

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD042519\
 Data File : VD062051.D
 Acq On : 25 Apr 2019 21:20
 Operator : VA/AP
 Sample : K2571-01
 Misc : 6.38g/5ml/MSVOA D/SOIL
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Apr 26 01:45:24 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	201700	50.00	ug/l	-0.01
34) 1,4-Difluorobenzene	8.21	114	322741	50.00	ug/l	-0.01
63) Chlorobenzene-d5	12.36	117	274465	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	14.52	152	115614	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	7.44	65	140570	89.05	ug/l	-0.01
Spiked Amount 50.000			Recovery	=	178.10%	
35) Dibromofluoromethane	6.92	113	158900	71.19	ug/l	-0.01
Spiked Amount 50.000			Recovery	=	142.38%	
50) Toluene-d8	10.40	98	308808	58.14	ug/l	-0.01
Spiked Amount 50.000			Recovery	=	116.28%	
62) 4-Bromofluorobenzene	13.55	95	116220	54.56	ug/l	0.00
Spiked Amount 50.000			Recovery	=	109.12%	

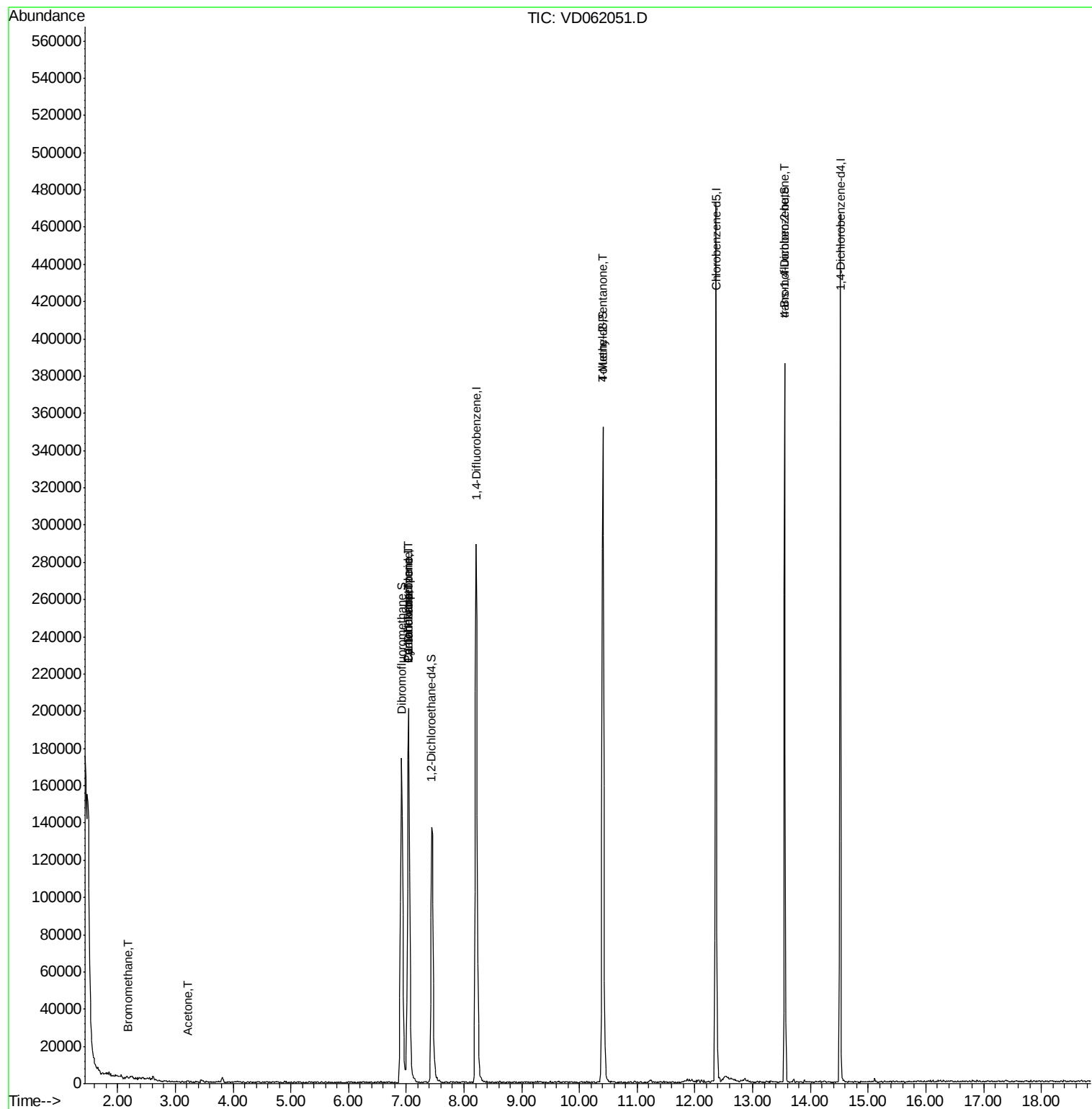
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	2.18	94	873	1.549	ug/l #	12
16) Acetone	3.23	43	1336	3.544	ug/l #	50
20) Methylene Chloride	3.81	84	1844	Below Cal	#	68
31) Cyclohexane	7.03	56	3142	1.336	ug/l #	1
36) 1,1-Dichloropropene	7.04	75	14964	5.951	ug/l #	48
38) Carbon Tetrachloride	7.04	117	19029	5.972	ug/l #	12
51) 4-Methyl-2-Pentanone	10.40	43	1347	1.407	ug/l #	1
81) trans-1,4-Dichloro-2-buten	13.55	75	45801	102.947	ug/l #	16

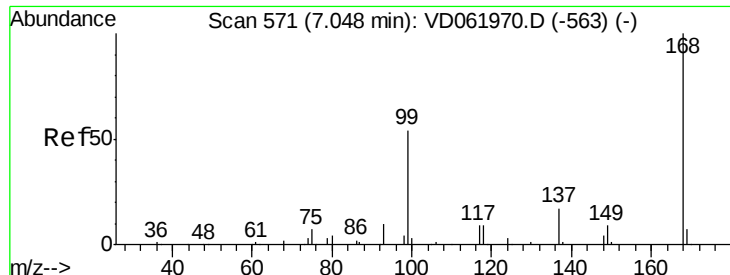
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD042519\
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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_D\METHOD\82D042319S.M
Quant Title : SW846 8260
QLast Update : Tue Apr 23 14:52:55 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.04 min Scan# 570

Delta R.T. -0.01 min

Lab File: VD062051.D

Acq: 25 Apr 2019 21:20

Instrument :

MSVOA_D

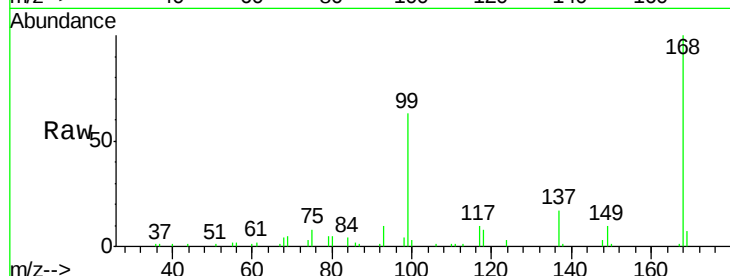
ClientSampleId :

Tot Ion:168 Resp: 201700

Ion Ratio Lower Upper

168 100

99 62.9 46.5 69.7



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC

7.04

60000

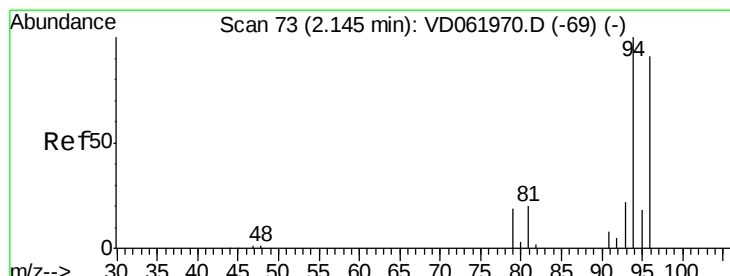
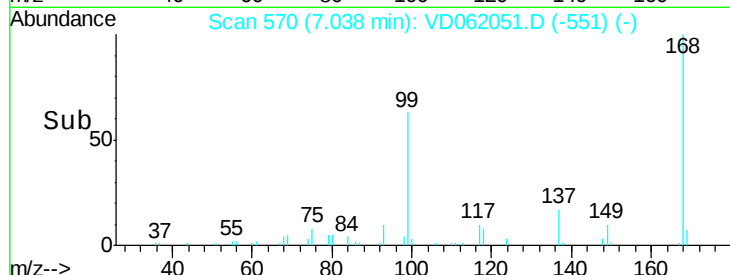
40000

20000

0

Time-->

6.90 7.00 7.10 7.20



#5

Bromomethane

Concen: 1.549 ug/l

RT: 2.18 min Scan# 77

Delta R.T. 0.03 min

Lab File: VD062051.D

Acq: 25 Apr 2019 21:20

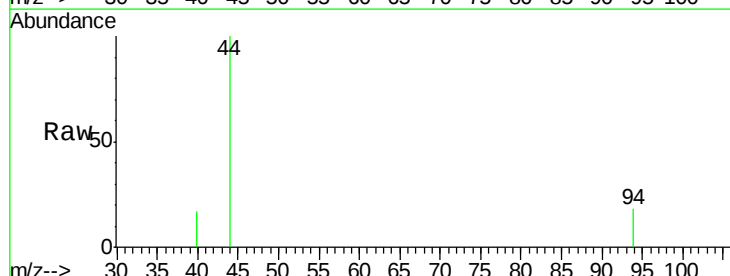
Tgt Ion: 94 Resp: 873

Ion Ratio Lower Upper

94 100

96 0.0 76.6 115.0#

93 0.0 18.5 27.7#



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

2.18

400

300

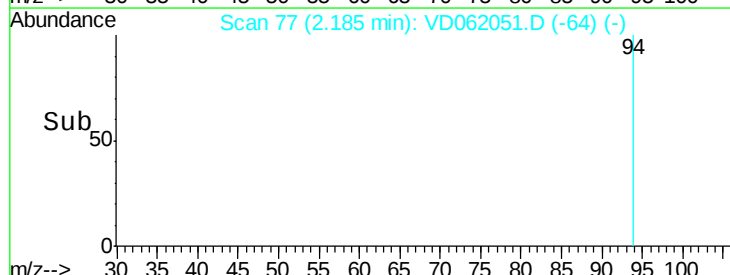
200

100

0

Time-->

2.15 2.20





#16

Acetone

Concen: 3.544 ug/l

RT: 3.23 min Scan# 183

Delta R.T. 0.01 min

Lab File: VD062051.D

Acq: 25 Apr 2019 21:20

Instrument :

MSVOA_D

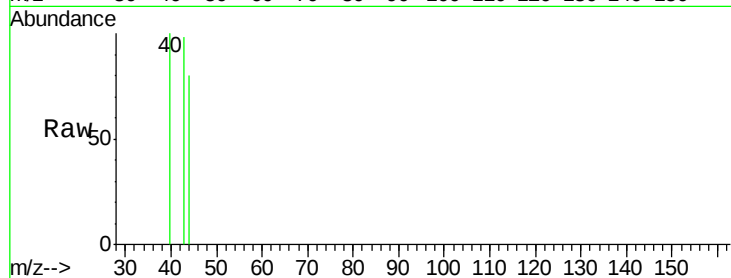
ClientSampleId :

Tot Ion: 43 Resp: 1336

Ion Ratio Lower Upper

43 100

58 0.0 19.9 29.9#



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC

3.23

600

500

400

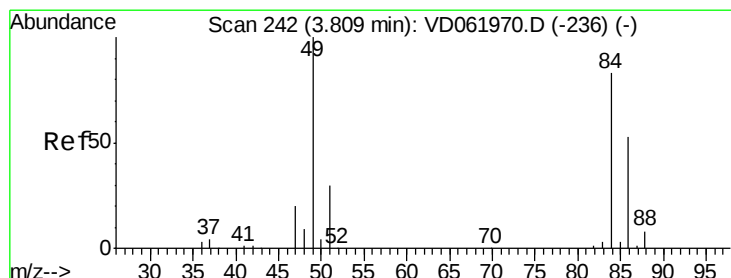
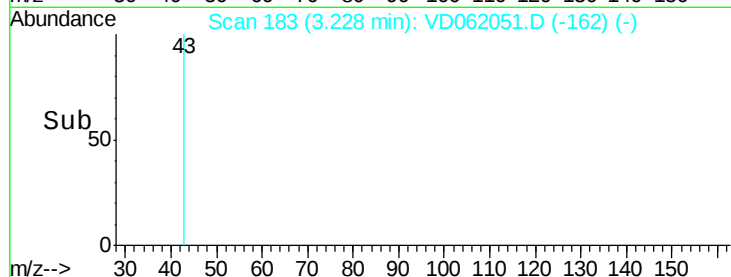
300

200

100

0

Time--> 3.15 3.20 3.25



#20

Methylene Chloride

Concen: Below Cal

RT: 3.81 min Scan# 242

Delta R.T. -0.01 min

Lab File: VD062051.D

Acq: 25 Apr 2019 21:20

Tgt Ion: 84 Resp: 1844

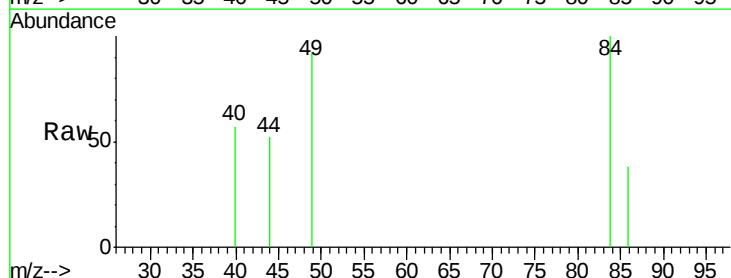
Ion Ratio Lower Upper

84 100

49 91.6 94.0 141.0#

51 0.0 29.0 43.4#

86 37.6 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

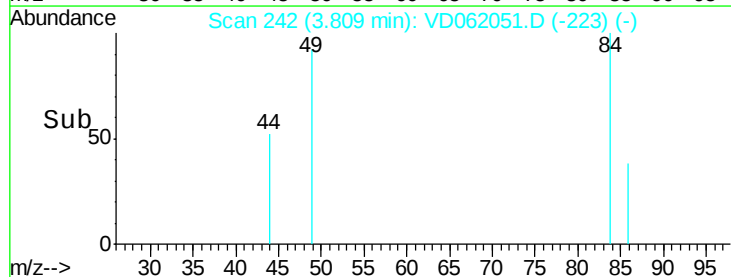
1500

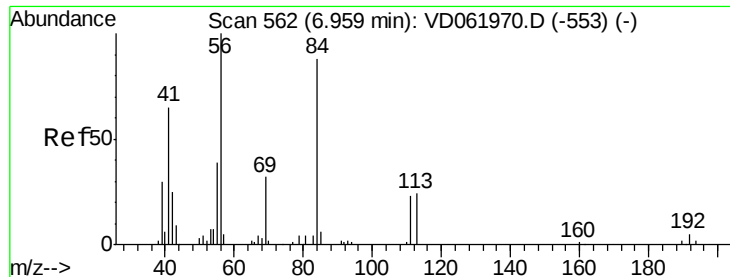
1000

500

0

Time--> 3.75 3.80 3.85

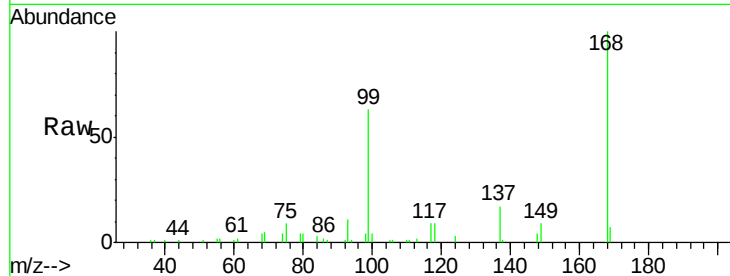




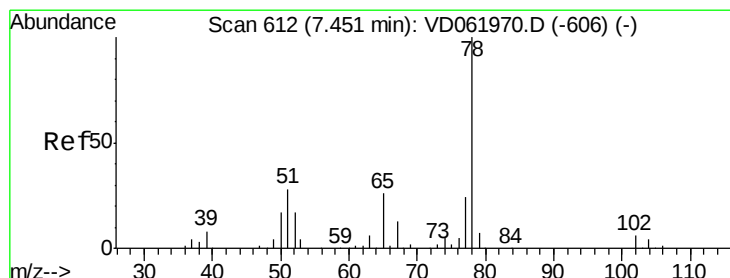
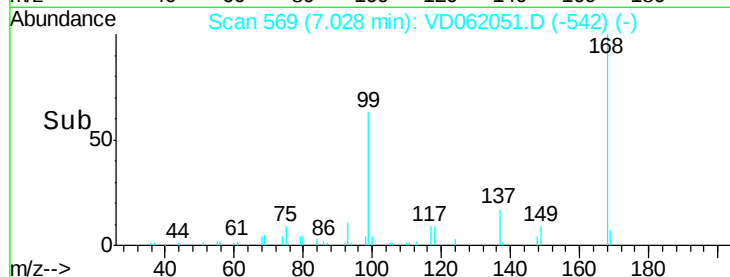
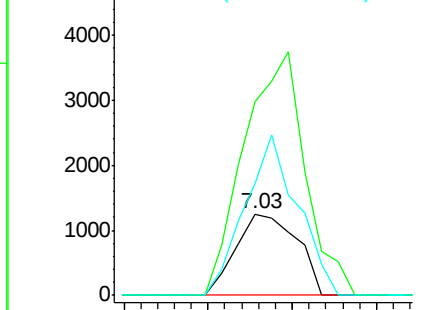
#31
Cyclohexane
Concen: 1.336 ug/l
RT: 7.03 min Scan# 569
Delta R.T. 0.06 min
Lab File: VD062051.D
Acq: 25 Apr 2019 21:20

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 56 Resp: 3142
Ion Ratio Lower Upper
56 100
69 238.0 25.8 38.6#
84 138.0 72.2 108.4#

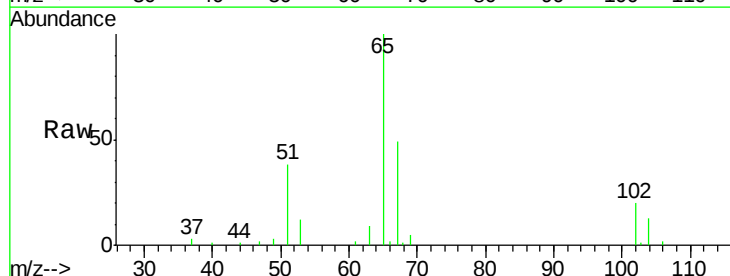


Abundance Ion 55.95 (55.65 to 56.65): VDC
Ion 69.00 (68.70 to 69.70): VDC
Ion 84.05 (83.75 to 84.75): VDC

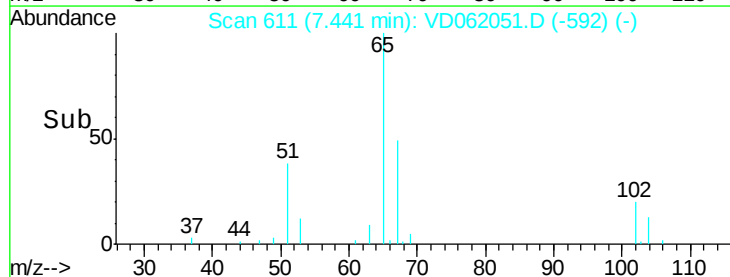
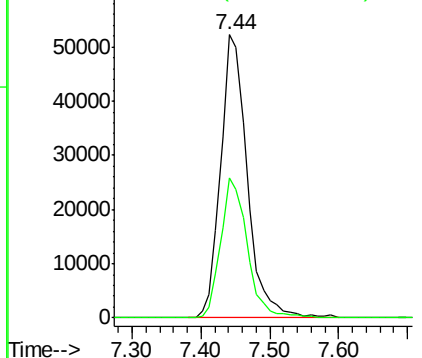


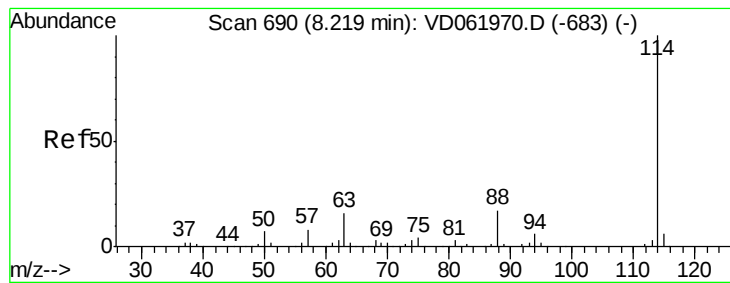
#33
1,2-Dichloroethane-d4
Concen: 89.046 ug/l
RT: 7.44 min Scan# 611
Delta R.T. -0.01 min
Lab File: VD062051.D
Acq: 25 Apr 2019 21:20

Tgt Ion: 65 Resp: 140570
Ion Ratio Lower Upper
65 100
67 49.3 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# 689

Delta R.T. -0.01 min

Lab File: VD062051.D

Acq: 25 Apr 2019 21:20

Instrument :

MSVOA_D

ClientSampleId :

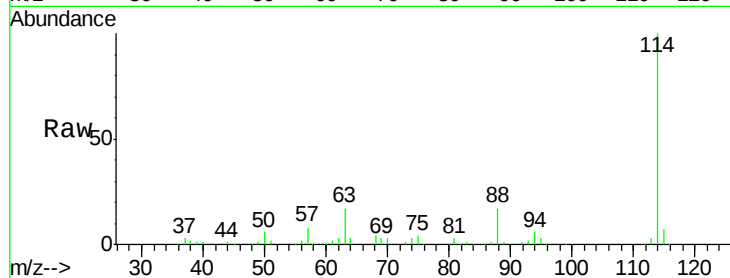
Tot Ion:114 Resp: 322741

Ion Ratio Lower Upper

114 100

63 17.3 0.0 32.4

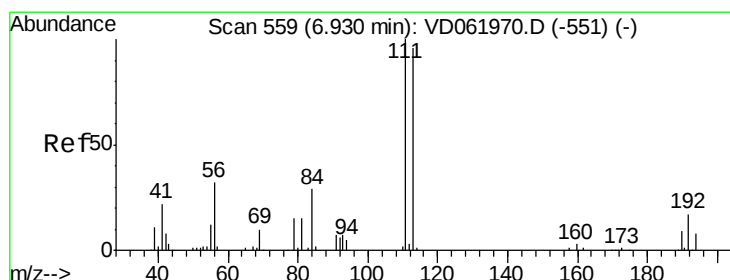
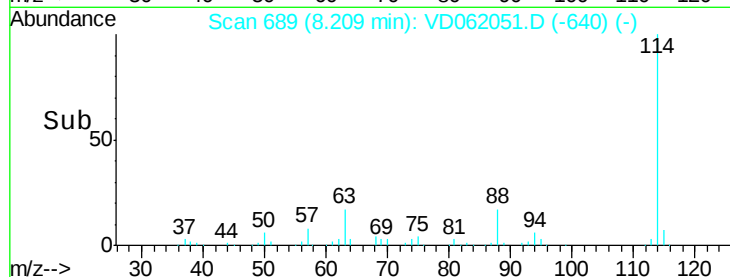
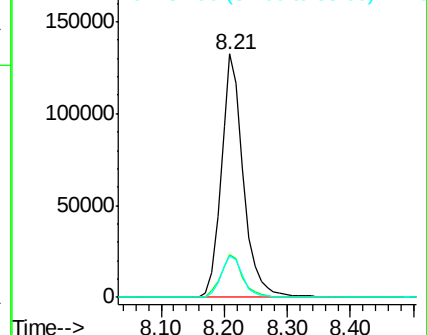
88 17.1 0.0 33.6



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: 71.190 ug/l

RT: 6.92 min Scan# 558

Delta R.T. -0.01 min

Lab File: VD062051.D

Acq: 25 Apr 2019 21:20

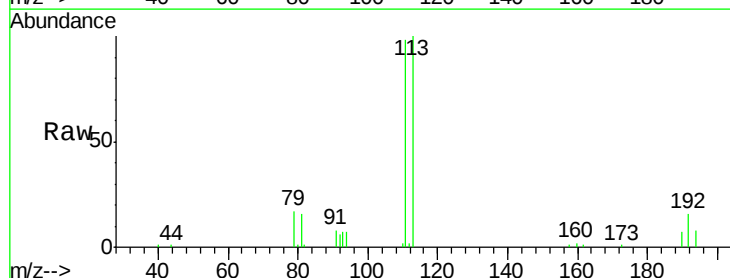
Tgt Ion:113 Resp: 158900

Ion Ratio Lower Upper

113 100

111 98.0 78.5 117.7

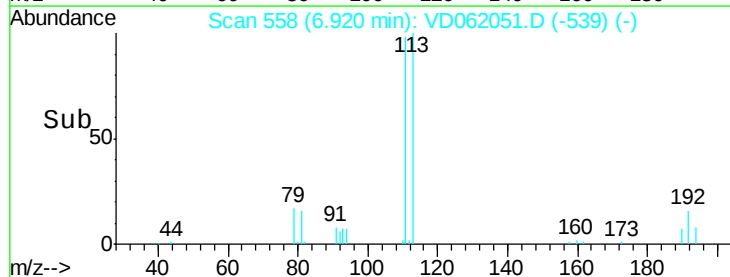
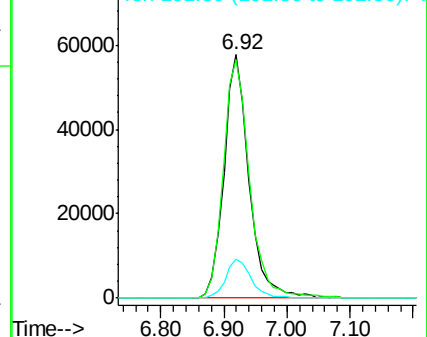
192 16.0 13.0 19.4

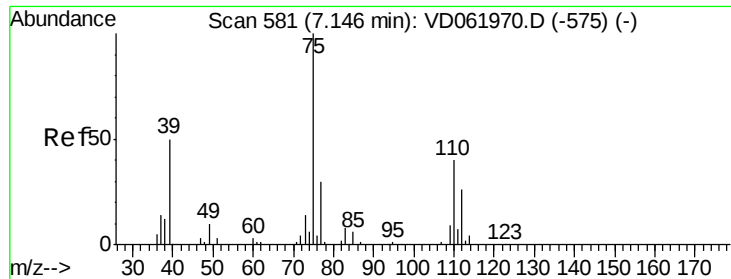


Abundance Ion 112.90 (112.60 to 113.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 191.80 (191.50 to 192.50): V





#36

1,1-Dichloropropene

Concen: 5.951 ug/l

RT: 7.04 min Scan# 570

Delta R.T. -0.11 min

Lab File: VD062051.D

Acq: 25 Apr 2019 21:20

Instrument :

MSVOA_D

ClientSampleId :

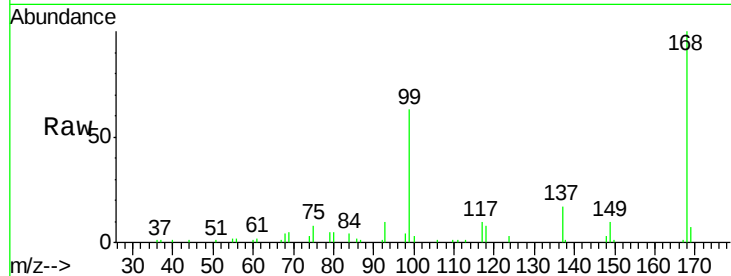
Tot Ion: 75 Resp: 14964

Ion Ratio Lower Upper

75 100

110 9.4 19.1 57.1#

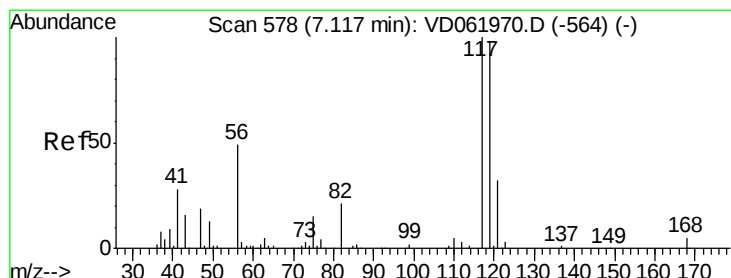
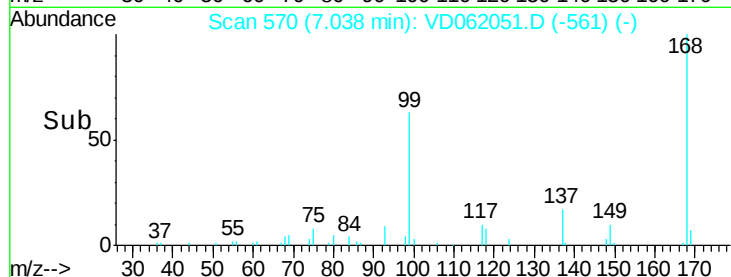
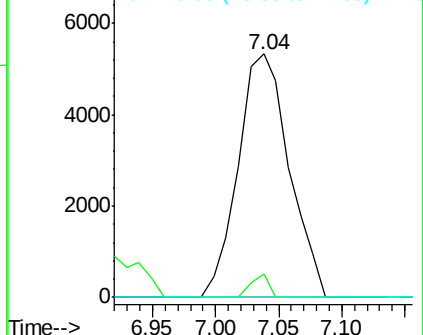
77 0.0 25.6 38.4#



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: 5.972 ug/l

RT: 7.04 min Scan# 570

Delta R.T. -0.08 min

Lab File: VD062051.D

Acq: 25 Apr 2019 21:20

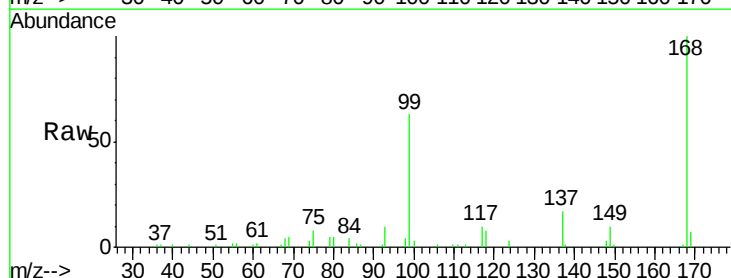
Tgt Ion: 117 Resp: 19029

Ion Ratio Lower Upper

117 100

119 0.0 75.8 113.8#

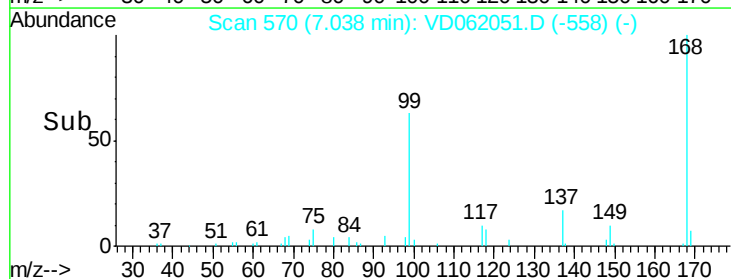
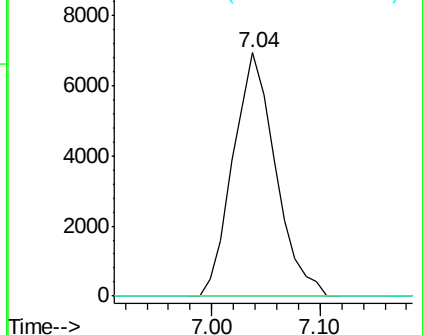
121 0.0 25.9 38.9#

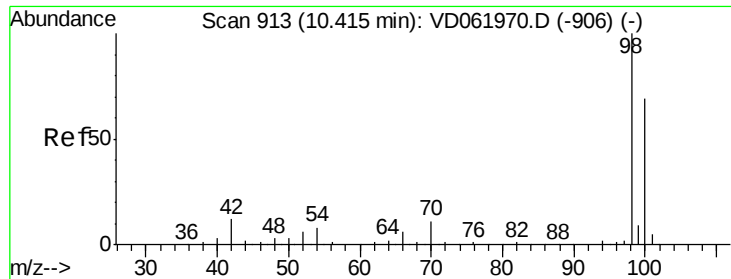


Abundance Ion 116.85 (116.55 to 117.55): V

Ion 118.85 (118.55 to 119.55): V

Ion 120.85 (120.55 to 121.55): V

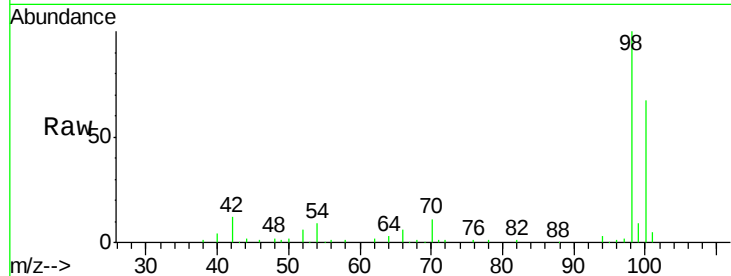




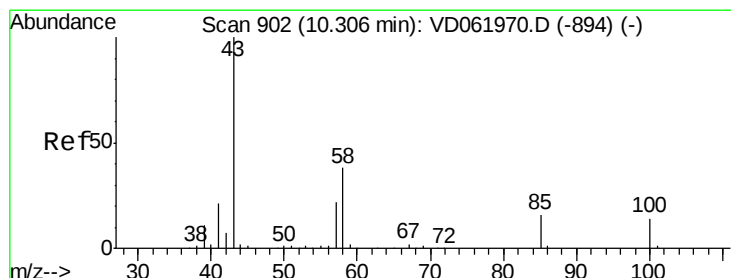
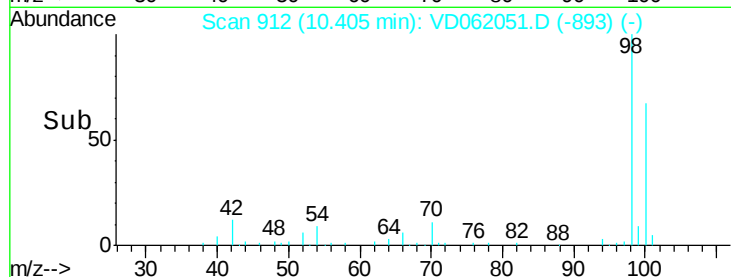
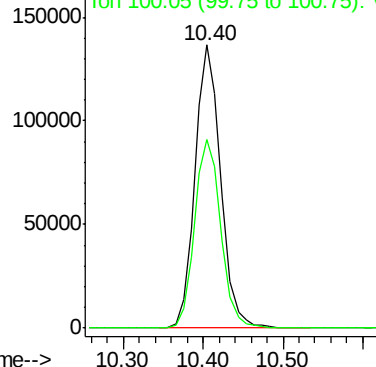
#50
Toluene-d8
Concen: 58.143 ug/l
RT: 10.40 min Scan# 912
Delta R.T. -0.01 min
Lab File: VD062051.D
Acq: 25 Apr 2019 21:20

Instrument :
MSVOA_D
ClientSampled :

Tot Ion: 98 Resp: 308808
Ion Ratio Lower Upper
98 100
100 66.7 53.8 80.8

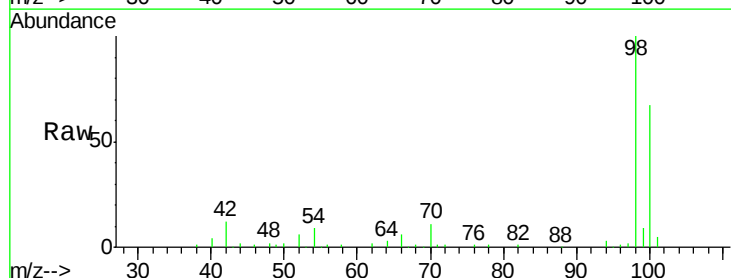


Abundance Ion 98.05 (97.75 to 98.75): VD061970.D (-906) (-)
Ion 100.05 (99.75 to 100.75): VD061970.D (-906) (-)

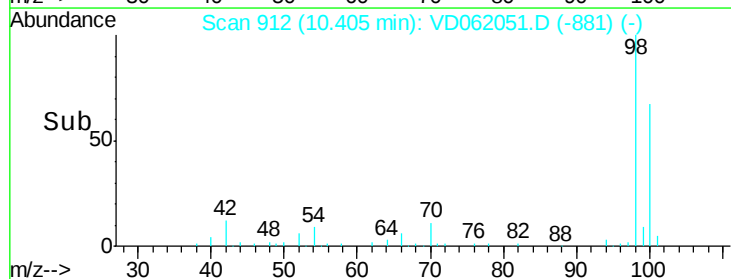
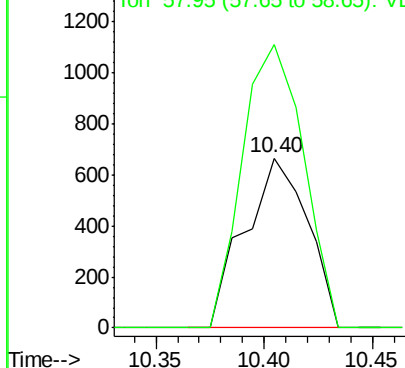


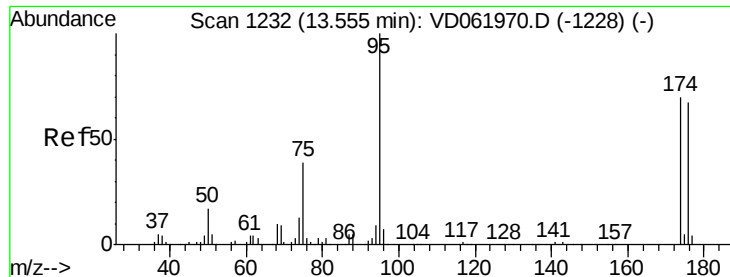
#51
4-Methyl-2-Pentanone
Concen: 1.407 ug/l
RT: 10.40 min Scan# 912
Delta R.T. 0.10 min
Lab File: VD062051.D
Acq: 25 Apr 2019 21:20

Tgt Ion: 43 Resp: 1347
Ion Ratio Lower Upper
43 100
58 166.9 30.4 45.6#



Abundance Ion 42.95 (42.65 to 43.65): VD061970.D (-894) (-)
Ion 57.95 (57.65 to 58.65): VD061970.D (-894) (-)

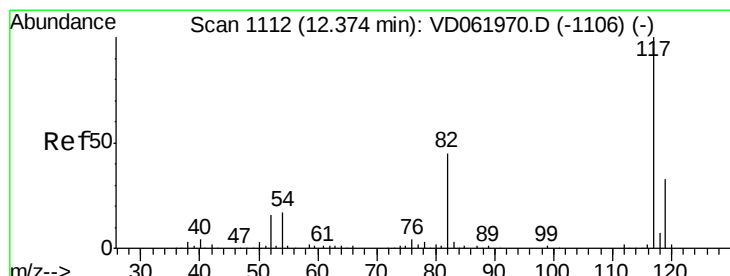
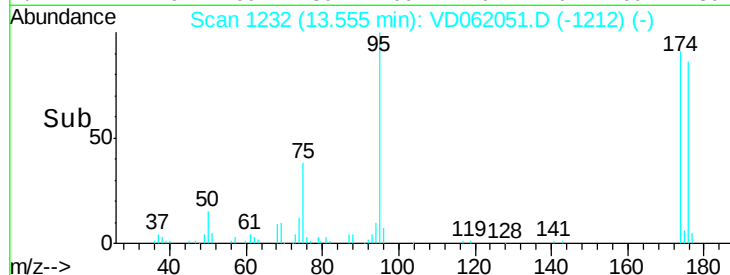
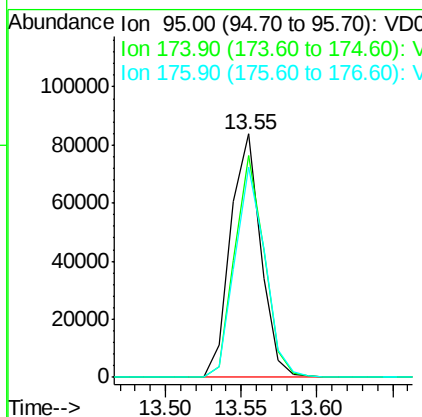
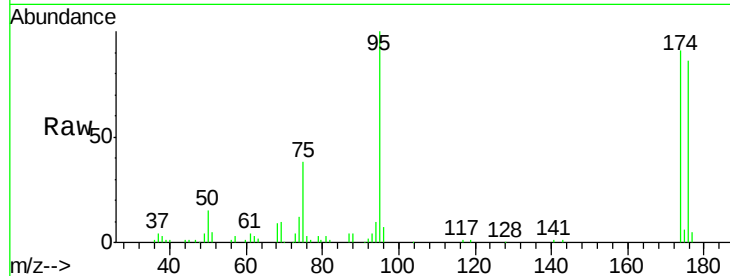




#62
4-Bromofluorobenzene
Concen: 54.556 ug/l
RT: 13.55 min Scan# 1232
Delta R.T. -0.00 min
Lab File: VD062051.D
Acq: 25 Apr 2019 21:20

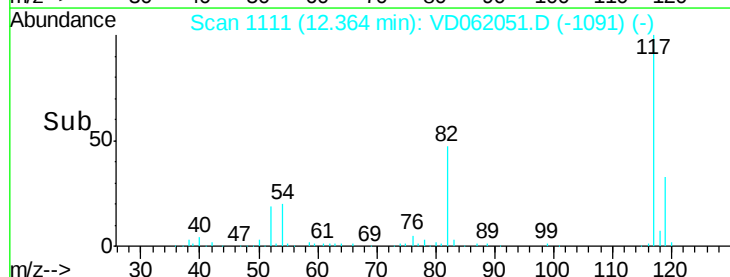
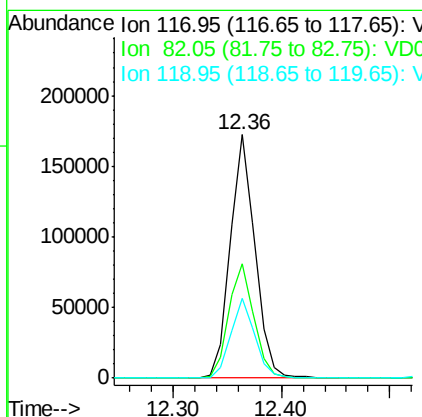
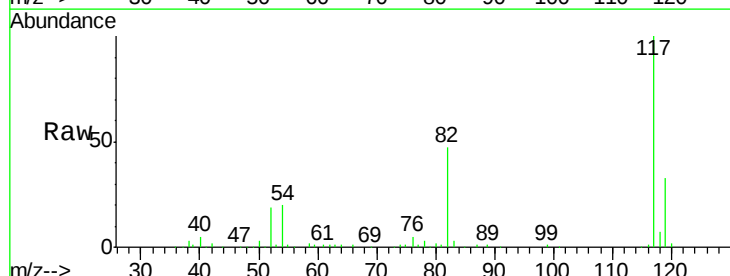
Instrument :
MSVOA_D
ClientSampled :

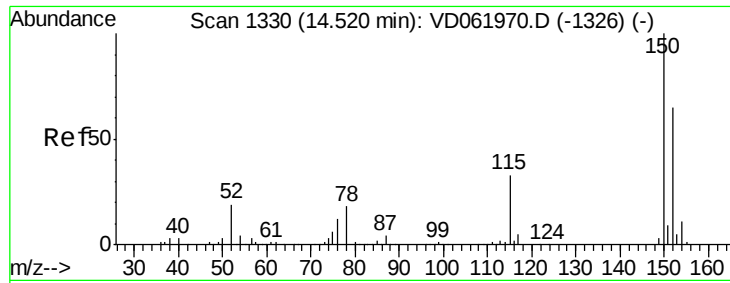
Tot Ion: 95 Resp: 116220
Ion Ratio Lower Upper
95 100
174 90.9 0.0 181.8
176 86.4 0.0 174.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 12.36 min Scan# 1111
Delta R.T. -0.00 min
Lab File: VD062051.D
Acq: 25 Apr 2019 21:20

Tgt Ion: 117 Resp: 274465
Ion Ratio Lower Upper
117 100
82 46.8 36.2 54.2
119 32.6 26.2 39.4





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 14.52 min Scan# 1330

Delta R.T. -0.00 min

Lab File: VD062051.D

Acq: 25 Apr 2019 21:20

Instrument :

MSVOA_D

ClientSampleId :

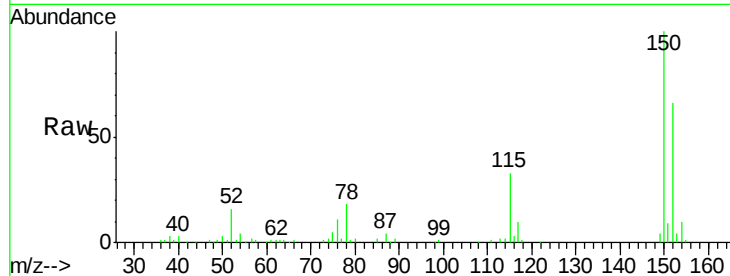
Tot Ion:152 Resp: 115614

Ion Ratio Lower Upper

152 100

115 50.5 30.9 92.7

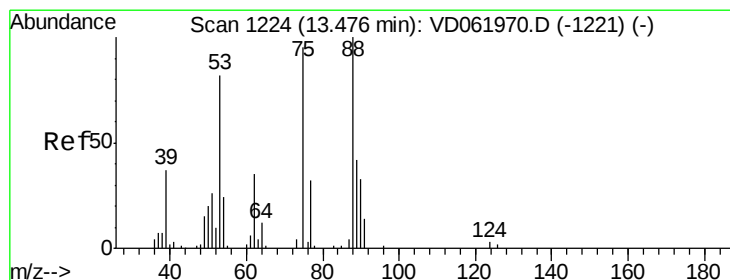
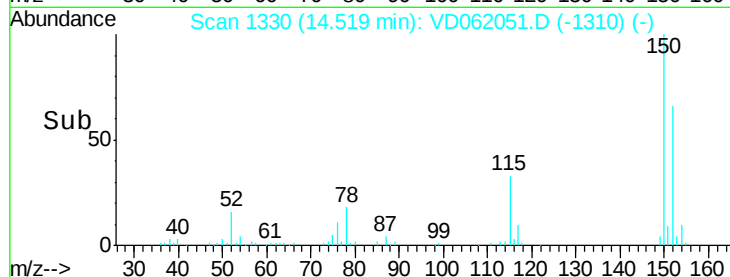
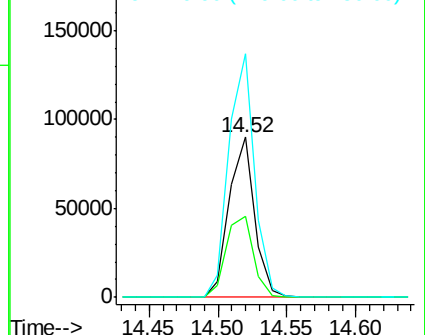
150 152.4 0.0 314.8



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: 102.947 ug/l

RT: 13.55 min Scan# 1232

Delta R.T. 0.07 min

Lab File: VD062051.D

Acq: 25 Apr 2019 21:20

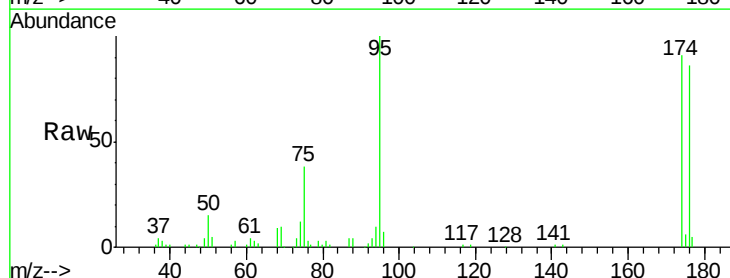
Tgt Ion: 75 Resp: 45801

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

