

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD050719\
 Data File : VD062154.D
 Acq On : 8 May 2019 2:24
 Operator : FY/SY
 Sample : K2673-13
 Misc : 5.07g/5mL/MSVOA D/SOIL
 ALS Vial : 27 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 SB-17-1.0-1.5

Quant Time: May 08 04:34:18 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	118938	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.20	114	197337	50.00	ug/l	0.01
63) Chlorobenzene-d5	12.36	117	159876	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	14.51	152	58976	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	87188	78.88	ug/l	0.00
Spiked Amount			Recovery	=	157.76%	
35) Dibromofluoromethane	6.90	113	4459	2.72	ug/l	0.01
Spiked Amount			Recovery	=	5.44%	
50) Toluene-d8	10.39	98	140692	35.64	ug/l	0.00
Spiked Amount			Recovery	=	71.28%	
62) 4-Bromofluorobenzene	13.55	95	59620	37.61	ug/l	0.00
Spiked Amount			Recovery	=	75.22%	

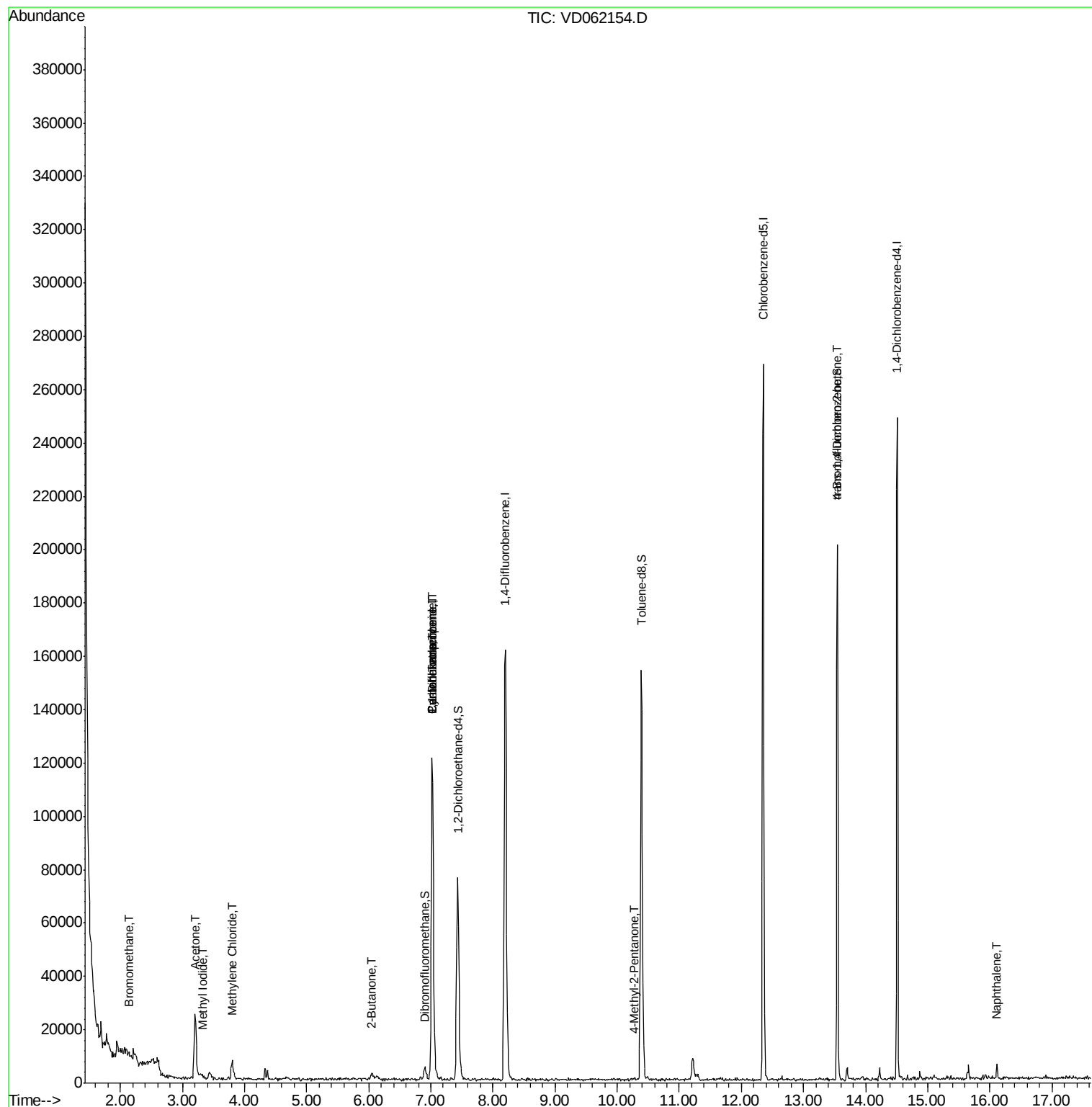
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	2.15	94	991	5.236	ug/l #	12
10) Methyl Iodide	3.31	142	2267	1.263	ug/l #	37
16) Acetone	3.20	43	47152	203.422	ug/l #	90
20) Methylene Chloride	3.80	84	4728	4.885	ug/l #	98
25) 2-Butanone	6.05	43	5706	22.568	ug/l #	56
31) Cyclohexane	7.01	56	2269	1.957	ug/l #	24
36) 1,1-Dichloropropene	7.03	75	8673	5.360	ug/l #	40
38) Carbon Tetrachloride	7.02	117	10293	4.596	ug/l #	12
51) 4-Methyl-2-Pentanone	10.29	43	1463	2.339	ug/l #	37
81) trans-1,4-Dichloro-2-buten	13.55	75	22848	115.474	ug/l #	16
95) Naphthalene	16.11	128	4331	2.863	ug/l #	92

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

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Quant Time: May 08 04:34:18 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: VD062154.D

Acq: 8 May 2019 2:24

Instrument :

MSVOA_D

ClientSampleId :

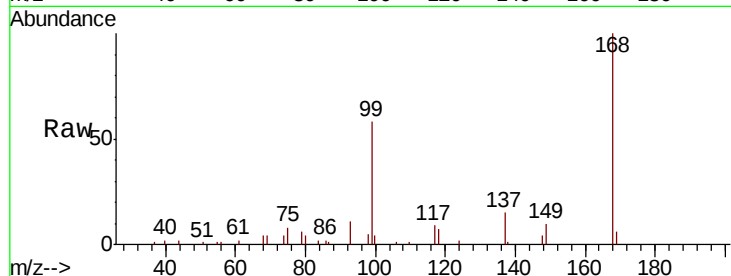
SB-17-1.0-1.5

Tot Ion:168 Resp: 118938

Ion Ratio Lower Upper

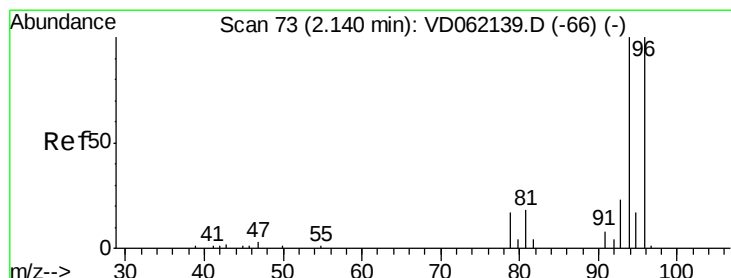
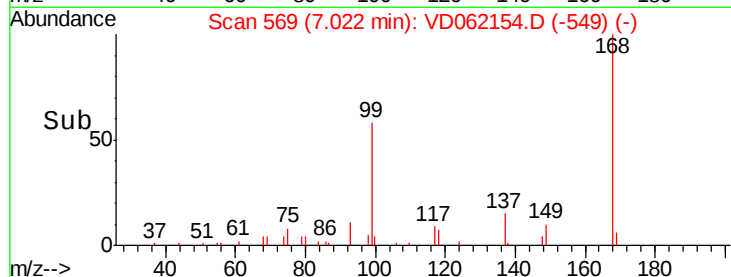
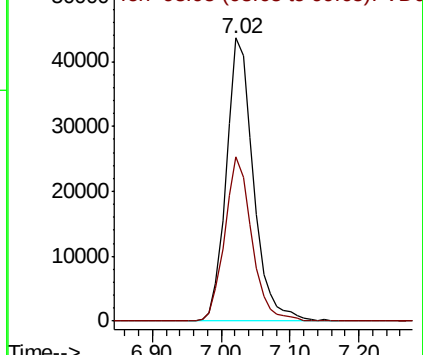
168 100

99 58.0 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: 5.236 ug/l

RT: 2.15 min Scan# 74

Delta R.T. 0.01 min

Lab File: VD062154.D

Acq: 8 May 2019 2:24

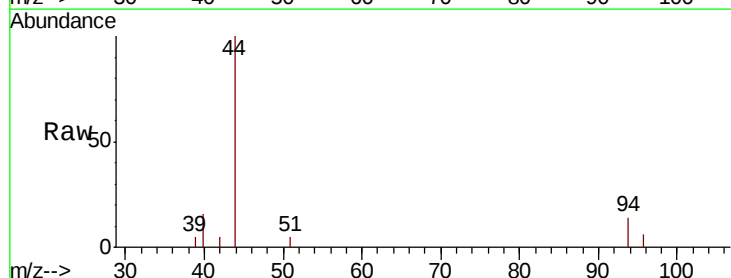
Tgt Ion: 94 Resp: 991

Ion Ratio Lower Upper

94 100

96 0.0 76.6 115.0#

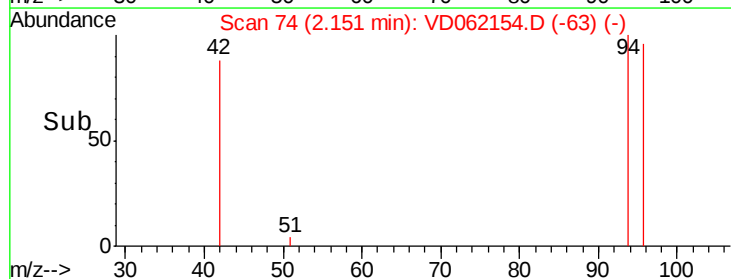
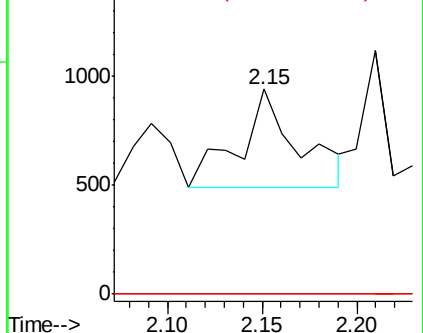
93 0.0 18.5 27.7#

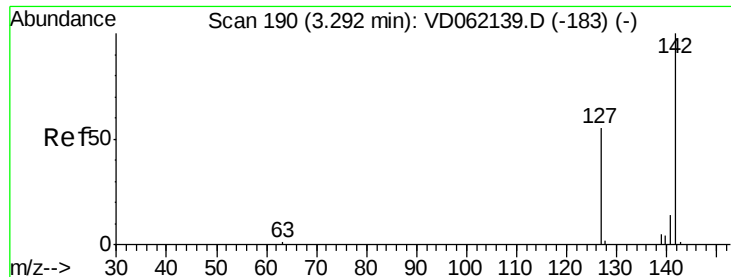


Abundance Ion 94.00 (93.70 to 94.70): VDC

Ion 96.00 (95.70 to 96.70): VDC

Ion 93.00 (92.70 to 93.70): VDC

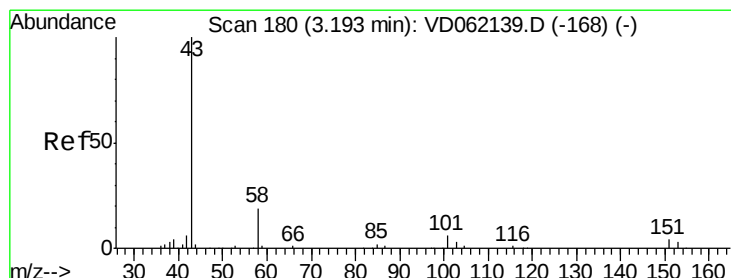
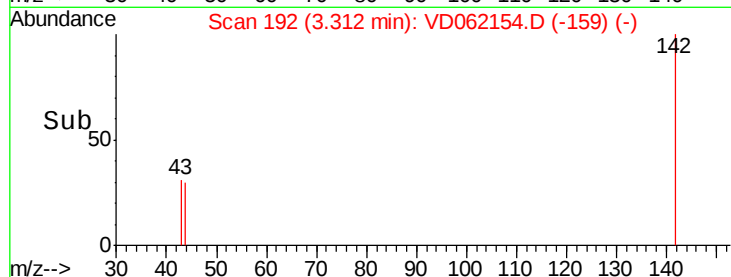
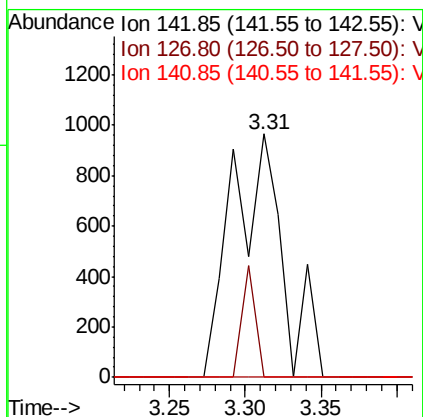
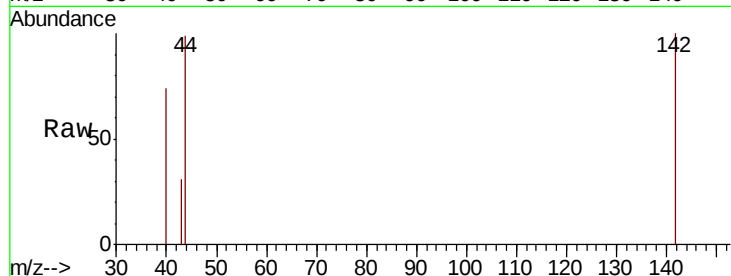




#10
Methyl Iodide
Concen: 1.263 ug/l
RT: 3.31 min Scan# 192
Delta R.T. 0.02 min
Lab File: VD062154.D
Acq: 8 May 2019 2:24

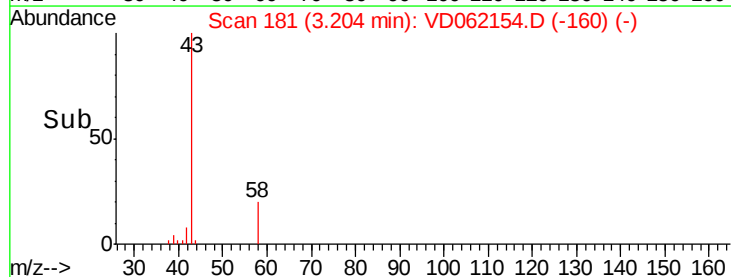
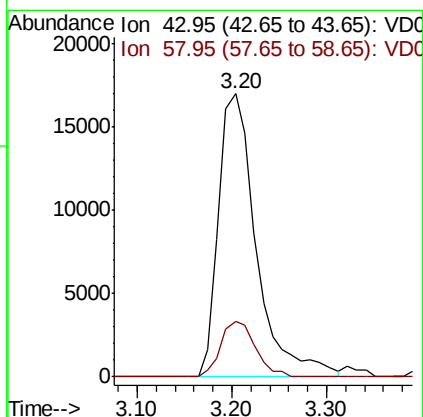
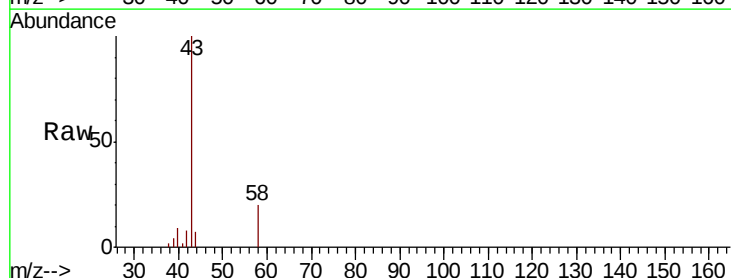
Instrument :
MSVOA_D
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SB-17-1.0-1.5

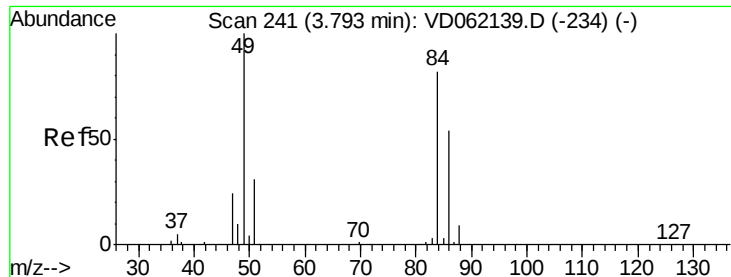
Tot Ion:142 Resp: 2267
Ion Ratio Lower Upper
142 100
127 0.0 38.8 58.2#
141 0.0 11.4 17.0#



#16
Acetone
Concen: 203.422 ug/l
RT: 3.20 min Scan# 181
Delta R.T. 0.01 min
Lab File: VD062154.D
Acq: 8 May 2019 2:24

Tgt Ion: 43 Resp: 47152
Ion Ratio Lower Upper
43 100
58 19.8 19.9 29.9#

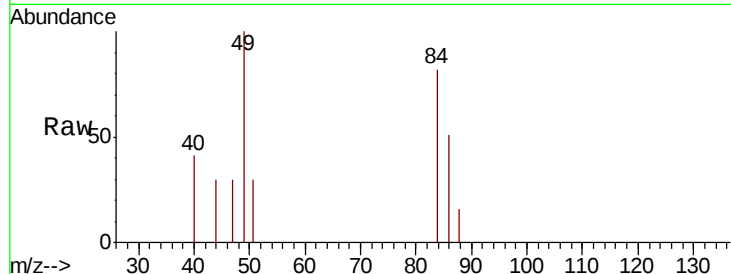




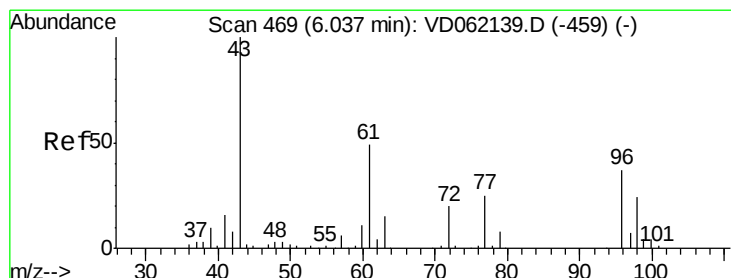
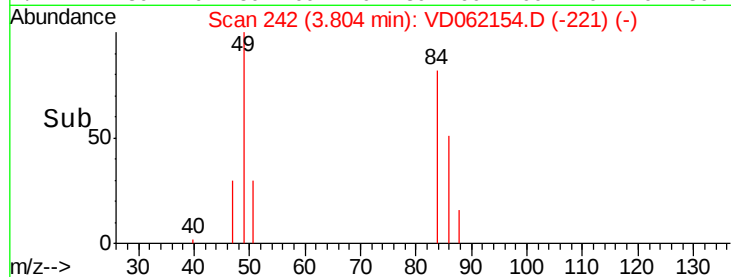
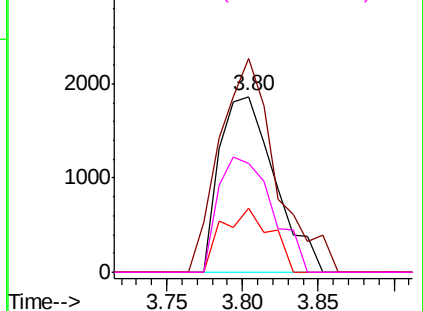
#20
Methylene Chloride
Concen: 4.885 ug/l
RT: 3.80 min Scan# 242
Delta R.T. 0.01 min
Lab File: VD062154.D
Acq: 8 May 2019 2:24

Instrument :
MSVOA_D
ClientSampleId :
SB-17-1.0-1.5

Tot Ion: 84 Resp: 4728
Ion Ratio Lower Upper
84 100
49 121.4 94.0 141.0
51 36.7 29.0 43.4
86 61.9 49.8 74.6

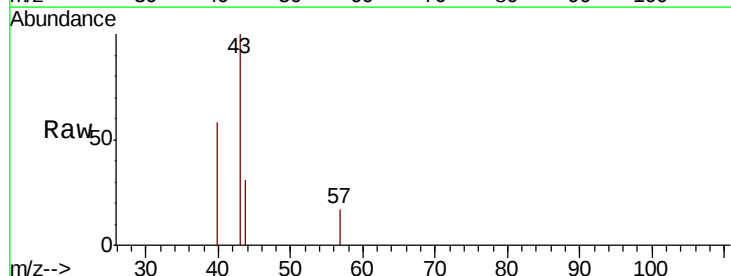


Abundance Ion 83.95 (83.65 to 84.65): VDC
Ion 48.90 (48.60 to 49.60): VDC
Ion 50.90 (50.60 to 51.60): VDC
Ion 85.90 (85.60 to 86.60): VDC

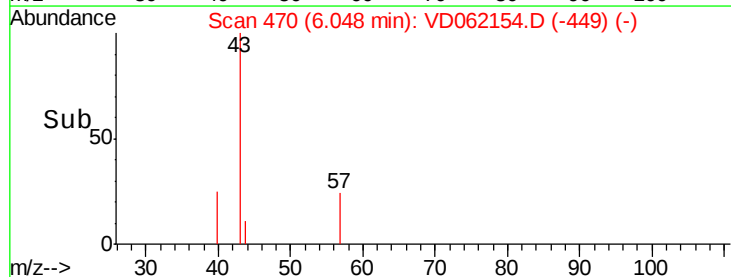
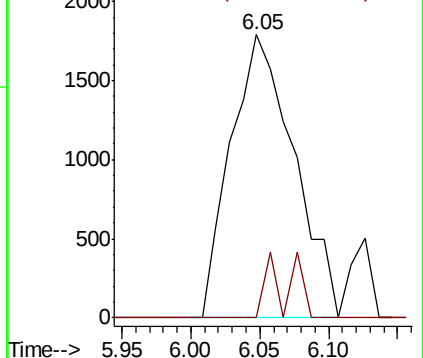


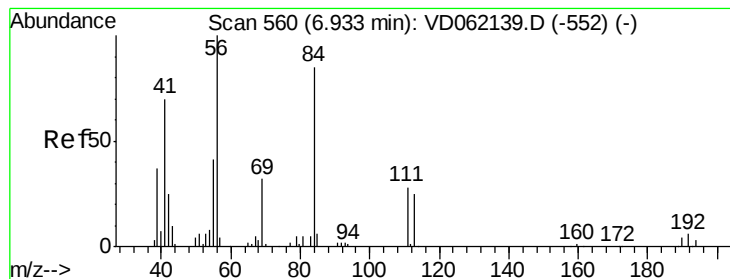
#25
2-Butanone
Concen: 22.568 ug/l
RT: 6.05 min Scan# 470
Delta R.T. 0.01 min
Lab File: VD062154.D
Acq: 8 May 2019 2:24

Tgt Ion: 43 Resp: 5706
Ion Ratio Lower Upper
43 100
72 0.0 16.2 24.4#



Abundance Ion 42.95 (42.65 to 43.65): VDC
Ion 72.00 (71.70 to 72.70): VDC





#31

Cyclohexane

Concen: 1.957 ug/l

RT: 7.01 min Scan# 568

Delta R.T. 0.08 min

Lab File: VD062154.D

Acq: 8 May 2019 2:24

Instrument :

MSVOA_D

ClientSampleID :

SB-17-1.0-1.5

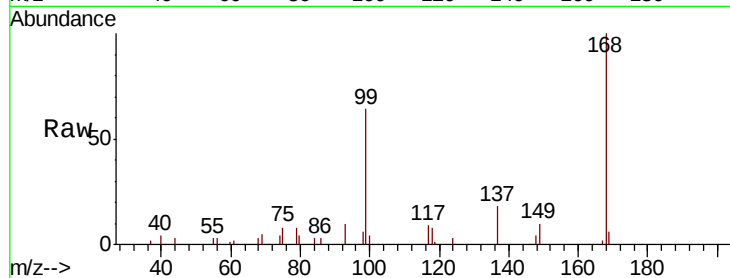
Tot Ion: 56 Resp: 2269

Ion Ratio Lower Upper

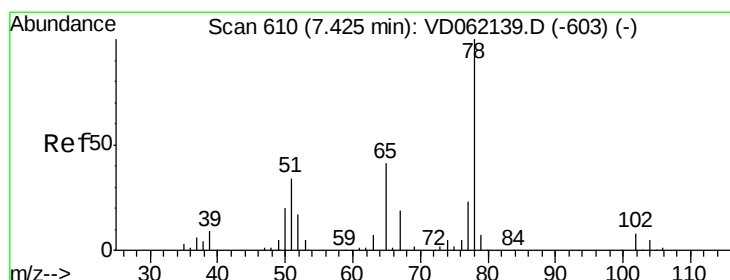
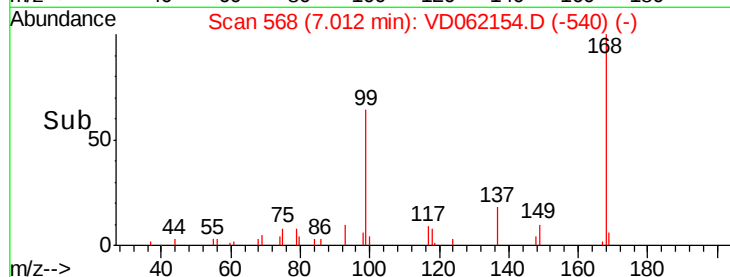
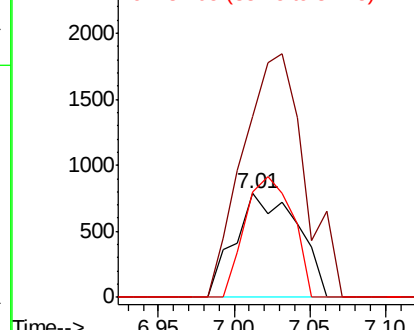
56 100

69 174.4 25.8 38.6#

84 101.6 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: 78.881 ug/l

RT: 7.43 min Scan# 610

Delta R.T. 0.00 min

Lab File: VD062154.D

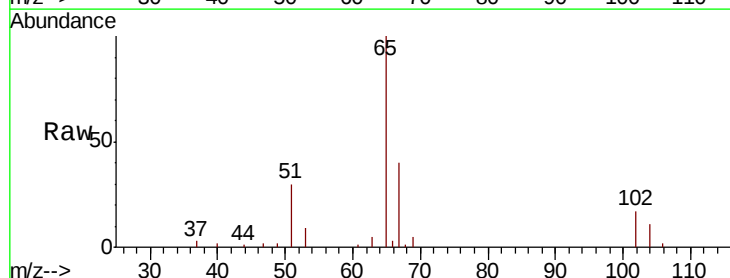
Acq: 8 May 2019 2:24

Tgt Ion: 65 Resp: 87188

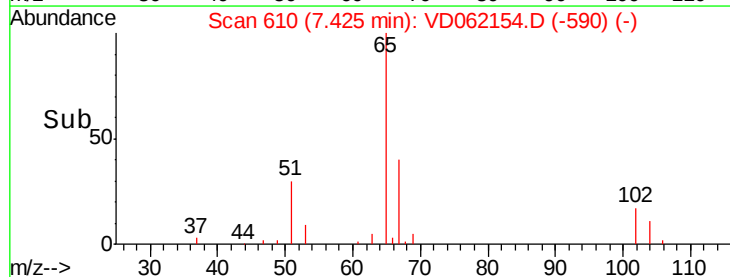
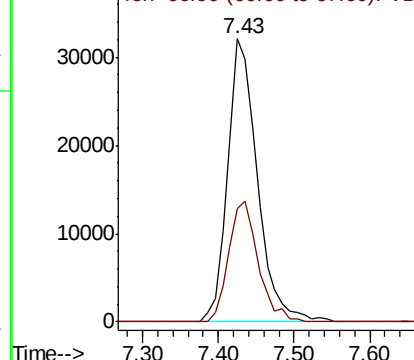
Ion Ratio Lower Upper

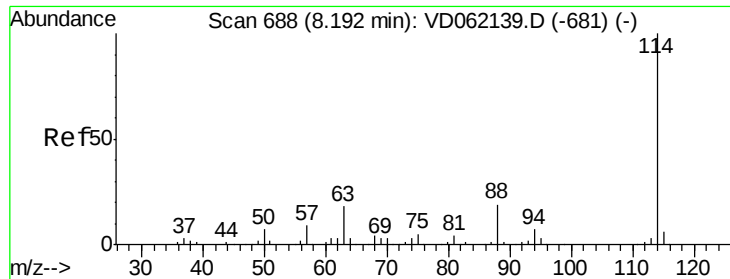
65 100

67 40.1 0.0 98.0



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

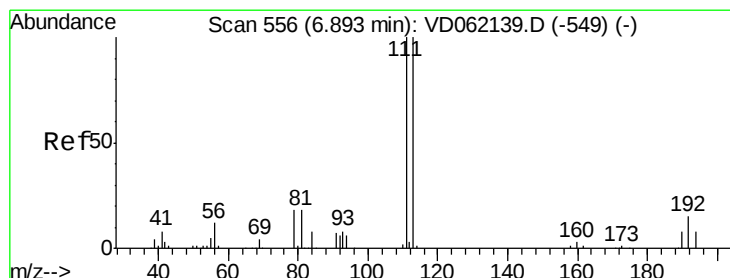
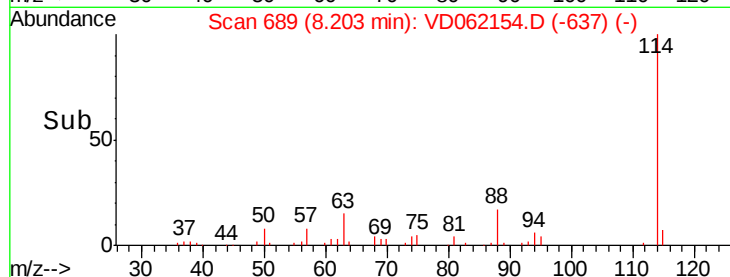
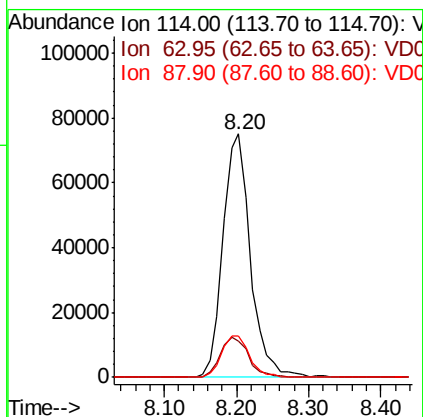
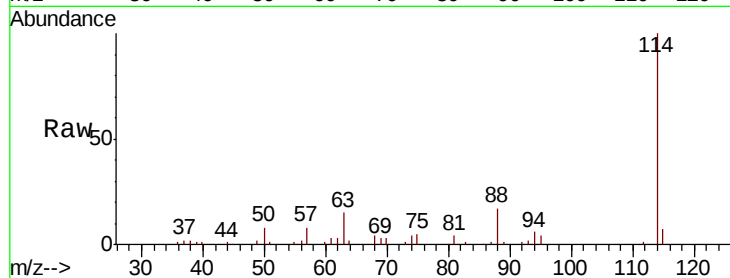




#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.20 min Scan# 689
 Delta R.T. 0.01 min
 Lab File: VD062154.D
 Acq: 8 May 2019 2:24

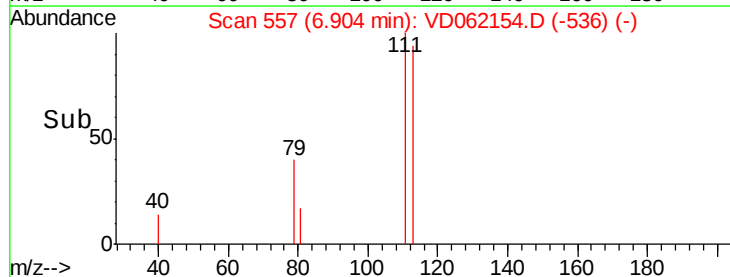
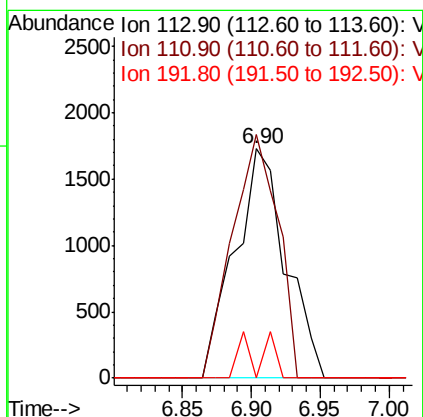
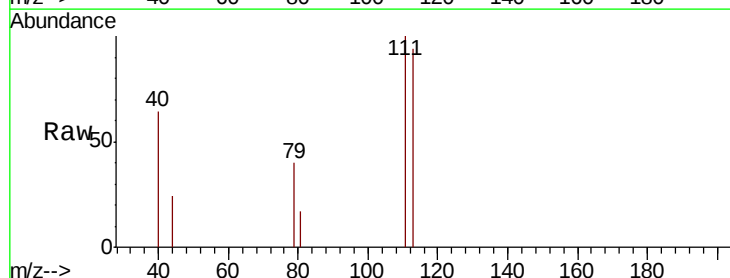
Instrument :
 MSVOA_D
 ClientSampleId :
 SB-17-1.0-1.5

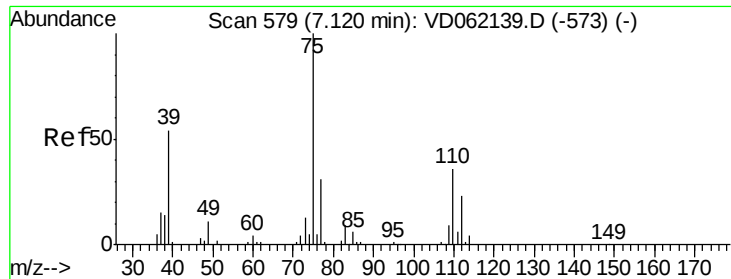
Tot Ion:114 Resp: 197337
 Ion Ratio Lower Upper
 114 100
 63 14.9 0.0 32.4
 88 16.9 0.0 33.6



#35
 Dibromofluoromethane
 Concen: 2.723 ug/l
 RT: 6.90 min Scan# 557
 Delta R.T. 0.01 min
 Lab File: VD062154.D
 Acq: 8 May 2019 2:24

Tgt Ion:113 Resp: 4459
 Ion Ratio Lower Upper
 113 100
 111 106.2 78.5 117.7
 192 0.0 13.0 19.4#





#36

1,1-Dichloropropene

Concen: 5.360 ug/l

RT: 7.03 min Scan# 570

Delta R.T. -0.09 min

Lab File: VD062154.D

Acq: 8 May 2019 2:24

Instrument :

MSVOA_D

ClientSampleId :

SB-17-1.0-1.5

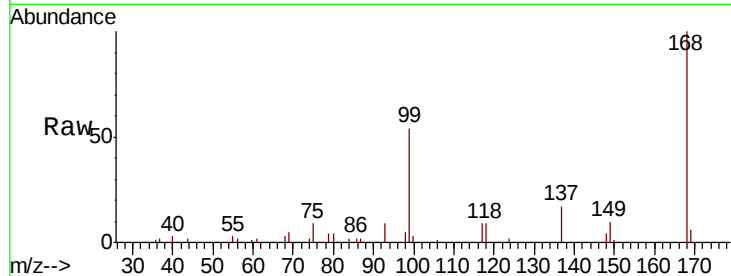
Tot Ion: 75 Resp: 8673

Ion Ratio Lower Upper

75 100

110 0.0 19.1 57.1#

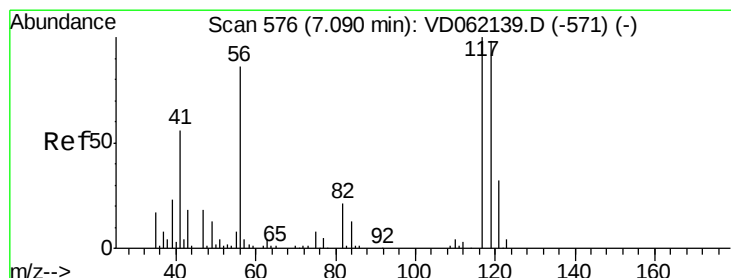
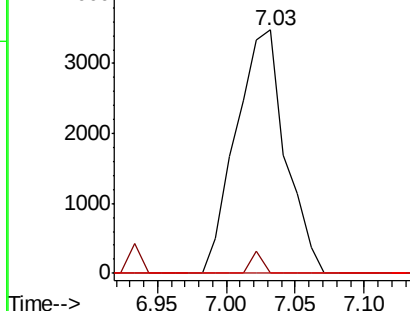
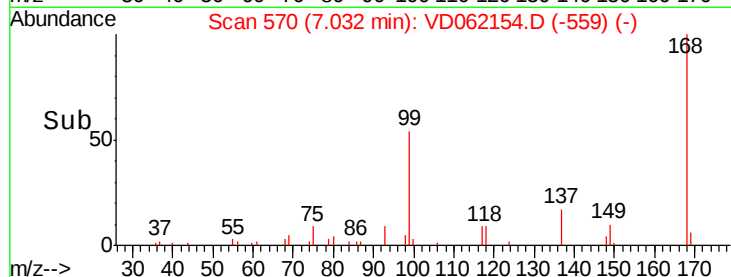
77 0.0 25.6 38.4#



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: 4.596 ug/l

RT: 7.02 min Scan# 569

Delta R.T. -0.07 min

Lab File: VD062154.D

Acq: 8 May 2019 2:24

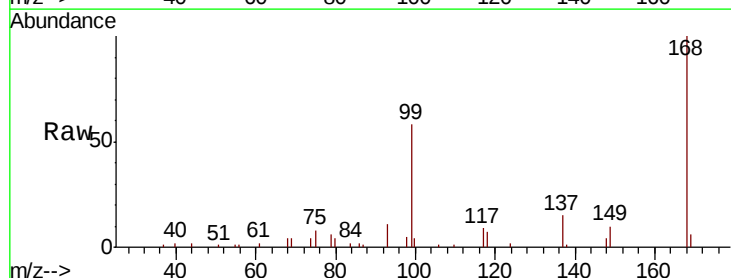
Tgt Ion: 117 Resp: 10293

Ion Ratio Lower Upper

117 100

119 0.0 75.8 113.8#

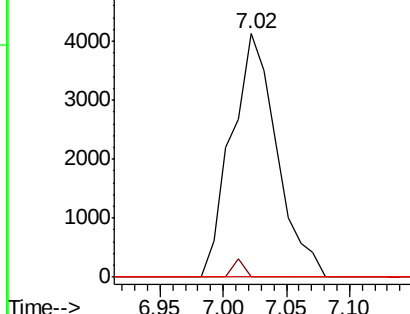
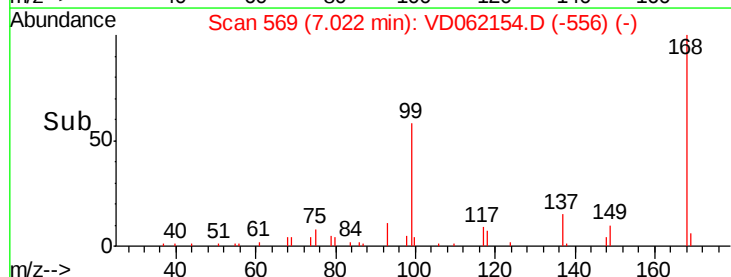
121 0.0 25.9 38.9#

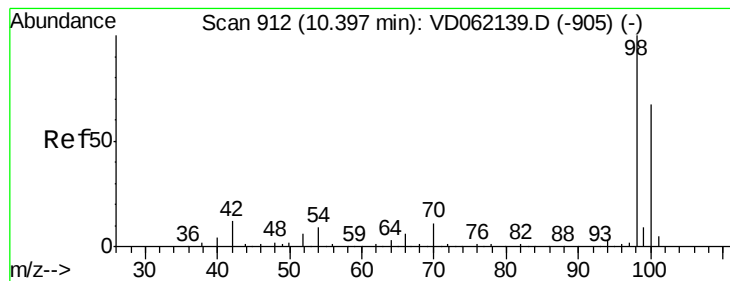


Abundance Ion 116.85 (116.55 to 117.55): V

Ion 118.85 (118.55 to 119.55): V

Ion 120.85 (120.55 to 121.55): V





#50

Toluene-d8

Concen: 35.639 ug/l

RT: 10.39 min Scan# 911

Delta R.T. -0.01 min

Lab File: VD062154.D

Acq: 8 May 2019 2:24

Instrument :

MSVOA_D

ClientSampleId :

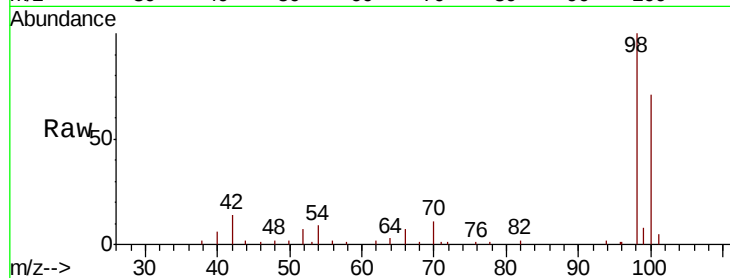
SB-17-1.0-1.5

Tot Ion: 98 Resp: 140692

Ion Ratio Lower Upper

98 100

100 71.2 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) (-)

10.39

60000

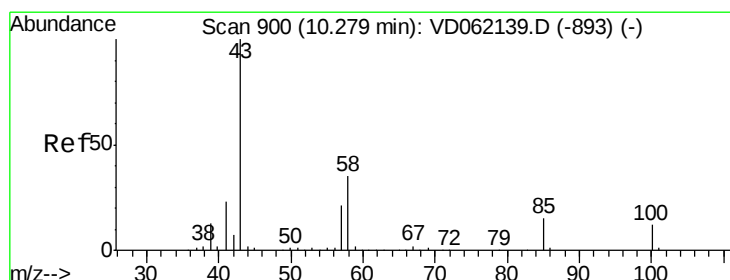
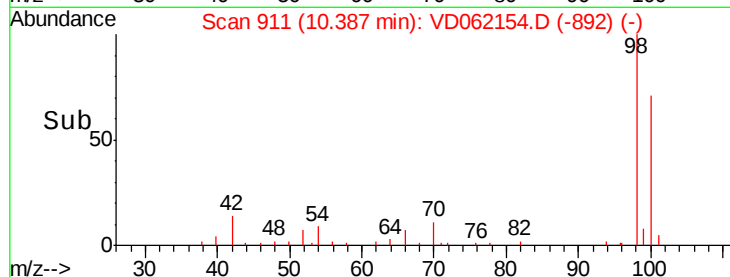
40000

20000

0

10.30 10.40 10.50

Time-->



#51

4-Methyl-2-Pentanone

Concen: 2.339 ug/l

RT: 10.29 min Scan# 901

Delta R.T. 0.01 min

Lab File: VD062154.D

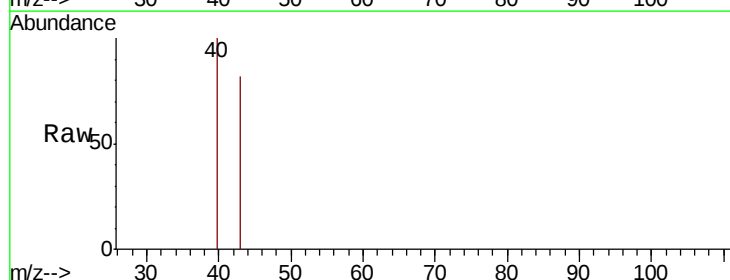
Acq: 8 May 2019 2:24

Tgt Ion: 43 Resp: 1463

Ion Ratio Lower Upper

43 100

58 0.0 30.4 45.6#



Abundance Ion 42.95 (42.65 to 43.65): VD062139.D (-893) (-)

Ion 57.95 (57.65 to 58.65): VD062139.D (-893) (-)

10.29

800

600

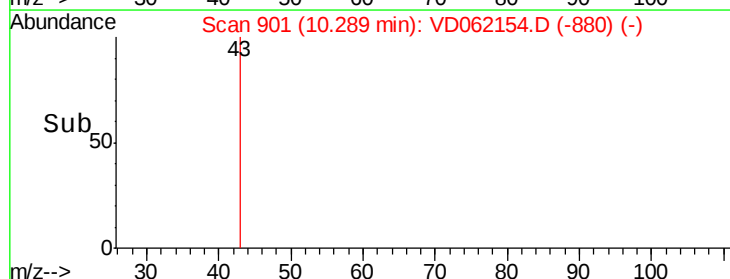
400

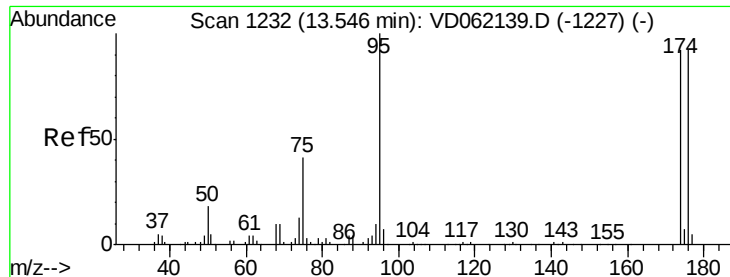
200

0

10.25 10.30

Time-->





#62

4-Bromofluorobenzene

Concen: 37.609 ug/l

RT: 13.55 min Scan# 1232

Delta R.T. 0.00 min

Lab File: VD062154.D

Acq: 8 May 2019 2:24

Instrument :

MSVOA_D

ClientSampleId :

SB-17-1.0-1.5

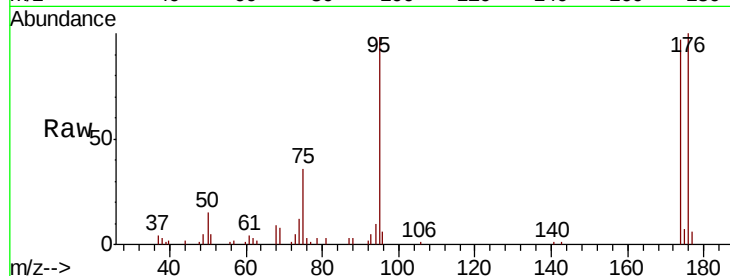
Tot Ion: 95 Resp: 59620

Ion Ratio Lower Upper

95 100

174 98.7 0.0 181.8

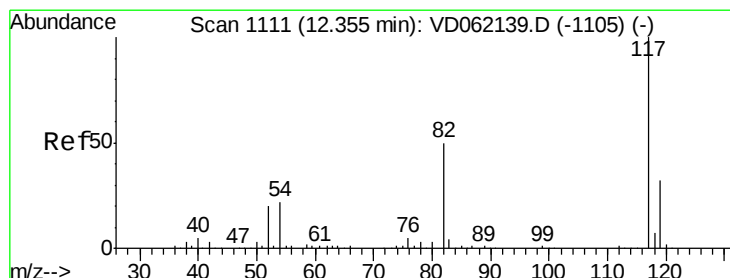
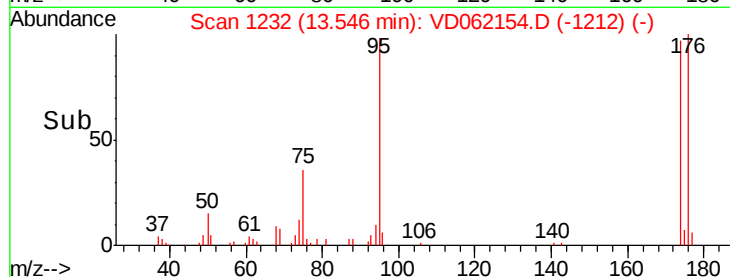
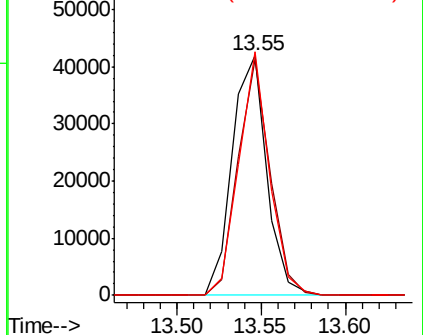
176 101.7 0.0 174.4



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: 12.36 min Scan# 1111

Delta R.T. 0.00 min

Lab File: VD062154.D

Acq: 8 May 2019 2:24

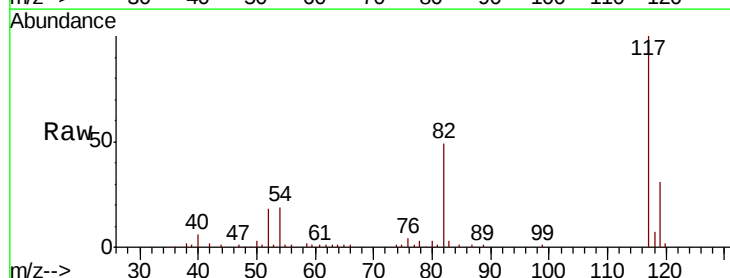
Tgt Ion: 117 Resp: 159876

Ion Ratio Lower Upper

117 100

82 49.4 36.2 54.2

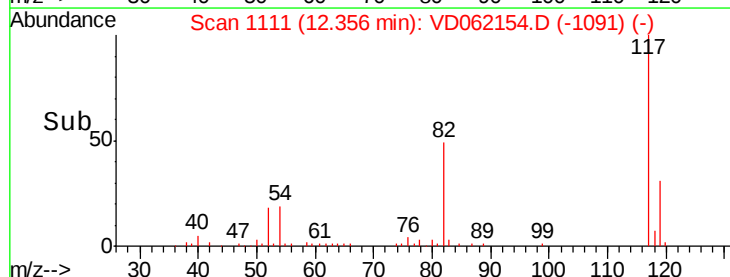
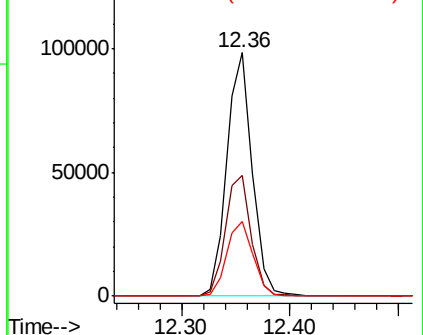
119 30.8 26.2 39.4

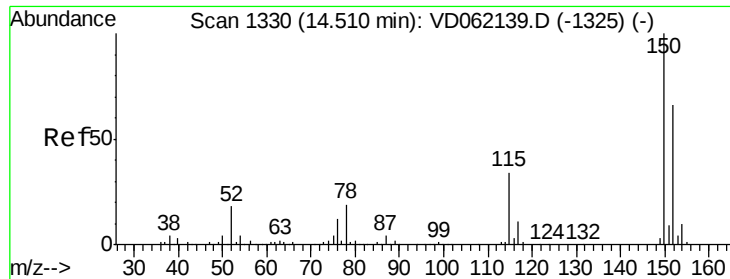


Abundance Ion 116.95 (116.65 to 117.65): V

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: VD062154.D

Acq: 8 May 2019 2:24

Instrument :

MSVOA_D

ClientSampleId :

SB-17-1.0-1.5

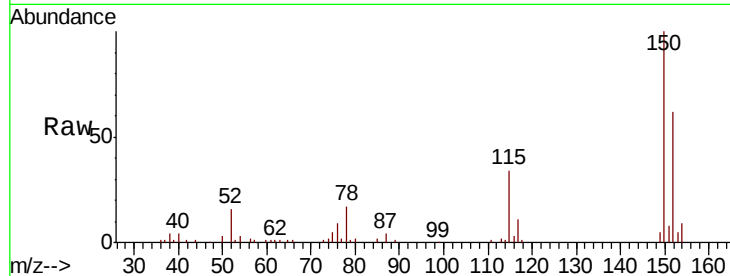
Tot Ion:152 Resp: 58976

Ion Ratio Lower Upper

152 100

115 54.0 30.9 92.7

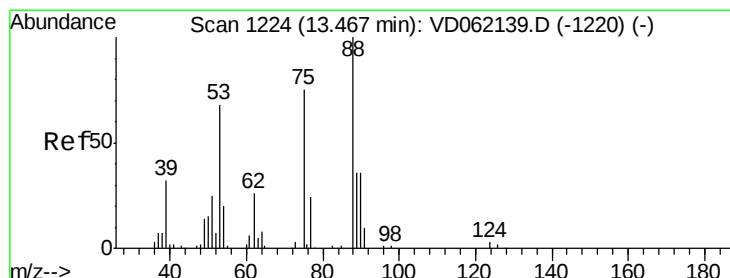
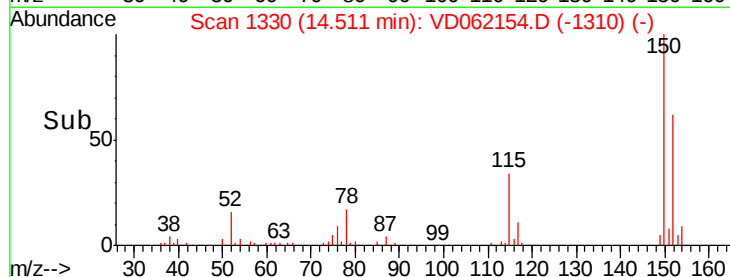
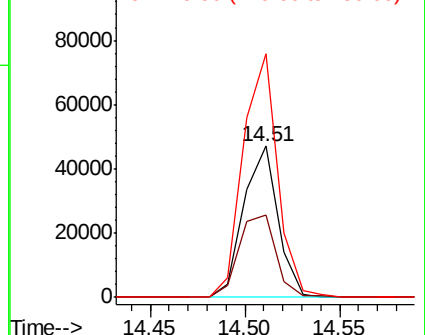
150 161.0 0.0 314.8



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: 115.474 ug/l

RT: 13.55 min Scan# 1232

Delta R.T. 0.08 min

Lab File: VD062154.D

Acq: 8 May 2019 2:24

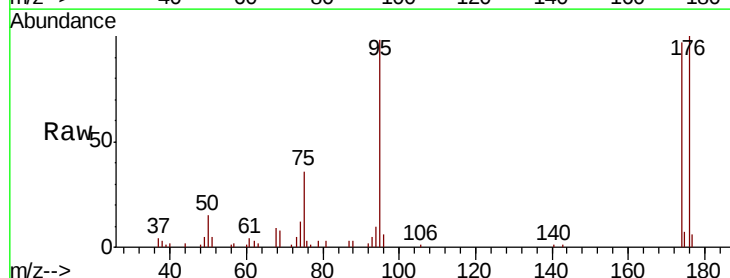
Tgt Ion: 75 Resp: 22848

Ion Ratio Lower Upper

75 100

53 0.0 65.8 98.8#

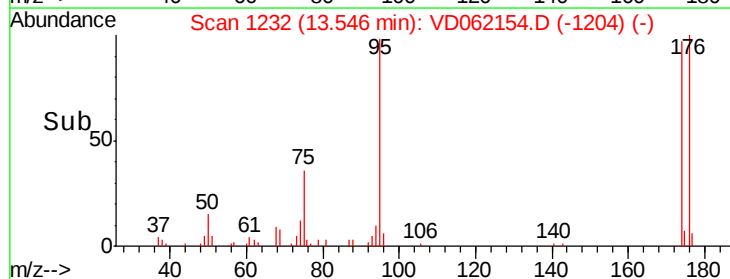
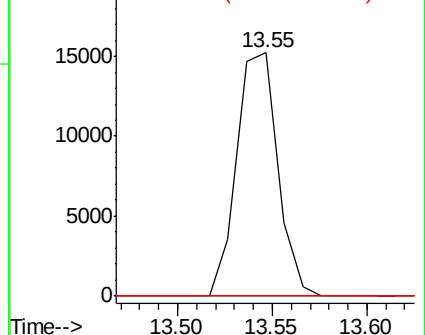
89 0.0 35.0 52.6#

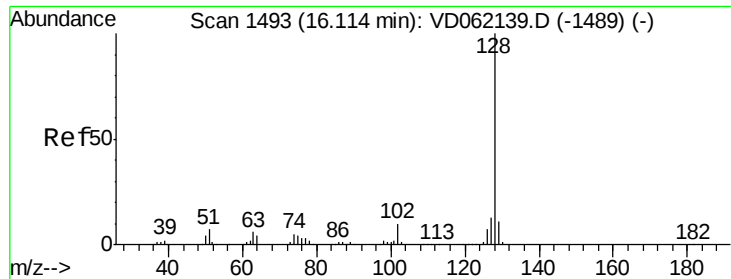


Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 53.00 (52.70 to 53.70): VDC

Ion 89.00 (88.70 to 89.70): VDC





#95
Naphthalene
Concen: 2.863 ug/l
RT: 16.11 min Scan# 1493
Delta R.T. 0.00 min
Lab File: VD062154.D
Acq: 8 May 2019 2:24

Instrument :
MSVOA_D
ClientSampleId :
SB-17-1.0-1.5

Tot Ion	Ratio	Lower	Upper
128	100		
127	7.9	9.8	14.8#
129	12.6	8.8	13.2

