

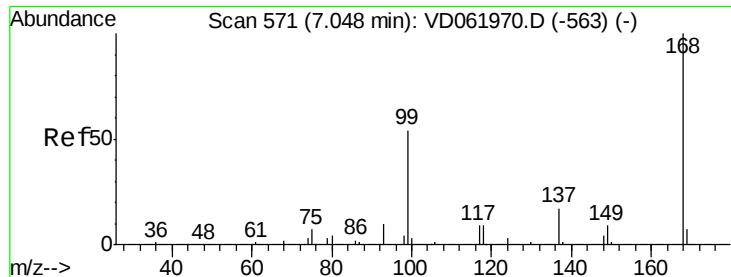
Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD042419\
 Data File : VD062009.D
 Acq On : 24 Apr 2019 20:50
 Operator : VA/AP
 Sample : K2532-18
 Misc : 5.26g/5ml/MSVOA D/SOIL
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Apr 25 01:36:47 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	470098	50.00	ug/l	-0.01
34) 1,4-Difluorobenzene	8.21	114	765519	50.00	ug/l	-0.01
63) Chlorobenzene-d5	12.37	117	639653	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	14.52	152	293778	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	7.46	65	206707	56.18	ug/l	0.00
Spiked Amount 50.000			Recovery	=	112.36%	
35) Dibromofluoromethane	6.92	113	308096	58.19	ug/l	-0.01
Spiked Amount 50.000			Recovery	=	116.38%	
50) Toluene-d8	10.41	98	632147	50.18	ug/l	-0.01
Spiked Amount 50.000			Recovery	=	100.36%	
62) 4-Bromofluorobenzene	13.56	95	231190	45.75	ug/l	0.00
Spiked Amount 50.000			Recovery	=	91.50%	
Target Compounds						
					Qvalue	
20) Methylene Chloride	3.81	84	25063	2.853	ug/l	89
29) Tetrahydrofuran	6.46	42	920	1.753	ug/l #	30
31) Cyclohexane	7.04	56	8047	1.468	ug/l #	1
36) 1,1-Dichloropropene	7.04	75	34487	5.782	ug/l #	45
38) Carbon Tetrachloride	7.04	117	44498	5.888	ug/l #	15
51) 4-Methyl-2-Pentanone	10.41	43	2437	1.073	ug/l #	1
81) trans-1,4-Dichloro-2-buten	13.56	75	88995	78.722	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: VD062009.D

Acq: 24 Apr 2019 20:50

Instrument :

MSVOA_D

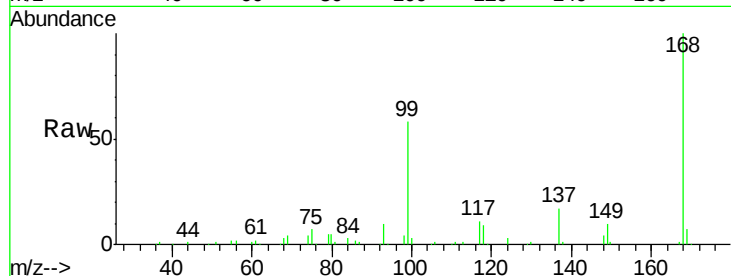
ClientSampleId :

Tot Ion:168 Resp: 470098

Ion Ratio Lower Upper

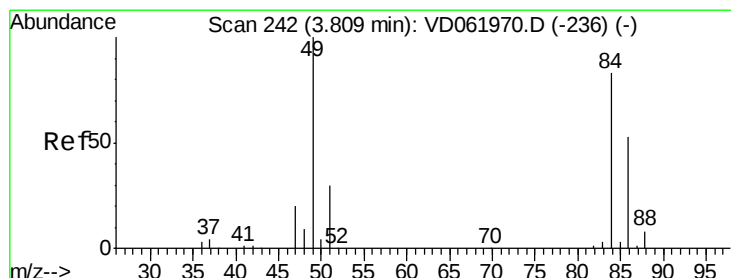
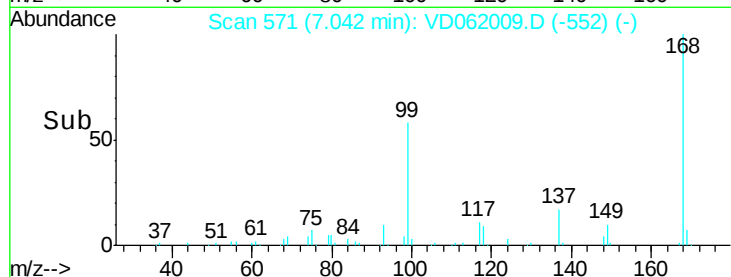
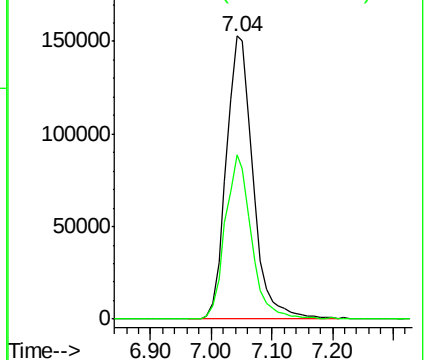
168 100

99 57.9 46.5 69.7



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC



#20

Methylene Chloride

Concen: 2.853 ug/l

RT: 3.81 min Scan# 243

Delta R.T. -0.01 min

Lab File: VD062009.D

Acq: 24 Apr 2019 20:50

Tgt Ion: 84 Resp: 25063

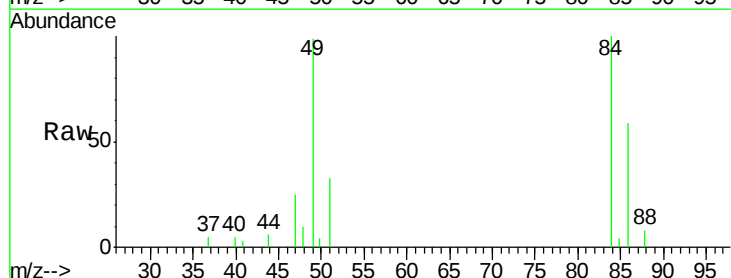
Ion Ratio Lower Upper

84 100

49 99.0 94.0 141.0

51 33.0 29.0 43.4

86 58.9 49.8 74.6

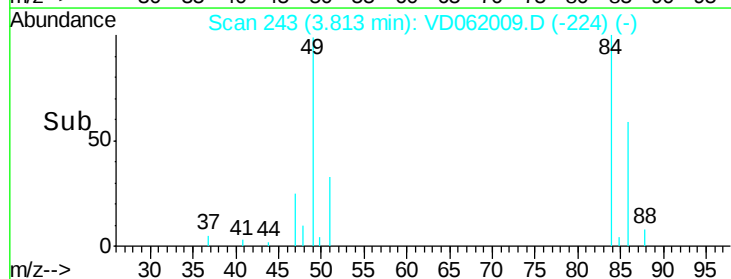
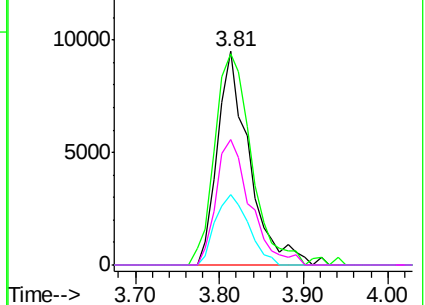


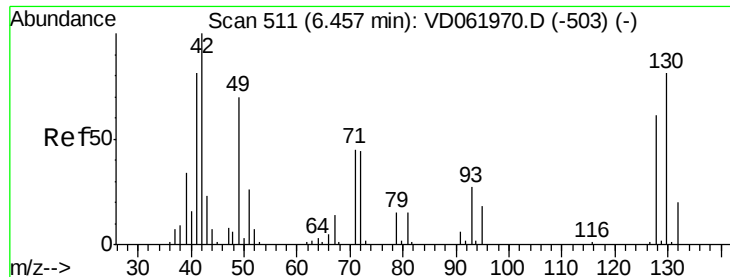
Abundance Ion 83.95 (83.65 to 84.65): VDC

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





#29

Tetrahydrofuran

Concen: 1.753 ug/l

RT: 6.46 min Scan# 512

Delta R.T. -0.00 min

Lab File: VD062009.D

Acq: 24 Apr 2019 20:50

Instrument :

MSVOA_D

ClientSampled :

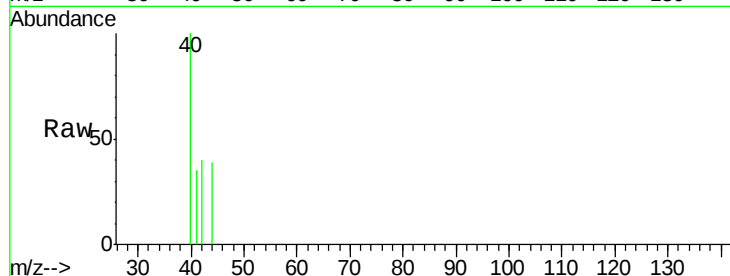
Tot Ion: 42 Resp: 920

Ion Ratio Lower Upper

42 100

72 0.0 37.8 56.6#

71 0.0 36.7 55.1#



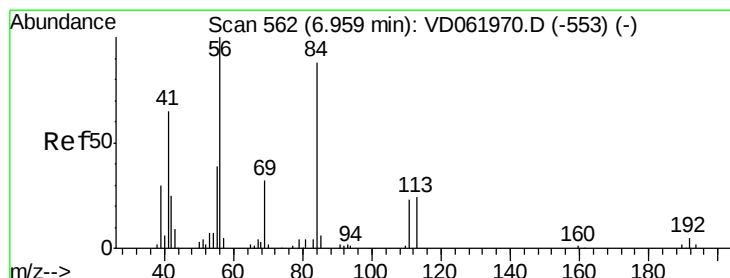
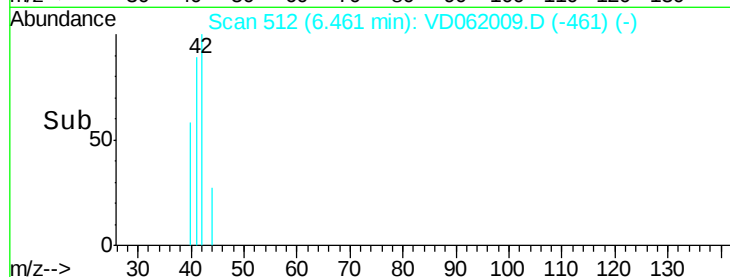
Abundance Ion 42.00 (41.70 to 42.70): VDC

Ion 72.00 (71.70 to 72.70): VDC

Ion 71.00 (70.70 to 71.70): VDC

6.46

Time-->



#31

Cyclohexane

Concen: 1.468 ug/l

RT: 7.04 min Scan# 571

Delta R.T. 0.08 min

Lab File: VD062009.D

Acq: 24 Apr 2019 20:50

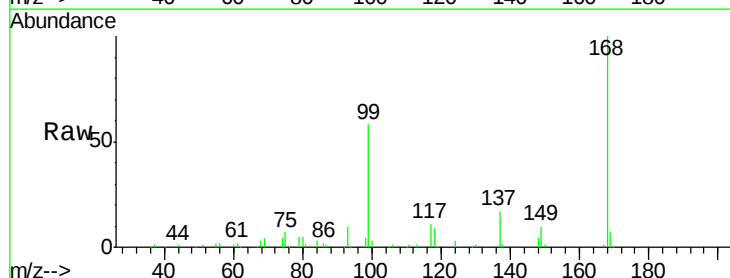
Tgt Ion: 56 Resp: 8047

Ion Ratio Lower Upper

56 100

69 213.6 25.8 38.6#

84 130.6 72.2 108.4#



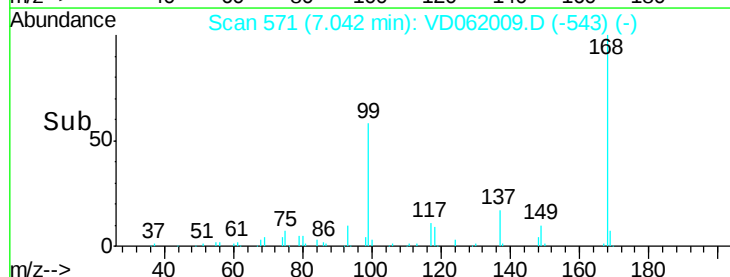
Abundance Ion 55.95 (55.65 to 56.65): VDC

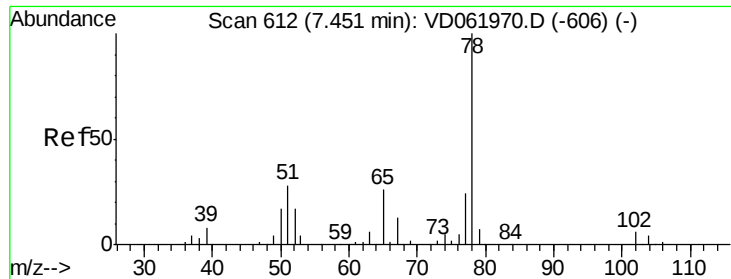
Ion 69.00 (68.70 to 69.70): VDC

Ion 84.05 (83.75 to 84.75): VDC

7.04

Time-->





#33

1,2-Dichloroethane-d4

Concen: N.D. ug/l

RT: 7.46 min Scan# 613

Delta R.T. -0.00 min

Lab File: VD062009.D

Acq: 24 Apr 2019 20:50

Instrument :

MSVOA_D

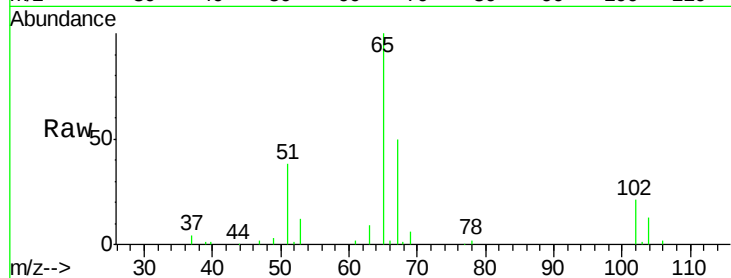
ClientSampled :

Tot Ion: 65 Resp: 206707

Ion Ratio Lower Upper

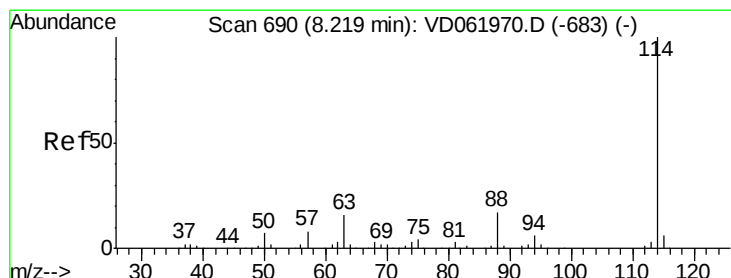
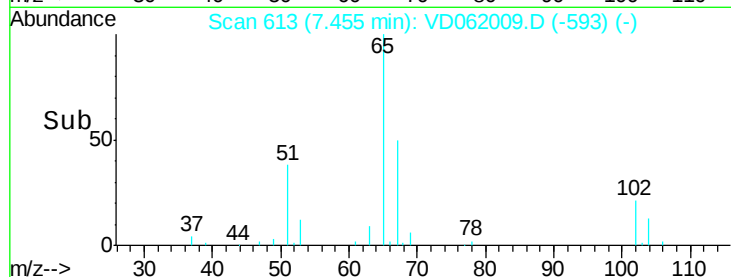
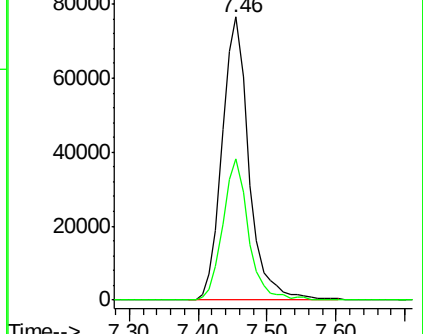
65 100

67 50.0 0.0 98.0



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. -0.01 min

Lab File: VD062009.D

Acq: 24 Apr 2019 20:50

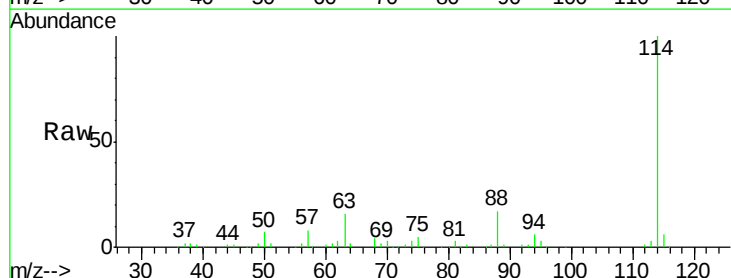
Tgt Ion:114 Resp: 765519

Ion Ratio Lower Upper

114 100

63 16.4 0.0 32.4

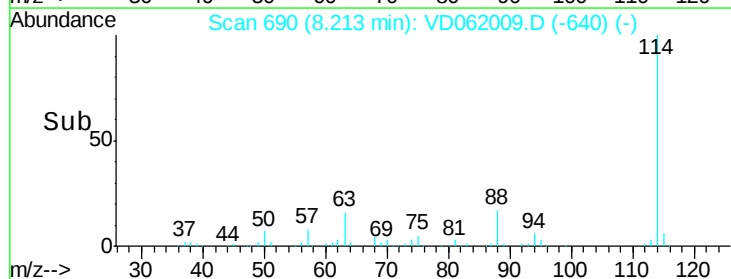
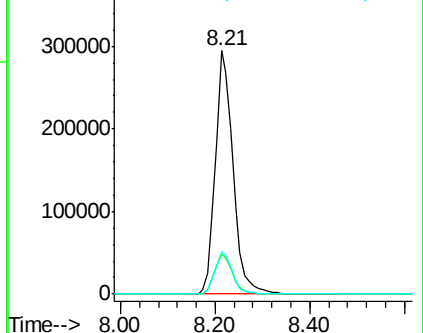
88 17.5 0.0 33.6

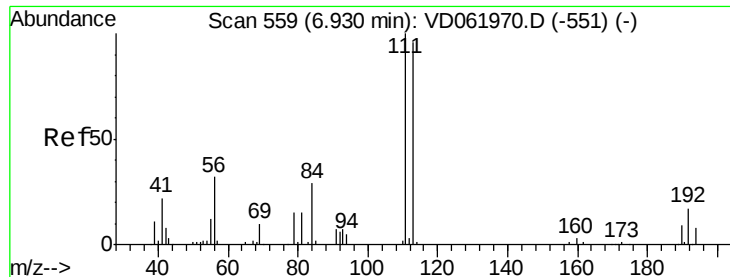


Abundance Ion 114.00 (113.70 to 114.70): V

Ion 62.95 (62.65 to 63.65): VDC

Ion 87.90 (87.60 to 88.60): VDC

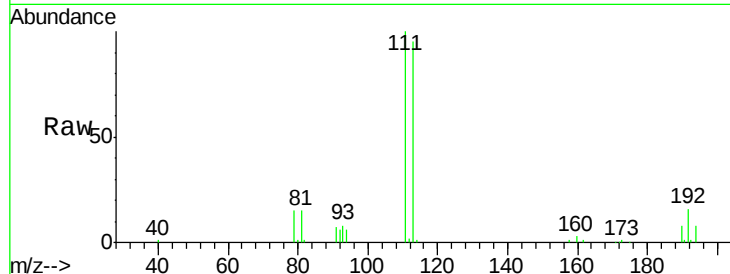




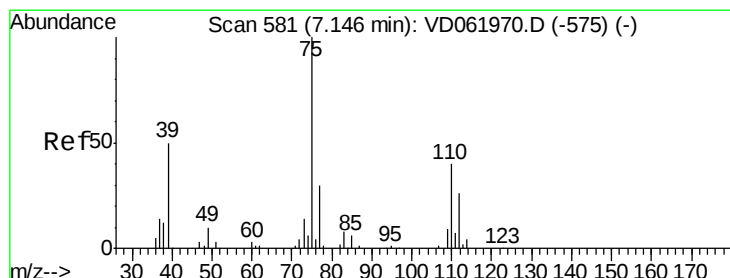
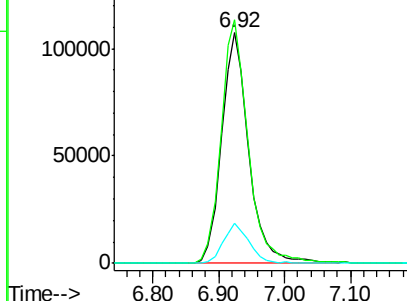
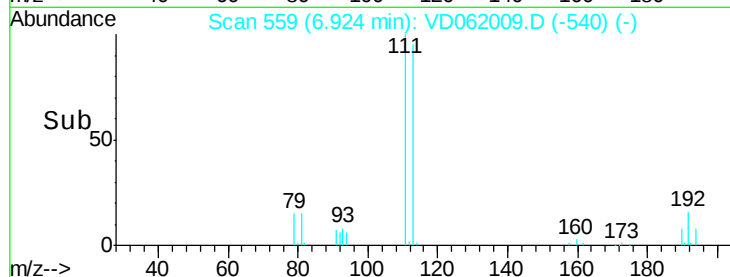
#35
 Dibromofluoromethane
 Concen: 50.000 ug/l
 RT: 6.92 min Scan# 559
 Delta R.T. -0.01 min
 Lab File: VD062009.D
 Acq: 24 Apr 2019 20:50

Instrument :
 MSVOA_D
 ClientSampled :

Tot Ion	Ratio	Lower	Upper
113	100		
111	105.5	78.5	117.7
192	17.4	13.0	19.4

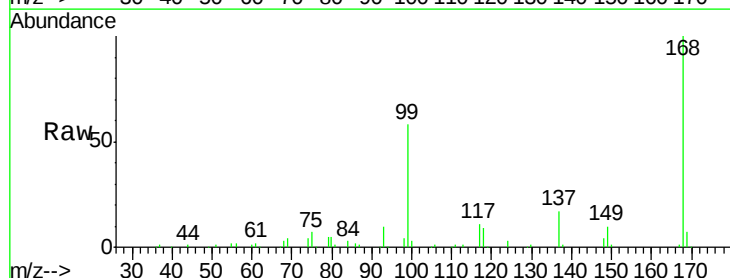


Abundance Ion 112.90 (112.60 to 113.60): V
 Ion 110.90 (110.60 to 111.60): V
 Ion 191.80 (191.50 to 192.50): V

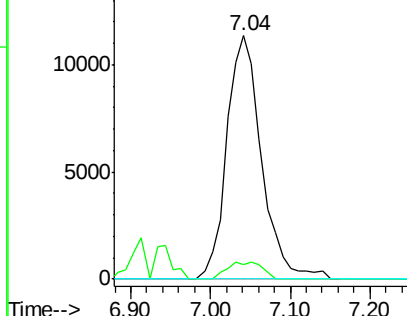
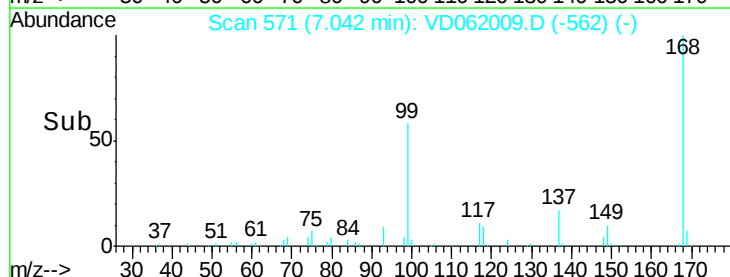


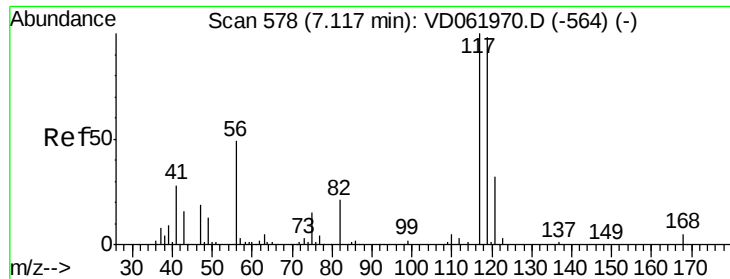
#36
 1,1-Dichloropropene
 Concen: 5.782 ug/l
 RT: 7.04 min Scan# 571
 Delta R.T. -0.11 min
 Lab File: VD062009.D
 Acq: 24 Apr 2019 20:50

Tgt Ion	Ratio	Lower	Upper
75	100		
110	6.2	19.1	57.1#
77	0.0	25.6	38.4#



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: 5.888 ug/l

RT: 7.04 min Scan# 571

Delta R.T. -0.08 min

Lab File: VD062009.D

Acq: 24 Apr 2019 20:50

Instrument :

MSVOA_D

ClientSampleId :

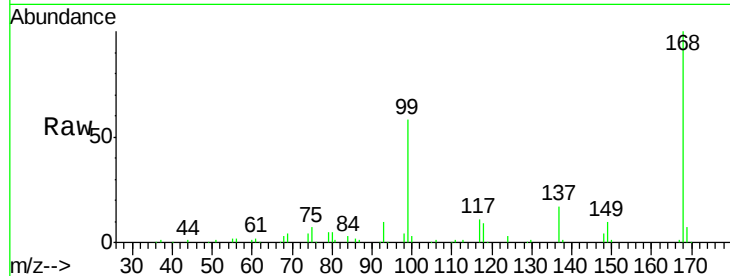
Tot Ion:117 Resp: 44498

Ion Ratio Lower Upper

117 100

119 3.8 75.8 113.8#

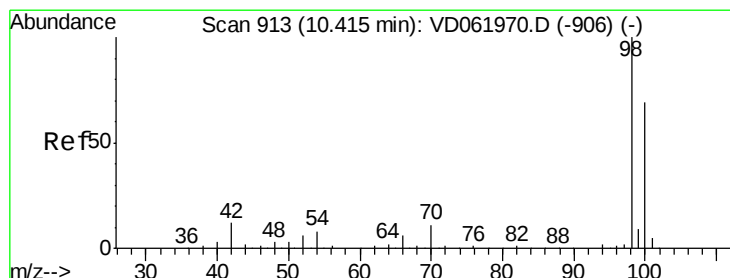
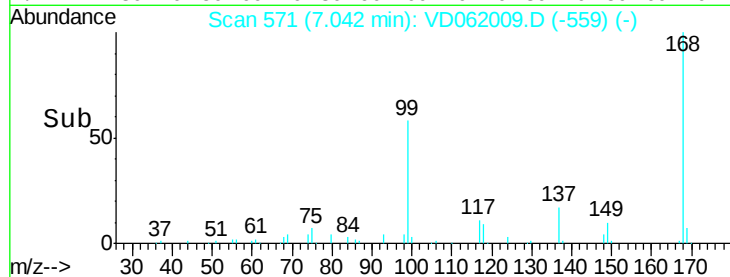
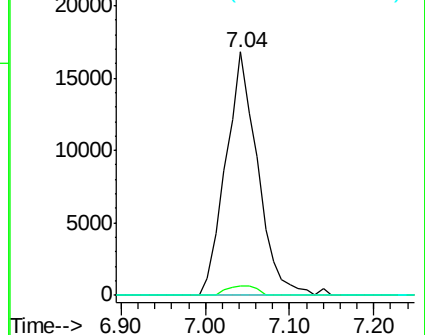
121 0.0 25.9 38.9#



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: N.D. ug/l

RT: 10.41 min Scan# 913

Delta R.T. -0.01 min

Lab File: VD062009.D

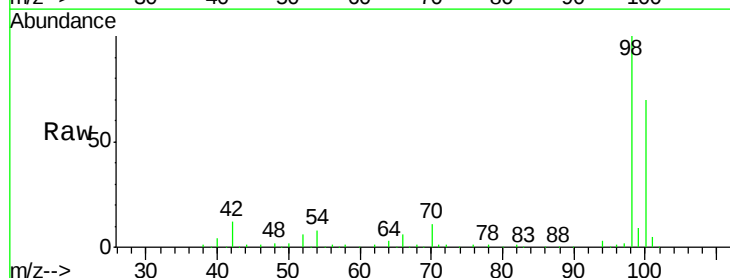
Acq: 24 Apr 2019 20:50

Tgt Ion: 98 Resp: 632147

Ion Ratio Lower Upper

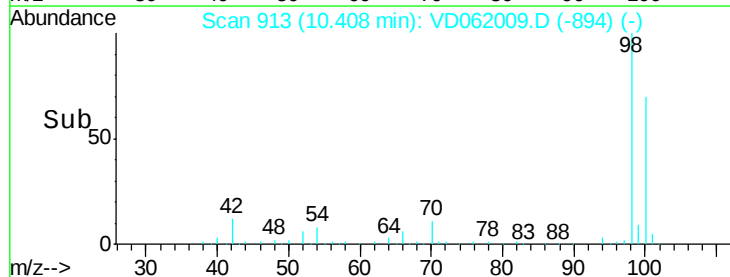
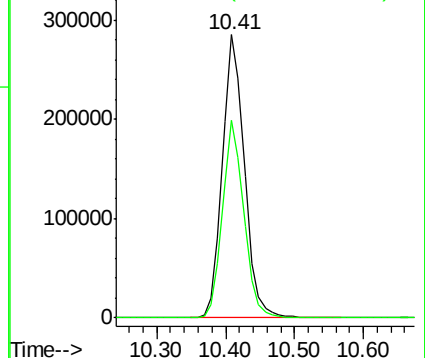
98 100

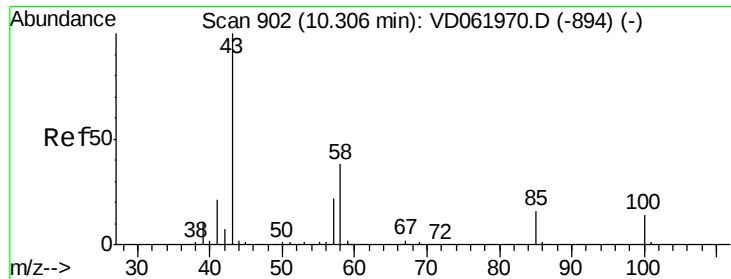
100 69.8 53.8 80.8



Abundance Ion 98.05 (97.75 to 98.75): V

Ion 100.05 (99.75 to 100.75): V





#51

4-Methyl-2-Pentanone

Concen: 1.073 ug/l

RT: 10.41 min Scan# 913

Delta R.T. 0.11 min

Lab File: VD062009.D

Acq: 24 Apr 2019 20:50

Instrument :

MSVOA_D

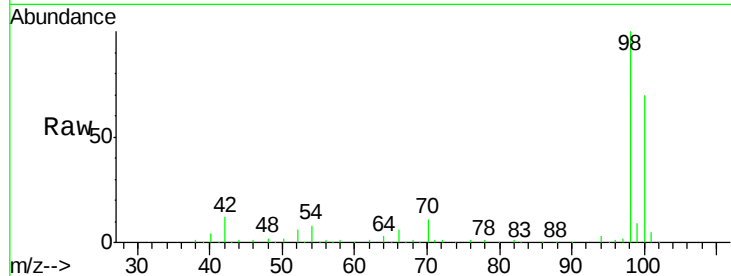
ClientSampled :

Tot Ion: 43 Resp: 2437

Ion Ratio Lower Upper

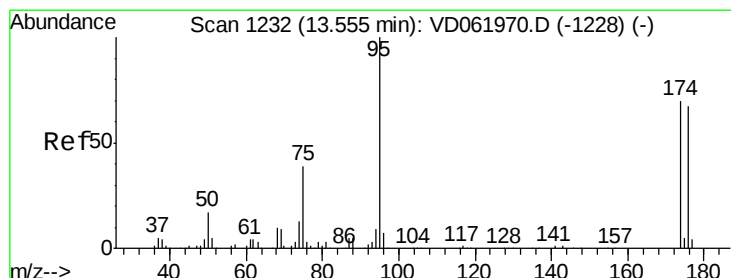
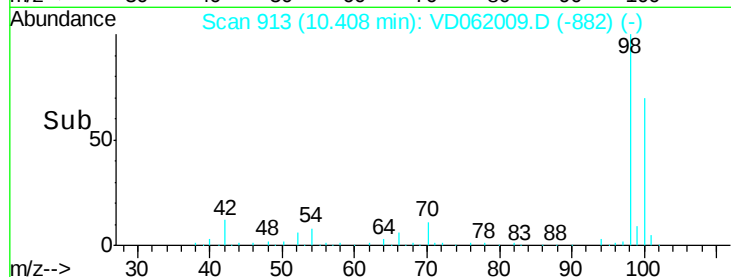
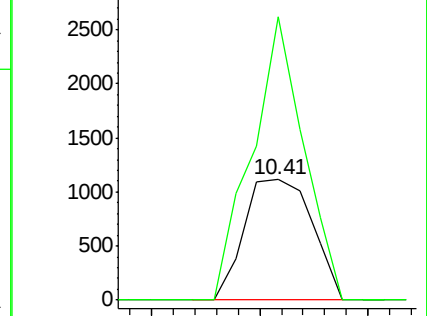
43 100

58 234.6 30.4 45.6#



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: 13.56 min Scan# 1233

Delta R.T. -0.00 min

Lab File: VD062009.D

Acq: 24 Apr 2019 20:50

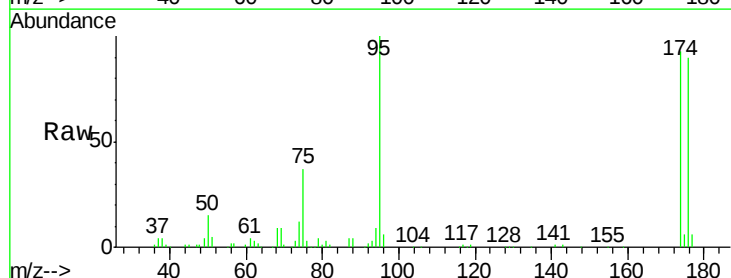
Tgt Ion: 95 Resp: 231190

Ion Ratio Lower Upper

95 100

174 92.5 0.0 181.8

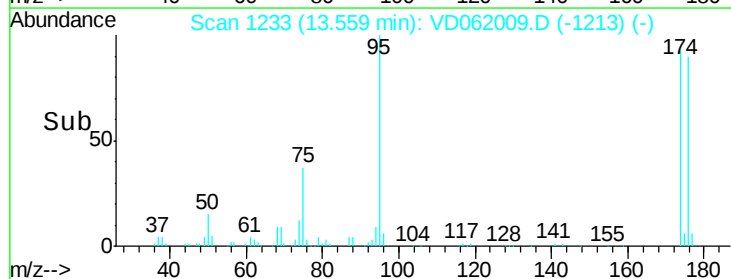
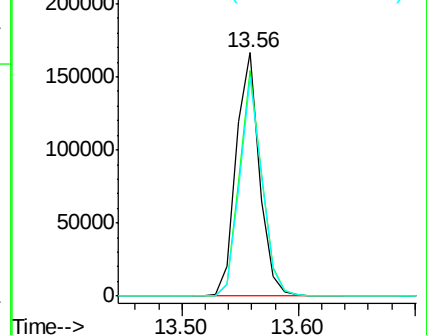
176 90.0 0.0 174.4

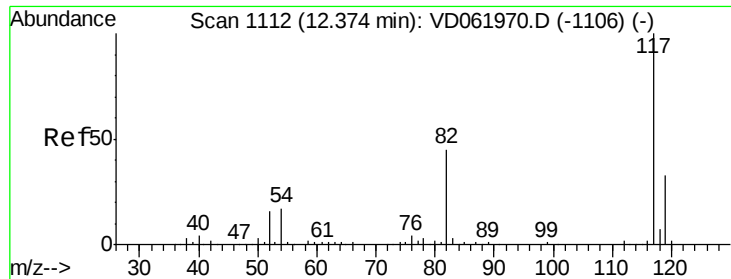


Abundance Ion 95.00 (94.70 to 95.70): VDC

Ion 173.90 (173.60 to 174.60): VDC

Ion 175.90 (175.60 to 176.60): VDC

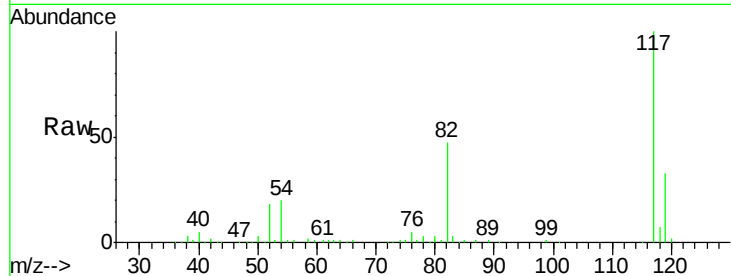




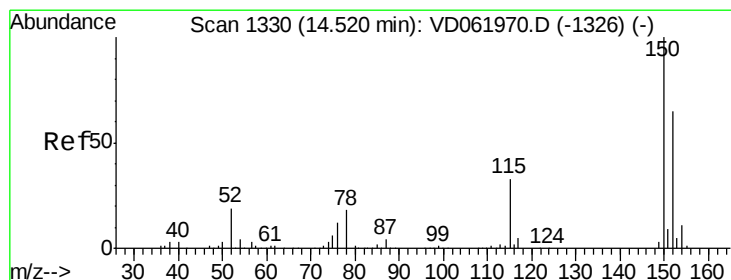
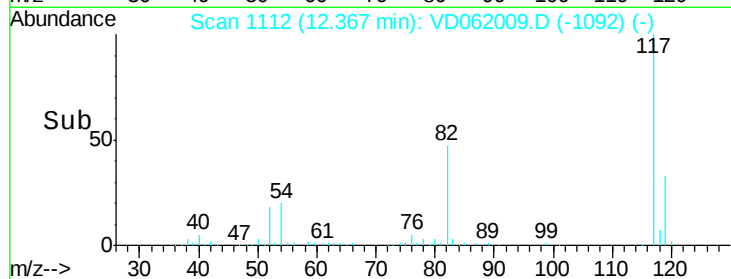
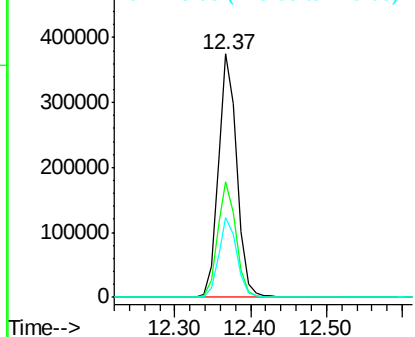
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 12.37 min Scan# 1112
Delta R.T. -0.00 min
Lab File: VD062009.D
Acq: 24 Apr 2019 20:50

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion:117 Resp: 639653
Ion Ratio Lower Upper
117 100
82 47.4 36.2 54.2
119 32.9 26.2 39.4

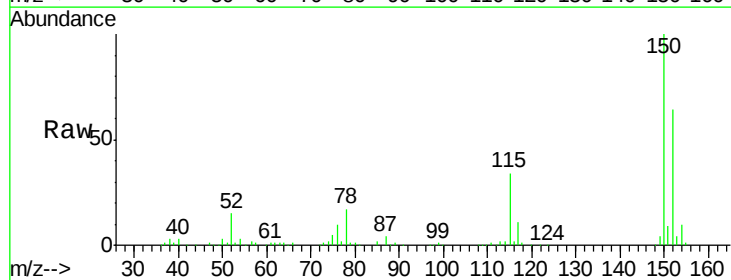


Abundance Ion 116.95 (116.65 to 117.65): V
Ion 82.05 (81.75 to 82.75): V
Ion 118.95 (118.65 to 119.65): V

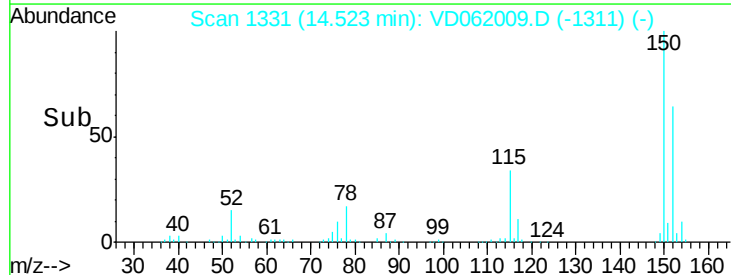
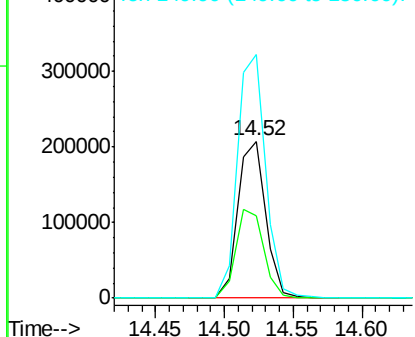


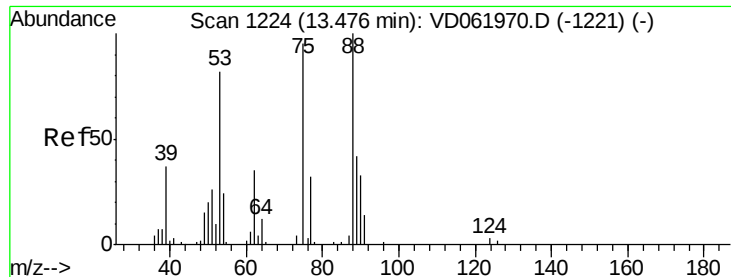
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 14.52 min Scan# 1331
Delta R.T. -0.00 min
Lab File: VD062009.D
Acq: 24 Apr 2019 20:50

Tgt Ion:152 Resp: 293778
Ion Ratio Lower Upper
152 100
115 52.5 30.9 92.7
150 155.5 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: 78.722 ug/l

RT: 13.56 min Scan# 1233

Delta R.T. 0.08 min

Lab File: VD062009.D

Acq: 24 Apr 2019 20:50

Instrument :

MSVOA_D

ClientSampleId :

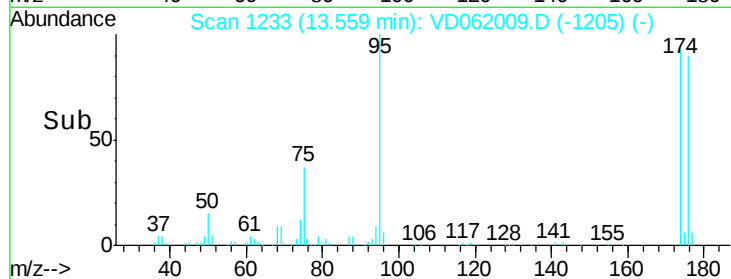
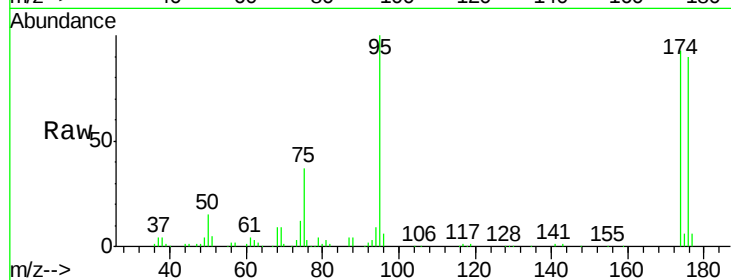
Tot Ion: 75 Resp: 88995

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

