

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD042419\
 Data File : VD062006.D
 Acq On : 24 Apr 2019 19:20
 Operator : VA/AP
 Sample : K2532-06
 Misc : 6.13g/5ml/MSVOA D/SOIL
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Apr 25 01:36:10 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

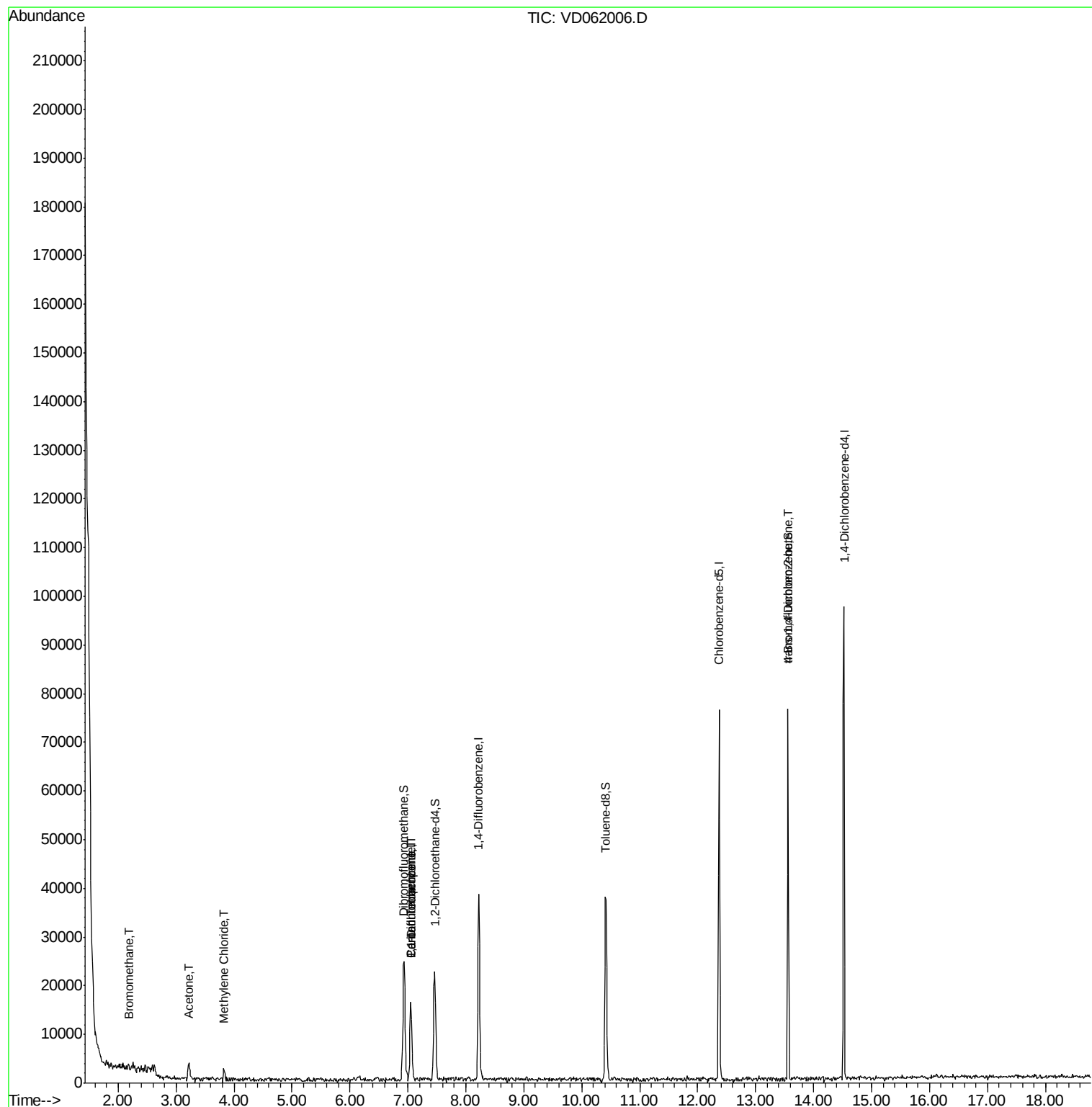
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.05	168	18420	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.22	114	44815	50.00	ug/l	0.00
63) Chlorobenzene-d5	12.37	117	47726	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	14.52	152	24538	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	7.45	65	25065	173.86	ug/l	0.00
Spiked Amount	50.000		Recovery	=	347.72%	
35) Dibromofluoromethane	6.93	113	23028	74.30	ug/l	0.00
Spiked Amount	50.000		Recovery	=	148.60%	
50) Toluene-d8	10.42	98	37096	50.30	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.60%	
62) 4-Bromofluorobenzene	13.56	95	21620	73.09	ug/l	0.00
Spiked Amount	50.000		Recovery	=	146.18%	
Target Compounds						
5) Bromomethane	2.17	94	589	15.174	ug/l #	12
16) Acetone	3.22	43	6422	186.565	ug/l	90
20) Methylene Chloride	3.82	84	1579	6.658	ug/l #	80
36) 1,1-Dichloropropene	7.04	75	1160	3.322	ug/l #	40
38) Carbon Tetrachloride	7.05	117	1346	3.042	ug/l #	12
81) trans-1,4-Dichloro-2-buten	13.56	75	8597	91.045	ug/l #	16

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

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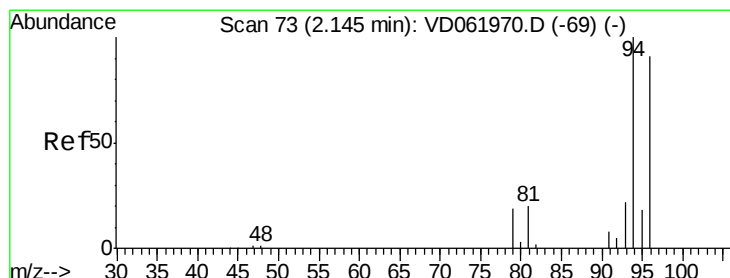
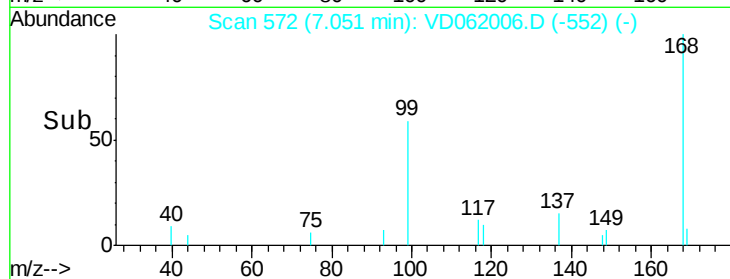
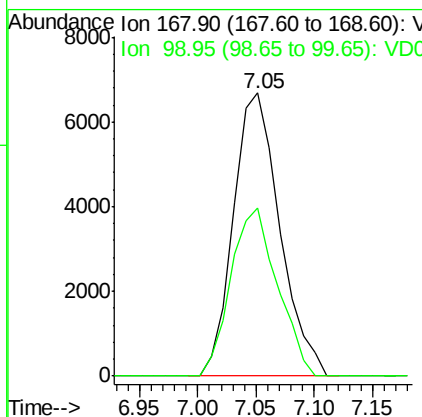
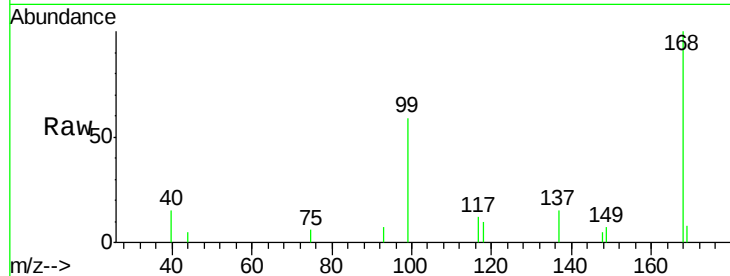




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.05 min Scan# 572
Delta R.T. -0.00 min
Lab File: VD062006.D
Acq: 24 Apr 2019 19:20

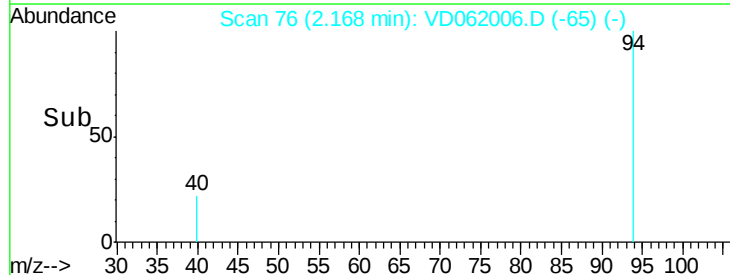
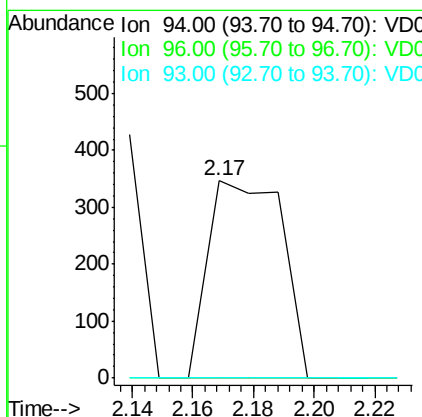
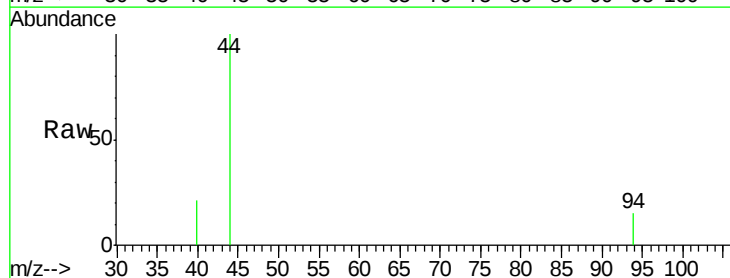
Instrument :
MSVOA_D
ClientSampleId :

Tot Ion:168 Resp: 18420
Ion Ratio Lower Upper
168 100
99 59.2 46.5 69.7



#5
Bromomethane
Concen: 15.174 ug/l
RT: 2.17 min Scan# 76
Delta R.T. 0.01 min
Lab File: VD062006.D
Acq: 24 Apr 2019 19:20

Tgt Ion: 94 Resp: 589
Ion Ratio Lower Upper
94 100
96 0.0 76.6 115.0#
93 0.0 18.5 27.7#





#16

Acetone

Concen: 186.565 ug/l

RT: 3.22 min Scan# 183

Delta R.T. -0.00 min

Lab File: VD062006.D

Acq: 24 Apr 2019 19:20

Instrument :

MSVOA_D

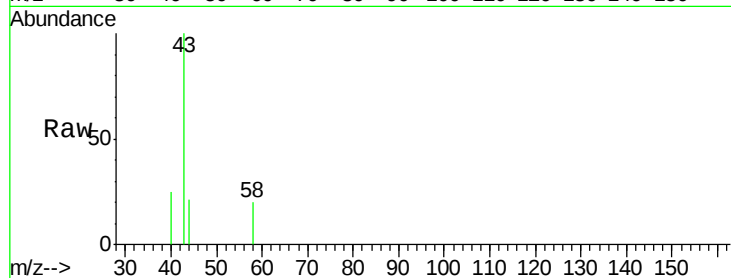
ClientSampled :

Tot Ion: 43 Resp: 6422

Ion Ratio Lower Upper

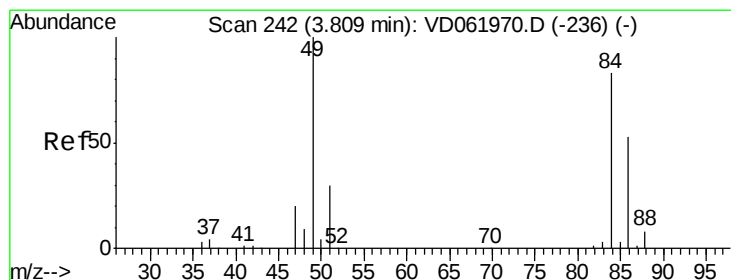
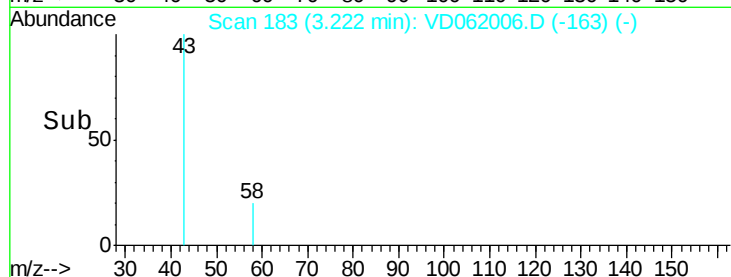
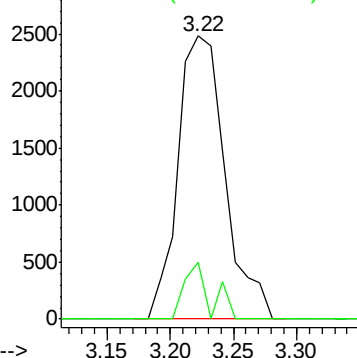
43 100

58 20.0 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: 6.658 ug/l

RT: 3.82 min Scan# 244

Delta R.T. -0.00 min

Lab File: VD062006.D

Acq: 24 Apr 2019 19:20

Tgt Ion: 84 Resp: 1579

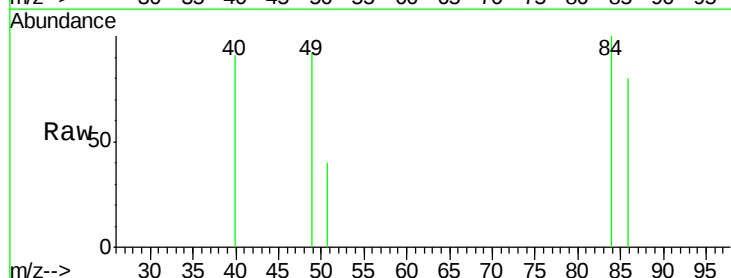
Ion Ratio Lower Upper

84 100

49 92.3 94.0 141.0#

51 39.9 29.0 43.4

86 79.9 49.8 74.6#

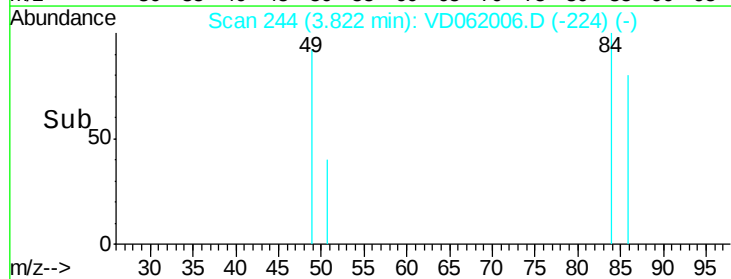
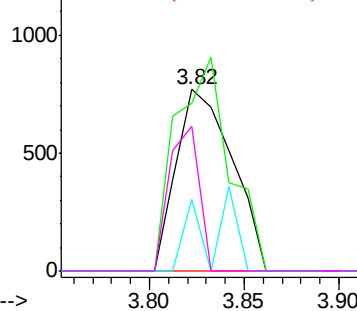


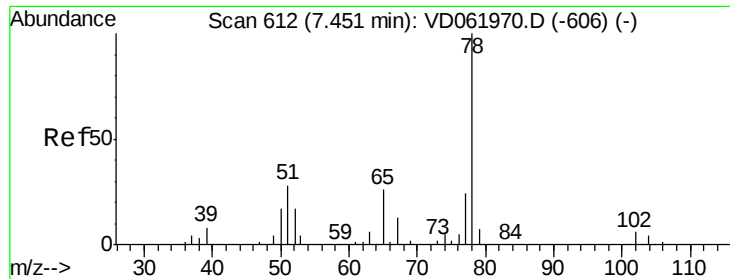
Abundance Ion 83.95 (83.65 to 84.65): VDC

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





#33

1,2-Dichloroethane-d4

Concen: N.D. ug/l

RT: 7.45 min Scan# 613

Delta R.T. -0.00 min

Lab File: VD062006.D

Acq: 24 Apr 2019 19:20

Instrument :

MSVOA_D

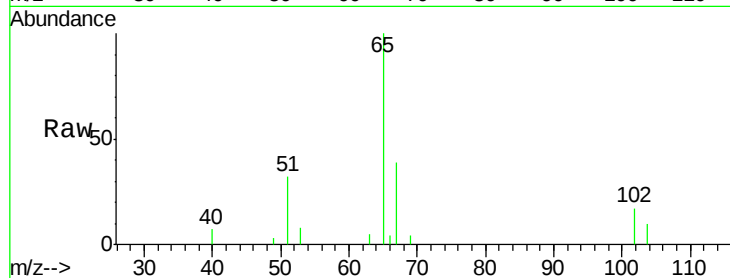
ClientSampleId :

Tot Ion: 65 Resp: 25065

Ion Ratio Lower Upper

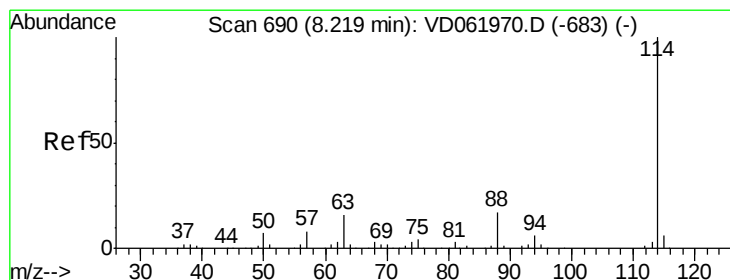
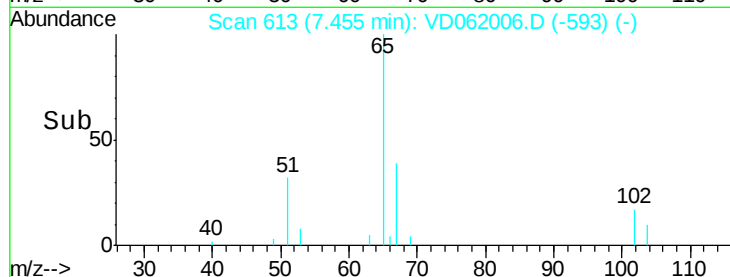
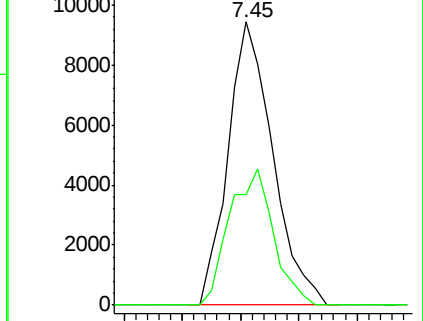
65 100

67 38.9 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: 8.22 min Scan# 691

Delta R.T. -0.00 min

Lab File: VD062006.D

Acq: 24 Apr 2019 19:20

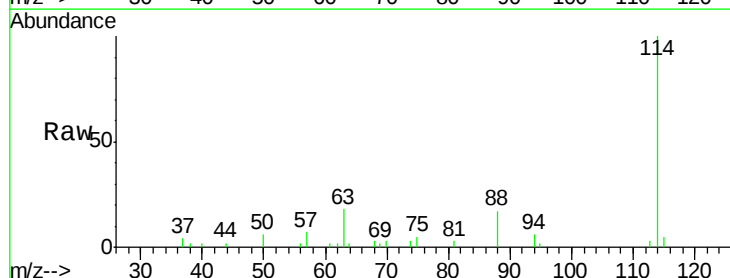
Tgt Ion: 114 Resp: 44815

Ion Ratio Lower Upper

114 100

63 18.0 0.0 32.4

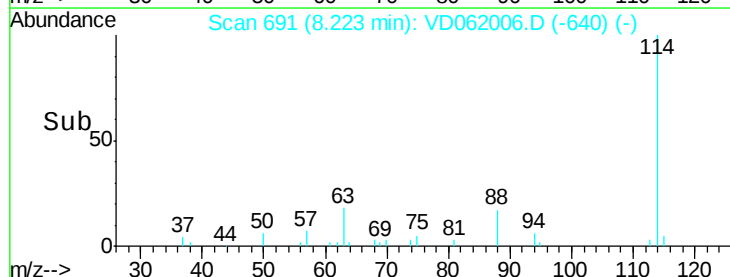
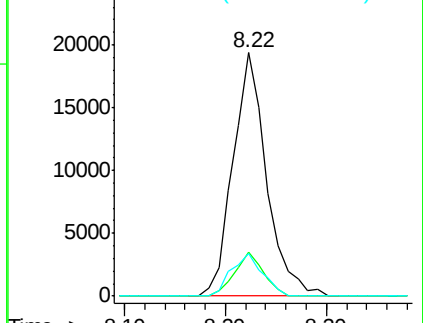
88 17.4 0.0 33.6

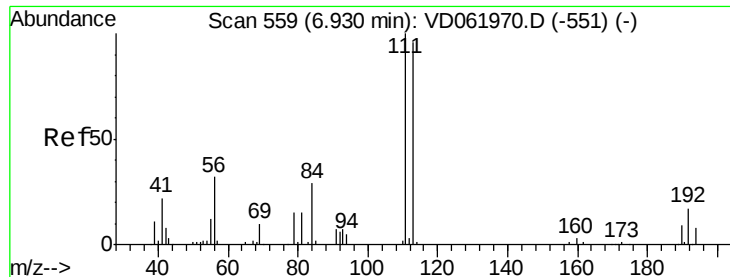


Abundance Ion 114.00 (113.70 to 114.70): V

Ion 62.95 (62.65 to 63.65): VDC

Ion 87.90 (87.60 to 88.60): VDC

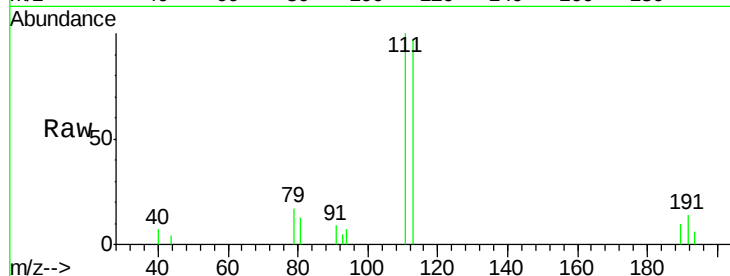




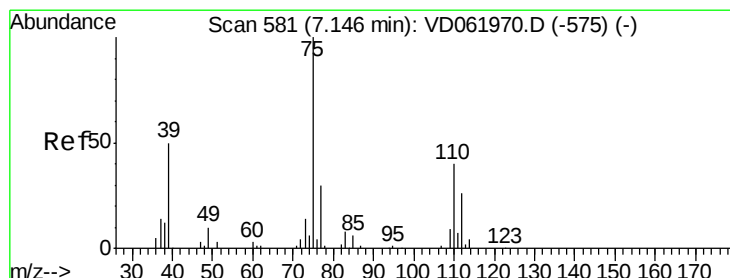
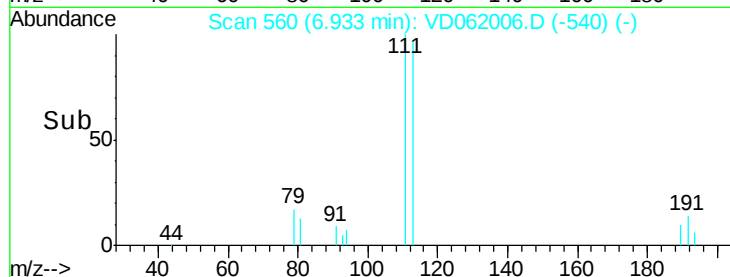
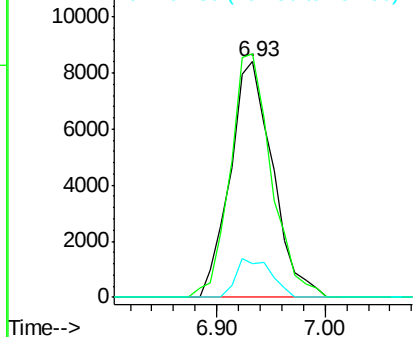
#35
 Dibromofluoromethane
 Concen: 50.000 ug/l
 RT: 6.93 min Scan# 560
 Delta R.T. -0.00 min
 Lab File: VD062006.D
 Acq: 24 Apr 2019 19:20

Instrument :
 MSVOA_D
 ClientSampleId :

Tot Ion:113 Resp: 23028
 Ion Ratio Lower Upper
 113 100
 111 103.3 78.5 117.7
 192 14.1 13.0 19.4

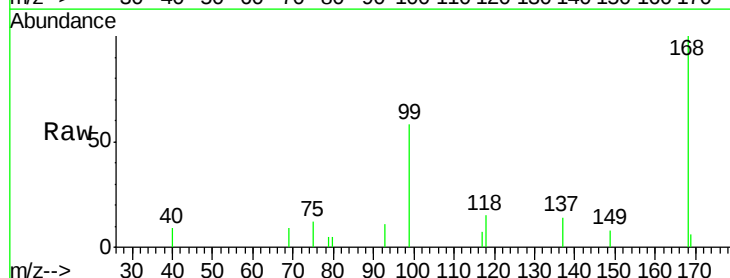


Abundance Ion 112.90 (112.60 to 113.60): V
 Ion 110.90 (110.60 to 111.60): V
 Ion 191.80 (191.50 to 192.50): V

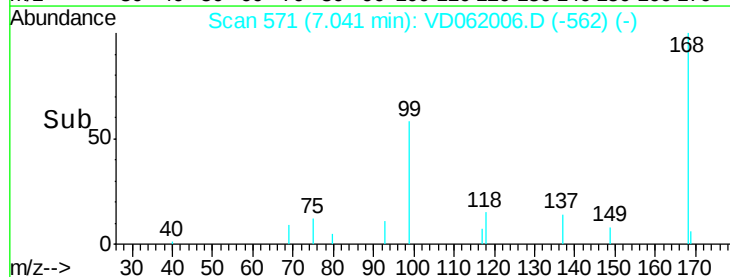
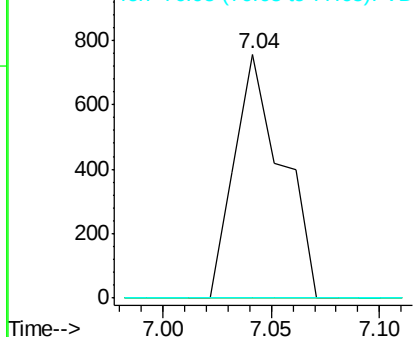


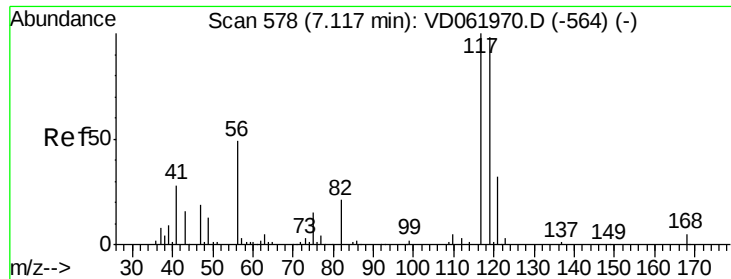
#36
 1,1-Dichloropropene
 Concen: 3.322 ug/l
 RT: 7.04 min Scan# 571
 Delta R.T. -0.11 min
 Lab File: VD062006.D
 Acq: 24 Apr 2019 19:20

Tgt Ion: 75 Resp: 1160
 Ion Ratio Lower Upper
 75 100
 110 0.0 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: 3.042 ug/l

RT: 7.05 min Scan# 572

Delta R.T. -0.07 min

Lab File: VD062006.D

Acq: 24 Apr 2019 19:20

Instrument :

MSVOA_D

ClientSampleId :

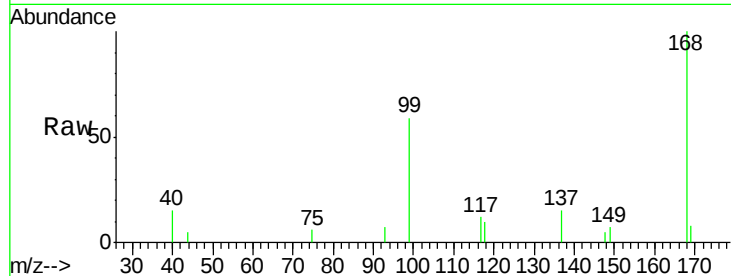
Tot Ion:117 Resp: 1346

Ion Ratio Lower Upper

117 100

119 0.0 75.8 113.8#

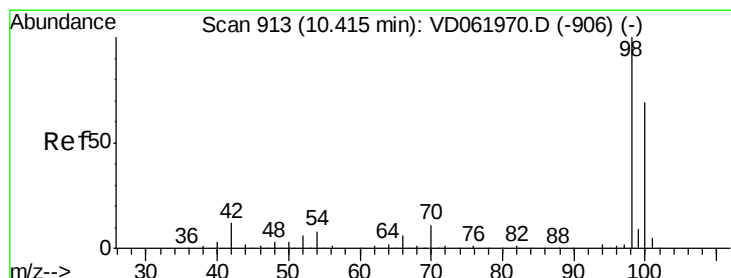
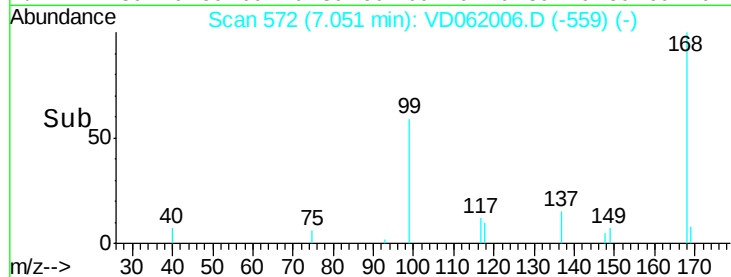
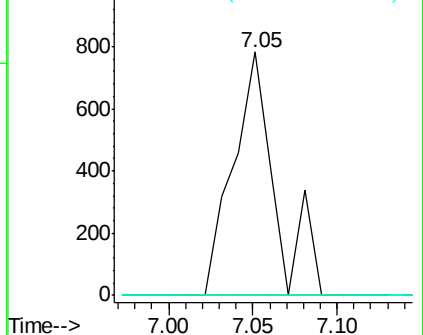
121 0.0 25.9 38.9#



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: N.D. ug/l

RT: 10.42 min Scan# 914

Delta R.T. -0.00 min

Lab File: VD062006.D

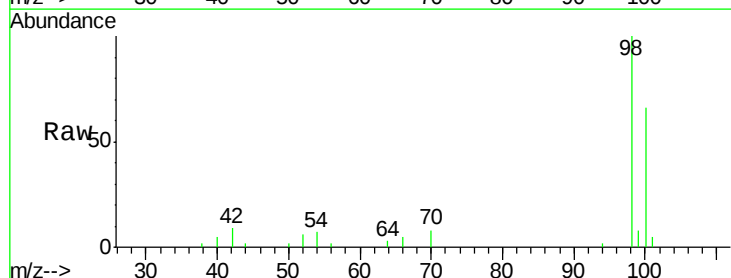
Acq: 24 Apr 2019 19:20

Tgt Ion: 98 Resp: 37096

Ion Ratio Lower Upper

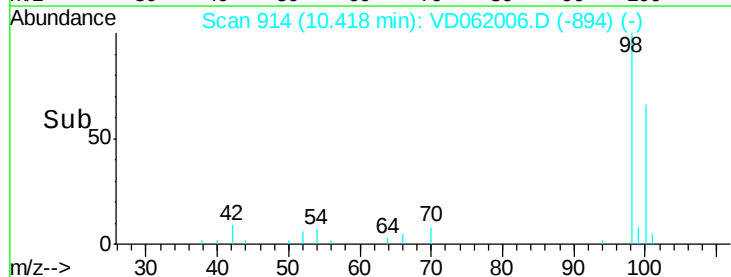
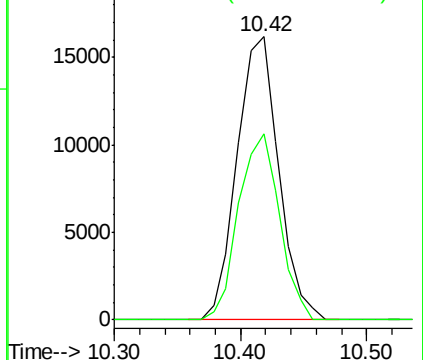
98 100

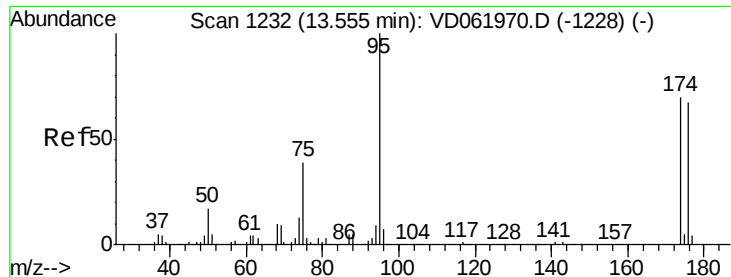
100 65.6 53.8 80.8



Abundance Ion 98.05 (97.75 to 98.75): V

Ion 100.05 (99.75 to 100.75): V





#62

4-Bromofluorobenzene

Concen: N.D. ug/l

RT: 13.56 min Scan# 1233

Delta R.T. -0.00 min

Lab File: VD062006.D

Acq: 24 Apr 2019 19:20

Instrument :

MSVOA_D

ClientSampleId :

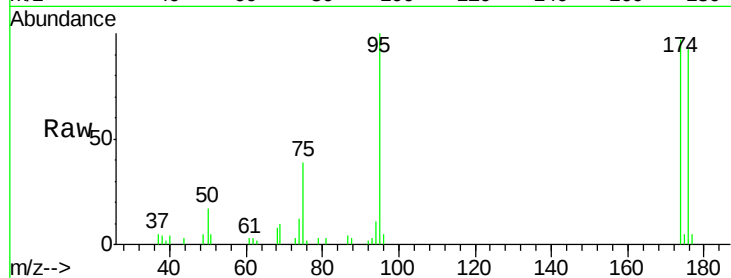
Tot Ion: 95 Resp: 21620

Ion Ratio Lower Upper

95 100

174 97.4 0.0 181.8

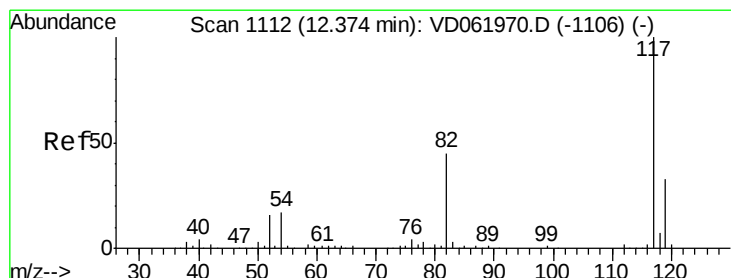
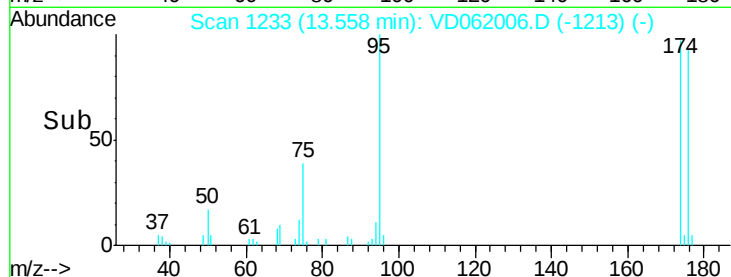
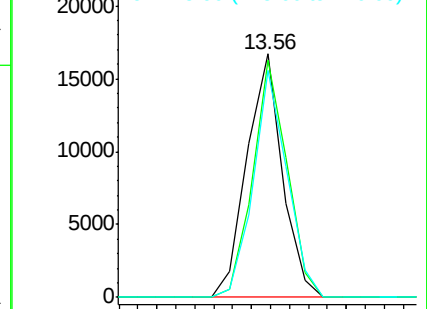
176 93.0 0.0 174.4



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: VD062006.D

Acq: 24 Apr 2019 19:20

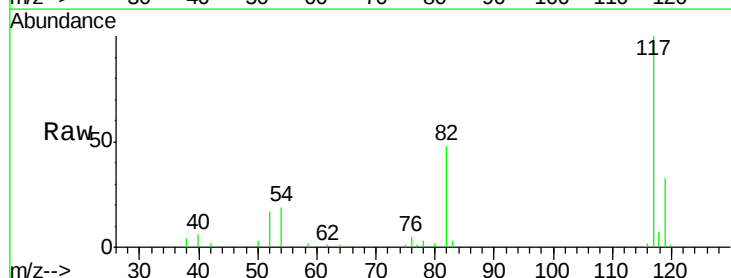
Tgt Ion: 117 Resp: 47726

Ion Ratio Lower Upper

117 100

82 48.2 36.2 54.2

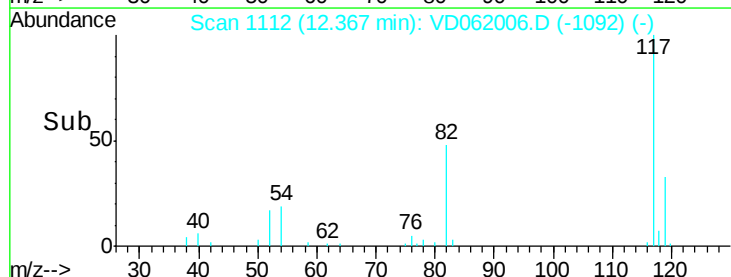
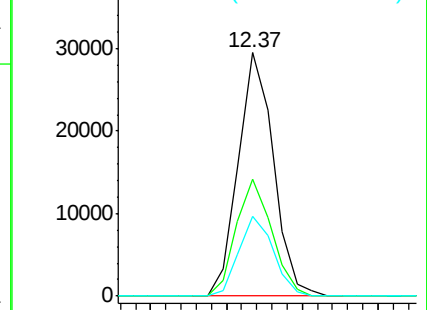
119 32.8 26.2 39.4

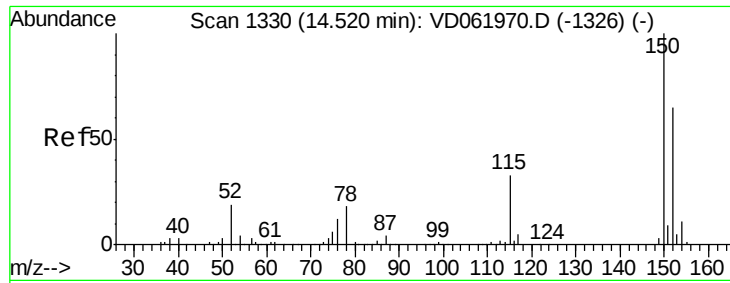


Abundance Ion 116.95 (116.65 to 117.65): V

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: VD062006.D

Acq: 24 Apr 2019 19:20

Instrument :

MSVOA_D

ClientSampleId :

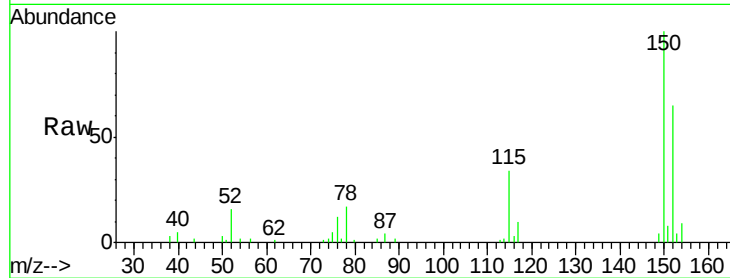
Tot Ion:152 Resp: 24538

Ion Ratio Lower Upper

152 100

115 52.2 30.9 92.7

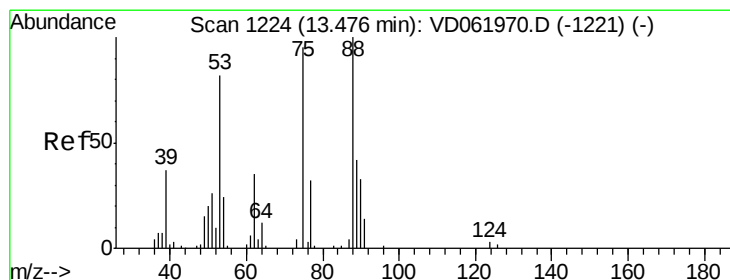
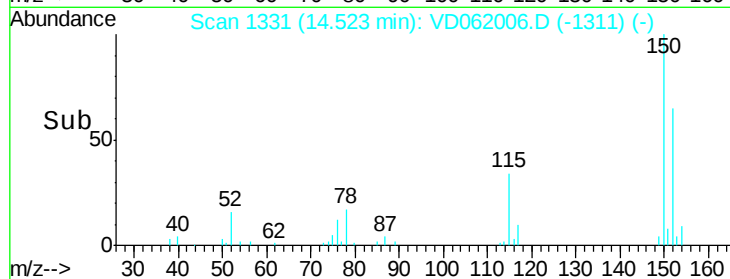
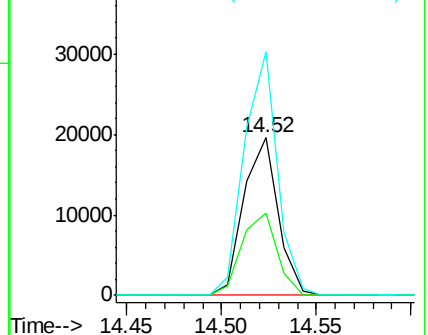
150 154.8 0.0 314.8



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: 91.045 ug/l

RT: 13.56 min Scan# 1233

Delta R.T. 0.08 min

Lab File: VD062006.D

Acq: 24 Apr 2019 19:20

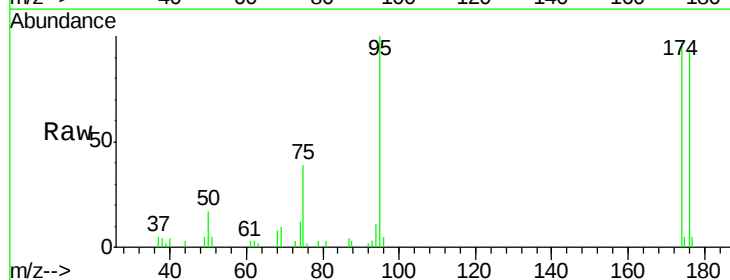
Tgt Ion: 75 Resp: 8597

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): V

Ion 53.00 (52.70 to 53.70): V

Ion 89.00 (88.70 to 89.70): V

