

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD050719\
 Data File : VD062159.D
 Acq On : 8 May 2019 4:45
 Operator : FY/SY
 Sample : K2672-05
 Misc : 5.00µ/5mL/MSVOA D/SOIL
 ALS Vial : 32 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 SB-03-1.0-1.5

Quant Time: May 08 05:15:15 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	112831	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.20	114	184113	50.00	ug/l	0.00
63) Chlorobenzene-d5	12.35	117	131563	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	14.51	152	43218	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	7.43	65	97148	92.65	ug/l	0.00
Spiked Amount			Recovery	=	185.30%	
35) Dibromofluoromethane	6.90	113	91586	59.95	ug/l	0.00
Spiked Amount			Recovery	=	119.90%	
50) Toluene-d8	10.39	98	143767	39.03	ug/l	-0.01
Spiked Amount			Recovery	=	78.06%	
62) 4-Bromofluorobenzene	13.54	95	52341	35.39	ug/l	0.00
Spiked Amount			Recovery	=	70.78%	

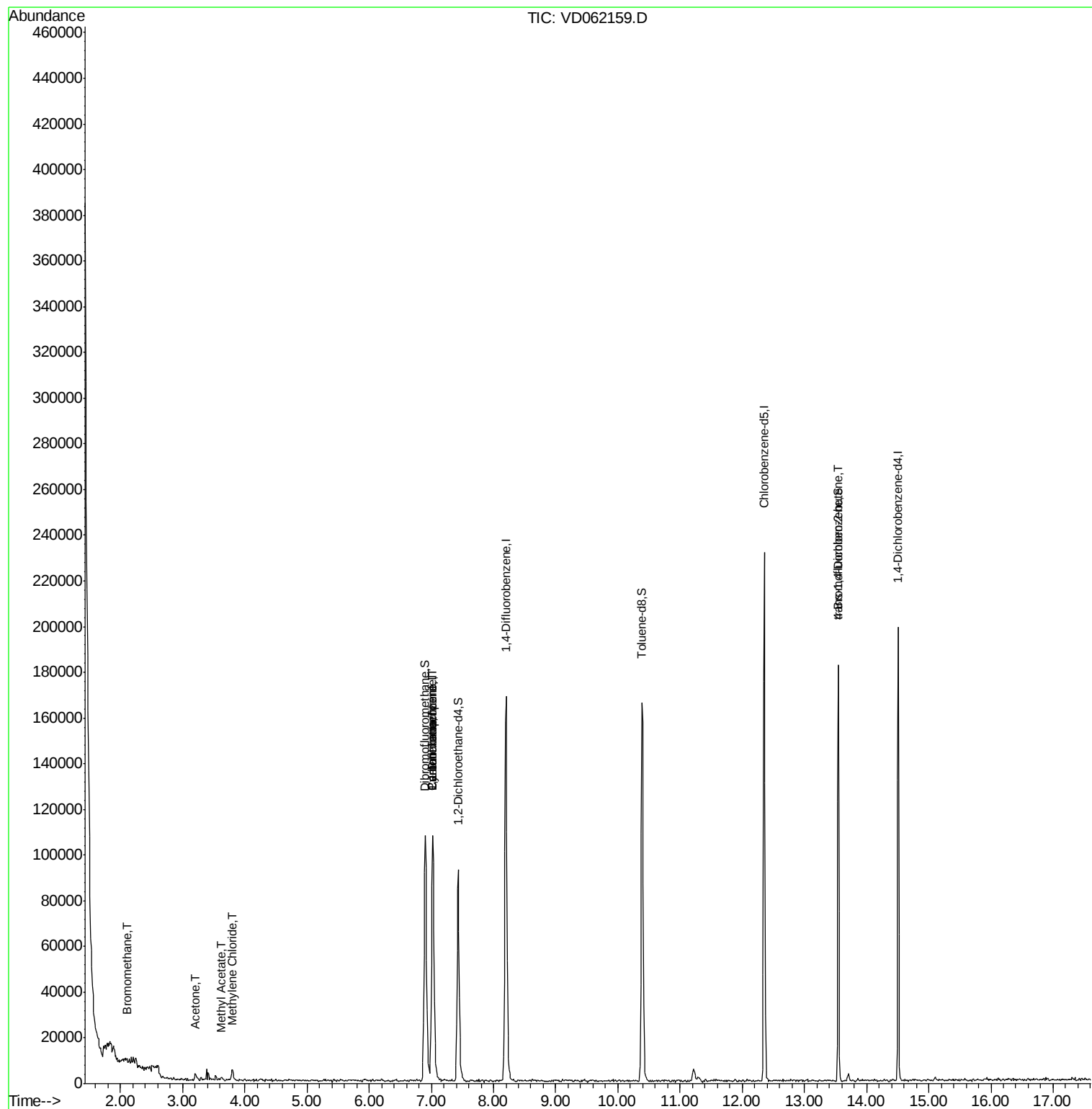
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	2.12	94	558	3.108	ug/l #	12
16) Acetone	3.20	43	5635	25.626	ug/l	94
18) Methyl Acetate	3.62	43	1528	3.604	ug/l #	53
20) Methylene Chloride	3.79	84	2649	2.885	ug/l #	57
31) Cyclohexane	7.02	56	1618	1.471	ug/l #	1
36) 1,1-Dichloropropene	7.02	75	7917	5.245	ug/l #	50
38) Carbon Tetrachloride	7.02	117	10171	4.868	ug/l #	12
81) trans-1,4-Dichloro-2-buten	13.54	75	20200	139.315	ug/l #	16

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

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Misc : 5.00g/5mL/MSVOA D/SOIL
ALS Vial : 32 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :
SB-03-1.0-1.5

Quant Time: May 08 05:15:15 2019
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_D\METHOD\82D050719S.M
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: VD062159.D

Acq: 8 May 2019 4:45

Instrument :

MSVOA_D

ClientSampleId :

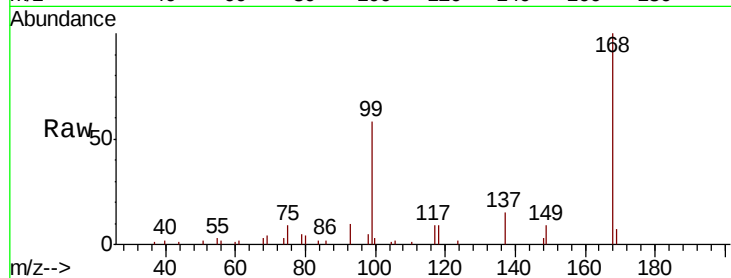
SB-03-1.0-1.5

Tot Ion:168 Resp: 112831

Ion Ratio Lower Upper

168 100

99 58.3 46.5 69.7



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): V

7.02

40000

30000

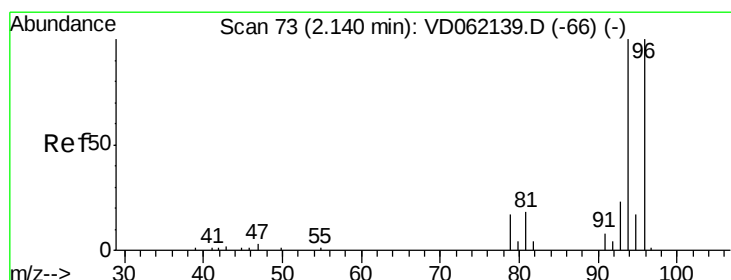
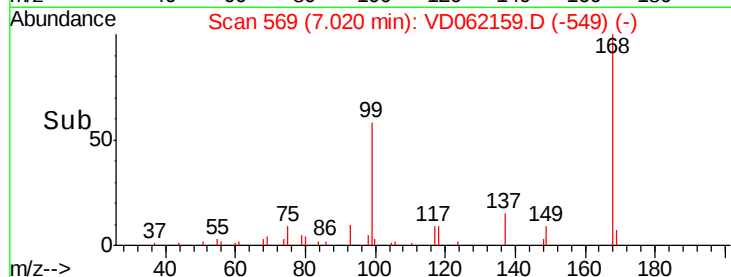
20000

10000

0

6.90 7.00 7.10 7.20

Time-->



#5

Bromomethane

Concen: 3.108 ug/l

RT: 2.12 min Scan# 71

Delta R.T. -0.02 min

Lab File: VD062159.D

Acq: 8 May 2019 4:45

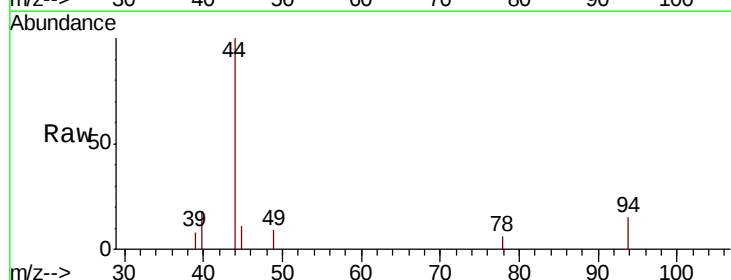
Tgt Ion: 94 Resp: 558

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): V

Ion 96.00 (95.70 to 96.70): V

Ion 93.00 (92.70 to 93.70): V

1000

800

600

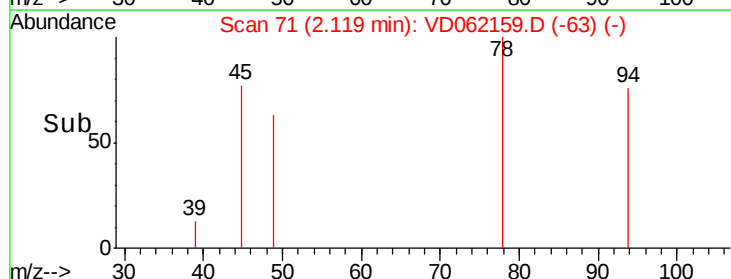
400

200

0

2.10 2.12

Time-->





#16

Acetone

Concen: 25.626 ug/l

RT: 3.20 min Scan# 181

Delta R.T. 0.01 min

Lab File: VD062159.D

Acq: 8 May 2019 4:45

Instrument :

MSVOA_D

ClientSampleId :

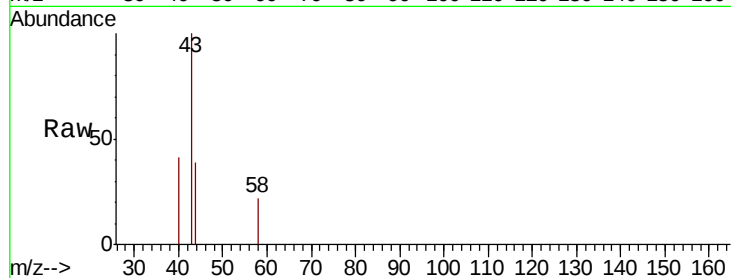
SB-03-1.0-1.5

Tot Ion: 43 Resp: 5635

Ion Ratio Lower Upper

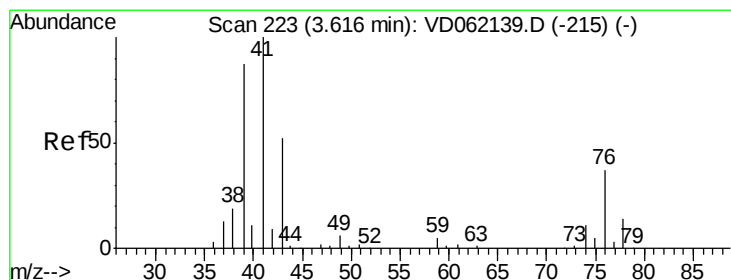
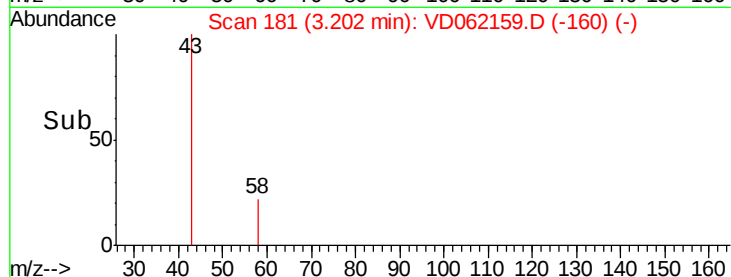
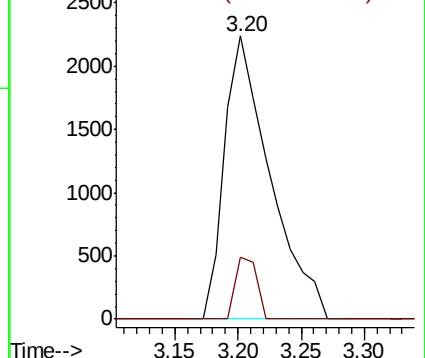
43 100

58 22.0 19.9 29.9



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC



#18

Methyl Acetate

Concen: 3.604 ug/l

RT: 3.62 min Scan# 223

Delta R.T. -0.00 min

Lab File: VD062159.D

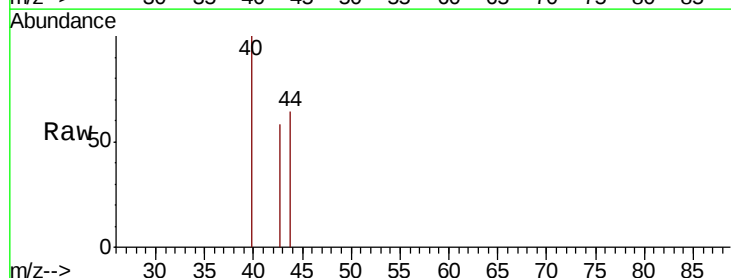
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Tgt Ion: 43 Resp: 1528

Ion Ratio Lower Upper

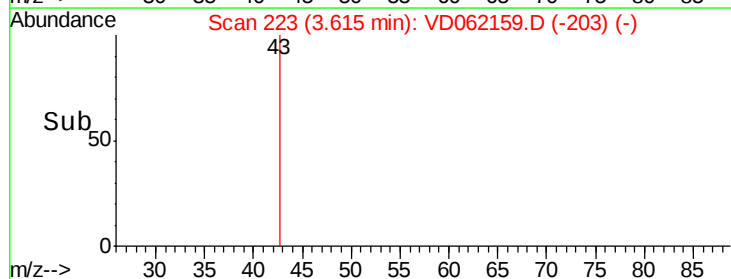
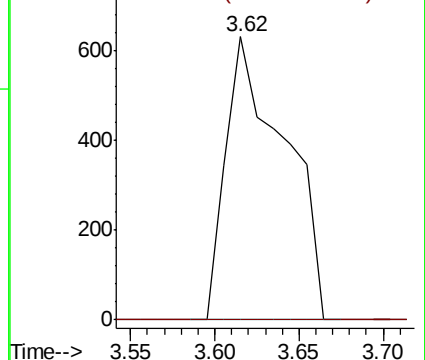
43 100

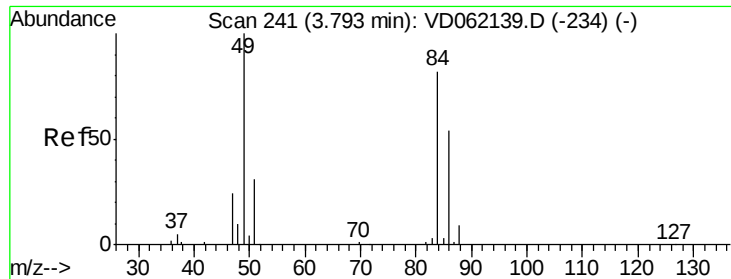
74 0.0 18.0 27.0#



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 74.00 (73.70 to 74.70): VDC

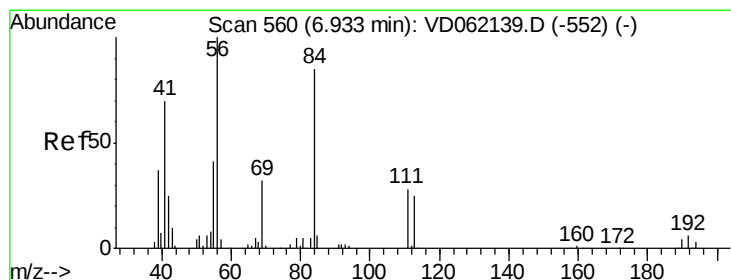
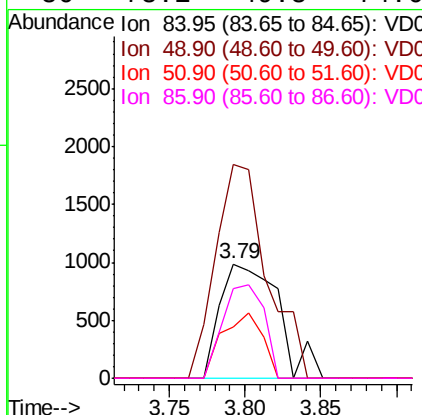
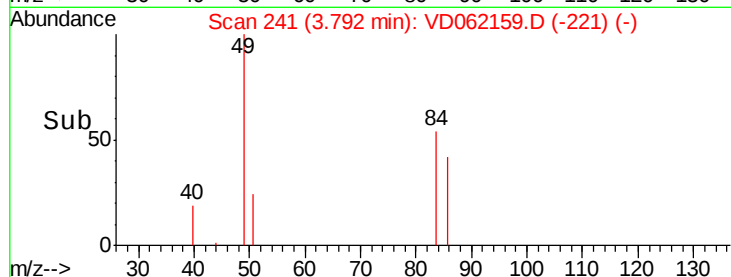
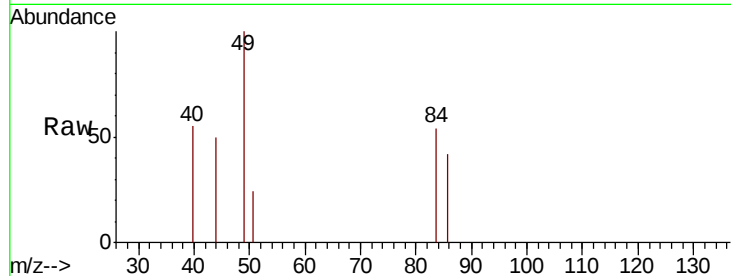




#20
Methvlene Chloride
Concen: 2.885 ug/l
RT: 3.79 min Scan# 241
Delta R.T. -0.00 min
Lab File: VD062159.D
Acq: 8 May 2019 4:45

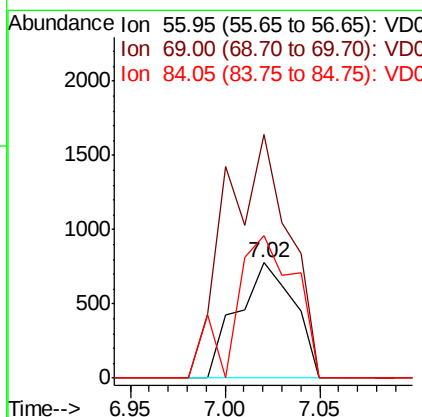
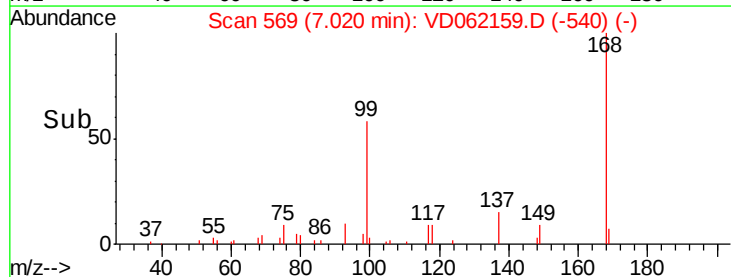
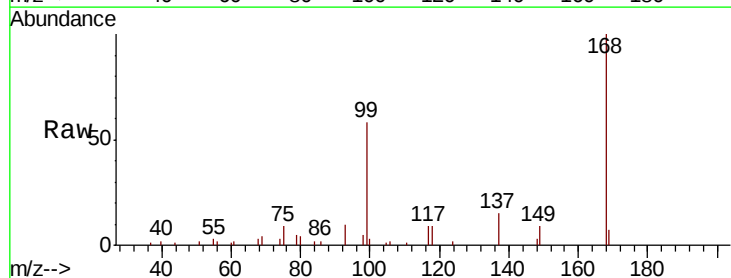
Instrument :
MSVOA_D
ClientSampleId :
SB-03-1.0-1.5

Tot Ion: 84 Resp: 2649
Ion Ratio Lower Upper
84 100
49 186.7 94.0 141.0#
51 44.4 29.0 43.4#
86 78.1 49.8 74.6#



#31
Cyclohexane
Concen: 1.471 ug/l
RT: 7.02 min Scan# 569
Delta R.T. 0.09 min
Lab File: VD062159.D
Acq: 8 May 2019 4:45

Tgt Ion: 56 Resp: 1618
Ion Ratio Lower Upper
56 100
69 211.3 25.8 38.6#
84 123.8 72.2 108.4#





#33

1,2-Dichloroethane-d4

Concen: 92.650 ug/l

RT: 7.43 min Scan# 611

Delta R.T. 0.01 min

Lab File: VD062159.D

Acq: 8 May 2019 4:45

Instrument :

MSVOA_D

ClientSampleId :

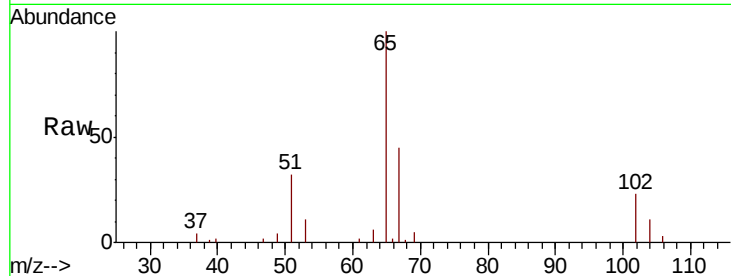
SB-03-1.0-1.5

Tot Ion: 65 Resp: 97148

Ion Ratio Lower Upper

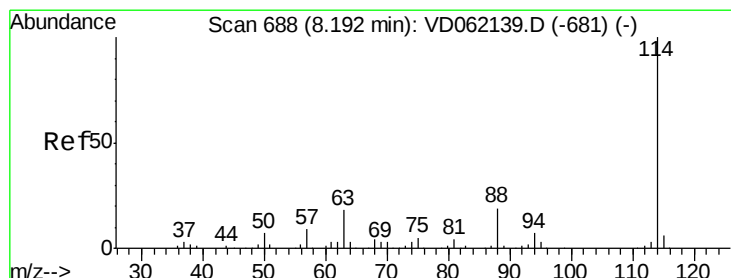
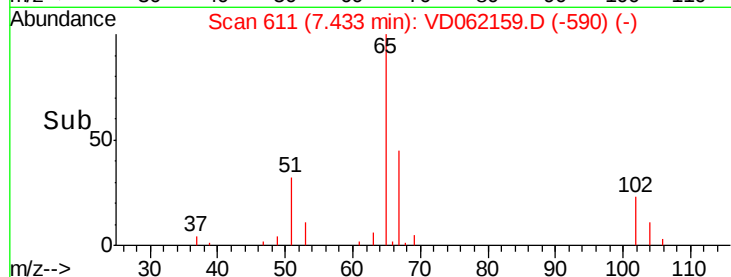
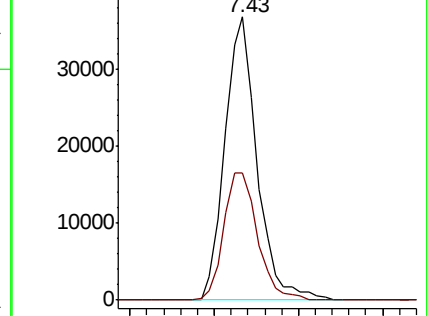
65 100

67 45.0 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: VD062159.D

Acq: 8 May 2019 4:45

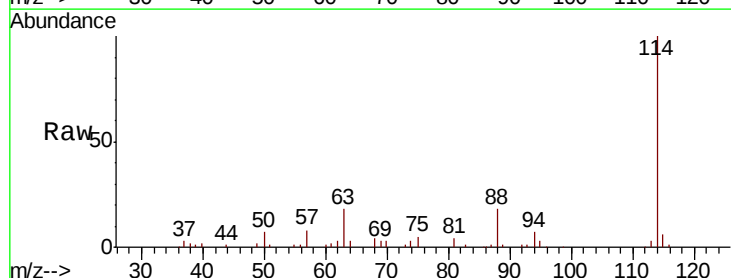
Tgt Ion: 114 Resp: 184113

Ion Ratio Lower Upper

114 100

63 18.2 0.0 32.4

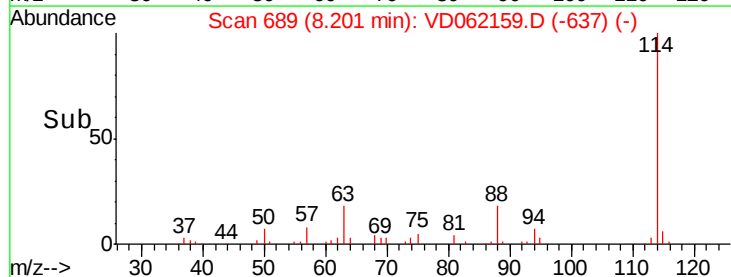
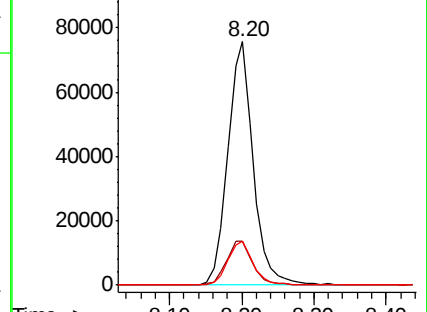
88 18.0 0.0 33.6



Abundance Ion 114.00 (113.70 to 114.70): V

Ion 62.95 (62.65 to 63.65): VDC

Ion 87.90 (87.60 to 88.60): VDC





#35

Dibromofluoromethane

Concen: 59.954 ug/l

RT: 6.90 min Scan# 557

Delta R.T. 0.01 min

Lab File: VD062159.D

Acq: 8 May 2019 4:45

Instrument :

MSVOA_D

ClientSampleId :

SB-03-1.0-1.5

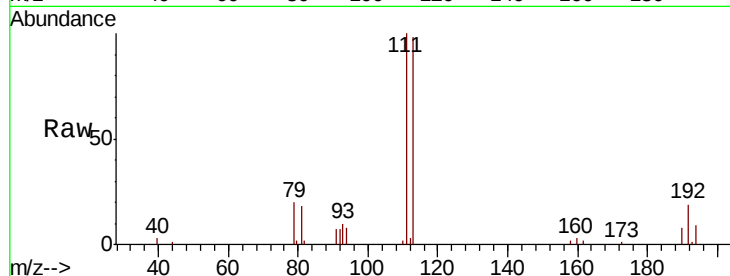
Tot Ion:113 Resp: 91586

Ion Ratio Lower Upper

113 100

111 102.2 78.5 117.7

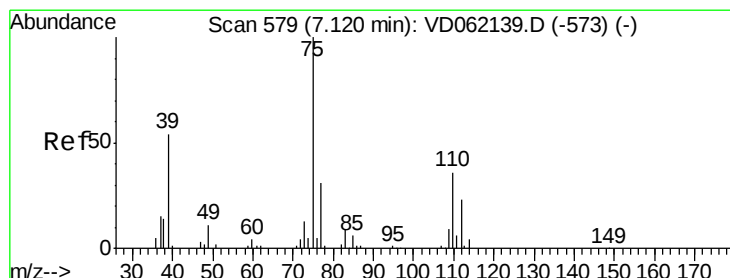
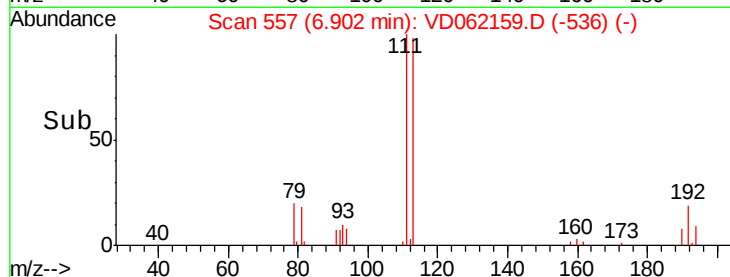
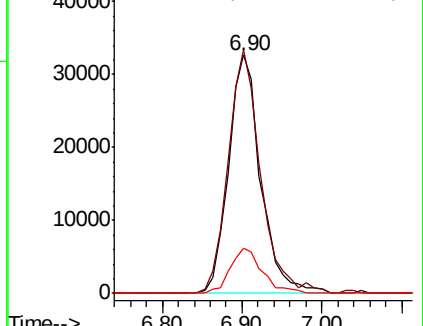
192 19.0 13.0 19.4



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: 5.245 ug/l

RT: 7.02 min Scan# 569

Delta R.T. -0.10 min

Lab File: VD062159.D

Acq: 8 May 2019 4:45

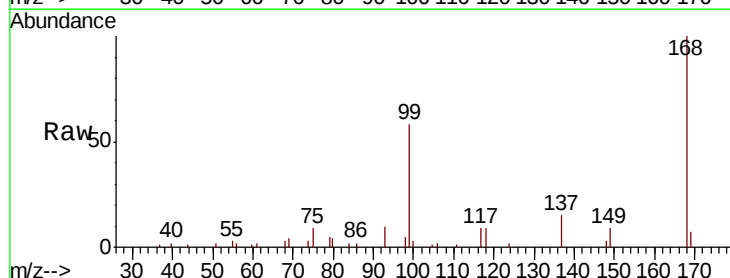
Tgt Ion: 75 Resp: 7917

Ion Ratio Lower Upper

75 100

110 11.6 19.1 57.1#

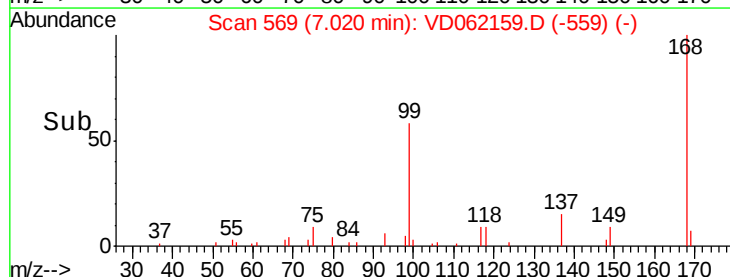
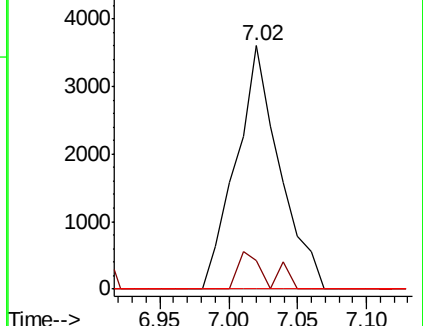
77 0.0 25.6 38.4#

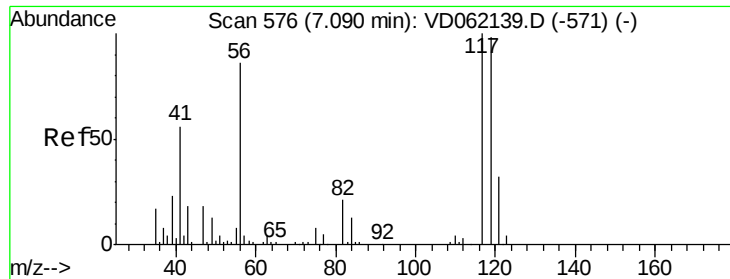


Abundance Ion 75.00 (74.70 to 75.70): V

Ion 109.90 (109.60 to 110.60): V

Ion 76.95 (76.65 to 77.65): V

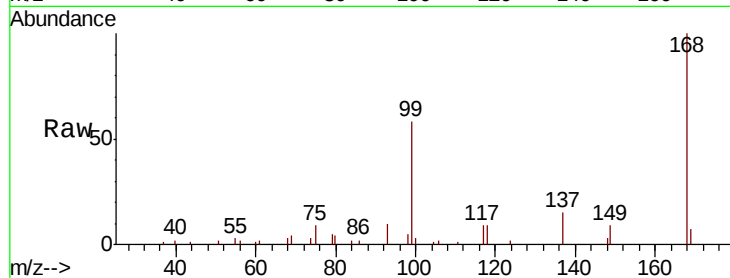




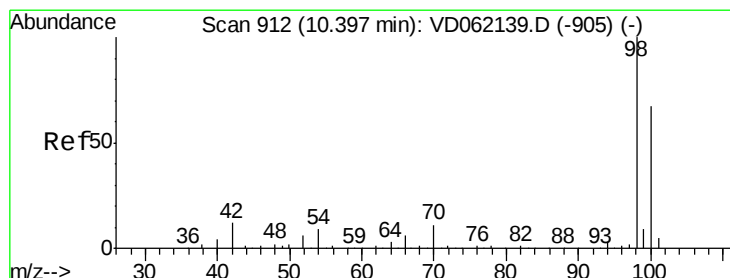
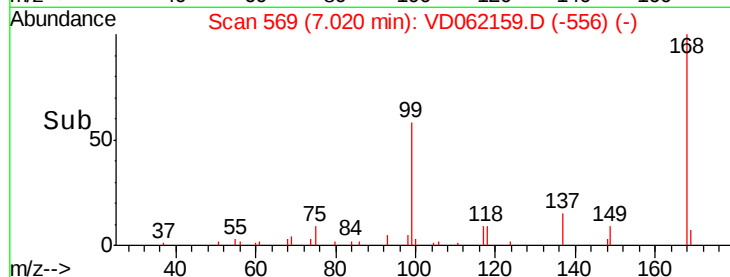
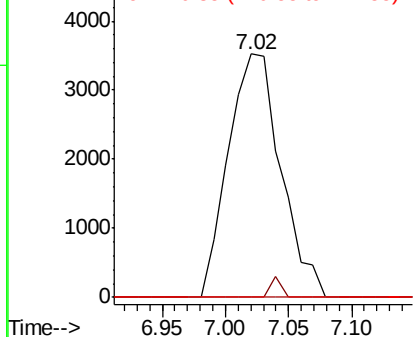
#38
Carbon Tetrachloride
Concen: 4.868 ug/l
RT: 7.02 min Scan# 569
Delta R.T. -0.07 min
Lab File: VD062159.D
Acq: 8 May 2019 4:45

Instrument :
MSVOA_D
ClientSampleId :
SB-03-1.0-1.5

Tot Ion:117 Resp: 10171
Ion Ratio Lower Upper
117 100
119 0.0 75.8 113.8#
121 0.0 25.9 38.9#

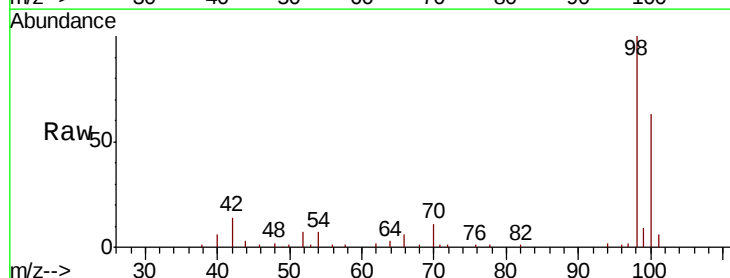


Abundance Ion 116.85 (116.55 to 117.55): V
Ion 118.85 (118.55 to 119.55): V
Ion 120.85 (120.55 to 121.55): V

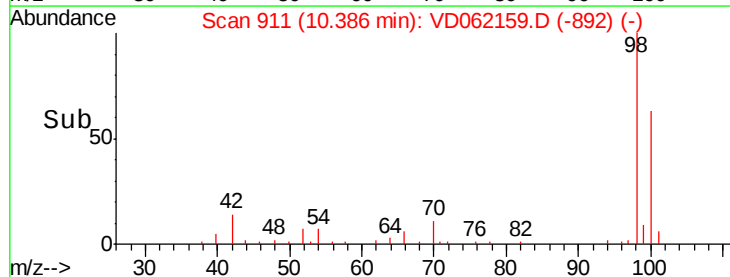
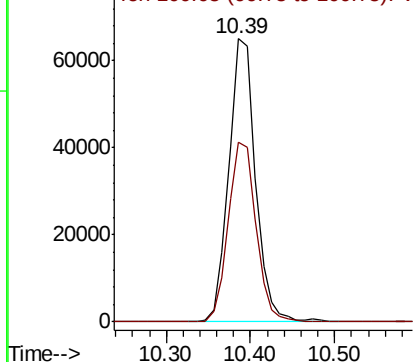


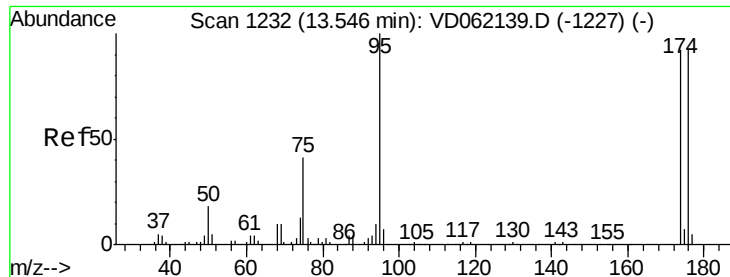
#50
Toluene-d8
Concen: 39.033 ug/l
RT: 10.39 min Scan# 911
Delta R.T. -0.01 min
Lab File: VD062159.D
Acq: 8 May 2019 4:45

Tgt Ion: 98 Resp: 143767
Ion Ratio Lower Upper
98 100
100 63.4 53.8 80.8



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





#62

4-Bromofluorobenzene

Concen: 35.389 ug/l

RT: 13.54 min Scan# 1232

Delta R.T. -0.00 min

Lab File: VD062159.D

Acq: 8 May 2019 4:45

Instrument :

MSVOA_D

ClientSampleId :

SB-03-1.0-1.5

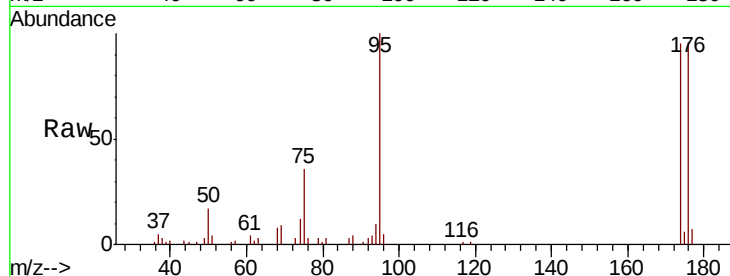
Tot Ion: 95 Resp: 52341

Ion Ratio Lower Upper

95 100

174 95.1 0.0 181.8

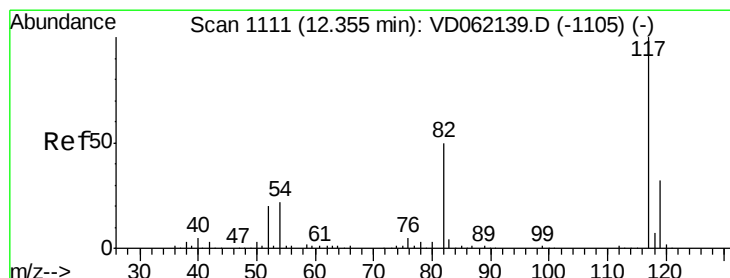
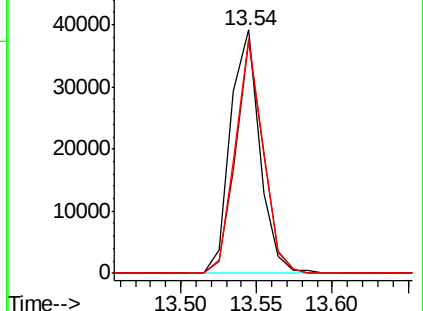
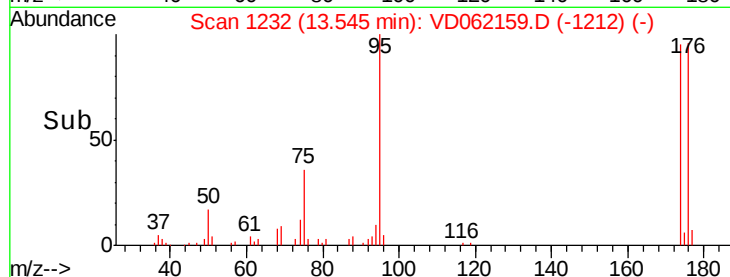
176 96.2 0.0 174.4



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: 12.35 min Scan# 1111

Delta R.T. -0.00 min

Lab File: VD062159.D

Acq: 8 May 2019 4:45

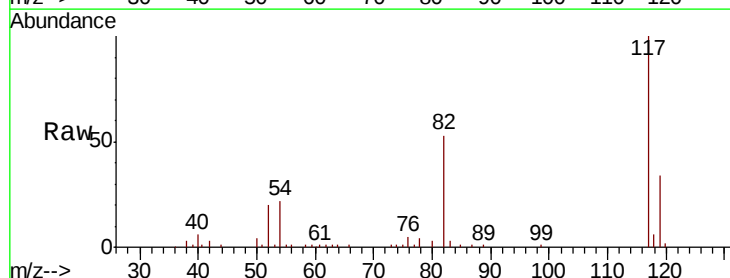
Tgt Ion: 117 Resp: 131563

Ion Ratio Lower Upper

117 100

82 52.9 36.2 54.2

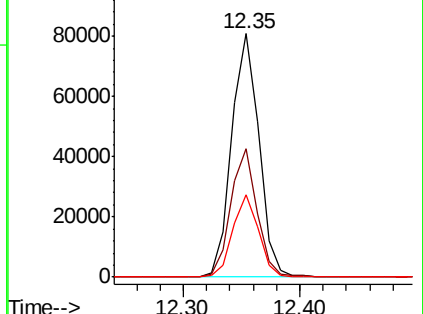
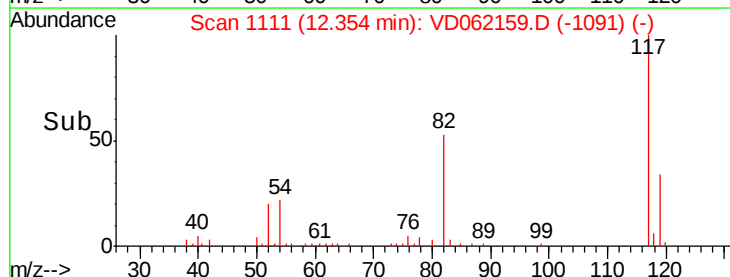
119 34.0 26.2 39.4

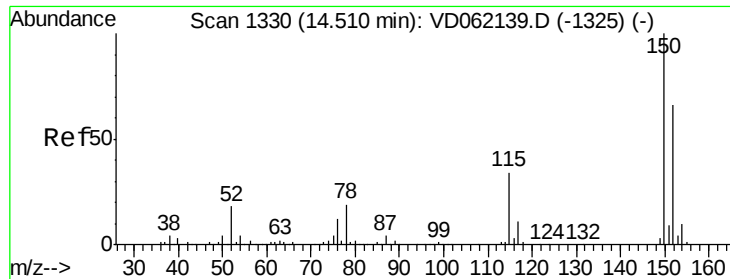


Abundance Ion 116.95 (116.65 to 117.65): V

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: VD062159.D

Acq: 8 May 2019 4:45

Instrument :

MSVOA_D

ClientSampleId :

SB-03-1.0-1.5

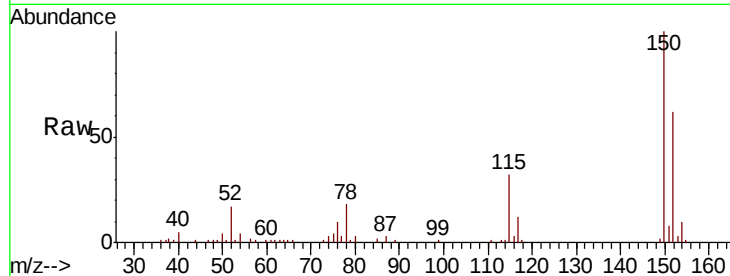
Tot Ion:152 Resp: 43218

Ion Ratio Lower Upper

152 100

115 52.7 30.9 92.7

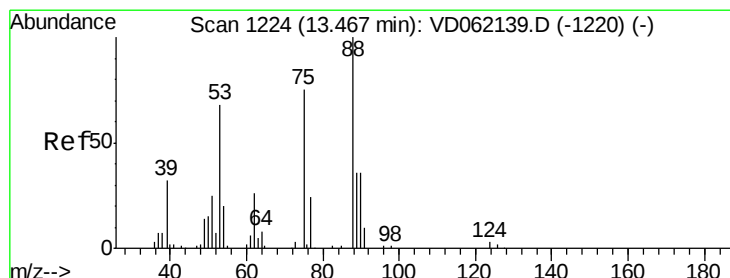
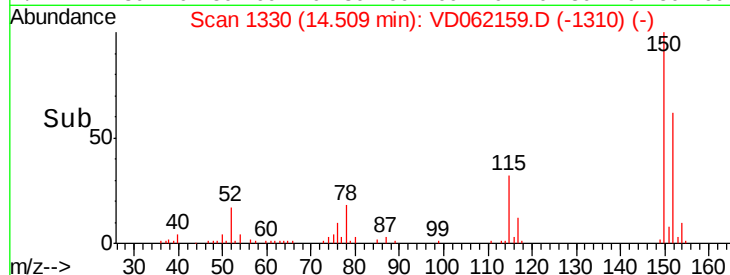
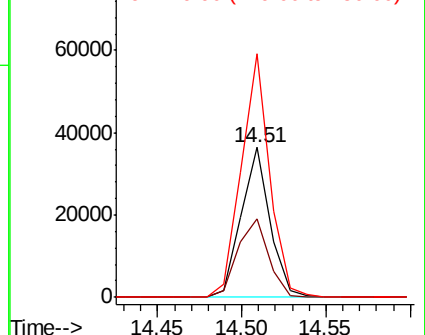
150 162.4 0.0 314.8



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: 139.315 ug/l

RT: 13.54 min Scan# 1232

Delta R.T. 0.08 min

Lab File: VD062159.D

Acq: 8 May 2019 4:45

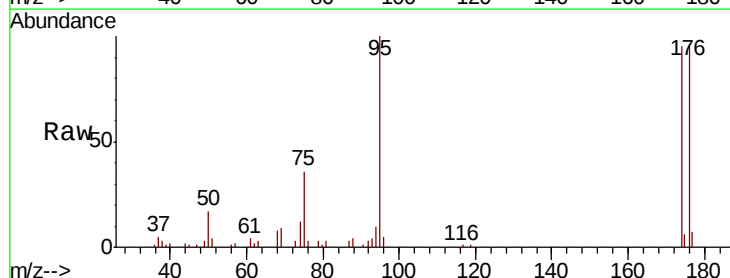
Tgt Ion: 75 Resp: 20200

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

