

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD031819\
 Data File : VD061145.D
 Acq On : 18 Mar 2019 15:09
 Operator : VA/AP
 Sample : K1691-11RE
 Misc : 5.94g/5ml/MSVOA D/SOIL
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Mar 19 02:16:24 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	580965	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.22	114	1010214	50.00	ug/l	0.00
63) Chlorobenzene-d5	12.36	117	772718	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	14.51	152	303243	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	304483	62.96	ug/l	0.00
Spiked Amount			Recovery	=	125.92%	
35) Dibromofluoromethane	6.92	113	467901	62.41	ug/l	0.00
Spiked Amount			Recovery	=	124.82%	
50) Toluene-d8	10.40	98	1005934	53.43	ug/l	0.00
Spiked Amount			Recovery	=	106.86%	
62) 4-Bromofluorobenzene	13.54	95	351366	48.10	ug/l	0.00
Spiked Amount			Recovery	=	96.20%	

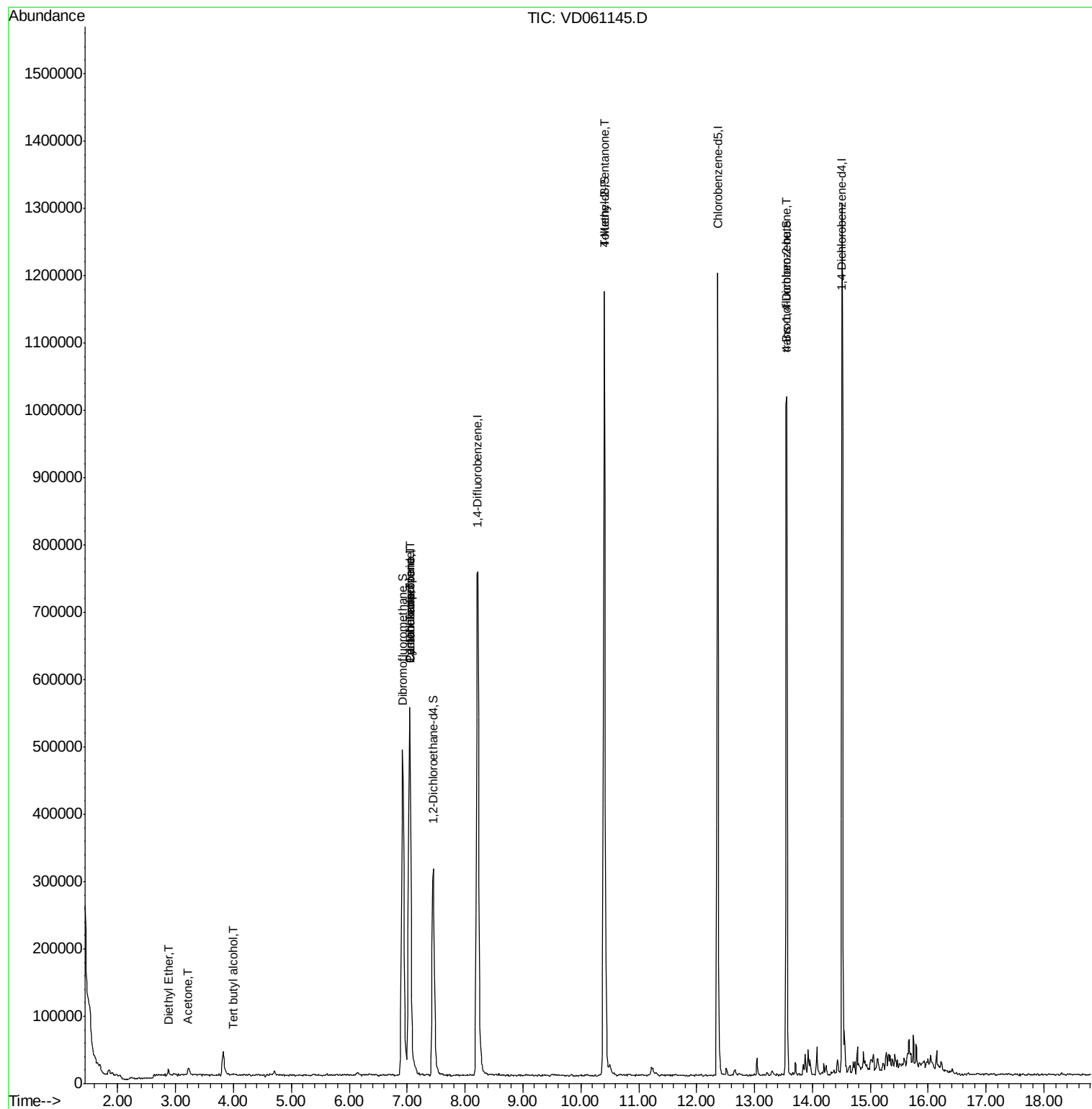
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
8) Diethyl Ether	2.87	74	3718	1.771	ug/l	64
11) Tert butyl alcohol	4.01	59	419	1.361	ug/l #	75
16) Acetone	3.22	43	21369	15.453	ug/l	98
20) Methylene Chloride	3.82	84	25336	Below Cal		96
31) Cyclohexane	7.04	56	9995	1.168	ug/l #	1
36) 1,1-Dichloropropene	7.05	75	42839	4.920	ug/l #	46
38) Carbon Tetrachloride	7.05	117	55025	5.737	ug/l #	15
51) 4-Methyl-2-Pentanone	10.40	43	3740	1.079	ug/l #	1
81) trans-1,4-Dichloro-2-buten	13.54	75	128750	100.100	ug/l #	17

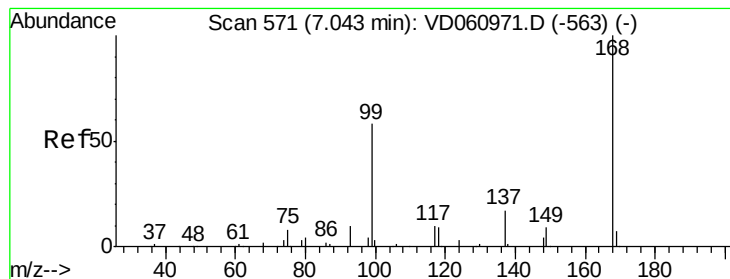
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_D\METHOD\82D030719S.M
Quant Title : SW846 8260
QLast Update : Fri Mar 08 02:35:39 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.05 min Scan# 571

Delta R.T. 0.00 min

Lab File: VD061145.D

Acq: 18 Mar 2019 15:09

Instrument :

MSVOA_D

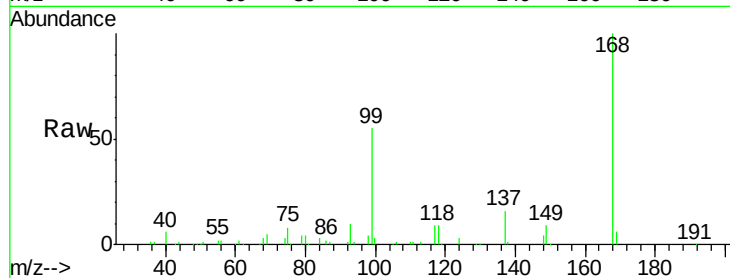
ClientSampleId :

Tot Ion:168 Resp: 580965

Ion Ratio Lower Upper

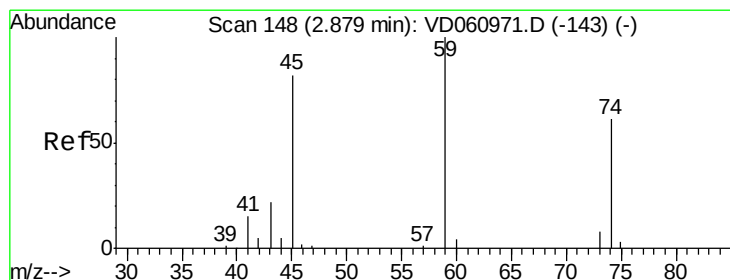
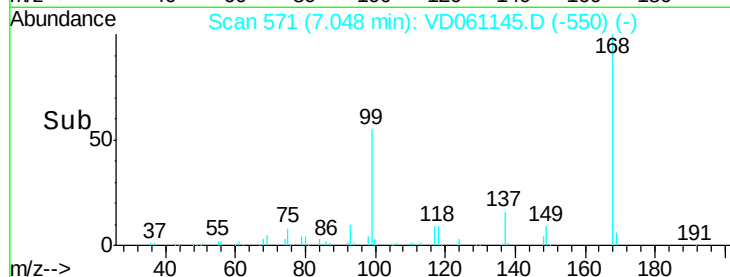
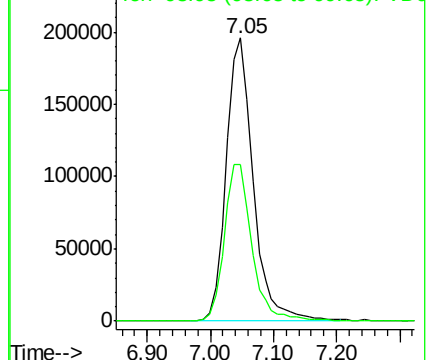
168 100

99 55.4 47.3 70.9



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC



#8

Diethyl Ether

Concen: 1.771 ug/l

RT: 2.87 min Scan# 147

Delta R.T. -0.01 min

Lab File: VD061145.D

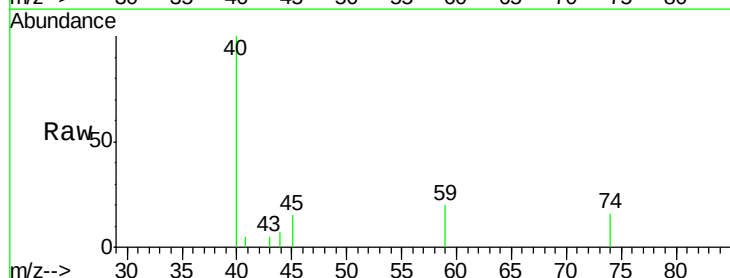
Acq: 18 Mar 2019 15:09

Tgt Ion: 74 Resp: 3718

Ion Ratio Lower Upper

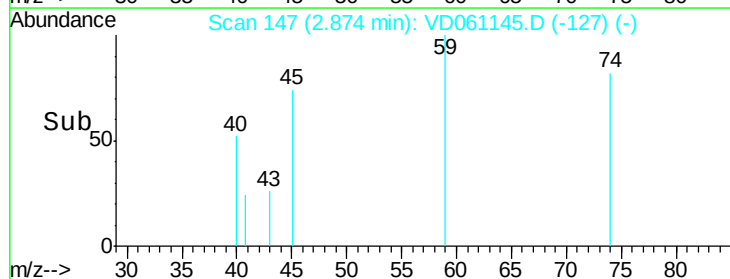
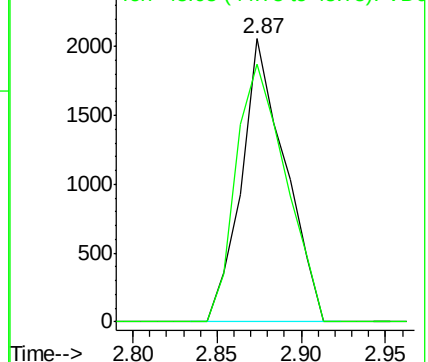
74 100

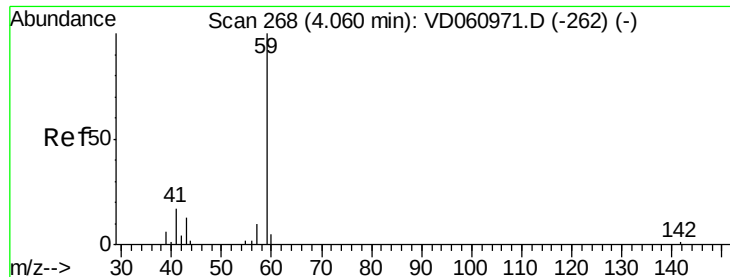
45 91.1 67.0 201.1



Abundance Ion 74.00 (73.70 to 74.70): VDC

Ion 45.05 (44.75 to 45.75): VDC





#11

Tert butyl alcohol

Concen: 1.361 ug/l

RT: 4.01 min Scan# 262

Delta R.T. -0.05 min

Lab File: VD061145.D

Acq: 18 Mar 2019 15:09

Instrument :

MSVOA_D

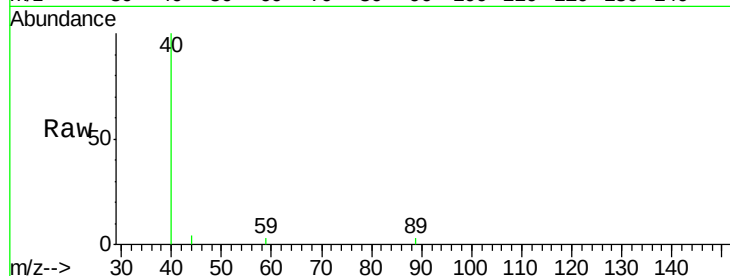
ClientSampleId :

Tot Ion: 59 Resp: 419

Ion Ratio Lower Upper

59 100

57 0.0 7.1 10.7#



Abundance Ion 58.95 (58.65 to 59.65): VDC

Ion 56.95 (56.65 to 57.65): VDC

4.01

300

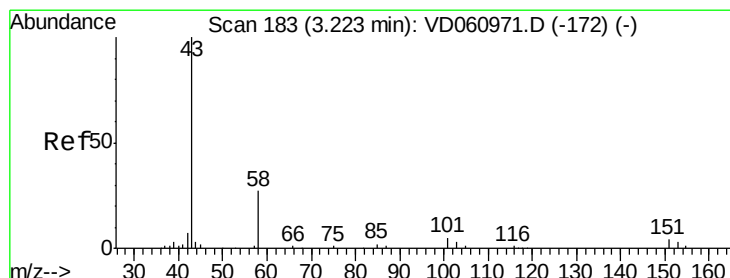
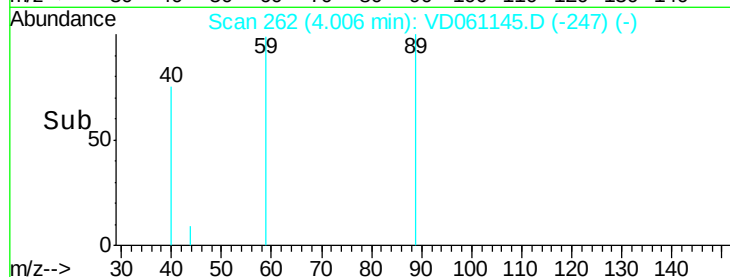
200

100

0

3.98 4.00 4.02 4.04 4.06

Time-->



#16

Acetone

Concen: 15.453 ug/l

RT: 3.22 min Scan# 182

Delta R.T. -0.01 min

Lab File: VD061145.D

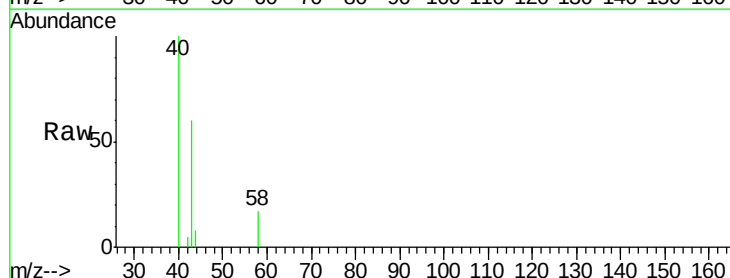
Acq: 18 Mar 2019 15:09

Tgt Ion: 43 Resp: 21369

Ion Ratio Lower Upper

43 100

58 27.8 21.6 32.4



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC

3.22

8000

6000

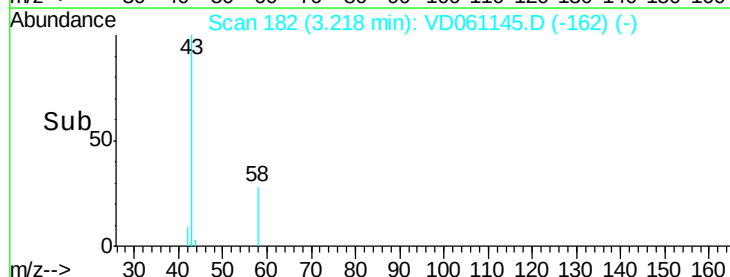
4000

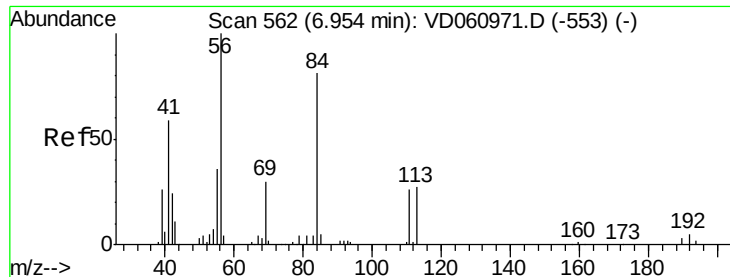
2000

0

3.10 3.20 3.30

Time-->

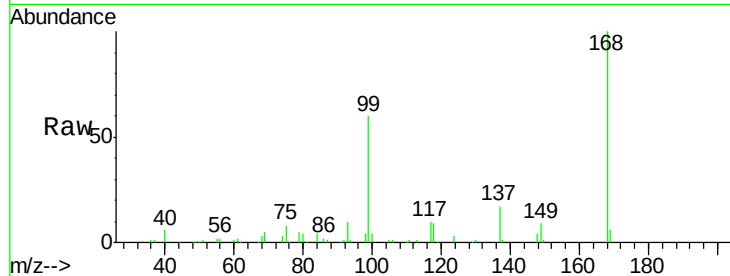




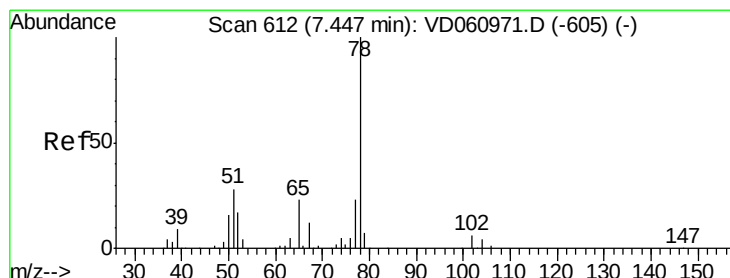
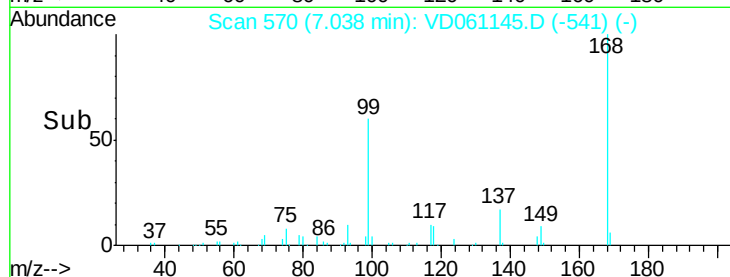
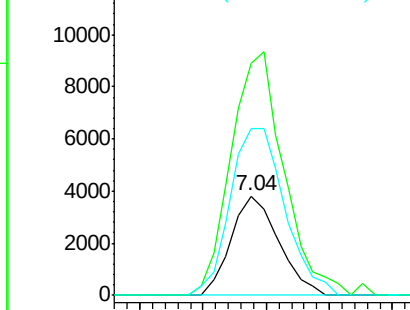
#31
Cyclohexane
Concen: 1.168 ug/l
RT: 7.04 min Scan# 570
Delta R.T. 0.08 min
Lab File: VD061145.D
Acq: 18 Mar 2019 15:09

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 56 Resp: 9995
Ion Ratio Lower Upper
56 100
69 234.0 24.0 36.0#
84 168.8 65.8 98.6#

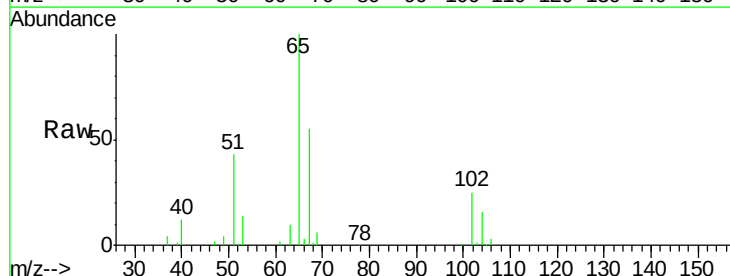


Abundance Ion 55.95 (55.65 to 56.65): VDC
Ion 69.00 (68.70 to 69.70): VDC
Ion 84.05 (83.75 to 84.75): VDC

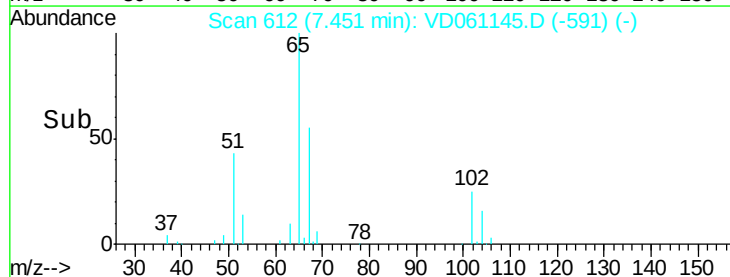
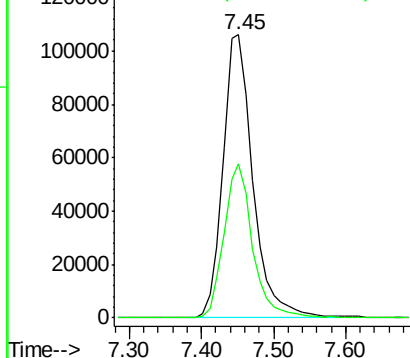


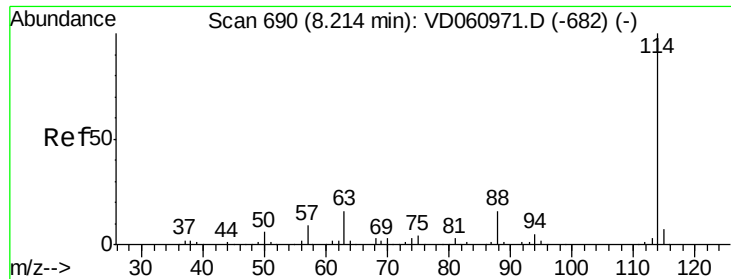
#33
1,2-Dichloroethane-d4
Concen: N.D. ug/l
RT: 7.45 min Scan# 612
Delta R.T. 0.00 min
Lab File: VD061145.D
Acq: 18 Mar 2019 15:09

Tgt Ion: 65 Resp: 304483
Ion Ratio Lower Upper
65 100
67 54.6 0.0 105.2



Abundance Ion 64.95 (64.65 to 65.65): VDC
Ion 66.90 (66.60 to 67.60): VDC

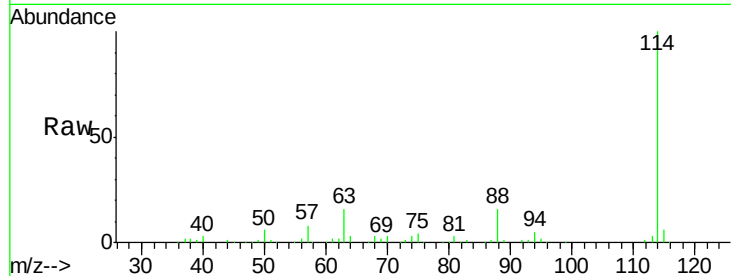




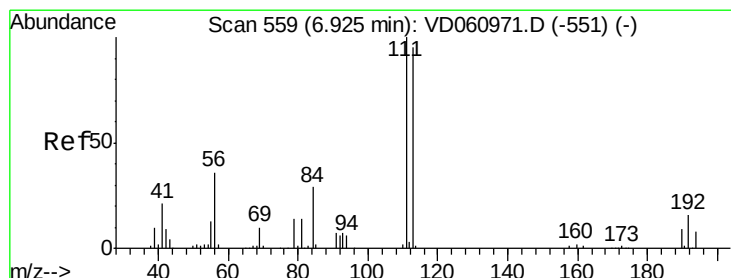
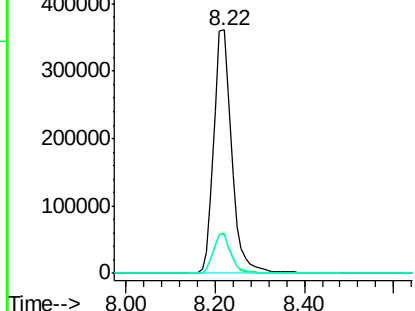
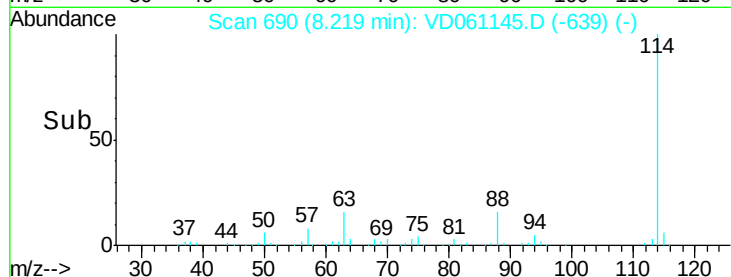
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.22 min Scan# 690
 Delta R.T. 0.00 min
 Lab File: VD061145.D
 Acq: 18 Mar 2019 15:09

Instrument :
 MSVOA_D
 ClientSampleId :

Tot Ion:114 Resp: 1010214
 Ion Ratio Lower Upper
 114 100
 63 16.3 0.0 31.4
 88 15.7 0.0 33.0

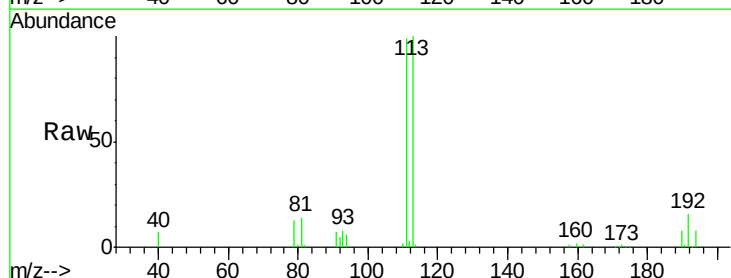


Abundance Ion 114.00 (113.70 to 114.70): V
 Ion 62.95 (62.65 to 63.65): V
 Ion 87.90 (87.60 to 88.60): V

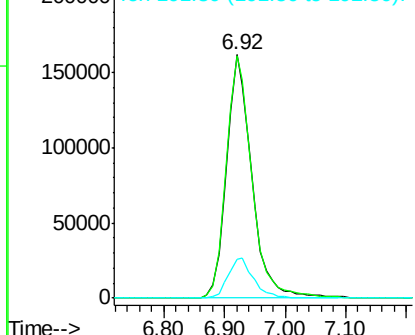
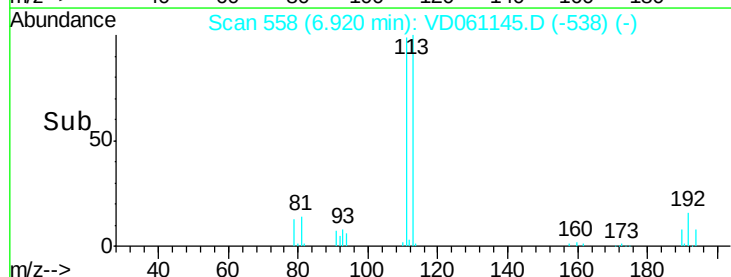


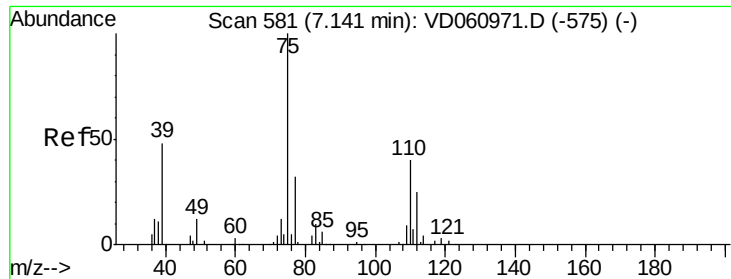
#35
 Dibromofluoromethane
 Concen: 50.000 ug/l
 RT: 6.92 min Scan# 558
 Delta R.T. -0.01 min
 Lab File: VD061145.D
 Acq: 18 Mar 2019 15:09

Tgt Ion:113 Resp: 467901
 Ion Ratio Lower Upper
 113 100
 111 99.4 84.2 126.4
 192 16.1 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

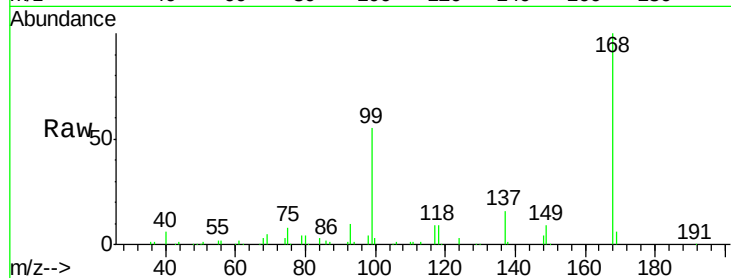




#36
 1,1-Dichloropropene
 Concen: 4.920 ug/l
 RT: 7.05 min Scan# 571
 Delta R.T. -0.09 min
 Lab File: VD061145.D
 Acq: 18 Mar 2019 15:09

Instrument :
 MSVOA_D
 ClientSampleId :

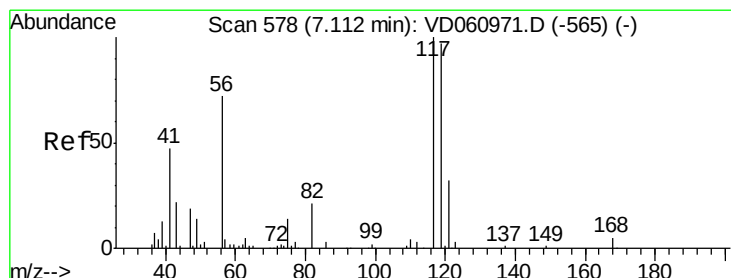
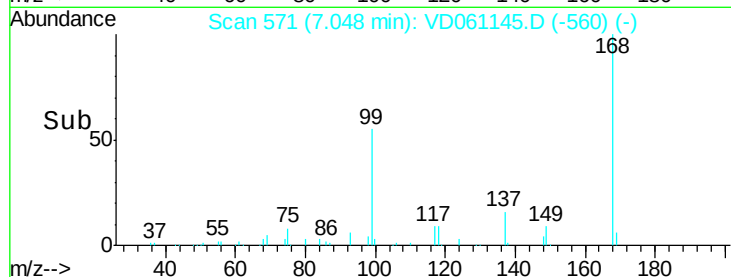
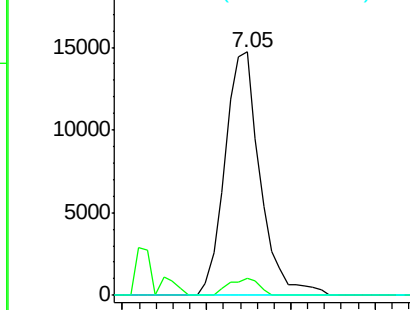
Tot Ion	75	Resp	42839
Ion Ratio	Lower	Upper	
75	100		
110	7.2	19.7	59.1#
77	0.0	24.7	37.1#



Abundance Ion 75.00 (74.70 to 75.70): V

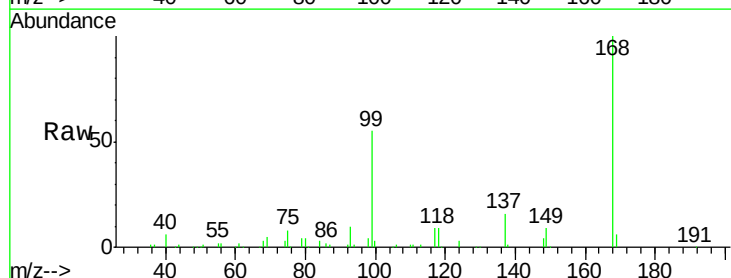
Ion 109.90 (109.60 to 110.60): V

Ion 76.95 (76.65 to 77.65): V



#38
 Carbon Tetrachloride
 Concen: 5.737 ug/l
 RT: 7.05 min Scan# 571
 Delta R.T. -0.06 min
 Lab File: VD061145.D
 Acq: 18 Mar 2019 15:09

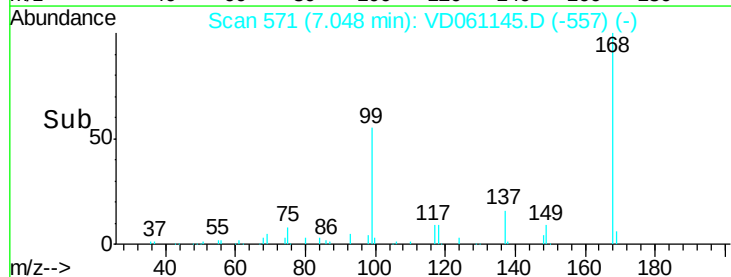
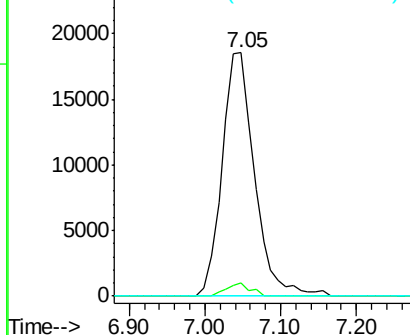
Tgt Ion	117	Resp	55025
Ion Ratio	Lower	Upper	
117	100		
119	5.2	77.8	116.8#
121	0.0	25.3	37.9#

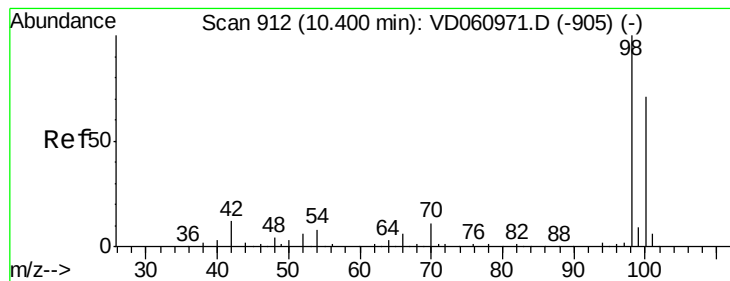


Abundance Ion 116.85 (116.55 to 117.55): V

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: VD061145.D

Acq: 18 Mar 2019 15:09

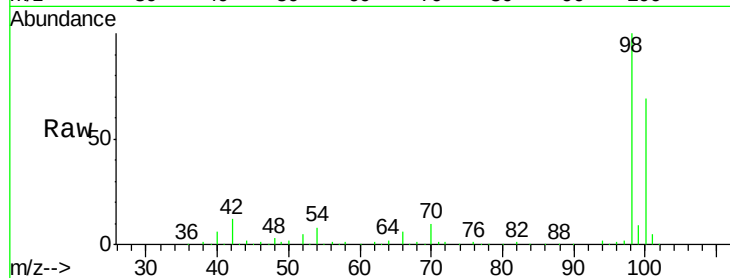
Instrument :
MSVOA_D
ClientSampled :

Tot Ion: 98 Resp: 1005934

Ion Ratio Lower Upper

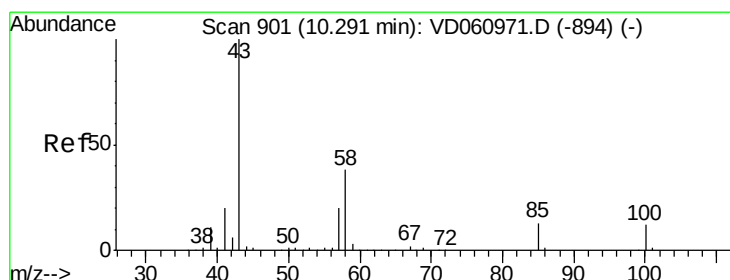
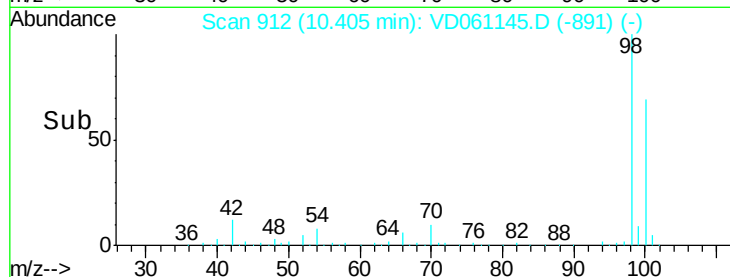
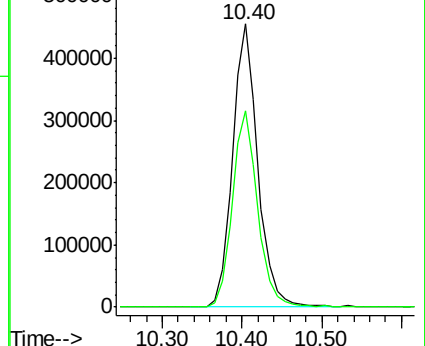
98 100

100 69.2 57.4 86.2



Abundance Ion 98.05 (97.75 to 98.75): VD061145.D (-891) (-)

Ion 100.05 (99.75 to 100.75): VD061145.D (-891) (-)



#51

4-Methyl-2-Pentanone

Concen: 1.079 ug/l

RT: 10.40 min Scan# 912

Delta R.T. 0.11 min

Lab File: VD061145.D

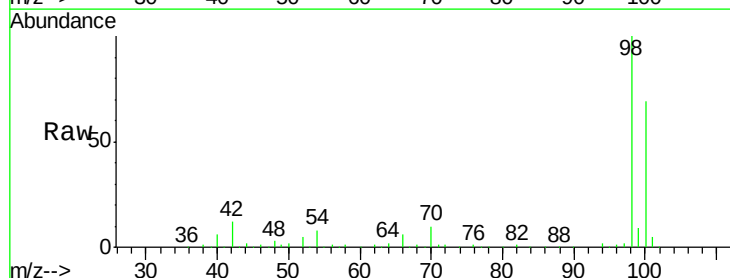
Acq: 18 Mar 2019 15:09

Tgt Ion: 43 Resp: 3740

Ion Ratio Lower Upper

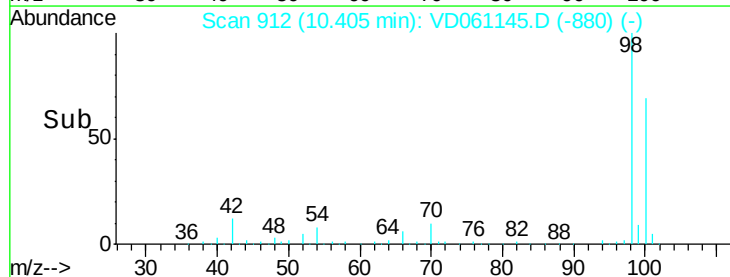
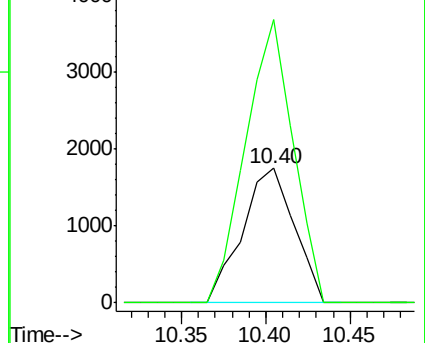
43 100

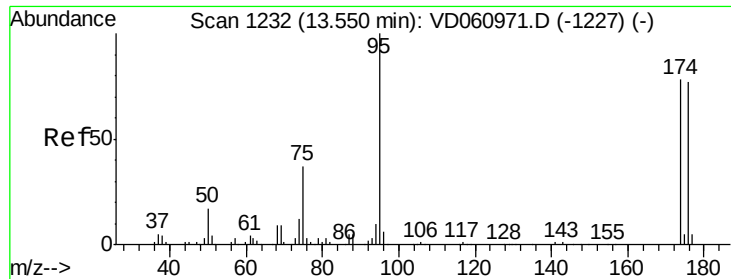
58 210.3 30.2 45.2#



Abundance Ion 42.95 (42.65 to 43.65): VD061145.D (-880) (-)

Ion 57.95 (57.65 to 58.65): VD061145.D (-880) (-)





#62

4-Bromofluorobenzene

Concen: N.D. ug/l

RT: 13.54 min Scan# 1231

Delta R.T. -0.01 min

Lab File: VD061145.D

Acq: 18 Mar 2019 15:09

Instrument :

MSVOA_D

ClientSampleId :

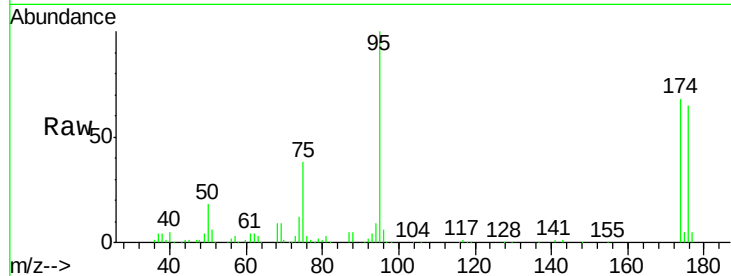
Tot Ion: 95 Resp: 351366

Ion Ratio Lower Upper

95 100

174 68.3 0.0 155.6

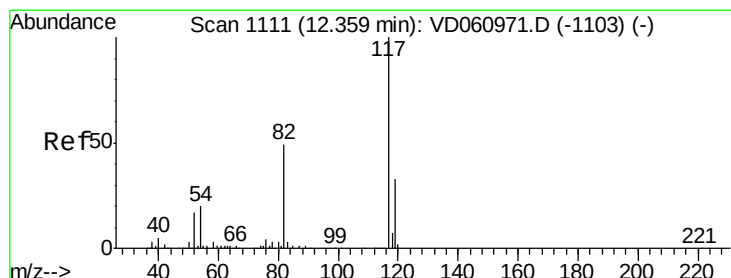
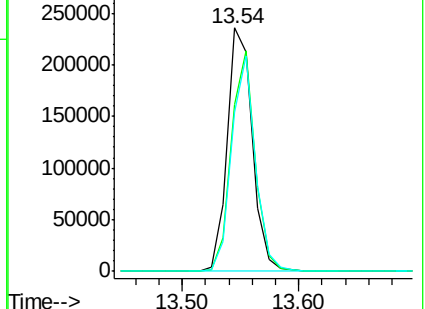
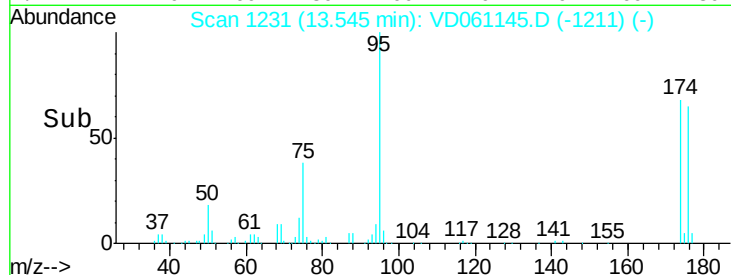
176 65.4 0.0 153.8



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: 12.36 min Scan# 1111

Delta R.T. 0.00 min

Lab File: VD061145.D

Acq: 18 Mar 2019 15:09

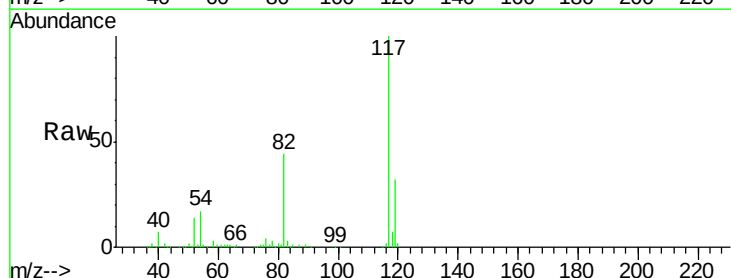
Tgt Ion: 117 Resp: 772718

Ion Ratio Lower Upper

117 100

82 43.7 38.9 58.3

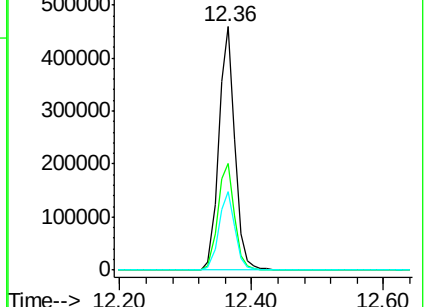
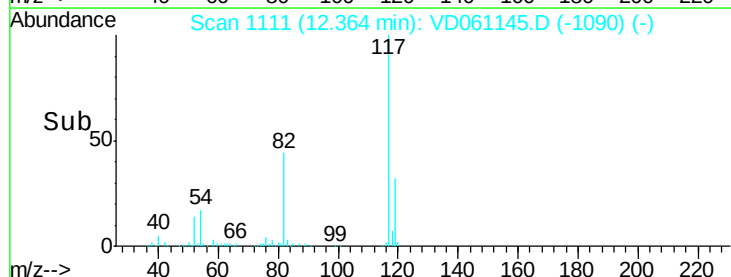
119 32.4 26.6 39.8

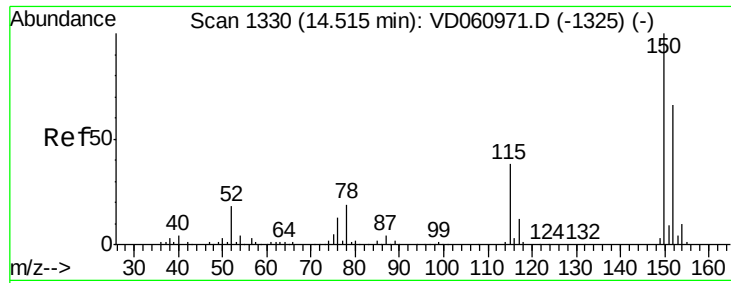


Abundance Ion 116.95 (116.65 to 117.65): V

Ion 82.05 (81.75 to 82.75): V

Ion 118.95 (118.65 to 119.65): V



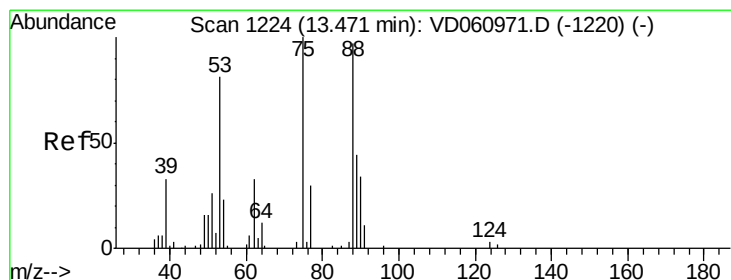
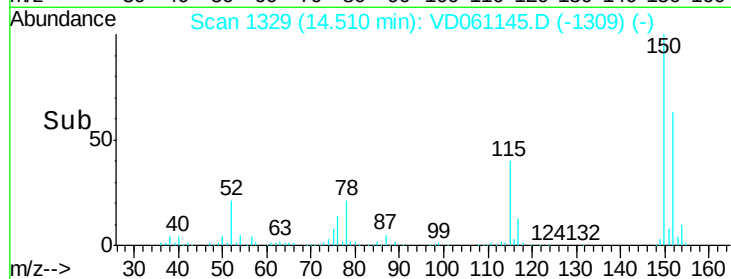
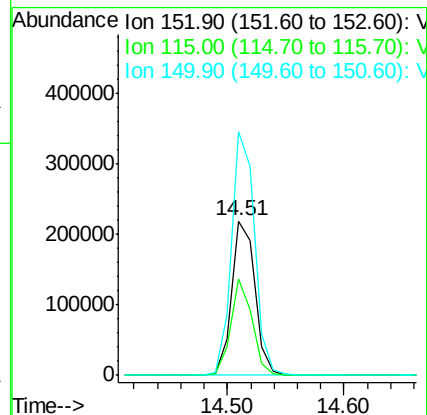
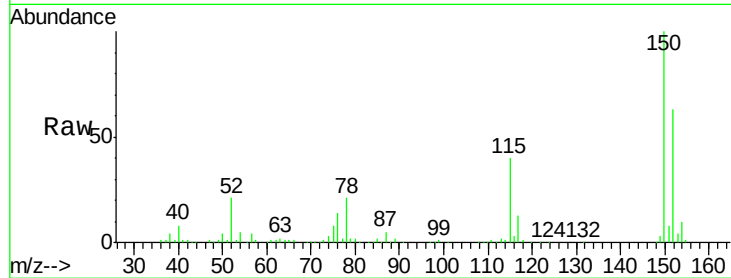


#72

1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 14.51 min Scan# 1329
Delta R.T. -0.01 min
Lab File: VD061145.D
Acq: 18 Mar 2019 15:09

Instrument :
MSVOA_D
ClientSampled :

Tot Ion:152 Resp: 303243
Ion Ratio Lower Upper
152 100
115 62.9 28.6 85.9
150 157.9 0.0 310.6



#81

trans-1,4-Dichloro-2-butene
Concen: 100.100 ug/l
RT: 13.54 min Scan# 1231
Delta R.T. 0.07 min
Lab File: VD061145.D
Acq: 18 Mar 2019 15:09

Tgt Ion: 75 Resp: 128750
Ion Ratio Lower Upper
75 100
53 0.0 64.4 96.6#
89 0.0 34.8 52.2#

