

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD040819\
 Data File : VD061652.D
 Acq On : 8 Apr 2019 15:46
 Operator : VA/AP
 Sample : K2240-06
 Misc : 5.03g/5ml/MSVOA D/SOIL
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Apr 09 01:19:46 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D040619S.M
 Quant Title : SW846 8260
 QLast Update : Mon Apr 08 10:04:03 2019
 Response via : Initial Calibration

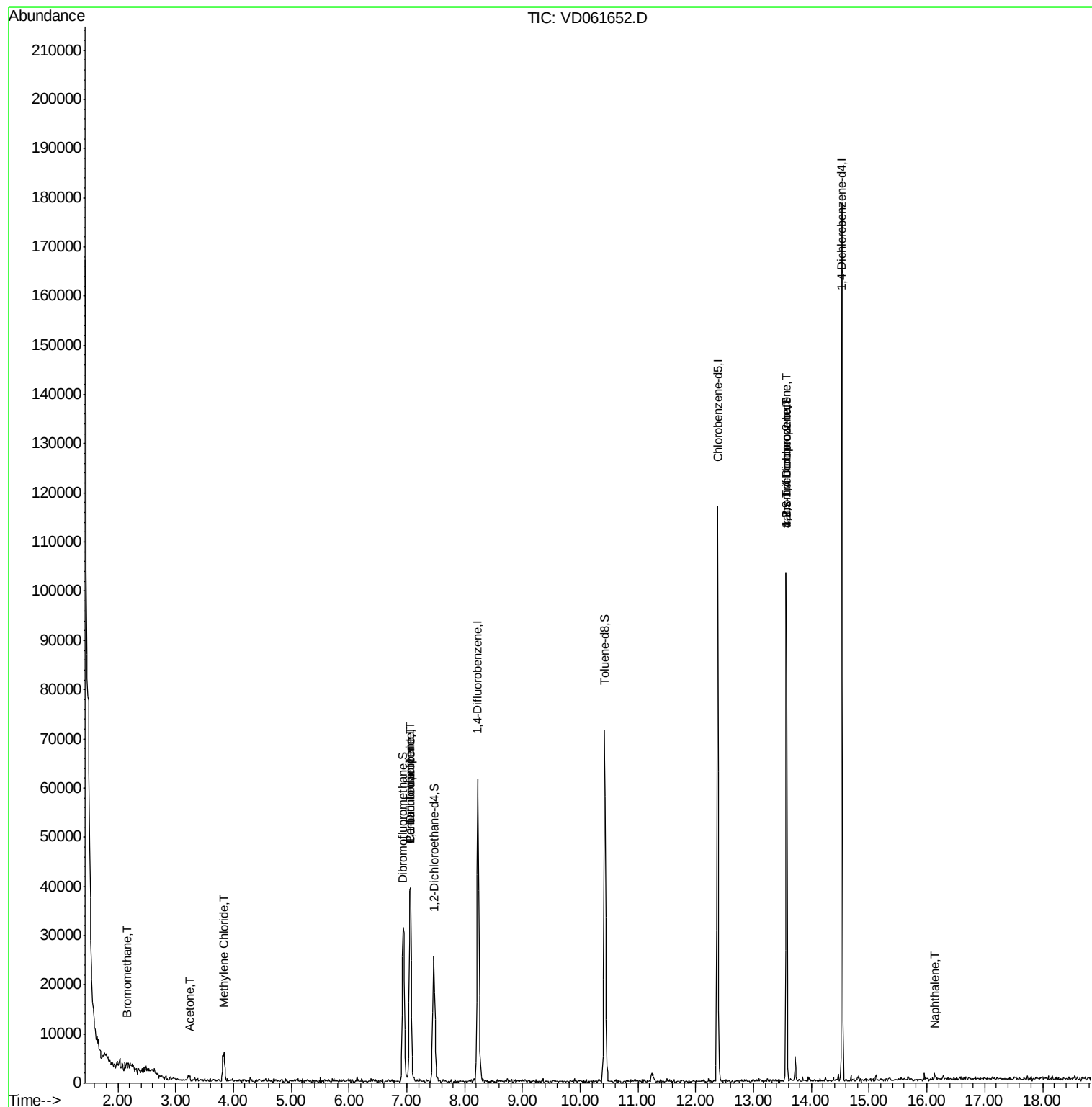
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.05	168	43549	50.00	ug/l	0.02
34) 1,4-Difluorobenzene	8.24	114	79962	50.00	ug/l	0.03
63) Chlorobenzene-d5	12.38	117	78177	50.00	ug/l	0.02
72) 1,4-Dichlorobenzene-d4	14.53	152	39636	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	7.46	65	27931	84.61	ug/l	0.00
Spiked Amount 50.000			Recovery	=	169.22%	
35) Dibromofluoromethane	6.95	113	32171	58.08	ug/l	0.03
Spiked Amount 50.000			Recovery	=	116.16%	
50) Toluene-d8	10.42	98	64644	46.45	ug/l	0.02
Spiked Amount 50.000			Recovery	=	92.90%	
62) 4-Bromofluorobenzene	13.56	95	32797	74.37	ug/l	0.00
Spiked Amount 50.000			Recovery	=	148.74%	
Target Compounds						
					Qvalue	
5) Bromomethane	2.14	94	365	4.445	ug/l #	12
16) Acetone	3.23	43	1648	16.701	ug/l #	51
20) Methylene Chloride	3.83	84	4766	8.511	ug/l #	87
36) 1,1-Dichloropropene	7.05	75	2780	3.972	ug/l #	39
38) Carbon Tetrachloride	7.06	117	3334	4.065	ug/l #	11
76) 1,2,3-Trichloropropane	13.56	75	10350	19.193	ug/l #	43
81) trans-1,4-Dichloro-2-buten	13.56	75	12175	74.402	ug/l #	20
95) Naphthalene	16.13	128	1297	1.480	ug/l #	70

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

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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_D\METHOD\82D040619S.M
Quant Title : SW846 8260
QLast Update : Mon Apr 08 10:04:03 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.05 min Scan# 572

Delta R.T. 0.02 min

Lab File: VD061652.D

Acq: 8 Apr 2019 15:46

Instrument :

MSVOA_D

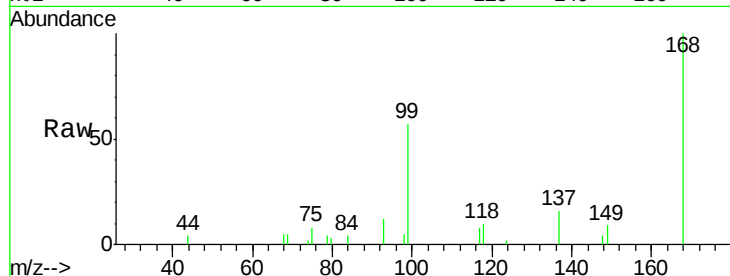
ClientSampleId :

Tot Ion:168 Resp: 43549

Ion Ratio Lower Upper

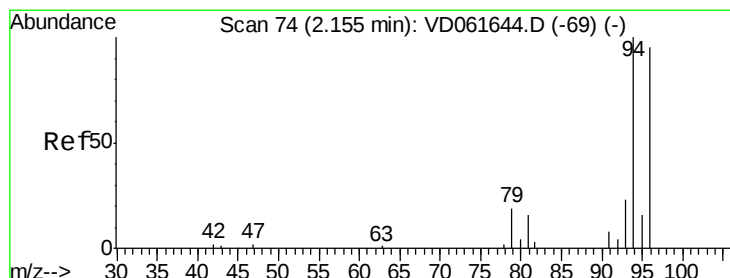
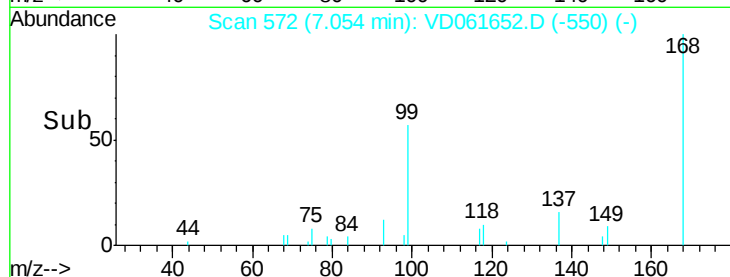
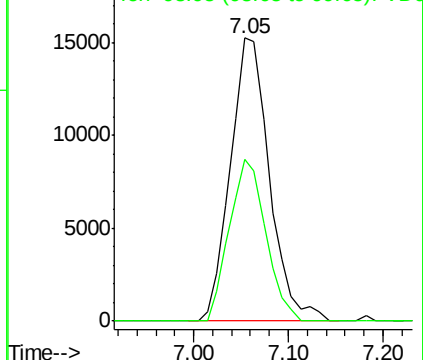
168 100

99 57.2 46.8 70.2



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC



#5

Bromomethane

Concen: 4.445 ug/l

RT: 2.14 min Scan# 73

Delta R.T. -0.01 min

Lab File: VD061652.D

Acq: 8 Apr 2019 15:46

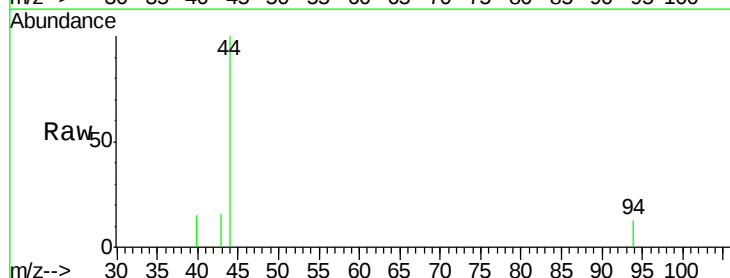
Tgt Ion: 94 Resp: 365

Ion Ratio Lower Upper

94 100

96 0.0 75.8 113.8#

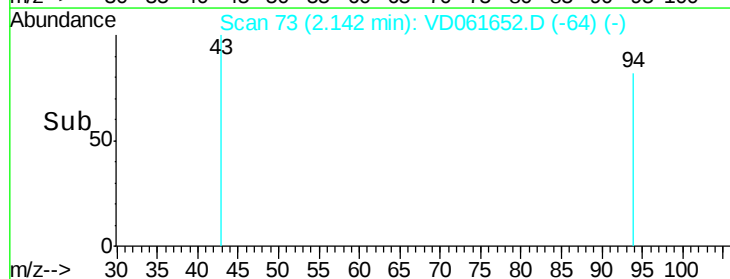
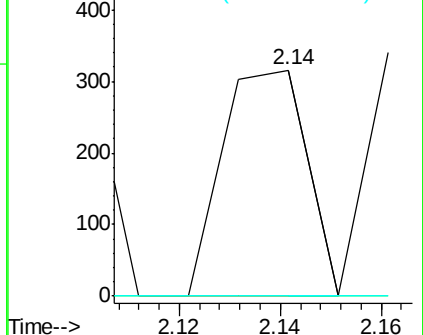
93 0.0 18.6 28.0#



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: 16.701 ug/l

RT: 3.23 min Scan# 184

Delta R.T. 0.02 min

Lab File: VD061652.D

Acq: 8 Apr 2019 15:46

Instrument :

MSVOA_D

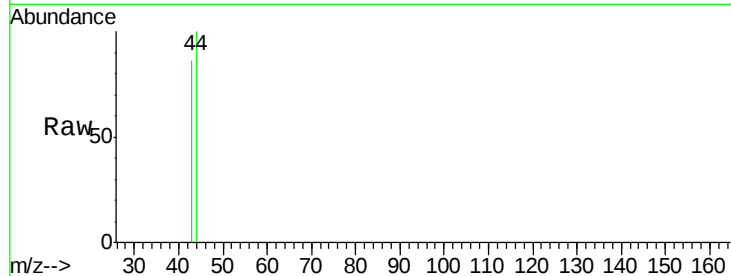
ClientSampleId :

Tot Ion: 43 Resp: 1648

Ion Ratio Lower Upper

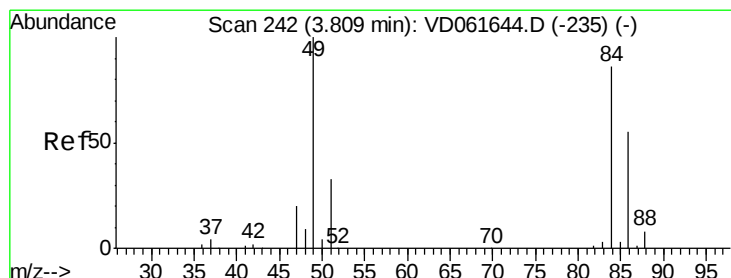
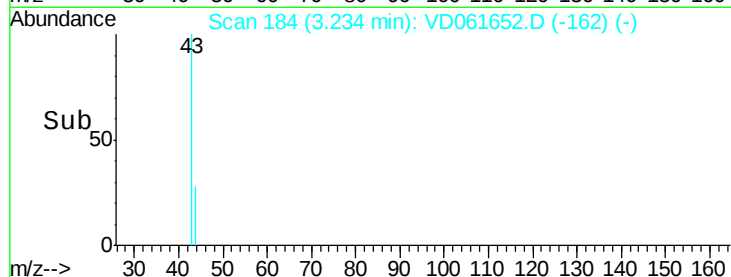
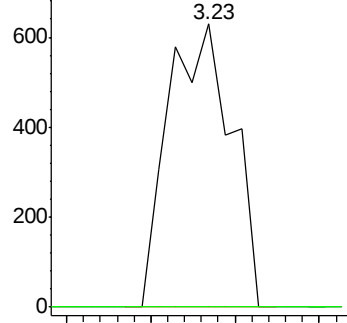
43 100

58 0.0 19.7 29.5#



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC



#20

Methylene Chloride

Concen: 8.511 ug/l

RT: 3.83 min Scan# 245

Delta R.T. 0.03 min

Lab File: VD061652.D

Acq: 8 Apr 2019 15:46

Tgt Ion: 84 Resp: 4766

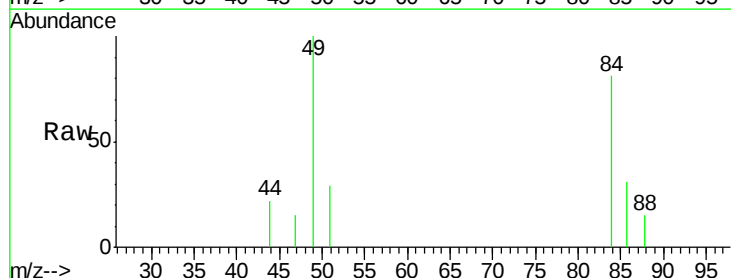
Ion Ratio Lower Upper

84 100

49 123.0 93.0 139.4

51 36.0 30.4 45.6

86 38.2 51.0 76.4#

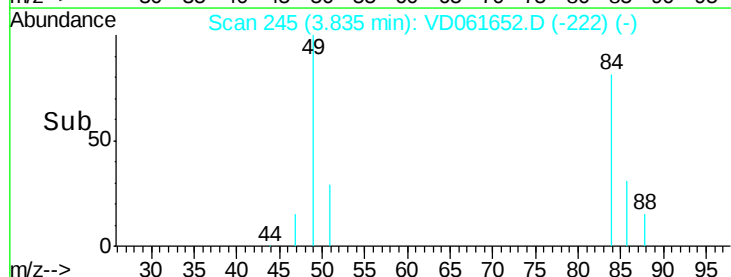
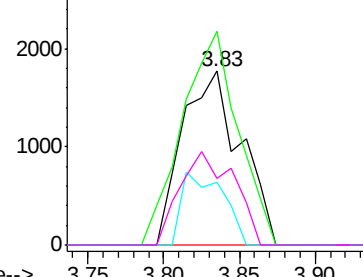


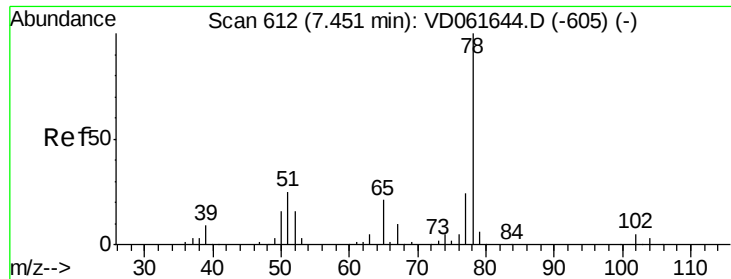
Abundance Ion 83.95 (83.65 to 84.65): VDC

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

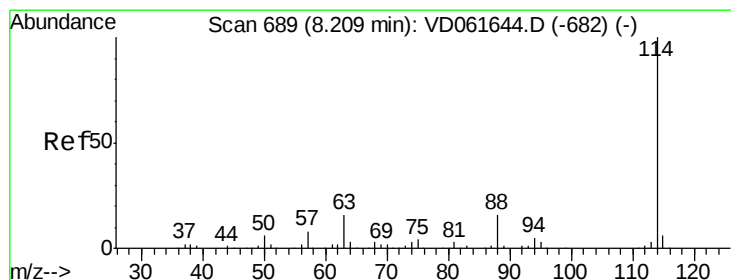
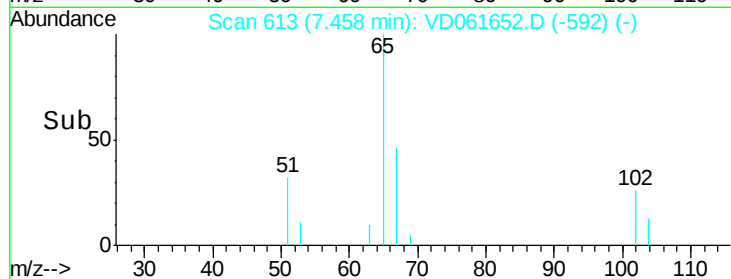
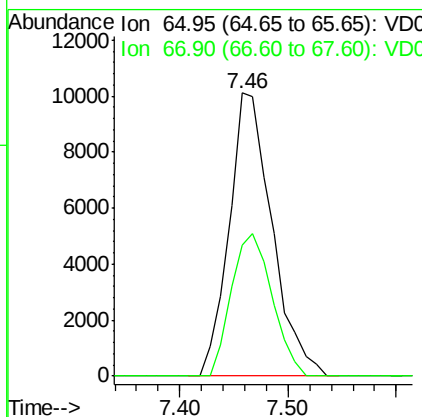
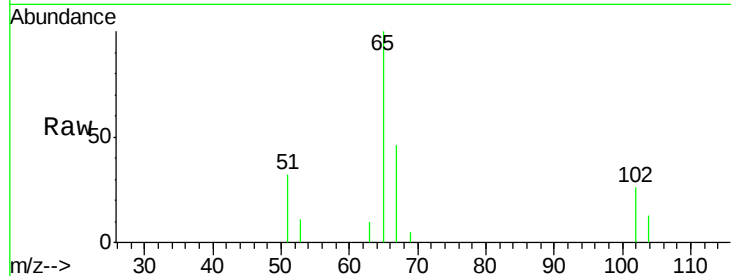




#33
 1,2-Dichloroethane-d4
 Concen: N.D. ug/l
 RT: 7.46 min Scan# 613
 Delta R.T. 0.01 min
 Lab File: VD061652.D
 Acq: 8 Apr 2019 15:46

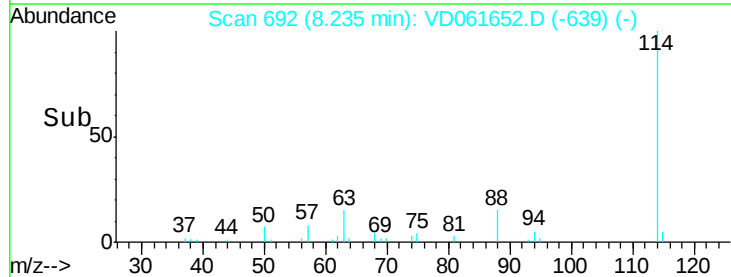
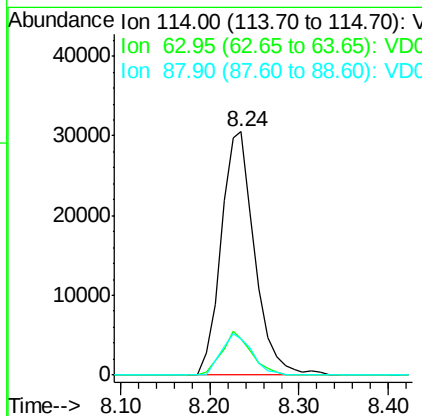
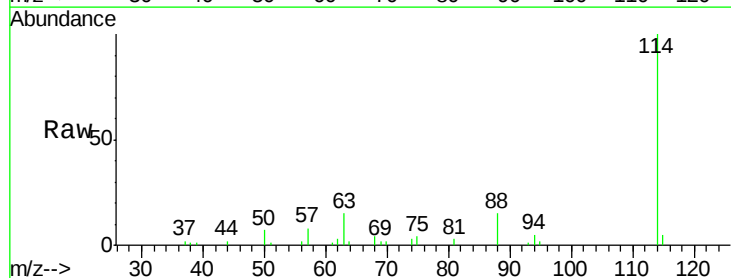
Instrument :
 MSVOA_D
 ClientSampleID :

Tot Ion: 65 Resp: 27931
 Ion Ratio Lower Upper
 65 100
 67 46.4 0.0 99.4



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.24 min Scan# 692
 Delta R.T. 0.03 min
 Lab File: VD061652.D
 Acq: 8 Apr 2019 15:46

Tgt Ion: 114 Resp: 79962
 Ion Ratio Lower Upper
 114 100
 63 14.9 0.0 31.2
 88 14.8 0.0 31.8





#35

Dibromofluoromethane

Concen: 50.000 ug/l

RT: 6.95 min Scan# 561

Delta R.T. 0.03 min

Lab File: VD061652.D

Acq: 8 Apr 2019 15:46

Instrument :
MSVOA_D
ClientSampleId :

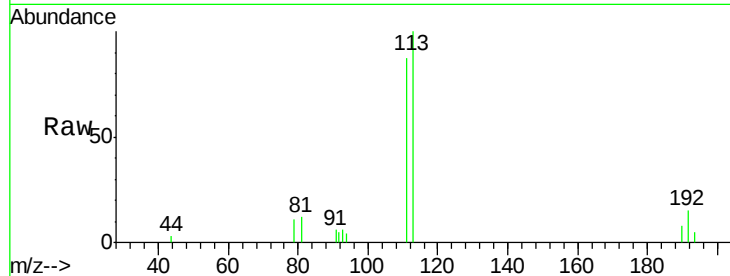
Tot Ion:113 Resp: 32171

Ion Ratio Lower Upper

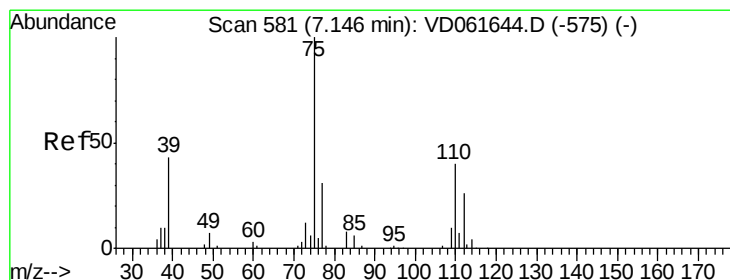
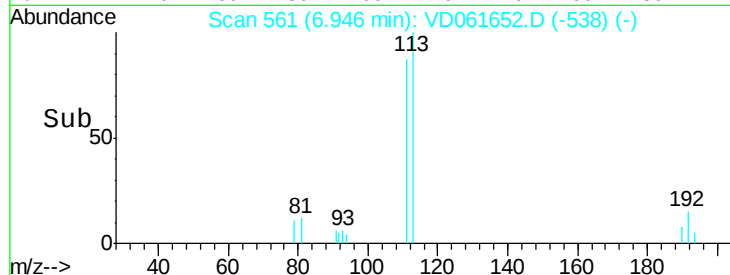
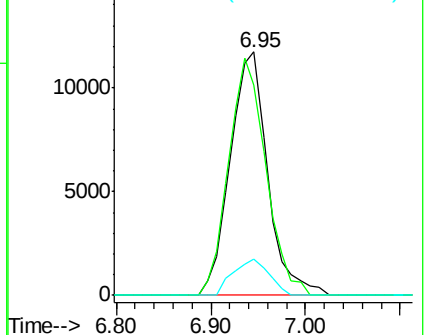
113 100

111 86.5 79.3 118.9

192 15.0 12.3 18.5



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: 3.972 ug/l

RT: 7.05 min Scan# 572

Delta R.T. -0.09 min

Lab File: VD061652.D

Acq: 8 Apr 2019 15:46

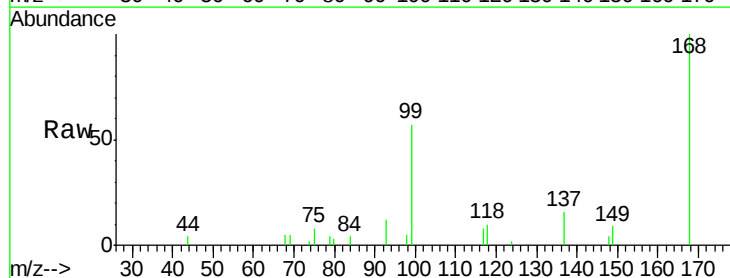
Tgt Ion: 75 Resp: 2780

Ion Ratio Lower Upper

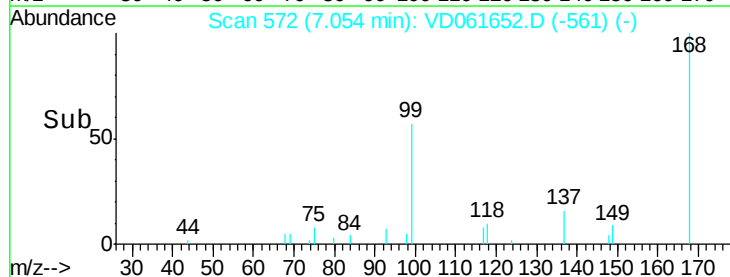
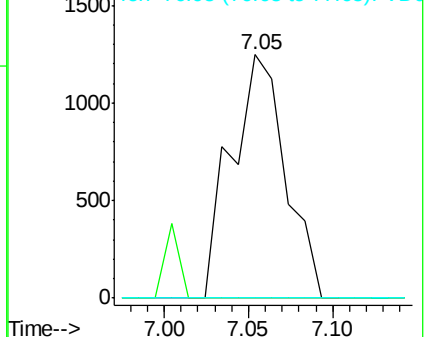
75 100

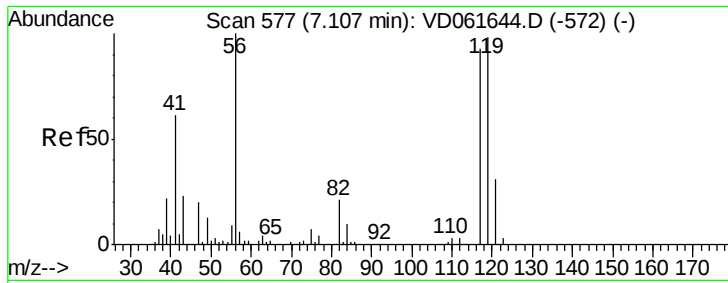
110 0.0 19.7 59.0#

77 0.0 24.8 37.2#



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

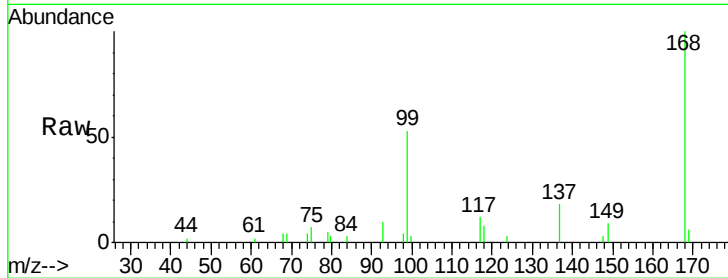




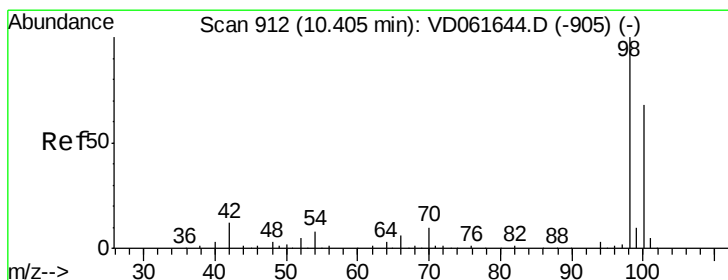
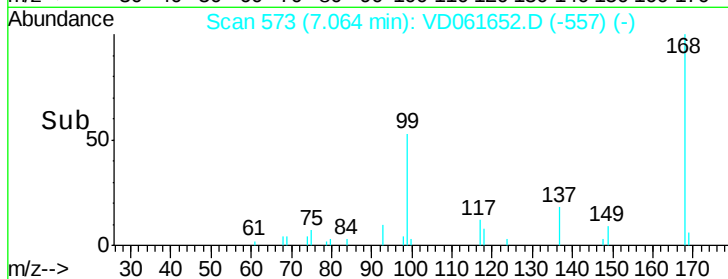
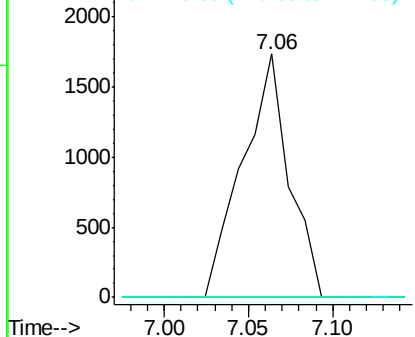
#38
Carbon Tetrachloride
Concen: 4.065 ug/l
RT: 7.06 min Scan# 573
Delta R.T. -0.04 min
Lab File: VD061652.D
Acq: 8 Apr 2019 15:46

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion:117 Resp: 3334
Ion Ratio Lower Upper
117 100
119 0.0 77.9 116.9#
121 0.0 24.7 37.1#

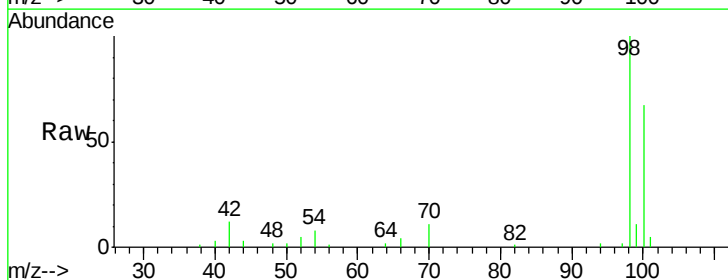


Abundance Ion 116.85 (116.55 to 117.55): V
Ion 118.85 (118.55 to 119.55): V
Ion 120.85 (120.55 to 121.55): V

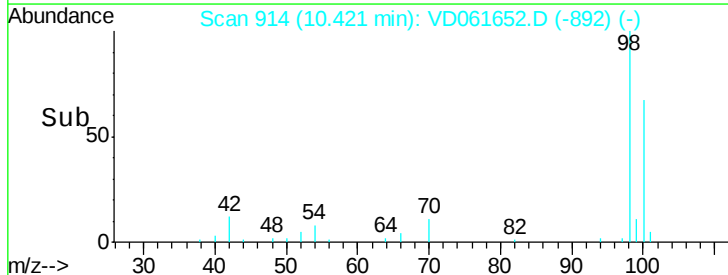
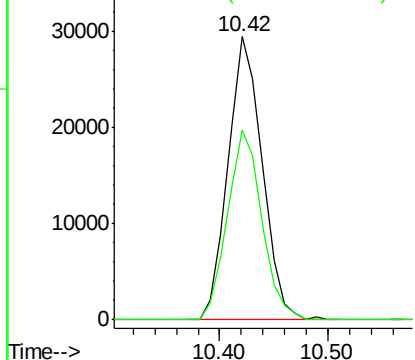


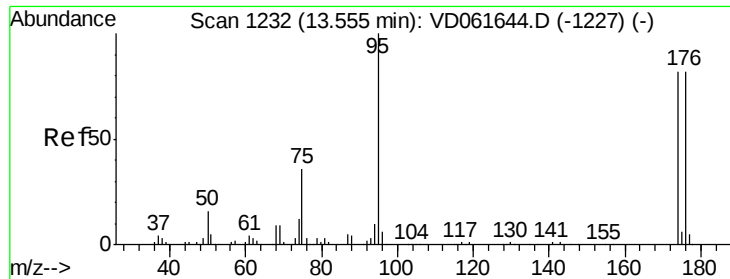
#50
Toluene-d8
Concen: N.D. ug/l
RT: 10.42 min Scan# 914
Delta R.T. 0.02 min
Lab File: VD061652.D
Acq: 8 Apr 2019 15:46

Tgt Ion: 98 Resp: 64644
Ion Ratio Lower Upper
98 100
100 67.1 55.4 83.0



Abundance Ion 98.05 (97.75 to 98.75): VDC
Ion 100.05 (99.75 to 100.75): VDC

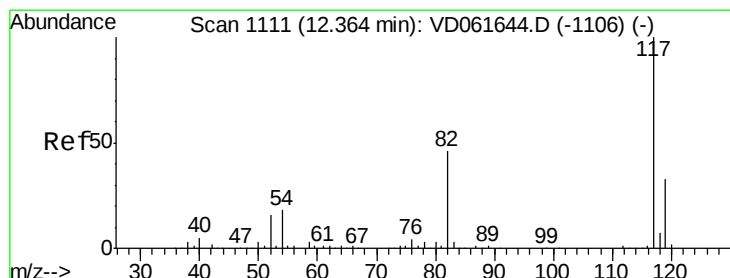
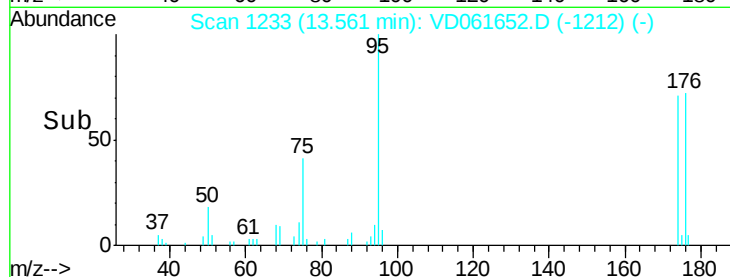
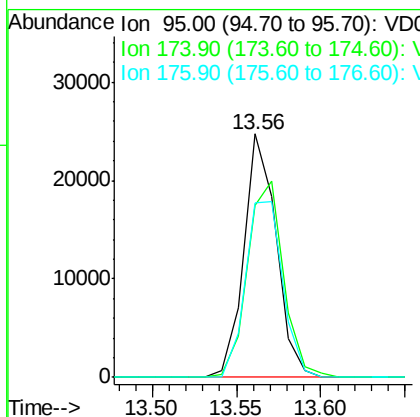
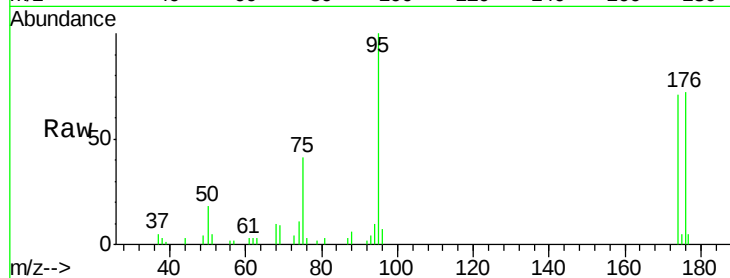




#62
4-Bromofluorobenzene
Concen: N.D. ug/l
RT: 13.56 min Scan# 1233
Delta R.T. 0.01 min
Lab File: VD061652.D
Acq: 8 Apr 2019 15:46

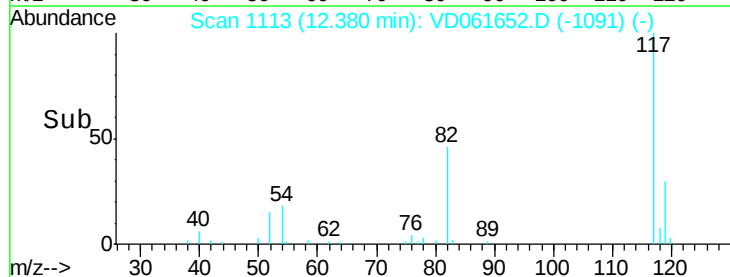
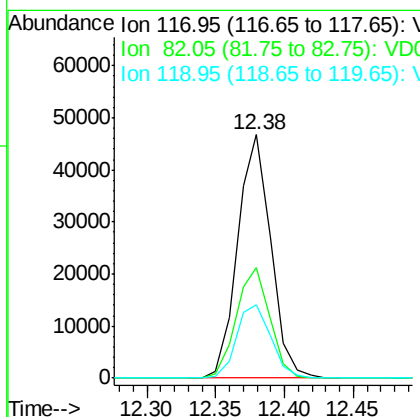
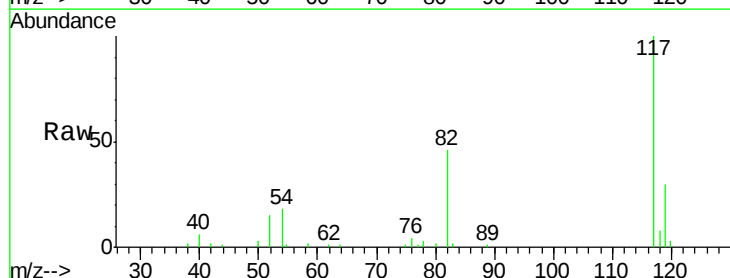
Instrument :
MSVOA_D
ClientSampleId :

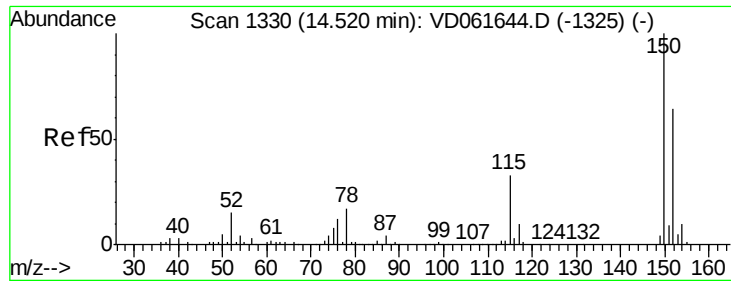
Tot Ion: 95 Resp: 32797
Ion Ratio Lower Upper
95 100
174 70.6 0.0 164.6
176 71.9 0.0 165.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 12.38 min Scan# 1113
Delta R.T. 0.02 min
Lab File: VD061652.D
Acq: 8 Apr 2019 15:46

Tgt Ion: 117 Resp: 78177
Ion Ratio Lower Upper
117 100
82 45.5 36.8 55.2
119 30.2 26.1 39.1



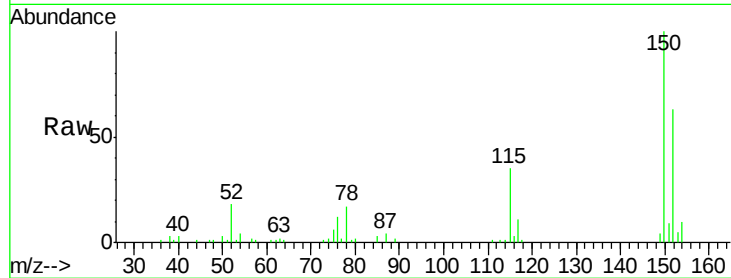


#72

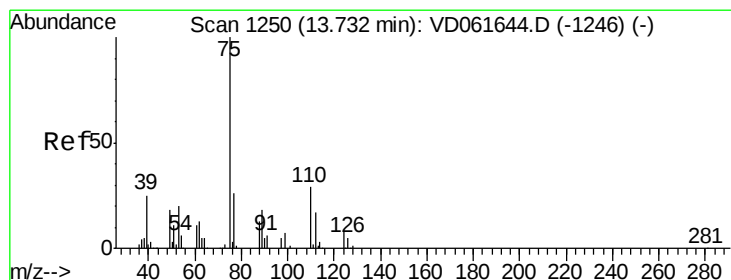
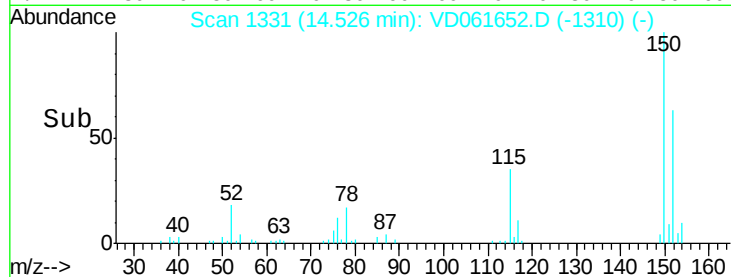
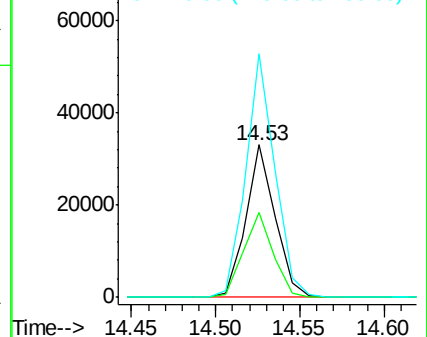
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 14.53 min Scan# 1331
Delta R.T. 0.01 min
Lab File: VD061652.D
Acq: 8 Apr 2019 15:46

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion:152 Resp: 39636
Ion Ratio Lower Upper
152 100
115 55.7 26.4 79.2
150 159.8 0.0 320.6



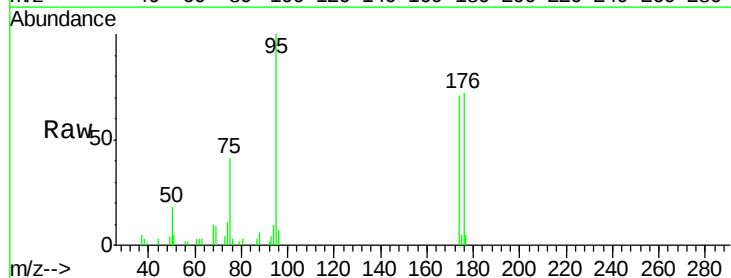
Abundance Ion 151.90 (151.60 to 152.60): V
Ion 115.00 (114.70 to 115.70): V
Ion 149.90 (149.60 to 150.60): V



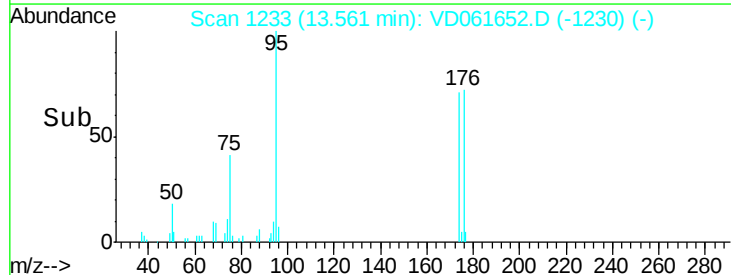
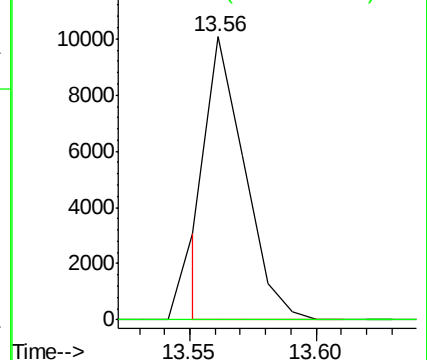
#76

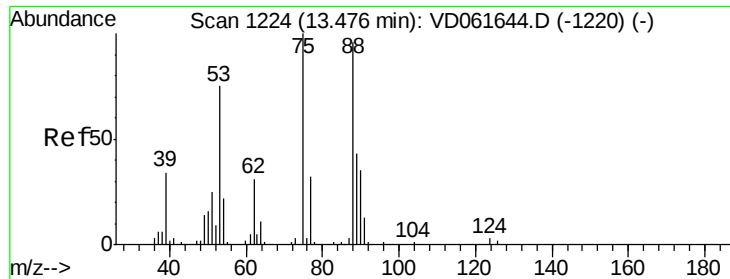
1,2,3-Trichloropropane
Concen: 19.193 ug/l
RT: 13.56 min Scan# 1233
Delta R.T. -0.17 min
Lab File: VD061652.D
Acq: 8 Apr 2019 15:46

Tgt Ion: 75 Resp: 10350
Ion Ratio Lower Upper
75 100
77 0.0 15.7 47.1#



Abundance Ion 75.00 (74.70 to 75.70): VDC
Ion 76.95 (76.65 to 77.65): VDC

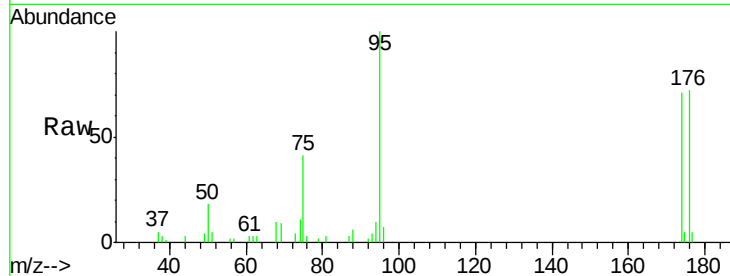




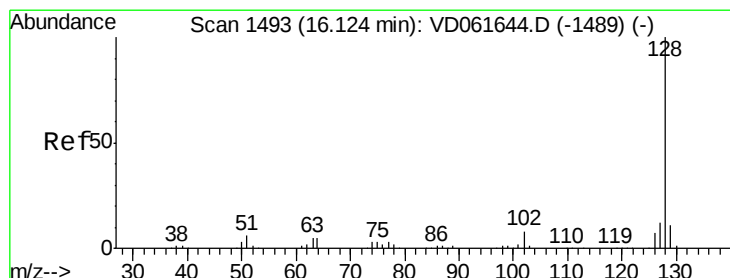
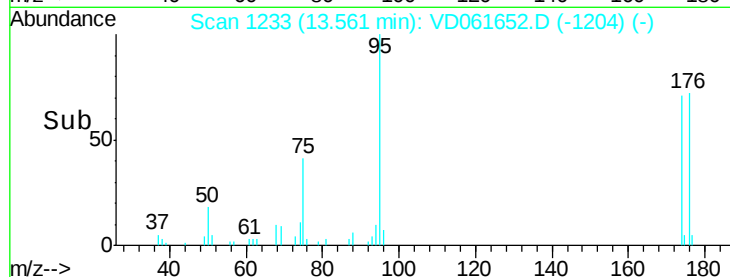
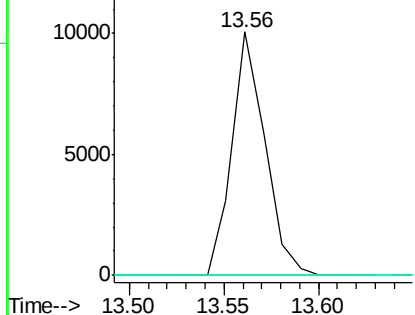
#81
trans-1,4-Dichloro-2-butene
Concen: 74.402 ug/l
RT: 13.56 min Scan# 1233
Delta R.T. 0.08 min
Lab File: VD061652.D
Acq: 8 Apr 2019 15:46

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 75 Resp: 12175
Ion Ratio Lower Upper
75 100
53 0.0 60.2 90.2#
89 0.0 34.2 51.2#

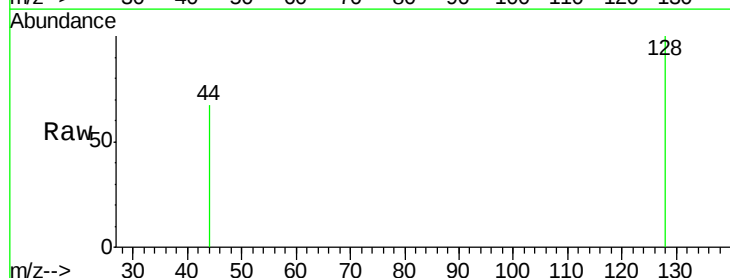


Abundance Ion 75.00 (74.70 to 75.70): VDC
Ion 53.00 (52.70 to 53.70): VDC
Ion 89.00 (88.70 to 89.70): VDC



#95
Naphthalene
Concen: 1.480 ug/l
RT: 16.13 min Scan# 1494
Delta R.T. 0.01 min
Lab File: VD061652.D
Acq: 8 Apr 2019 15:46

Tgt Ion: 128 Resp: 1297
Ion Ratio Lower Upper
128 100
127 0.0 9.4 14.2#
129 0.0 8.8 13.2#



Abundance Ion 128.00 (127.70 to 128.70): V
Ion 127.00 (126.70 to 127.70): V
Ion 129.00 (128.70 to 129.70): V

