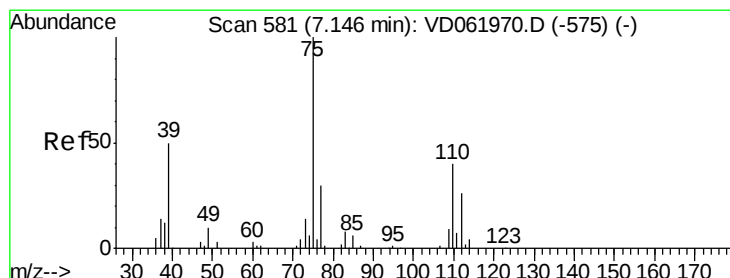
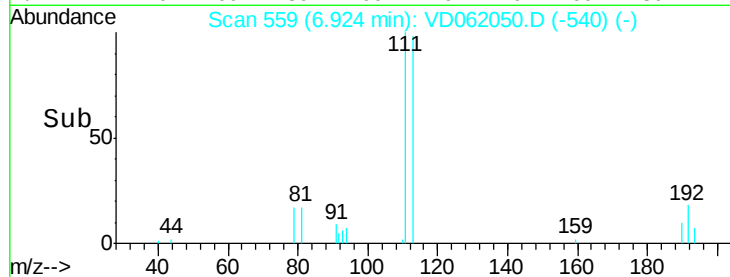
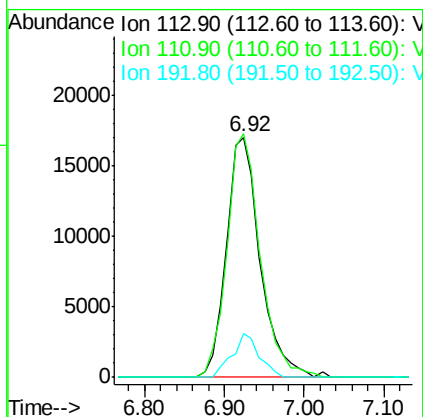
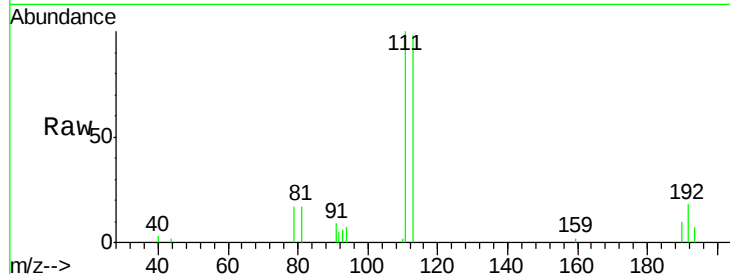




#35
 Dibromofluoromethane
 Concen: 79.492 ug/l
 RT: 6.92 min Scan# 559
 Delta R.T. -0.01 min
 Lab File: VD062050.D
 Acq: 25 Apr 2019 20:51

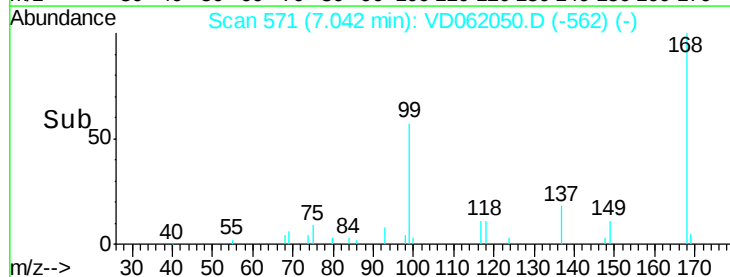
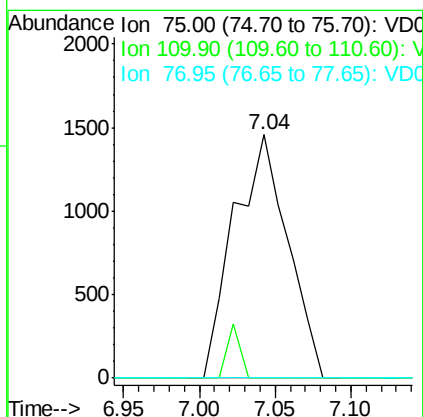
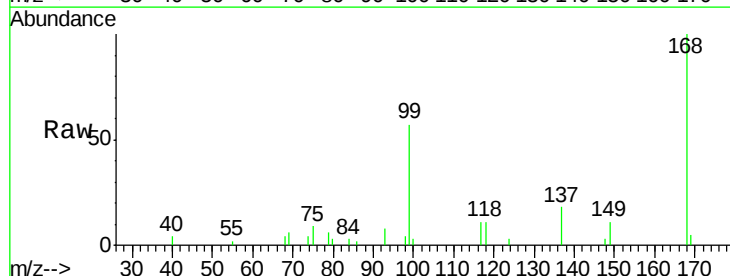
Instrument :
 MSVOA_D
 ClientSampleId :

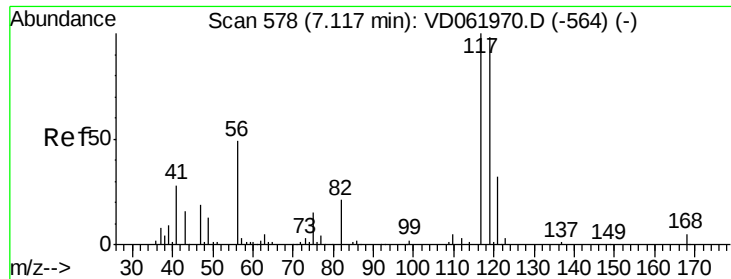
Tot Ion:113 Resp: 50369
 Ion Ratio Lower Upper
 113 100
 111 101.6 78.5 117.7
 192 18.5 13.0 19.4



#36
 1,1-Dichloropropene
 Concen: 5.062 ug/l
 RT: 7.04 min Scan# 571
 Delta R.T. -0.11 min
 Lab File: VD062050.D
 Acq: 25 Apr 2019 20:51

Tgt Ion: 75 Resp: 3613
 Ion Ratio Lower Upper
 75 100
 110 0.0 19.1 57.1#
 77 0.0 25.6 38.4#





#38

Carbon Tetrachloride

Concen: 4.958 ug/l

RT: 7.04 min Scan# 571

Delta R.T. -0.08 min

Lab File: VD062050.D

Acq: 25 Apr 2019 20:51

Instrument :

MSVOA_D

ClientSampled :

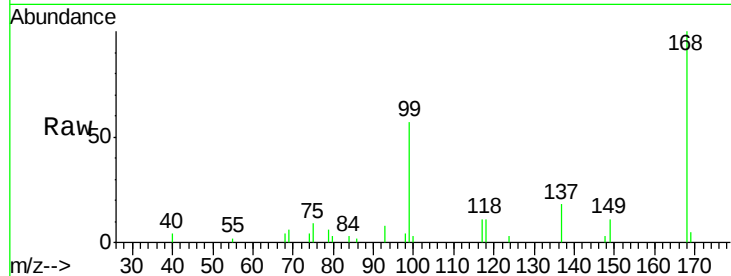
Tot Ion:117 Resp: 4485

Ion Ratio Lower Upper

117 100

119 0.0 75.8 113.8#

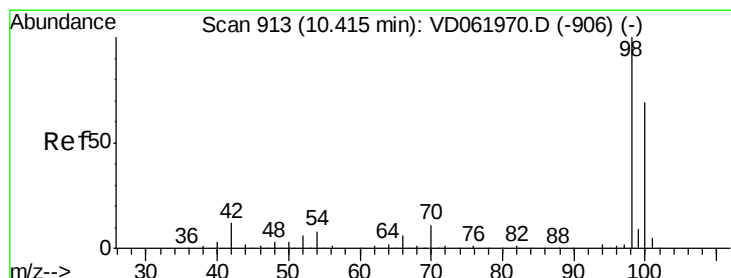
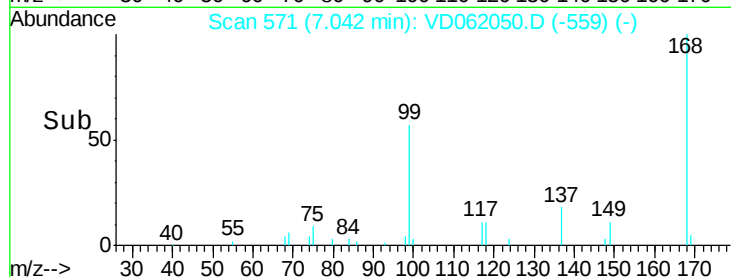
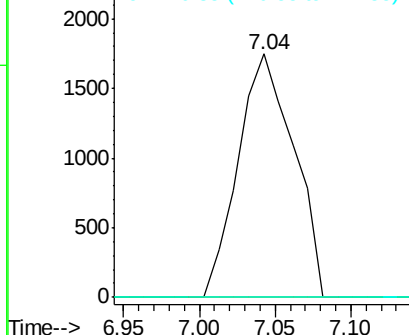
121 0.0 25.9 38.9#



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: 55.881 ug/l

RT: 10.41 min Scan# 913

Delta R.T. -0.01 min

Lab File: VD062050.D

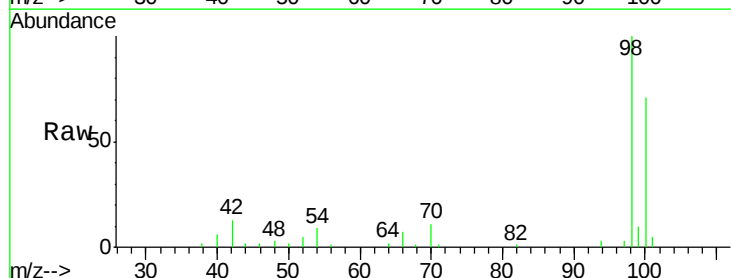
Acq: 25 Apr 2019 20:51

Tgt Ion: 98 Resp: 84253

Ion Ratio Lower Upper

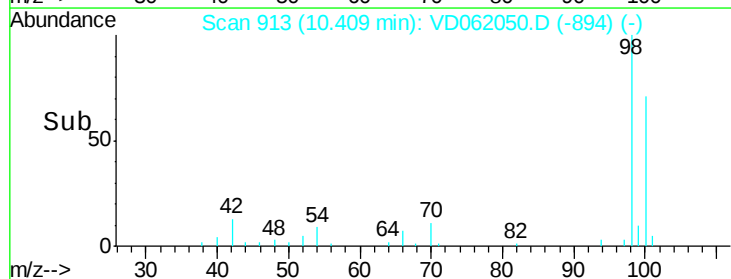
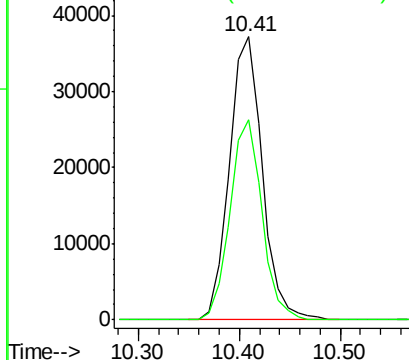
98 100

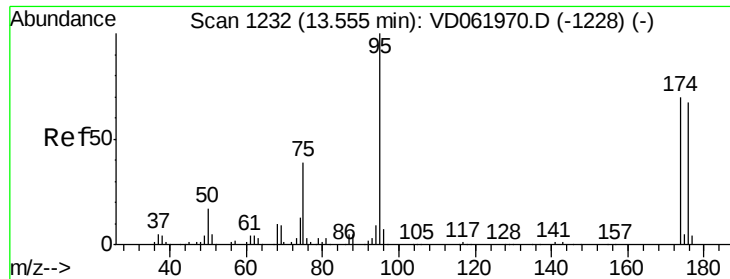
100 70.7 53.8 80.8



Abundance Ion 98.05 (97.75 to 98.75): V

Ion 100.05 (99.75 to 100.75): V





#62

4-Bromofluorobenzene

Concen: 76.066 ug/l

RT: 13.55 min Scan# 1232

Delta R.T. -0.01 min

Lab File: VD062050.D

Acq: 25 Apr 2019 20:51

Instrument :

MSVOA_D

ClientSampleId :

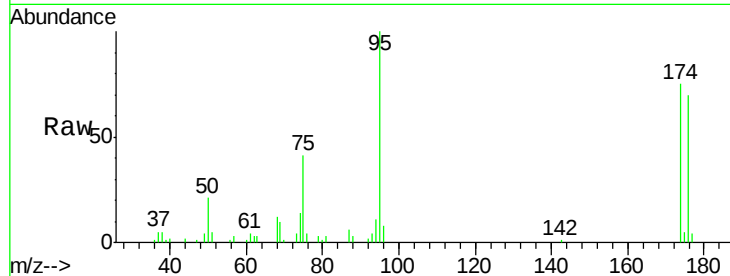
Tot Ion: 95 Resp: 46000

Ion Ratio Lower Upper

95 100

174 74.6 0.0 181.8

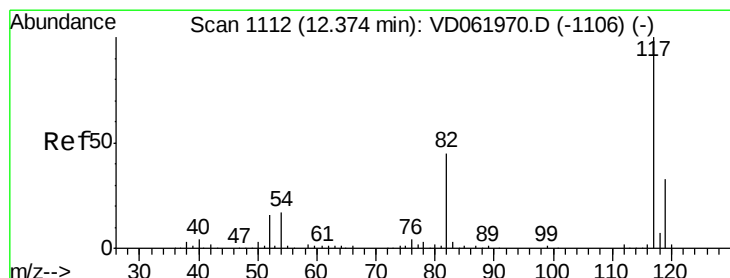
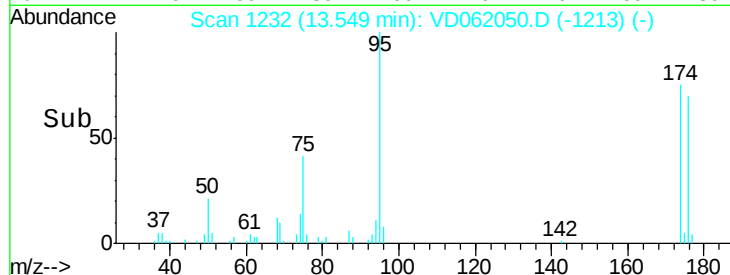
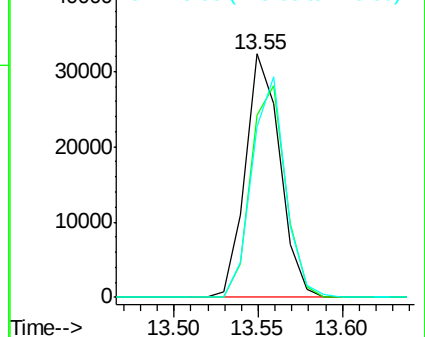
176 70.2 0.0 174.4



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. -0.00 min

Lab File: VD062050.D

Acq: 25 Apr 2019 20:51

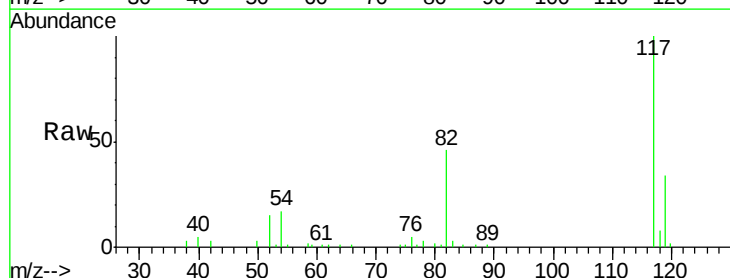
Tgt Ion: 117 Resp: 91502

Ion Ratio Lower Upper

117 100

82 46.4 36.2 54.2

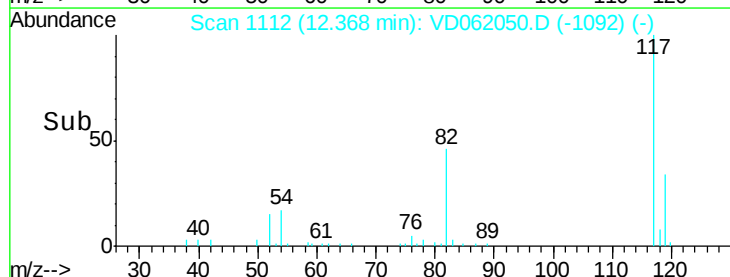
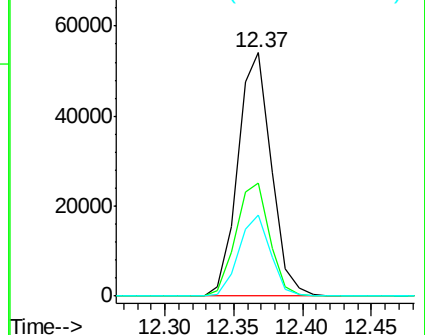
119 33.5 26.2 39.4

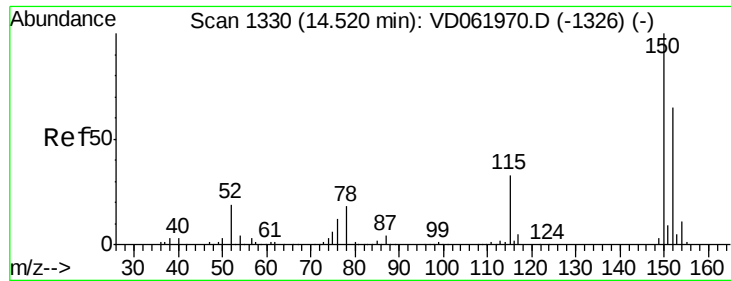


Abundance Ion 116.95 (116.65 to 117.65): V

Ion 82.05 (81.75 to 82.75): V

Ion 118.95 (118.65 to 119.65): V



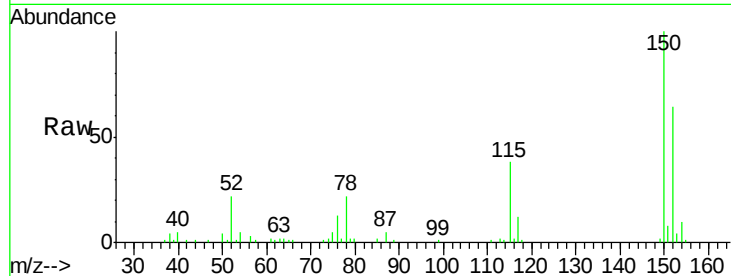


#72

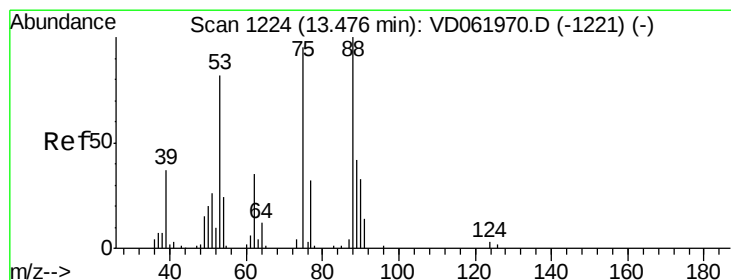
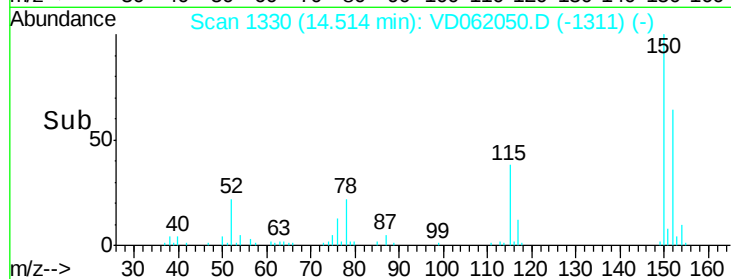
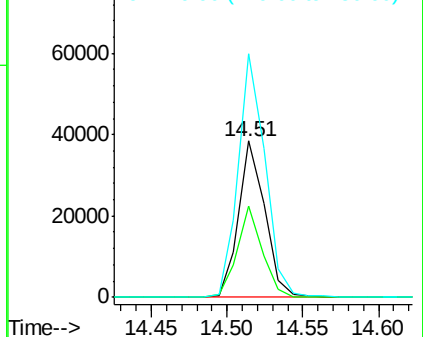
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 14.51 min Scan# 1330
Delta R.T. -0.01 min
Lab File: VD062050.D
Acq: 25 Apr 2019 20:51

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion:152 Resp: 46228
Ion Ratio Lower Upper
152 100
115 58.5 30.9 92.7
150 156.0 0.0 314.8



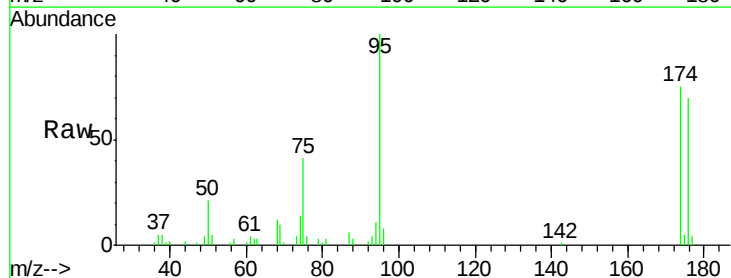
Abundance Ion 151.90 (151.60 to 152.60): V
Ion 115.00 (114.70 to 115.70): V
Ion 149.90 (149.60 to 150.60): V



#81

trans-1,4-Dichloro-2-butene
Concen: 104.176 ug/l
RT: 13.55 min Scan# 1232
Delta R.T. 0.07 min
Lab File: VD062050.D
Acq: 25 Apr 2019 20:51

Tgt Ion: 75 Resp: 18532
Ion Ratio Lower Upper
75 100
53 0.0 65.8 98.8#
89 0.0 35.0 52.6#



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

