

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD031819\
 Data File : VD061150.D
 Acq On : 18 Mar 2019 17:28
 Operator : VA/AP
 Sample : K1935-06
 Misc : 4.94g/5ml/MSVOA D/SOIL
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Mar 19 02:17:24 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	7.05	168	405077	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.22	114	671140	50.00	ug/l	0.00
63) Chlorobenzene-d5	12.36	117	442770	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	14.51	152	119152	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	7.45	65	170448	50.55	ug/l	0.00
Spiked Amount			Recovery	=	101.10%	
35) Dibromofluoromethane	6.92	113	267018	53.61	ug/l	0.00
Spiked Amount			Recovery	=	107.22%	
50) Toluene-d8	10.40	98	538058	43.02	ug/l	0.00
Spiked Amount			Recovery	=	86.04%	
62) 4-Bromofluorobenzene	13.55	95	150253	30.96	ug/l	0.00
Spiked Amount			Recovery	=	61.92%	

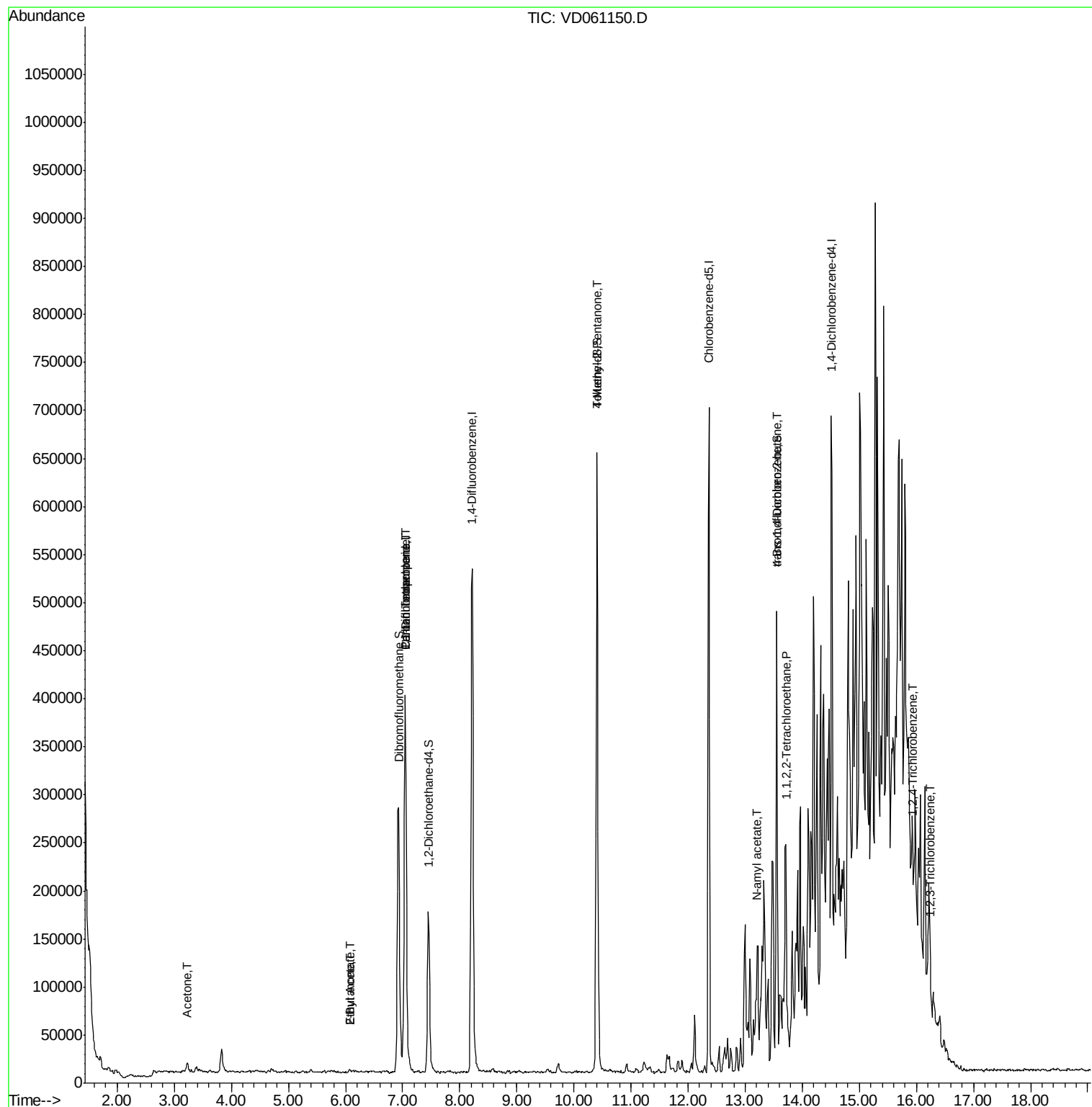
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	2.17	94	181	Below Cal	#	8
16) Acetone	3.23	43	19785	20.520	ug/l	96
20) Methylene Chloride	3.83	84	18999	Below Cal		89
25) 2-Butanone	6.06	43	4777	4.366	ug/l	95
36) 1,1-Dichloropropene	7.05	75	30705	5.308	ug/l #	46
37) Ethyl Acetate	6.06	43	4777	1.760	ug/l #	66
38) Carbon Tetrachloride	7.05	117	39592	6.213	ug/l #	15
51) 4-Methyl-2-Pentanone	10.40	43	2906	1.262	ug/l #	1
74) N-amyl acetate	13.21	43	22759	9.413	ug/l #	57
75) 1,1,2,2-Tetrachloroethane	13.70	83	15226	9.088	ug/l #	65
81) trans-1,4-Dichloro-2-buten	13.55	75	54595	108.026	ug/l #	19
93) 1,2,4-Trichlorobenzene	15.95	180	1866	1.233	ug/l #	1
96) 1,2,3-Trichlorobenzene	16.25	180	833	1.114	ug/l #	1

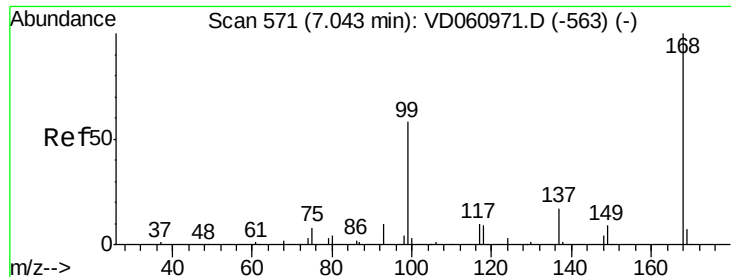
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD031819\
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.05 min Scan# 571

Delta R.T. 0.00 min

Lab File: VD061150.D

Acq: 18 Mar 2019 17:28

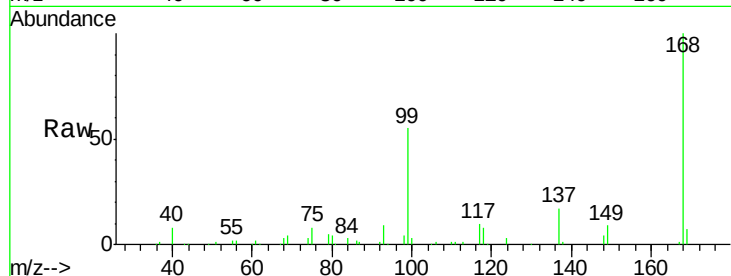
Instrument :
MSVOA_D
ClientSampleId :

Tot Ion:168 Resp: 405077

Ion Ratio Lower Upper

168 100

99 55.3 47.3 70.9



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC

7.05

150000

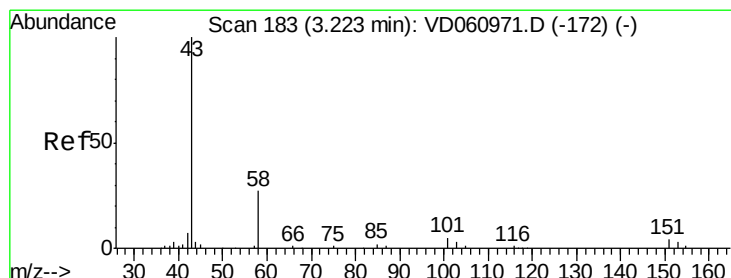
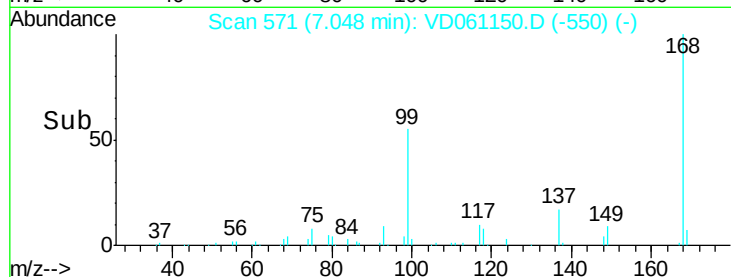
100000

50000

0

Time-->

6.90 7.00 7.10 7.20



#16

Acetone

Concen: 20.520 ug/l

RT: 3.23 min Scan# 183

Delta R.T. 0.00 min

Lab File: VD061150.D

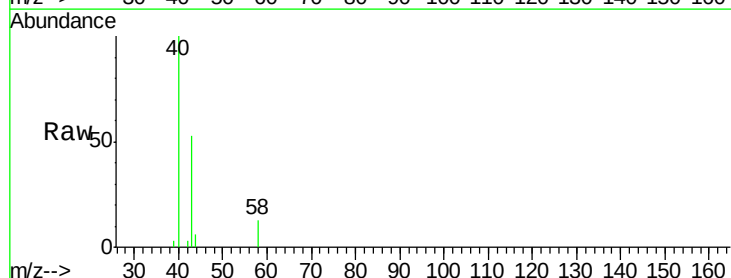
Acq: 18 Mar 2019 17:28

Tgt Ion: 43 Resp: 19785

Ion Ratio Lower Upper

43 100

58 24.7 21.6 32.4



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC

3.23

6000

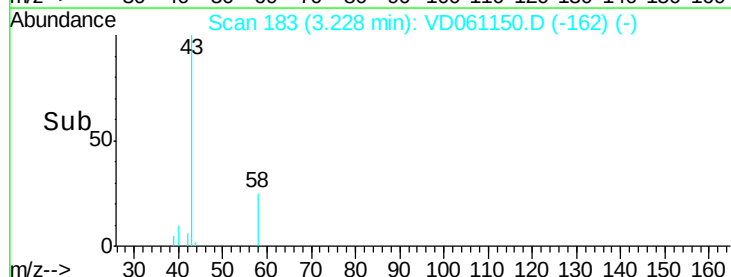
4000

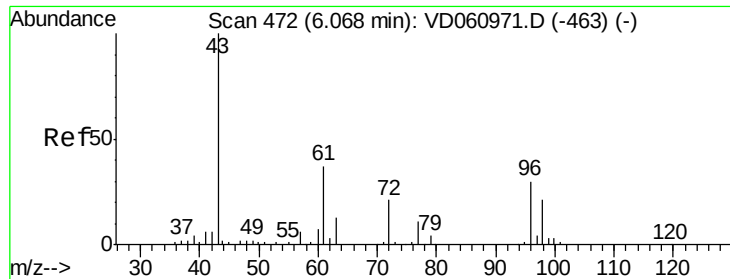
2000

0

Time-->

3.10 3.20 3.30





#25

2-Butanone

Concen: 4.366 ug/l

RT: 6.06 min Scan# 471

Delta R.T. -0.00 min

Lab File: VD061150.D

Acq: 18 Mar 2019 17:28

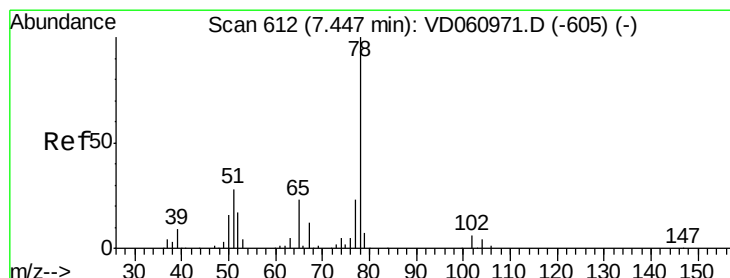
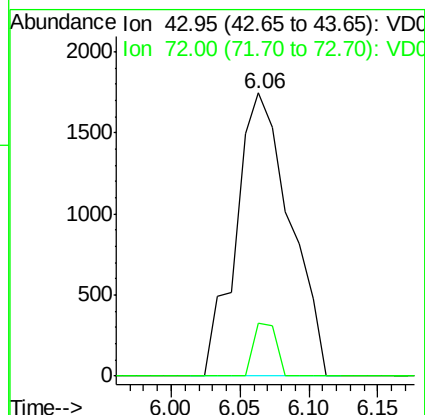
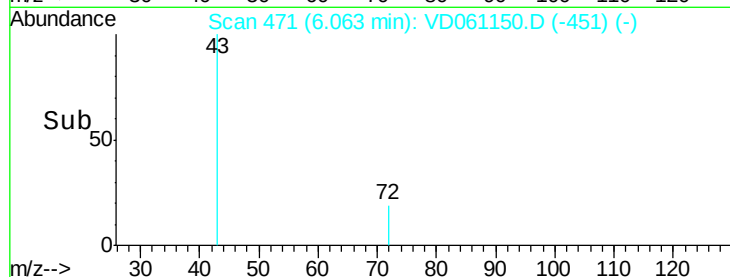
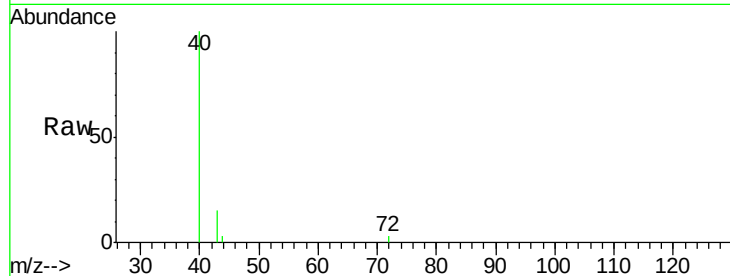
Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 43 Resp: 4777

Ion Ratio Lower Upper

43 100

72 18.7 16.7 25.1



#33

1,2-Dichloroethane-d4

Concen: N.D. ug/l

RT: 7.45 min Scan# 612

Delta R.T. 0.00 min

Lab File: VD061150.D

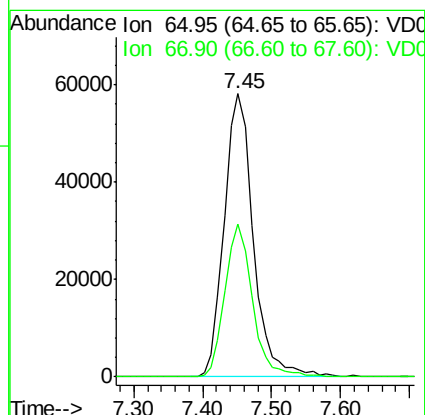
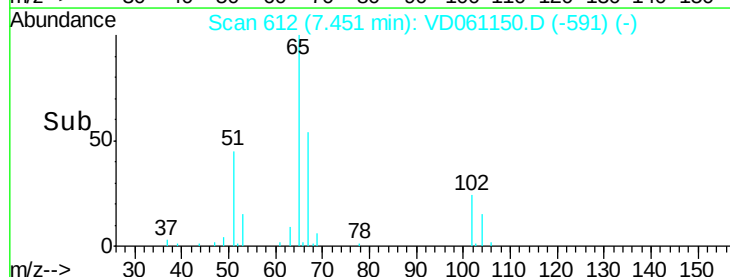
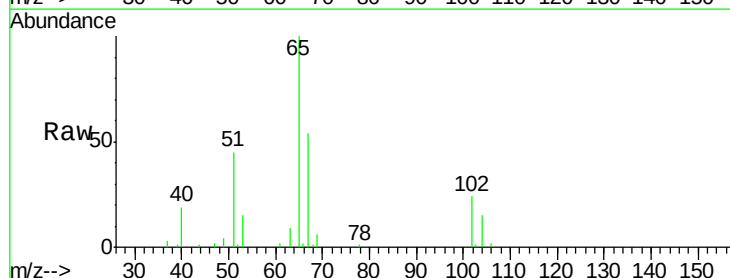
Acq: 18 Mar 2019 17:28

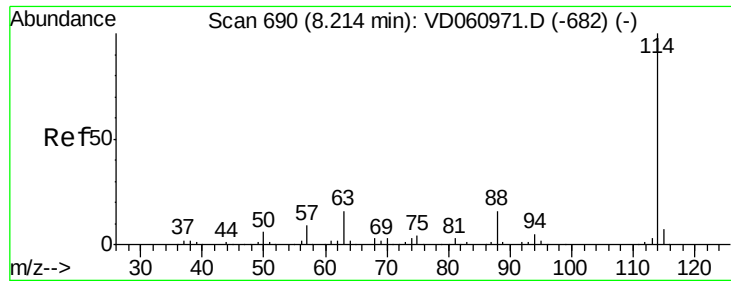
Tgt Ion: 65 Resp: 170448

Ion Ratio Lower Upper

65 100

67 53.8 0.0 105.2





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.22 min Scan# 690

Delta R.T. 0.00 min

Lab File: VD061150.D

Acq: 18 Mar 2019 17:28

Instrument :

MSVOA_D

ClientSampleId :

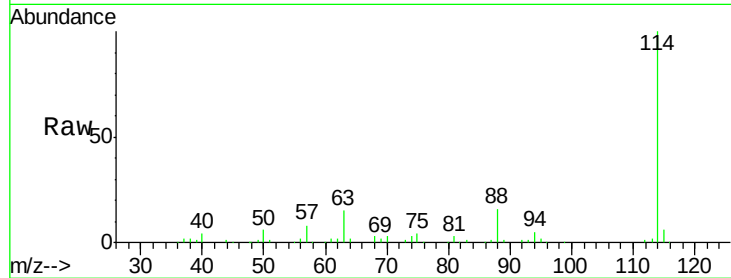
Tot Ion:114 Resp: 671140

Ion Ratio Lower Upper

114 100

63 14.9 0.0 31.4

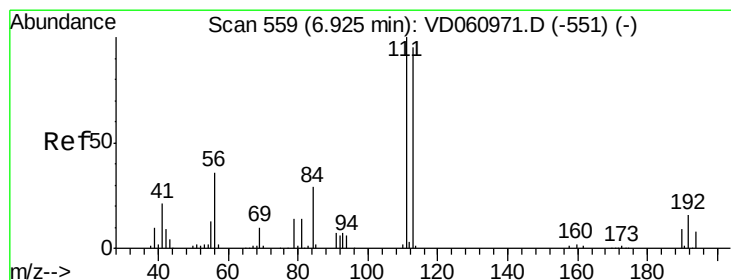
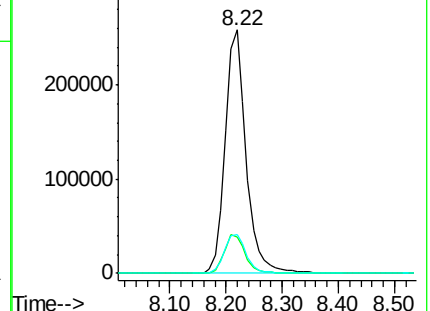
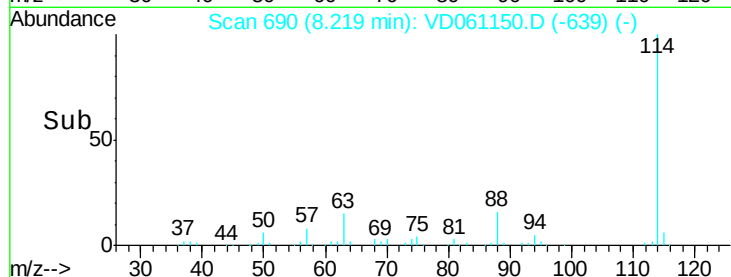
88 15.9 0.0 33.0



Abundance Ion 114.00 (113.70 to 114.70): V

Ion 62.95 (62.65 to 63.65): V

Ion 87.90 (87.60 to 88.60): V



#35

Dibromofluoromethane

Concen: 50.000 ug/l

RT: 6.92 min Scan# 558

Delta R.T. -0.00 min

Lab File: VD061150.D

Acq: 18 Mar 2019 17:28

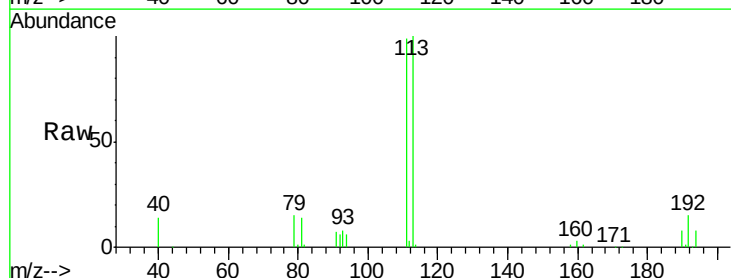
Tgt Ion:113 Resp: 267018

Ion Ratio Lower Upper

113 100

111 99.2 84.2 126.4

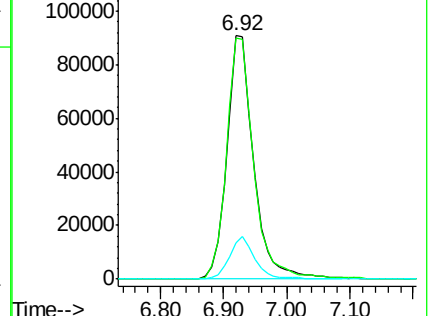
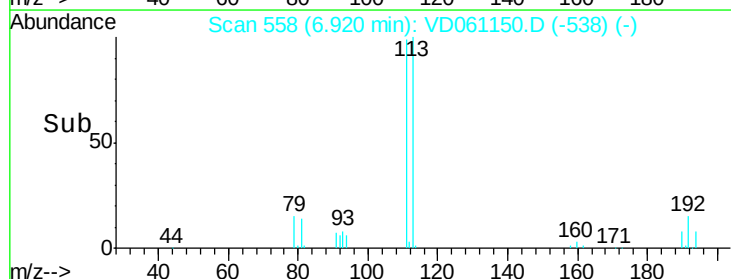
192 15.1 13.1 19.7

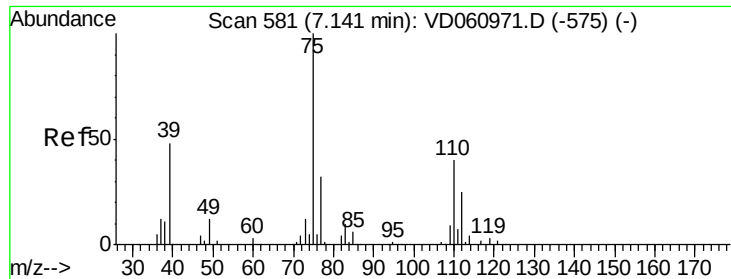


Abundance Ion 112.90 (112.60 to 113.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 191.80 (191.50 to 192.50): V

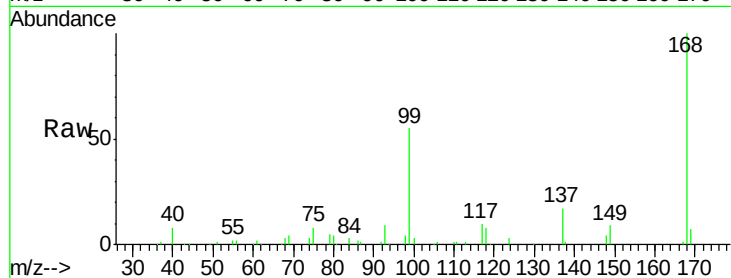




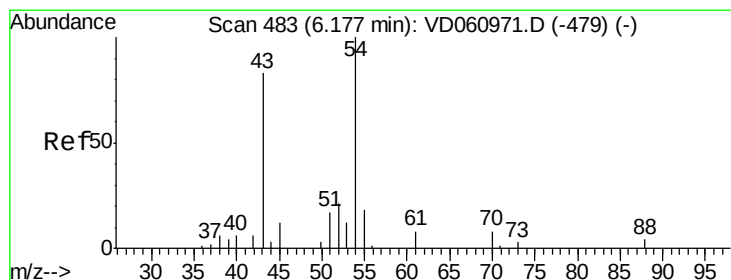
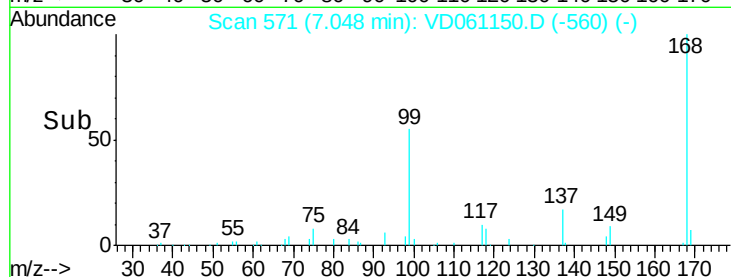
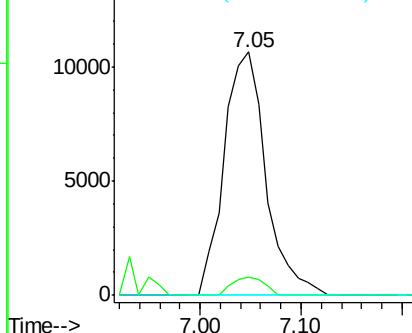
#36
 1,1-Dichloropropene
 Concen: 5.308 ug/l
 RT: 7.05 min Scan# 571
 Delta R.T. -0.09 min
 Lab File: VD061150.D
 Acq: 18 Mar 2019 17:28

Instrument :
 MSVOA_D
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
75	100		
110	7.4	19.7	59.1#
77	0.0	24.7	37.1#

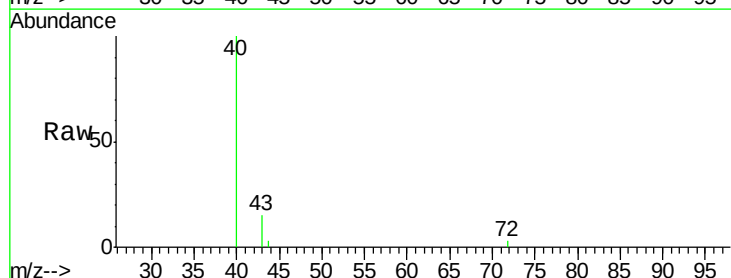


Abundance Ion 75.00 (74.70 to 75.70): VDC
 Ion 109.90 (109.60 to 110.60): VDC
 Ion 76.95 (76.65 to 77.65): VDC

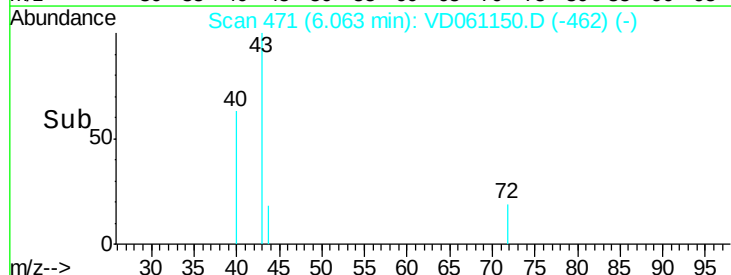
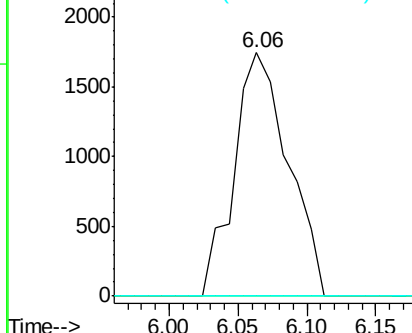


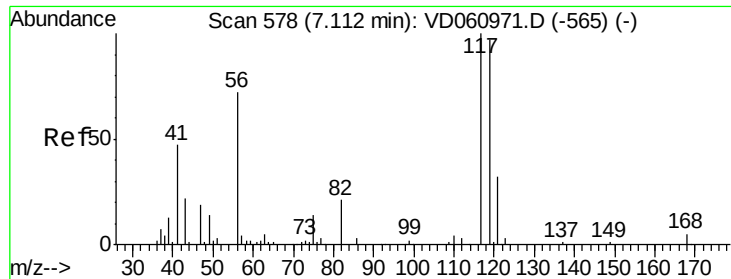
#37
 Ethyl Acetate
 Concen: 1.760 ug/l
 RT: 6.06 min Scan# 471
 Delta R.T. -0.11 min
 Lab File: VD061150.D
 Acq: 18 Mar 2019 17:28

Tgt 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

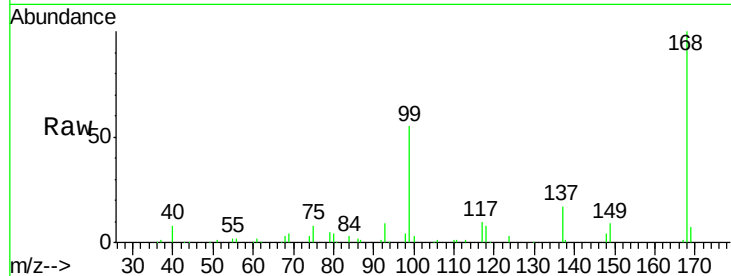




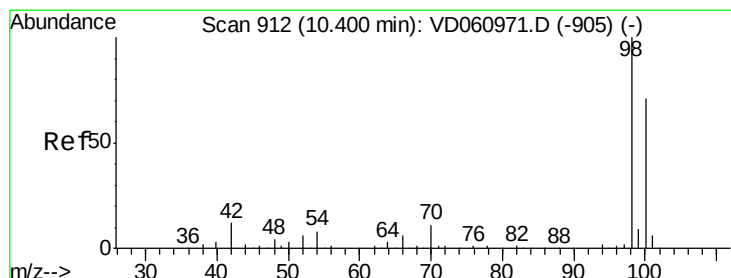
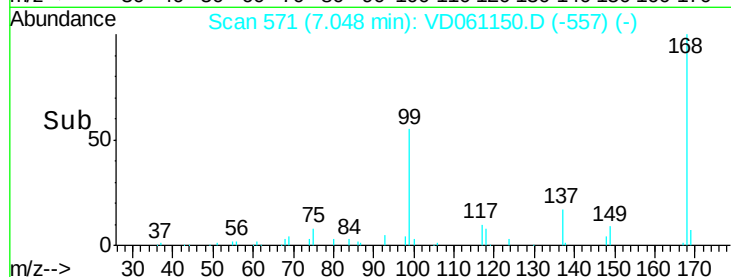
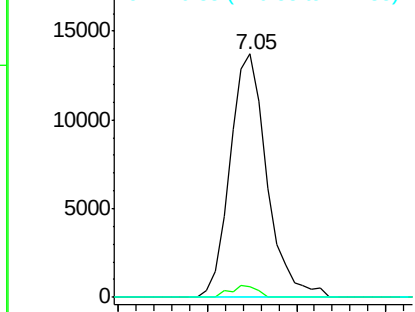
#38
Carbon Tetrachloride
Concen: 6.213 ug/l
RT: 7.05 min Scan# 571
Delta R.T. -0.06 min
Lab File: VD061150.D
Acq: 18 Mar 2019 17:28

Instrument :
MSVOA_D
ClientSampled :

Tot Ion:117 Resp: 39592
Ion Ratio Lower Upper
117 100
119 4.5 77.8 116.8#
121 0.0 25.3 37.9#

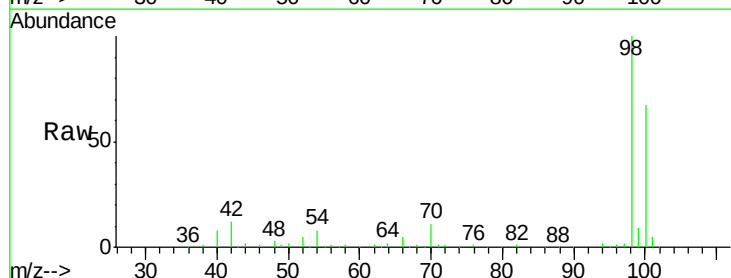


Abundance Ion 116.85 (116.55 to 117.55): V
Ion 118.85 (118.55 to 119.55): V
Ion 120.85 (120.55 to 121.55): V

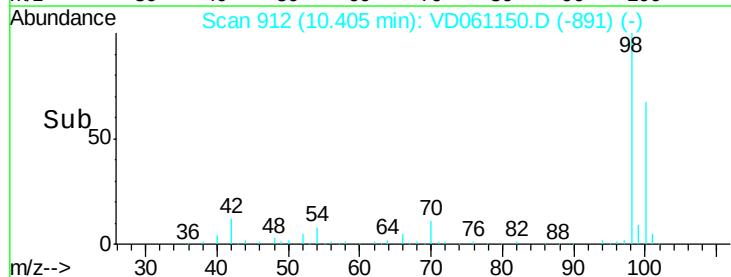
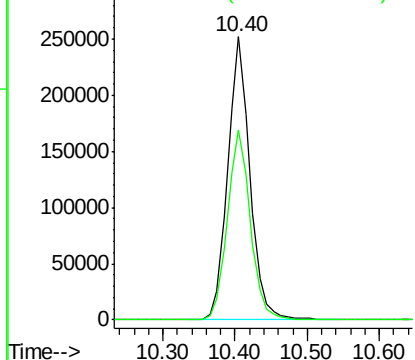


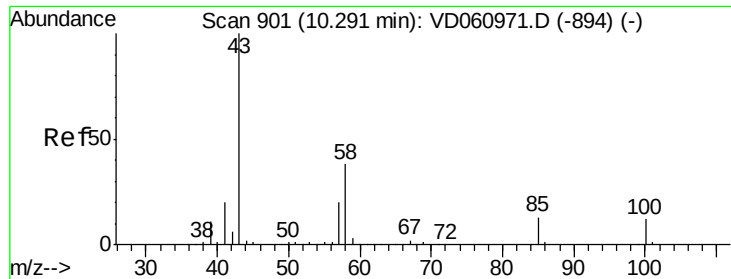
#50
Toluene-d8
Concen: N.D. ug/l
RT: 10.40 min Scan# 912
Delta R.T. 0.00 min
Lab File: VD061150.D
Acq: 18 Mar 2019 17:28

Tgt Ion: 98 Resp: 538058
Ion Ratio Lower Upper
98 100
100 67.2 57.4 86.2



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





#51

4-Methyl-2-Pentanone

Concen: 1.262 ug/l

RT: 10.40 min Scan# 912

Delta R.T. 0.11 min

Lab File: VD061150.D

Acq: 18 Mar 2019 17:28

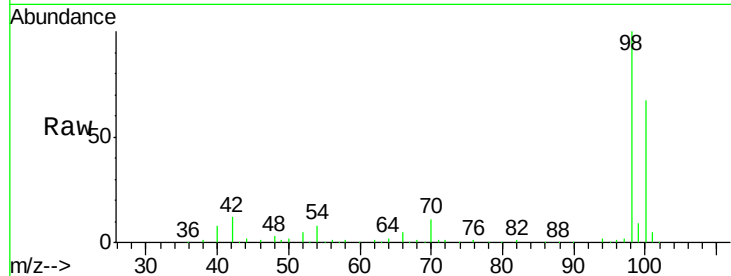
Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 43 Resp: 2906

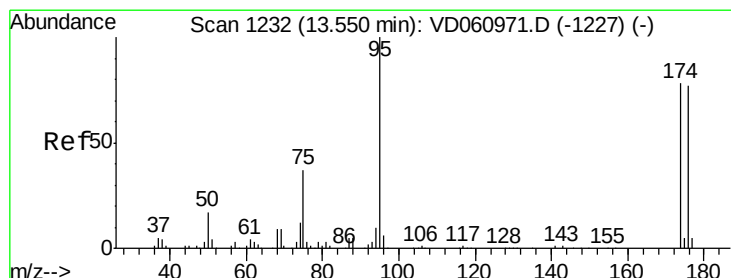
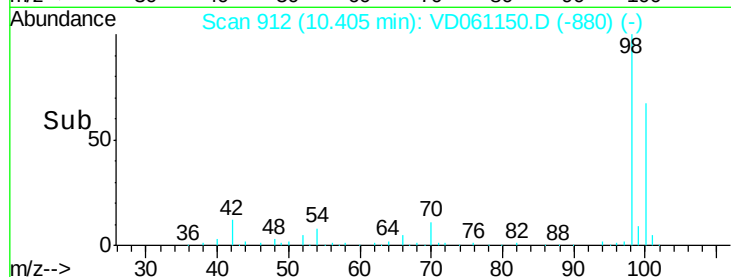
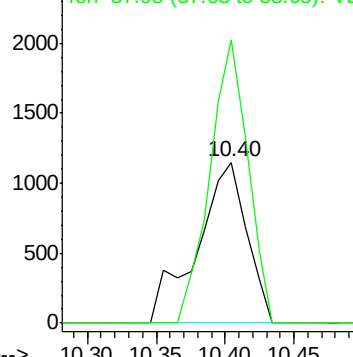
Ion Ratio Lower Upper

43 100

58 175.9 30.2 45.2#



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: 13.55 min Scan# 1231

Delta R.T. -0.00 min

Lab File: VD061150.D

Acq: 18 Mar 2019 17:28

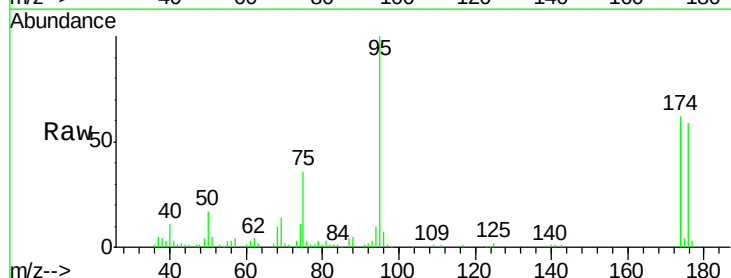
Tgt Ion: 95 Resp: 150253

Ion Ratio Lower Upper

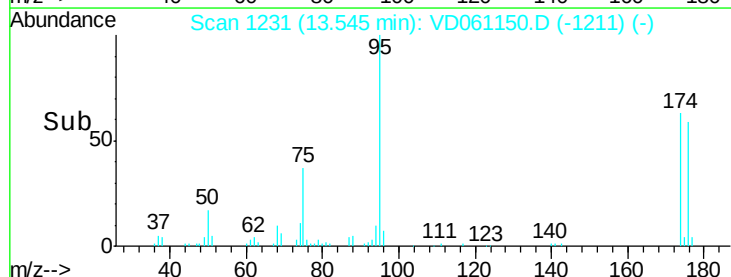
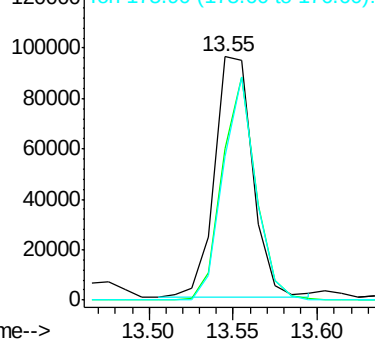
95 100

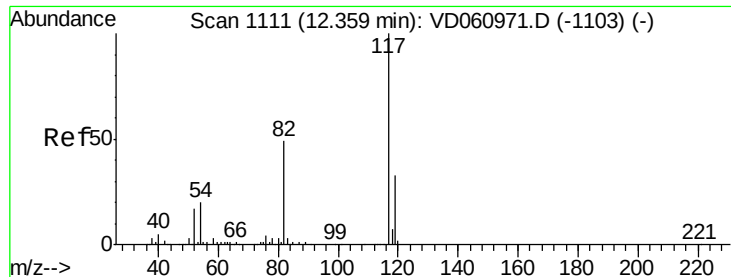
174 62.3 0.0 155.6

176 59.2 0.0 153.8



Abundance Ion 95.00 (94.70 to 95.70): VDC
Ion 173.90 (173.60 to 174.60): V
Ion 175.90 (175.60 to 176.60): V

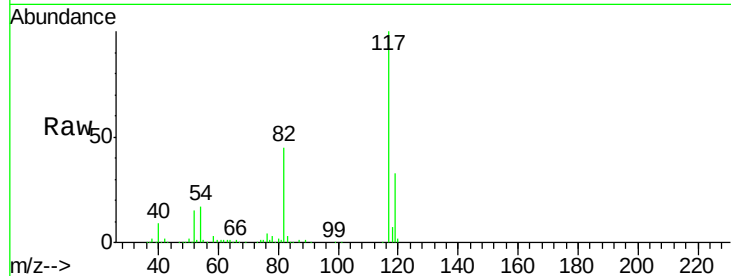




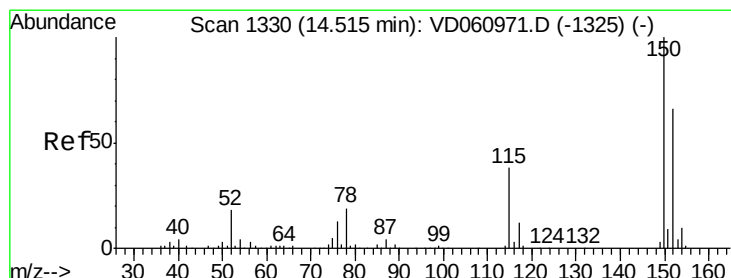
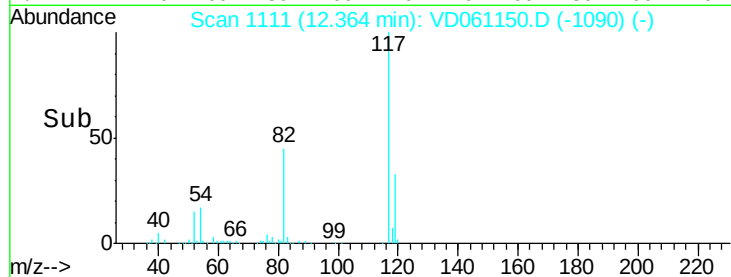
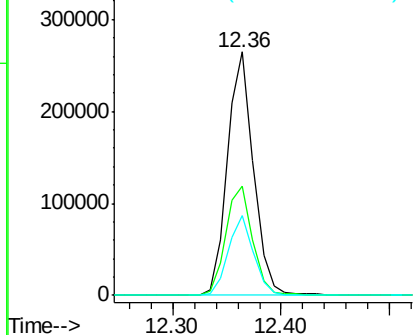
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 12.36 min Scan# 1111
Delta R.T. 0.00 min
Lab File: VD061150.D
Acq: 18 Mar 2019 17:28

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion:117 Resp: 442770
Ion Ratio Lower Upper
117 100
82 44.7 38.9 58.3
119 32.9 26.6 39.8

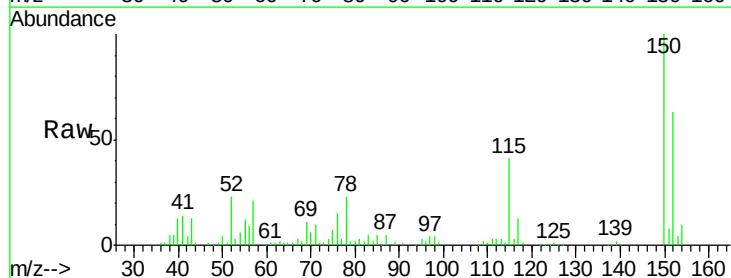


Abundance Ion 116.95 (116.65 to 117.65): V
Ion 82.05 (81.75 to 82.75): V
Ion 118.95 (118.65 to 119.65): V

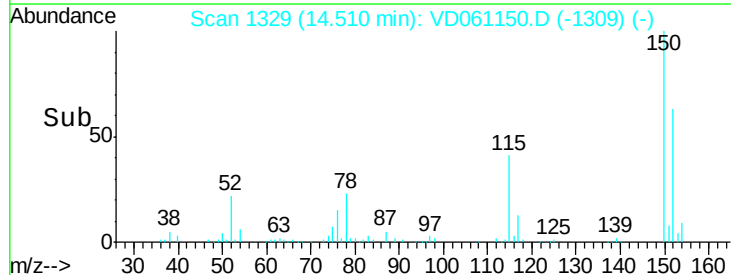
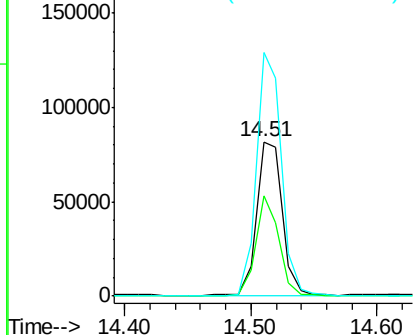


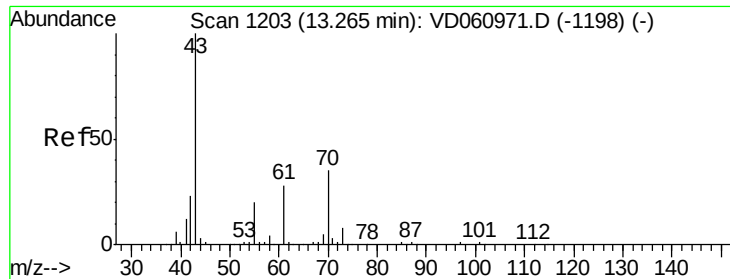
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 14.51 min Scan# 1329
Delta R.T. -0.00 min
Lab File: VD061150.D
Acq: 18 Mar 2019 17:28

Tgt Ion:152 Resp: 119152
Ion Ratio Lower Upper
152 100
115 65.3 28.6 85.9
150 157.5 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





#74

N-amvl acetate

Concen: 9.413 ug/l

RT: 13.21 min Scan# 1197

Delta R.T. -0.05 min

Lab File: VD061150.D

Acq: 18 Mar 2019 17:28

Instrument :

MSVOA_D

ClientSampleId :

Tot Ion: 43 Resp: 22759

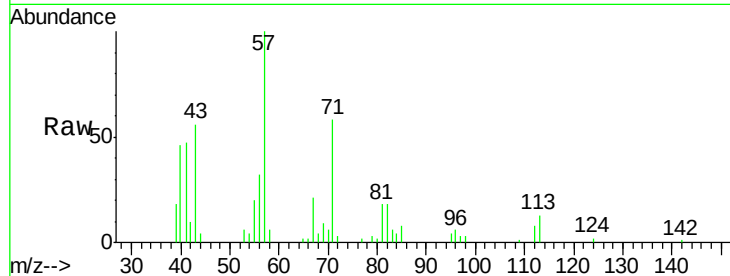
Ion Ratio Lower Upper

43 100

70 11.5 27.7 41.5#

55 36.4 16.2 24.2#

61 0.0 22.3 33.5#

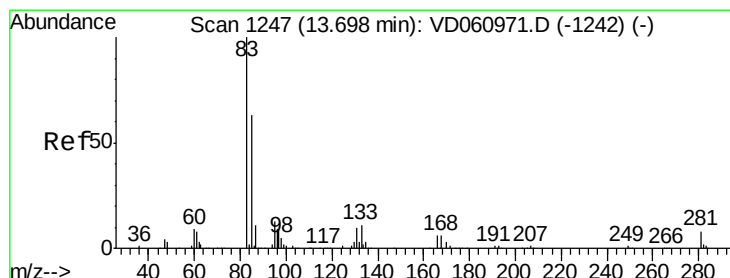
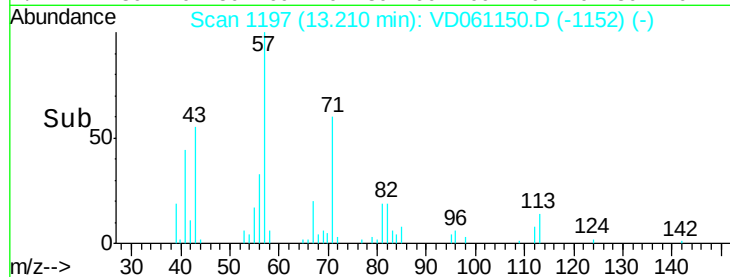
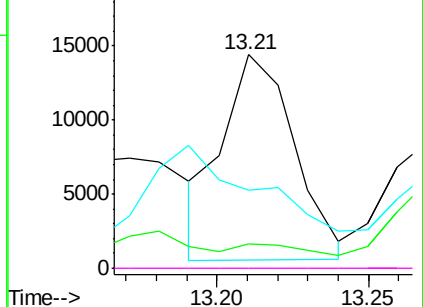


Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 70.00 (69.70 to 70.70): VDC

Ion 55.00 (54.70 to 55.70): VDC

Ion 60.95 (60.65 to 61.65): VDC



#75

1,1,2,2-Tetrachloroethane

Concen: 9.088 ug/l

RT: 13.70 min Scan# 1247

Delta R.T. 0.00 min

Lab File: VD061150.D

Acq: 18 Mar 2019 17:28

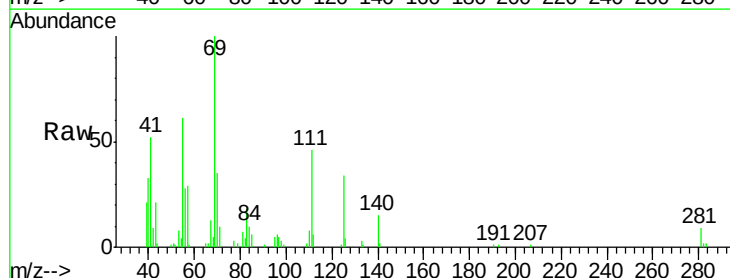
Tgt Ion: 83 Resp: 15226

Ion Ratio Lower Upper

83 100

131 0.0 5.1 15.3#

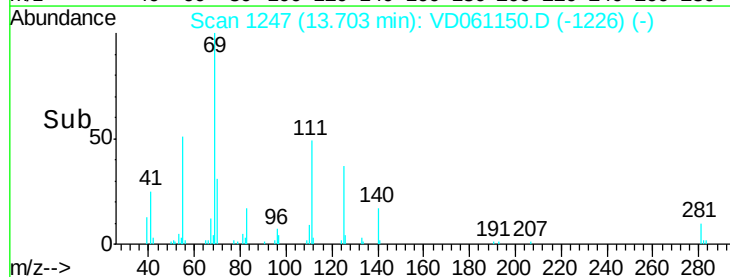
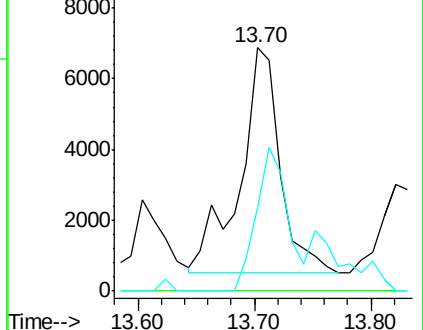
85 34.6 31.5 94.5

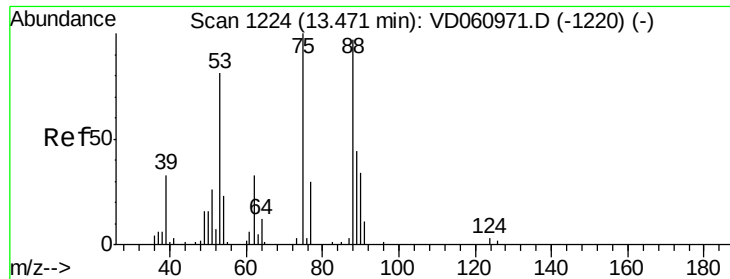


Abundance Ion 82.95 (82.65 to 83.65): VDC

Ion 130.90 (130.60 to 131.60): VDC

Ion 84.95 (84.65 to 85.65): VDC





#81

trans-1,4-Dichloro-2-butene

Concen: 108.026 ug/l

RT: 13.55 min Scan# 1231

Delta R.T. 0.07 min

Lab File: VD061150.D

Acq: 18 Mar 2019 17:28

Instrument :

MSVOA_D

ClientSampled :

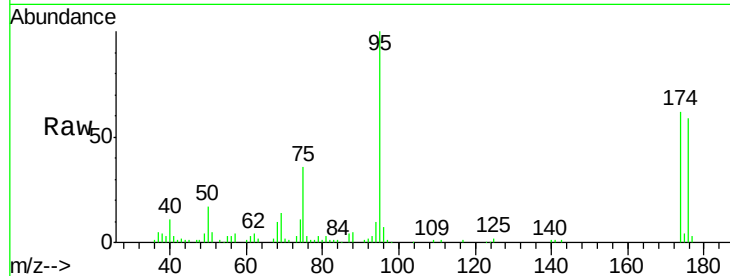
Tot Ion: 75 Resp: 54595

Ion Ratio Lower Upper

75 100

53 1.9 64.4 96.6#

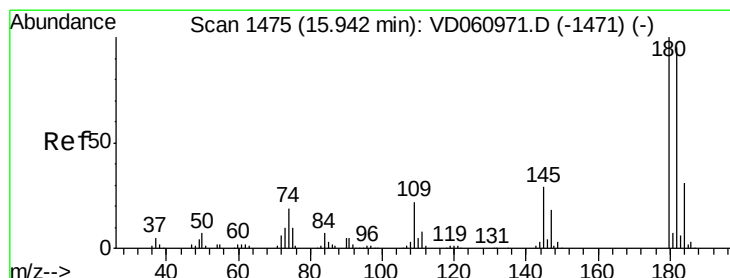
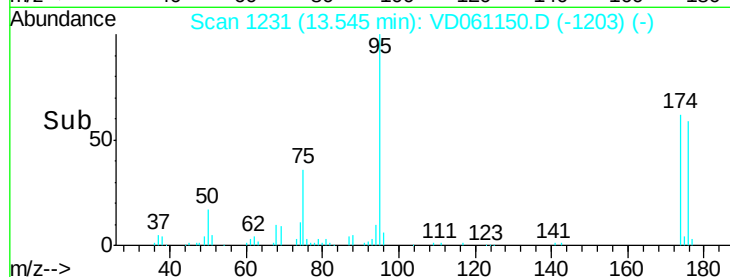
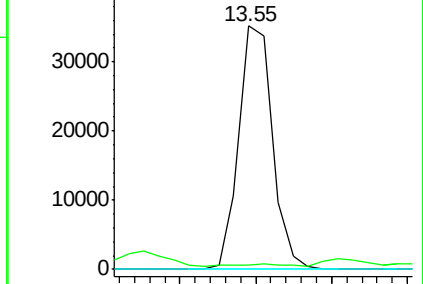
89 0.0 34.8 52.2#



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



#93

1,2,4-Trichlorobenzene

Concen: 1.233 ug/l

RT: 15.95 min Scan# 1475

Delta R.T. 0.01 min

Lab File: VD061150.D

Acq: 18 Mar 2019 17:28

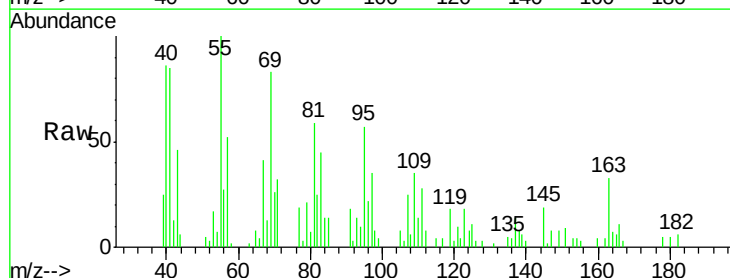
Tgt Ion: 180 Resp: 1866

Ion Ratio Lower Upper

180 100

182 124.7 47.3 142.0

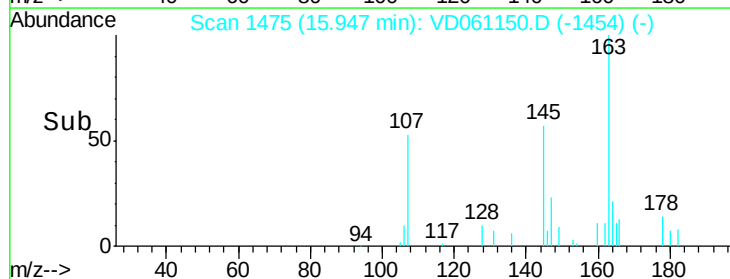
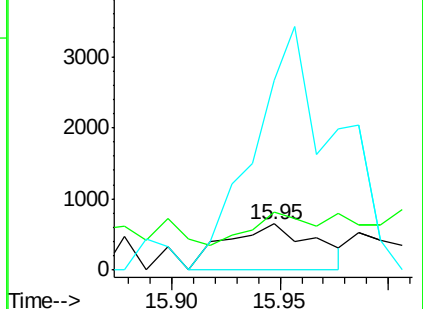
145 410.6 14.4 43.0#

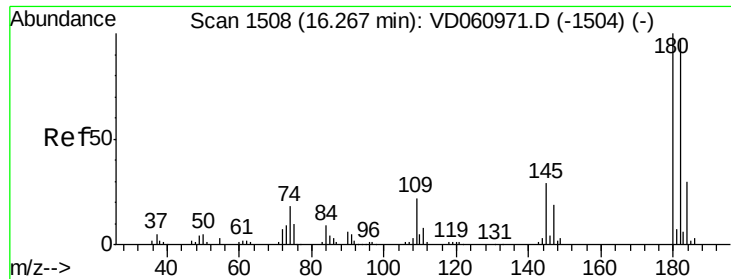


Abundance Ion 179.85 (179.55 to 180.55): V

Ion 181.85 (181.55 to 182.55): V

Ion 144.95 (144.65 to 145.65): V





#96
 1,2,3-Trichlorobenzene
 Concen: 1.114 ug/l
 RT: 16.25 min Scan# 1506
 Delta R.T. -0.01 min
 Lab File: VD061150.D
 Acq: 18 Mar 2019 17:28

Instrument :
 MSVOA_D
 ClientSampleId :

Tot Ion:180 Resp: 833
 Ion Ratio Lower Upper
 180 100
 182 0.0 48.6 145.8#
 145 186.4 14.3 42.9#

