

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD050719\
 Data File : VD062161.D
 Acq On : 8 May 2019 5:40
 Operator : FY/SY
 Sample : K2672-09
 Misc : 5.07g/5mL/MSVOA D/SOIL
 ALS Vial : 34 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 SB-05-1.5-2.0

Quant Time: May 08 07:56:05 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D050719S.M
 Quant Title : SW846 8260
 QLast Update : Tue May 07 14:26:29 2019
 Response via : Initial Calibration

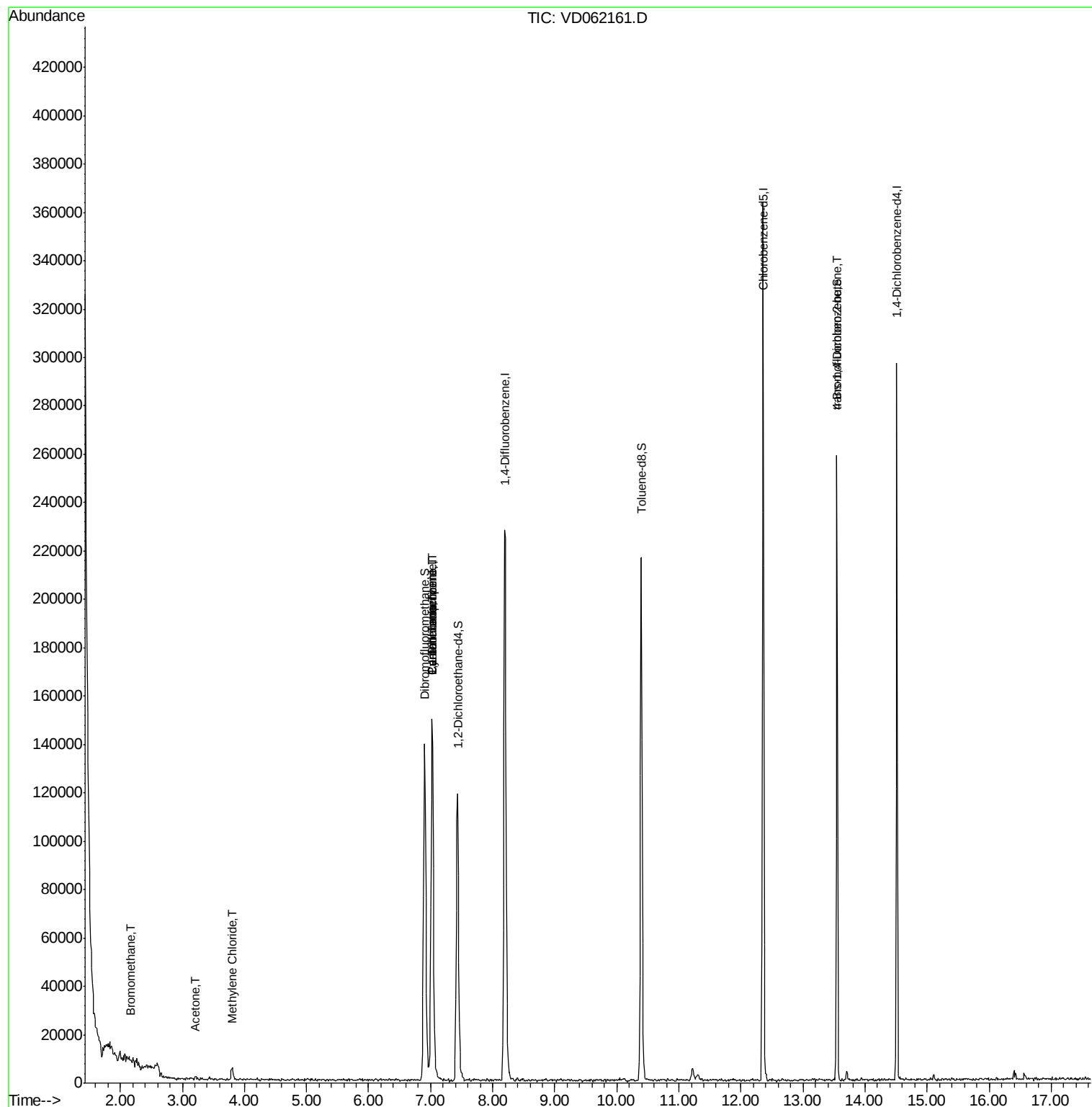
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.02	168	149496	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.20	114	260715	50.00	ug/l	0.01
63) Chlorobenzene-d5	12.36	117	191736	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	14.51	152	61239	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	7.44	65	130225	93.74	ug/l	0.01
Spiked Amount 50.000			Recovery	=	187.48%	
35) Dibromofluoromethane	6.90	113	125287	57.92	ug/l	0.01
Spiked Amount 50.000			Recovery	=	115.84%	
50) Toluene-d8	10.40	98	193736	37.15	ug/l	0.00
Spiked Amount 50.000			Recovery	=	74.30%	
62) 4-Bromofluorobenzene	13.55	95	70642	33.73	ug/l	0.00
Spiked Amount 50.000			Recovery	=	67.46%	
Target Compounds						
					Qvalue	
5) Bromomethane	2.17	94	3041	12.782	ug/l #	12
16) Acetone	3.21	43	1823	6.257	ug/l #	50
20) Methylene Chloride	3.80	84	3157	2.595	ug/l #	84
31) Cyclohexane	7.02	56	1958	1.343	ug/l #	1
36) 1,1-Dichloropropene	7.02	75	9848	4.607	ug/l #	55
38) Carbon Tetrachloride	7.02	117	13491	4.560	ug/l #	12
81) trans-1,4-Dichloro-2-buten	13.55	75	29548	143.817	ug/l #	16

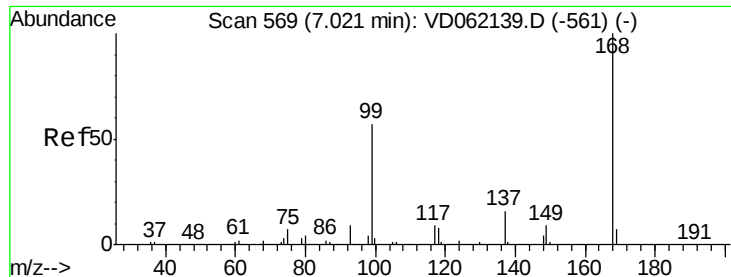
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Tue May 07 14:26:29 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.02 min Scan# 569

Delta R.T. 0.00 min

Lab File: VD062161.D

Acq: 8 May 2019 5:40

Instrument :

MSVOA_D

ClientSampleId :

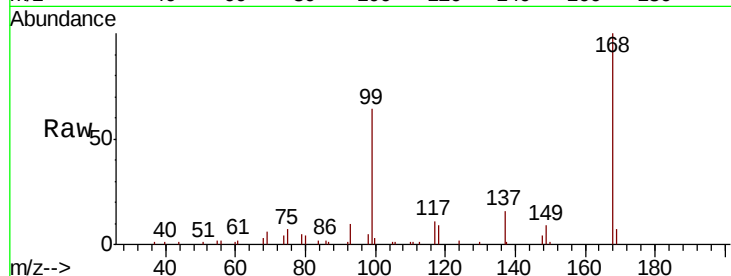
SB-05-1.5-2.0

Tot Ion:168 Resp: 149496

Ion Ratio Lower Upper

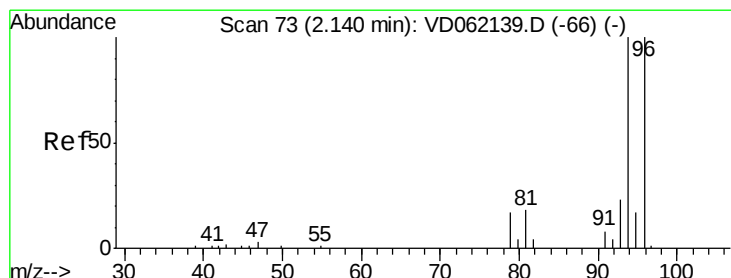
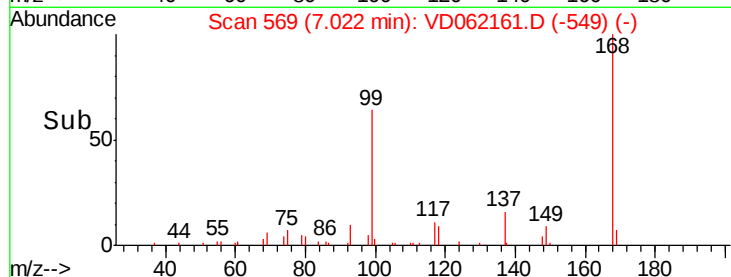
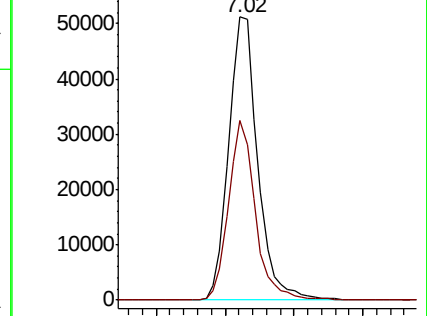
168 100

99 63.5 46.5 69.7



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC



#5

Bromomethane

Concen: 12.782 ug/l

RT: 2.17 min Scan# 76

Delta R.T. 0.03 min

Lab File: VD062161.D

Acq: 8 May 2019 5:40

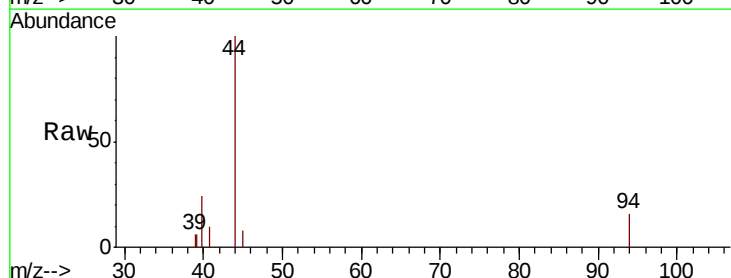
Tgt Ion: 94 Resp: 3041

Ion Ratio Lower Upper

94 100

96 0.0 76.6 115.0#

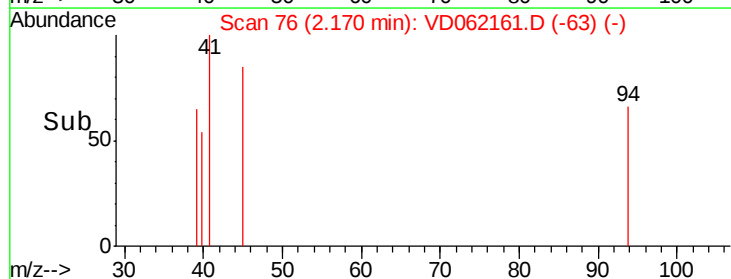
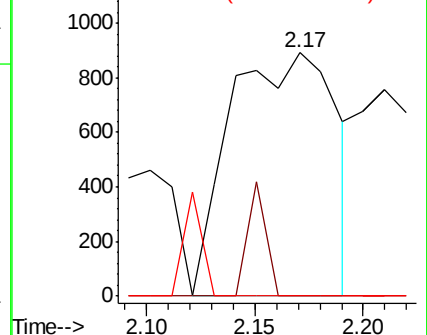
93 0.0 18.5 27.7#

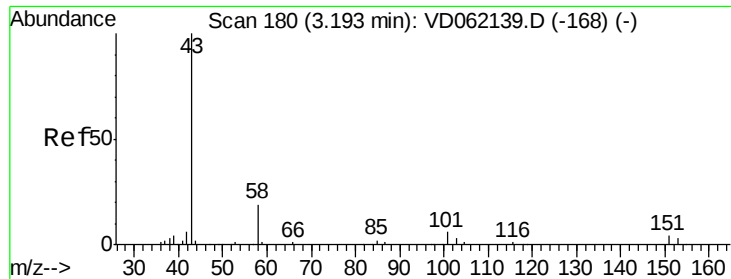


Abundance Ion 94.00 (93.70 to 94.70): VDC

Ion 96.00 (95.70 to 96.70): VDC

Ion 93.00 (92.70 to 93.70): VDC





#16

Acetone

Concen: 6.257 ug/l

RT: 3.21 min Scan# 182

Delta R.T. 0.02 min

Lab File: VD062161.D

Acq: 8 May 2019 5:40

Instrument :

MSVOA_D

ClientSampleId :

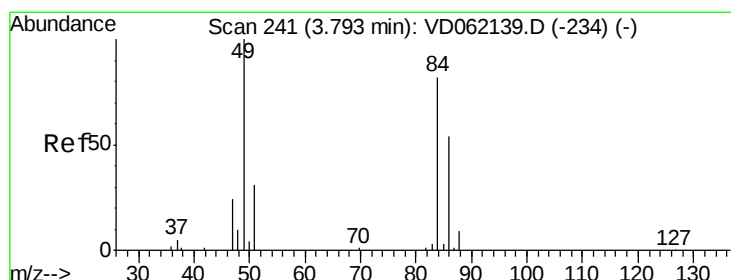
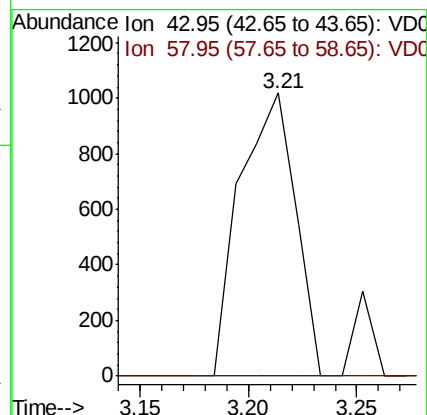
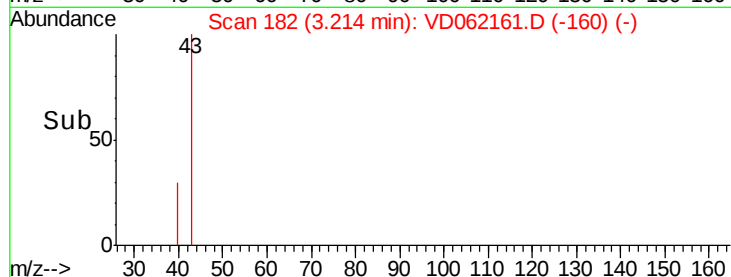
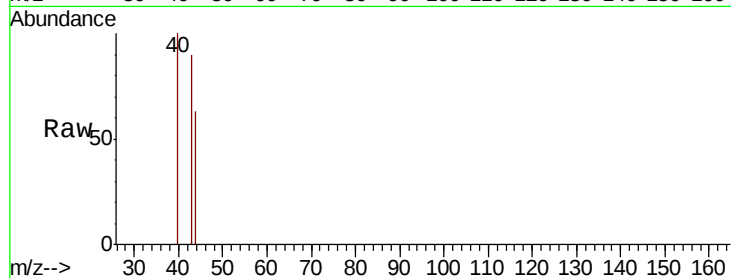
SB-05-1.5-2.0

Tot Ion: 43 Resp: 1823

Ion Ratio Lower Upper

43 100

58 0.0 19.9 29.9#



#20

Methylene Chloride

Concen: 2.595 ug/l

RT: 3.80 min Scan# 242

Delta R.T. 0.01 min

Lab File: VD062161.D

Acq: 8 May 2019 5:40

Tgt Ion: 84 Resp: 3157

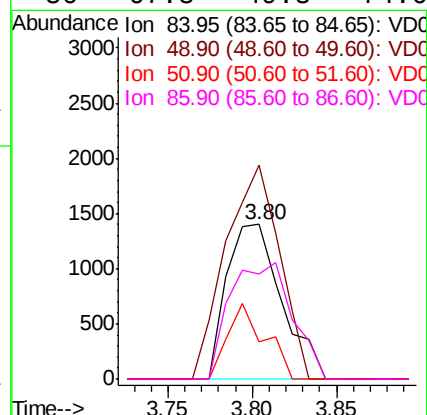
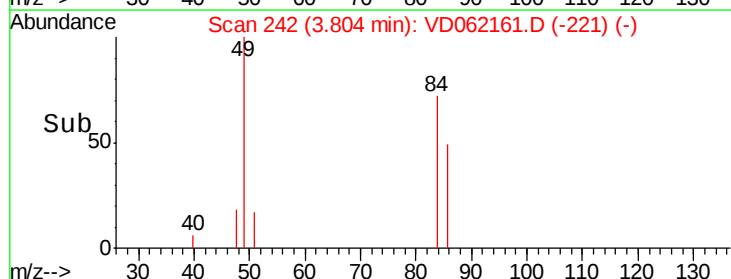
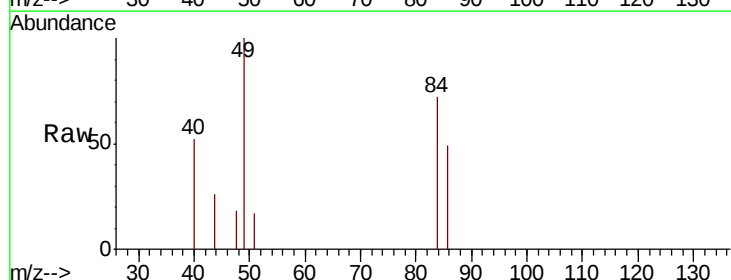
Ion Ratio Lower Upper

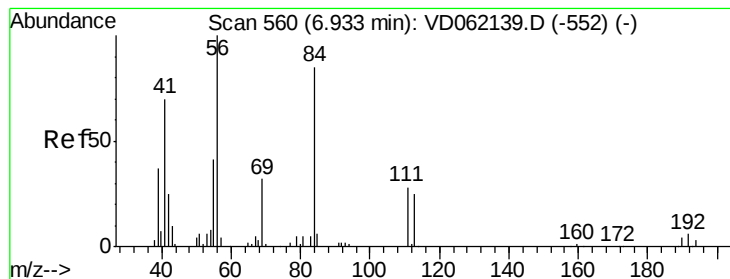
84 100

49 138.4 94.0 141.0

51 24.0 29.0 43.4#

86 67.8 49.8 74.6





#31

Cvclohexane

Concen: 1.343 ug/l

RT: 7.02 min Scan# 569

Delta R.T. 0.09 min

Lab File: VD062161.D

Acq: 8 May 2019 5:40

Instrument :

MSVOA_D

ClientSampleId :

SB-05-1.5-2.0

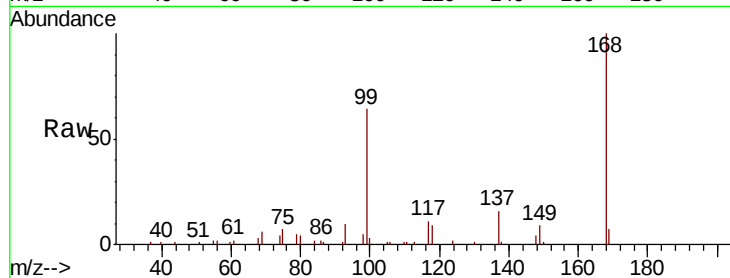
Tot Ion: 56 Resp: 1958

Ion Ratio Lower Upper

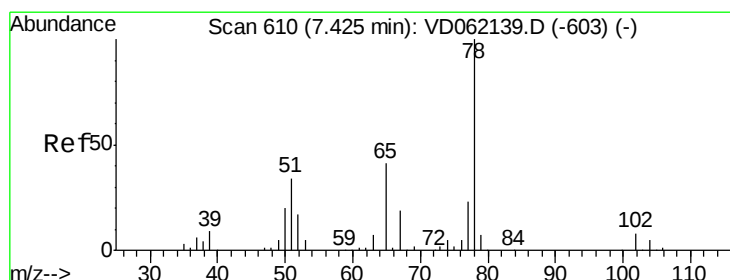
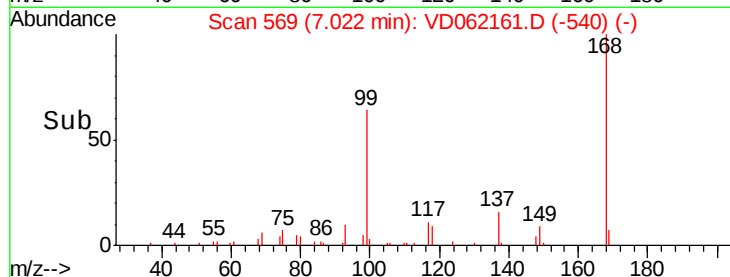
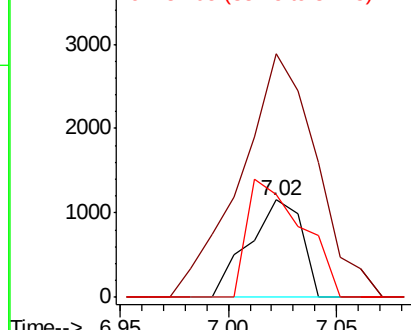
56 100

69 250.2 25.8 38.6#

84 105.2 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: 93.735 ug/l

RT: 7.44 min Scan# 611

Delta R.T. 0.01 min

Lab File: VD062161.D

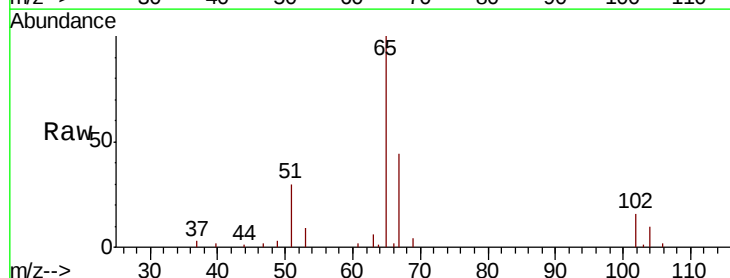
Acq: 8 May 2019 5:40

Tgt Ion: 65 Resp: 130225

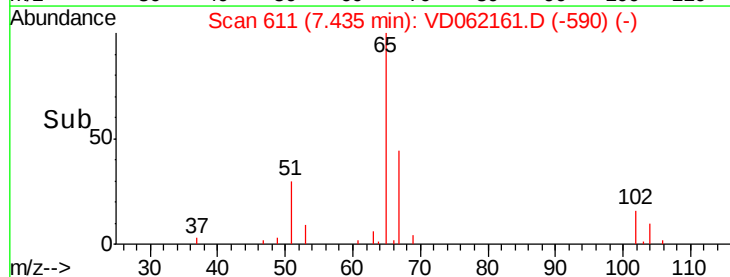
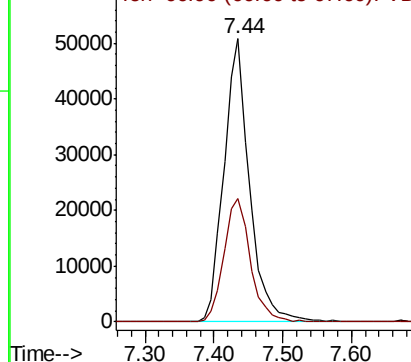
Ion Ratio Lower Upper

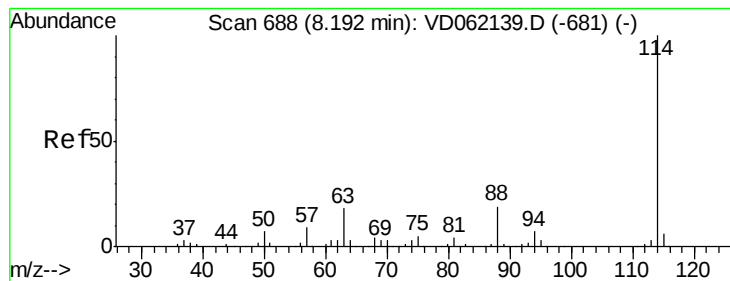
65 100

67 43.6 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: 8.20 min Scan# 689

Delta R.T. 0.01 min

Lab File: VD062161.D

Acq: 8 May 2019 5:40

Instrument :

MSVOA_D

ClientSampleID :

SB-05-1.5-2.0

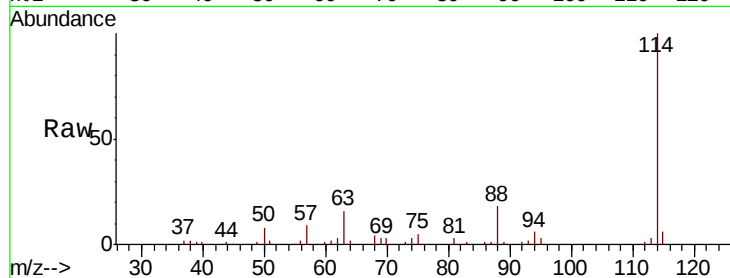
Tot Ion:114 Resp: 260715

Ion Ratio Lower Upper

114 100

63 16.0 0.0 32.4

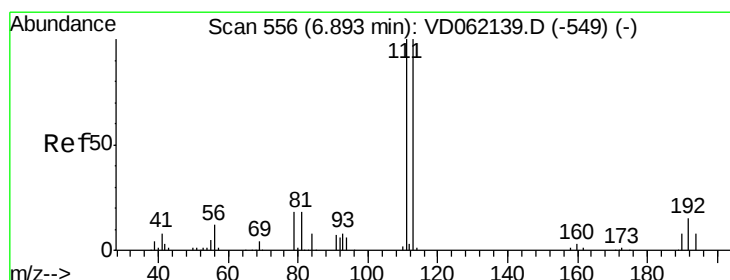
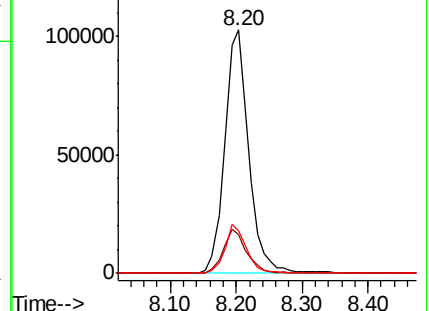
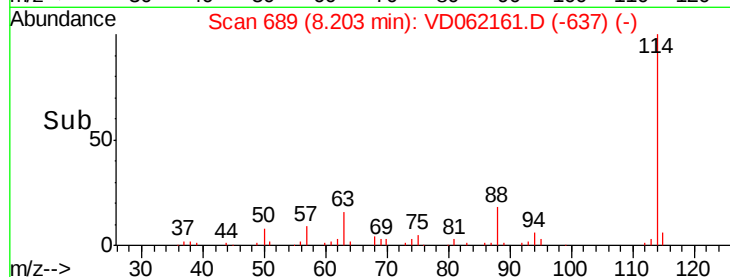
88 17.7 0.0 33.6



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: 57.918 ug/l

RT: 6.90 min Scan# 557

Delta R.T. 0.01 min

Lab File: VD062161.D

Acq: 8 May 2019 5:40

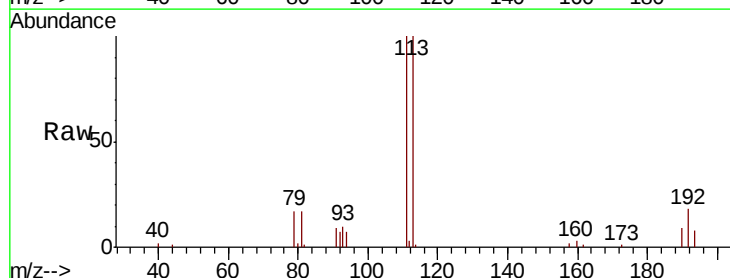
Tgt Ion:113 Resp: 125287

Ion Ratio Lower Upper

113 100

111 99.5 78.5 117.7

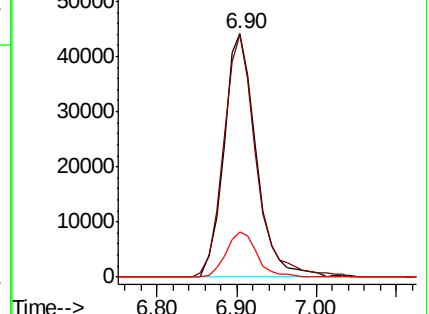
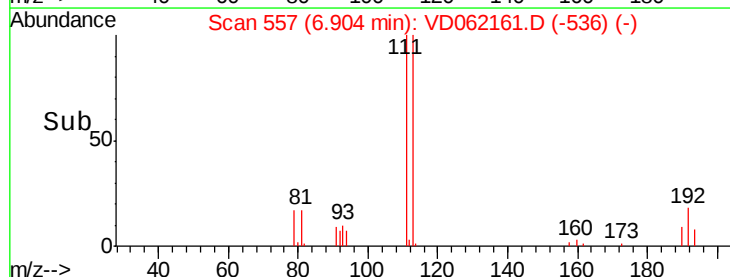
192 18.4 13.0 19.4

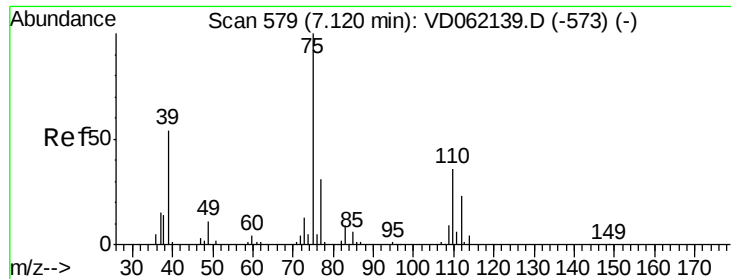


Abundance Ion 112.90 (112.60 to 113.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 191.80 (191.50 to 192.50): V

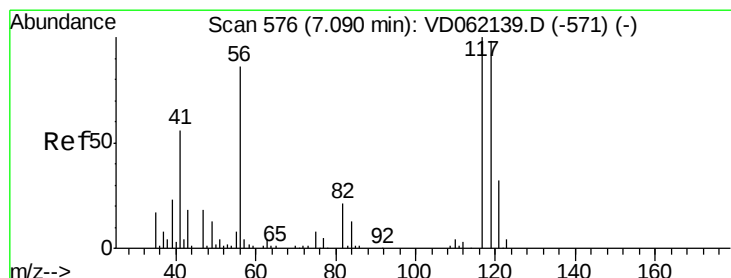
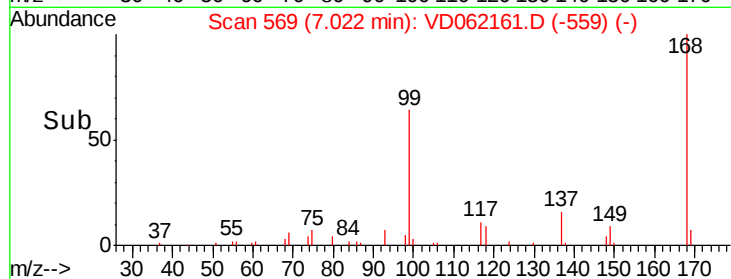
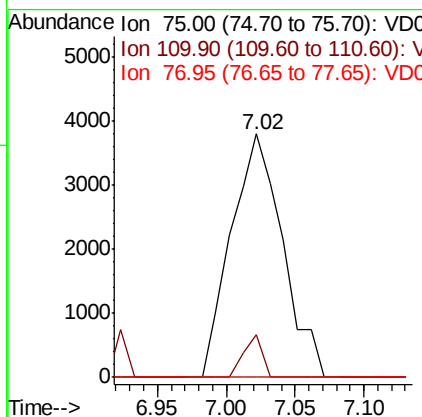
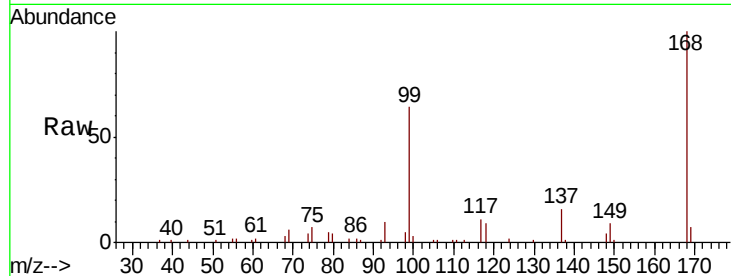




#36
 1,1-Dichloropropene
 Concen: 4.607 ug/l
 RT: 7.02 min Scan# 569
 Delta R.T. -0.10 min
 Lab File: VD062161.D
 Acq: 8 May 2019 5:40

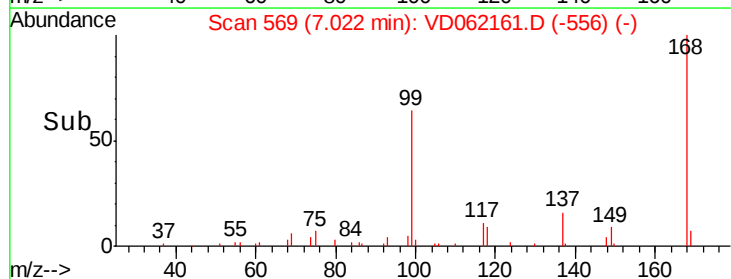
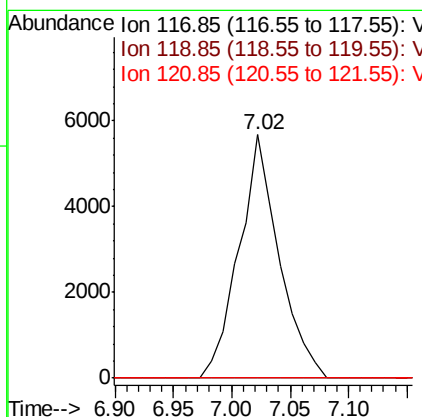
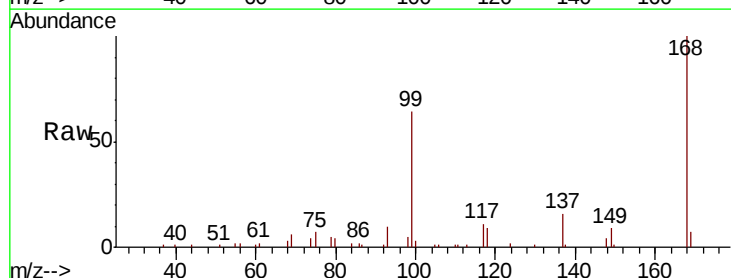
Instrument :
 MSVOA_D
 ClientSampleId :
 SB-05-1.5-2.0

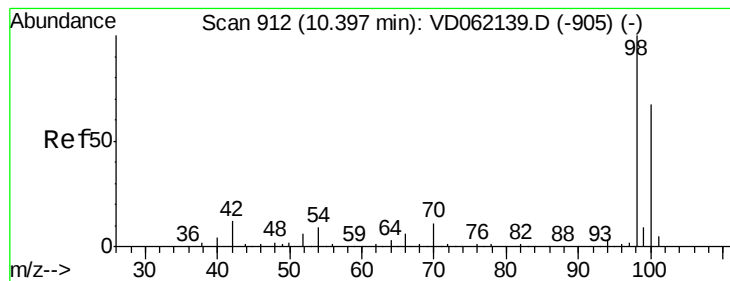
Tot Ion: 75 Resp: 9848
 Ion Ratio Lower Upper
 75 100
 110 17.3 19.1 57.1#
 77 0.0 25.6 38.4#



#38
 Carbon Tetrachloride
 Concen: 4.560 ug/l
 RT: 7.02 min Scan# 569
 Delta R.T. -0.07 min
 Lab File: VD062161.D
 Acq: 8 May 2019 5:40

Tgt Ion: 117 Resp: 13491
 Ion Ratio Lower Upper
 117 100
 119 0.0 75.8 113.8#
 121 0.0 25.9 38.9#





#50

Toluene-d8

Concen: 37.146 ug/l

RT: 10.40 min Scan# 912

Delta R.T. 0.00 min

Lab File: VD062161.D

Acq: 8 May 2019 5:40

Instrument :

MSVOA_D

ClientSampleId :

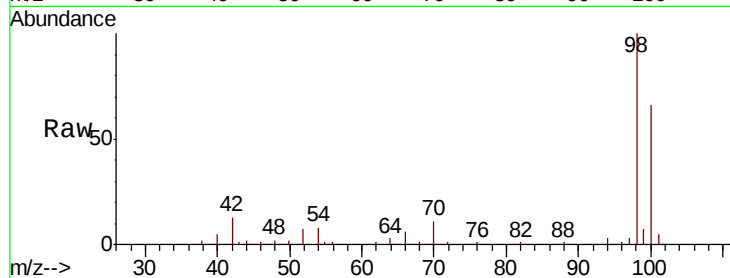
SB-05-1.5-2.0

Tot Ion: 98 Resp: 193736

Ion Ratio Lower Upper

98 100

100 66.1 53.8 80.8



Abundance Ion 98.05 (97.75 to 98.75): VD062139.D (-905) (-)

Ion 100.05 (99.75 to 100.75): VD062139.D (-905) (-)

10.40

80000

60000

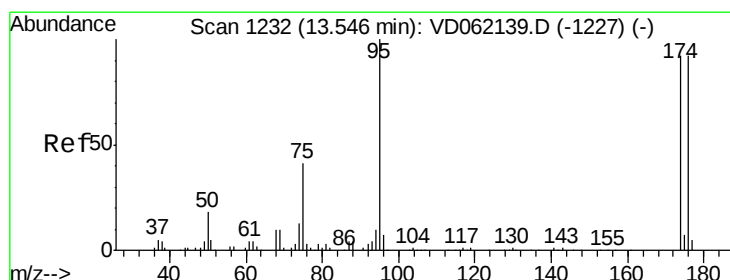
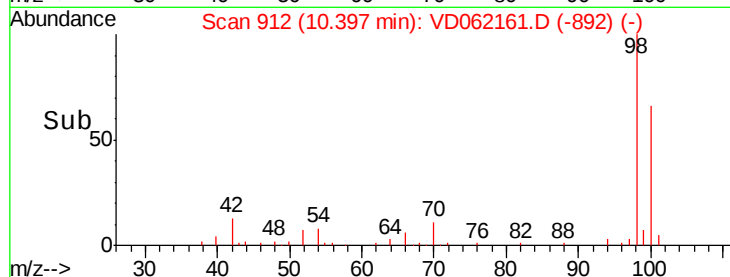
40000

20000

0

10.30 10.40 10.50

Time-->



#62

4-Bromofluorobenzene

Concen: 33.729 ug/l

RT: 13.55 min Scan# 1232

Delta R.T. 0.00 min

Lab File: VD062161.D

Acq: 8 May 2019 5:40

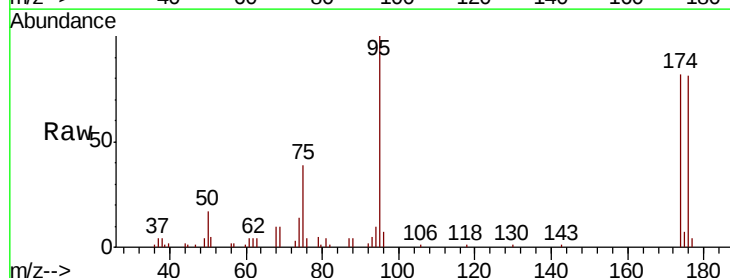
Tgt Ion: 95 Resp: 70642

Ion Ratio Lower Upper

95 100

174 82.5 0.0 181.8

176 81.4 0.0 174.4



Abundance Ion 95.00 (94.70 to 95.70): VD062139.D (-1227) (-)

Ion 173.90 (173.60 to 174.60): VD062139.D (-1227) (-)

Ion 175.90 (175.60 to 176.60): VD062139.D (-1227) (-)

13.55

60000

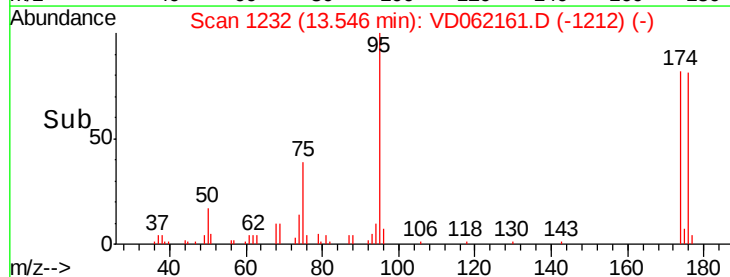
40000

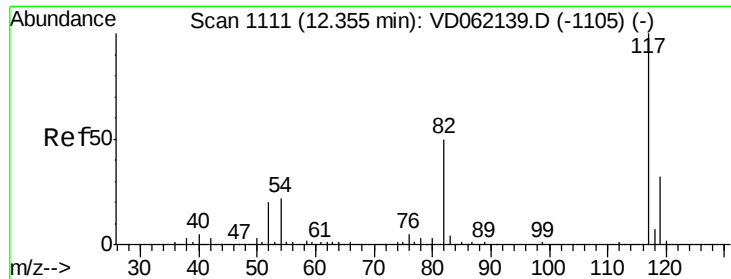
20000

0

13.50 13.55 13.60

Time-->

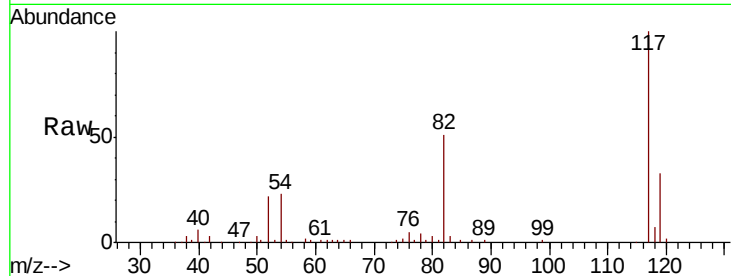




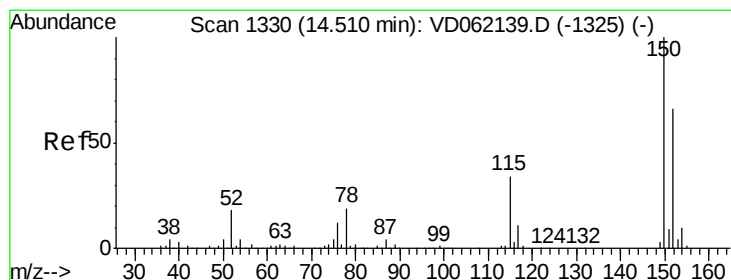
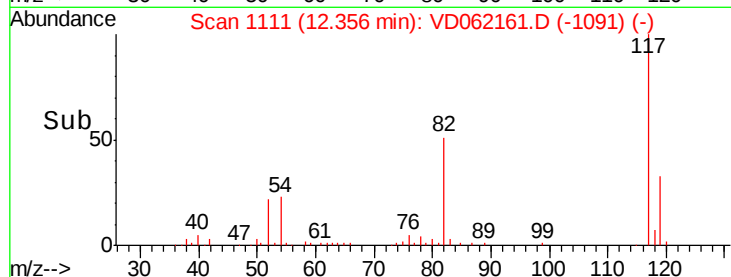
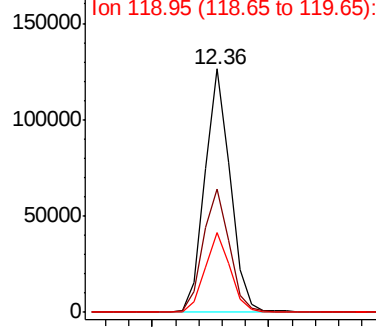
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 12.36 min Scan# 1111
Delta R.T. 0.00 min
Lab File: VD062161.D
Acq: 8 May 2019 5:40

Instrument :
MSVOA_D
ClientSampleId :
SB-05-1.5-2.0

Tot Ion:117 Resp: 191736
Ion Ratio Lower Upper
117 100
82 50.5 36.2 54.2
119 32.9 26.2 39.4

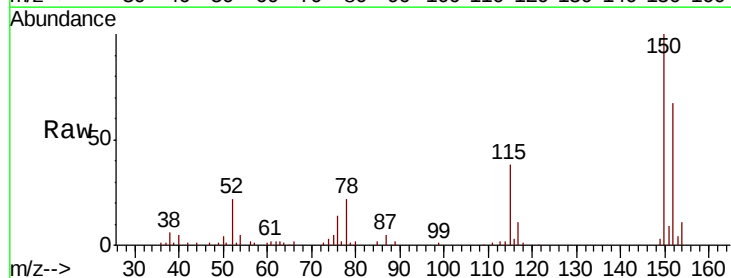


Abundance Ion 116.95 (116.65 to 117.65): V
Ion 82.05 (81.75 to 82.75): V
Ion 118.95 (118.65 to 119.65): V

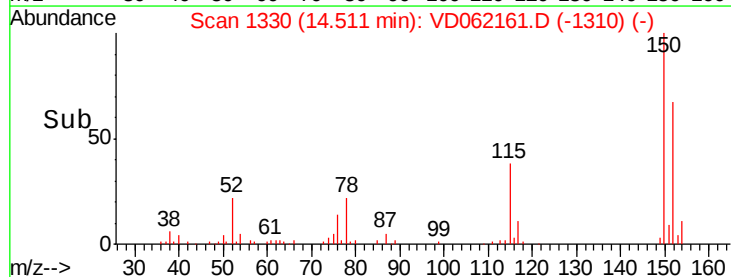
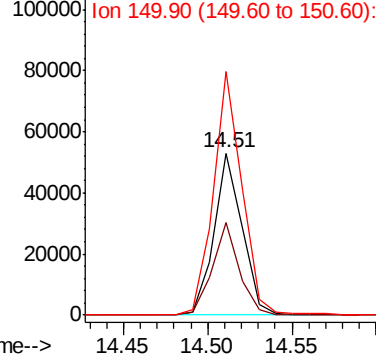


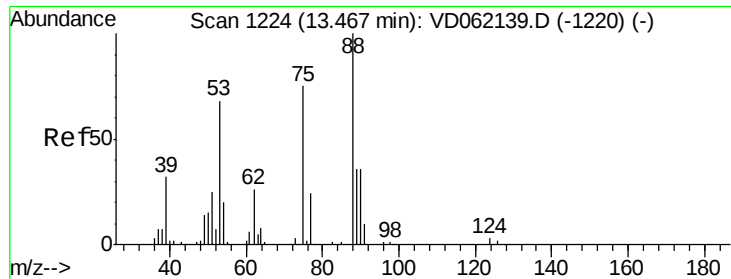
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 14.51 min Scan# 1330
Delta R.T. 0.00 min
Lab File: VD062161.D
Acq: 8 May 2019 5:40

Tgt Ion:152 Resp: 61239
Ion Ratio Lower Upper
152 100
115 57.5 30.9 92.7
150 150.2 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: 143.817 ug/l

RT: 13.55 min Scan# 1232

Delta R.T. 0.08 min

Lab File: VD062161.D

Acq: 8 May 2019 5:40

Instrument :

MSVOA_D

ClientSampleId :

SB-05-1.5-2.0

Tot Ion: 75 Resp: 29548

Ion Ratio Lower Upper

75 100

53 0.0 65.8 98.8#

89 0.0 35.0 52.6#

