

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD051319\
 Data File : VD062302.D
 Acq On : 13 May 2019 14:03
 Operator : FY/SY
 Sample : K2718-19RE
 Misc : 5.46g/5mL/MSVOA D/SOIL
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 P026-SS007-1218-01RE

Quant Time: May 14 05:09:37 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	7.07	168	52745	50.00	ug/l	0.05
34) 1,4-Difluorobenzene	8.23	114	99812	50.00	ug/l	0.04
63) Chlorobenzene-d5	12.37	117	105972	50.00	ug/l	0.02
72) 1,4-Dichlorobenzene-d4	14.52	152	56240	50.00	ug/l	0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	7.47	65	50151	102.31	ug/l	0.05
Spiked Amount				50.000		
			Recovery	=	204.62%	
35) Dibromofluoromethane	6.94	113	42920	51.83	ug/l	0.05
Spiked Amount				50.000		
			Recovery	=	103.66%	
50) Toluene-d8	10.43	98	74438	37.28	ug/l	0.03
Spiked Amount				50.000		
			Recovery	=	74.56%	
62) 4-Bromofluorobenzene	13.57	95	39309	49.02	ug/l	0.02
Spiked Amount				50.000		
			Recovery	=	98.04%	

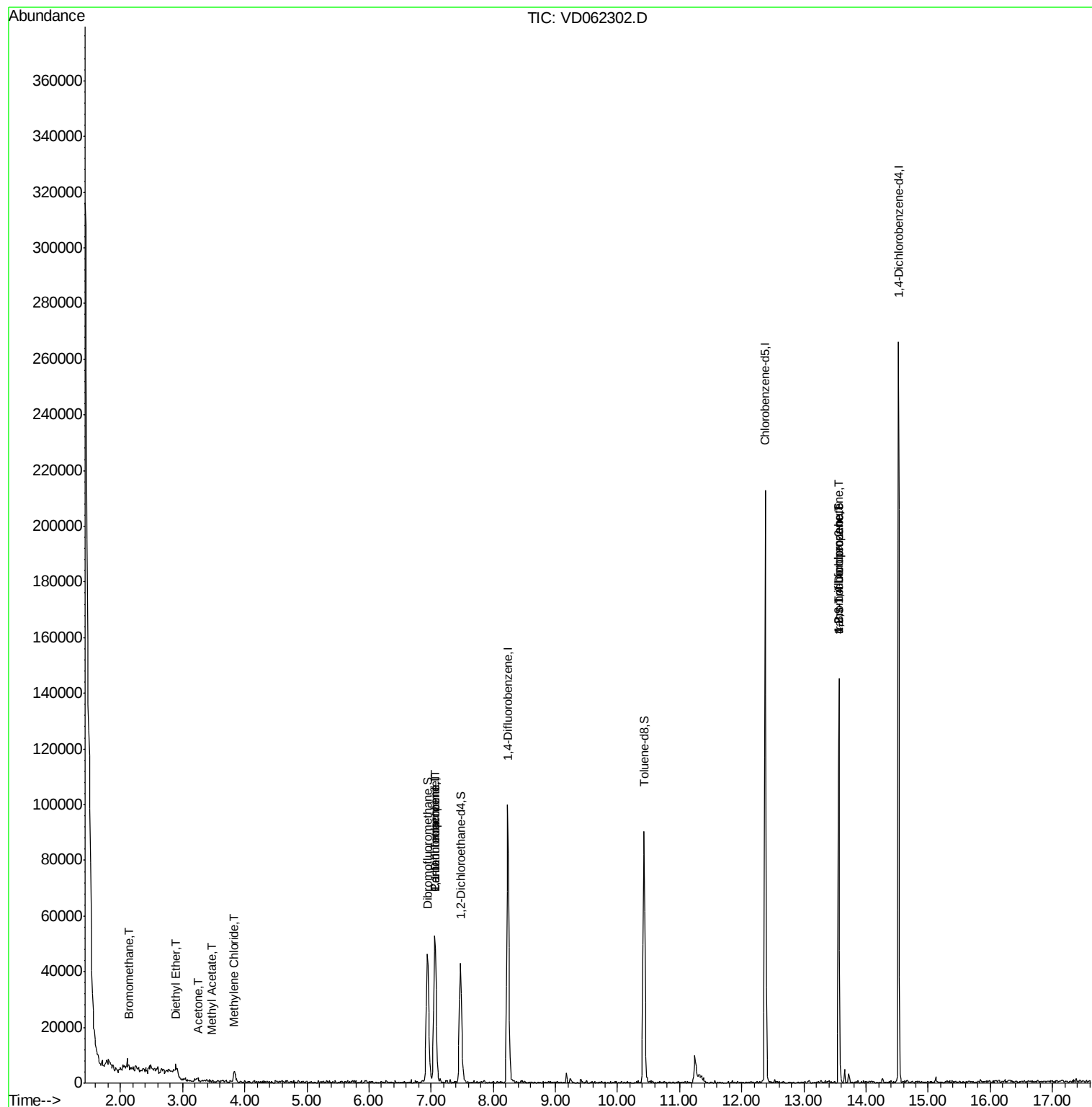
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	2.13	94	762	9.078	ug/l #	12
8) Diethyl Ether	2.89	74	181	1.348	ug/l	75
16) Acetone	3.25	43	1793	17.443	ug/l #	50
18) Methyl Acetate	3.48	43	364	1.687	ug/l #	53
20) Methylene Chloride	3.84	84	2373	5.529	ug/l #	83
36) 1,1-Dichloropropene	7.05	75	4232	5.171	ug/l #	40
38) Carbon Tetrachloride	7.05	117	5481	4.839	ug/l #	12
76) 1,2,3-Trichloropropane	13.57	75	17634	26.384	ug/l #	42
81) trans-1,4-Dichloro-2-buten	13.57	75	18915	100.247	ug/l #	16

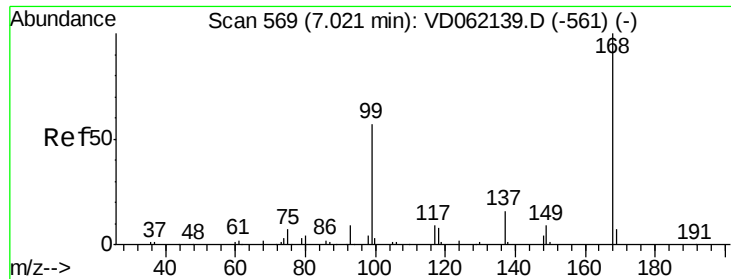
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD051319\
Data File : VD062302.D
Acq On : 13 May 2019 14:03
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ClientSampleId :
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Quant Time: May 14 05:09:37 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: 7.07 min Scan# 574

Delta R.T. 0.05 min

Lab File: VD062302.D

Acq: 13 May 2019 14:03

Instrument :

MSVOA_D

ClientSampleId :

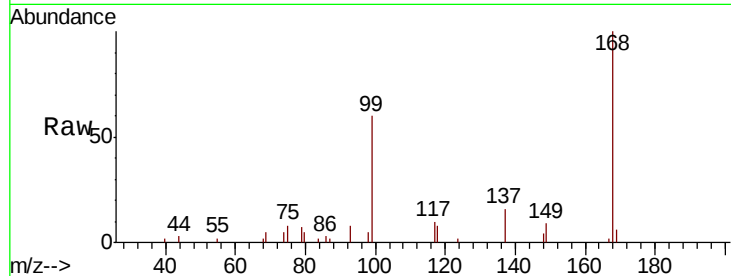
P026-SS007-1218-01RE

Tot Ion:168 Resp: 52745

Ion Ratio Lower Upper

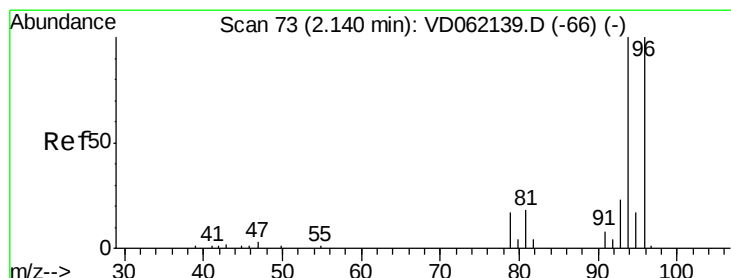
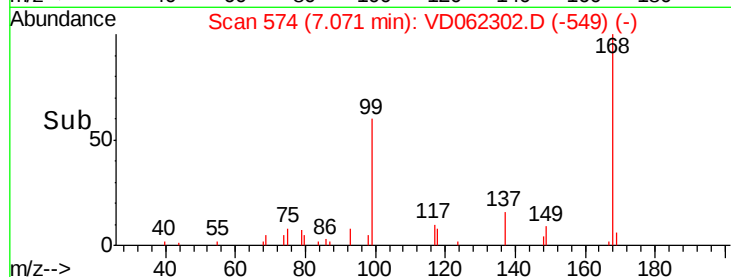
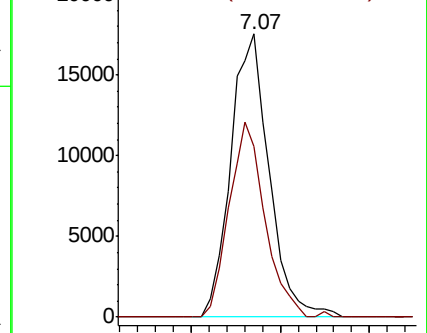
168 100

99 60.4 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: 9.078 ug/l

RT: 2.13 min Scan# 72

Delta R.T. -0.01 min

Lab File: VD062302.D

Acq: 13 May 2019 14:03

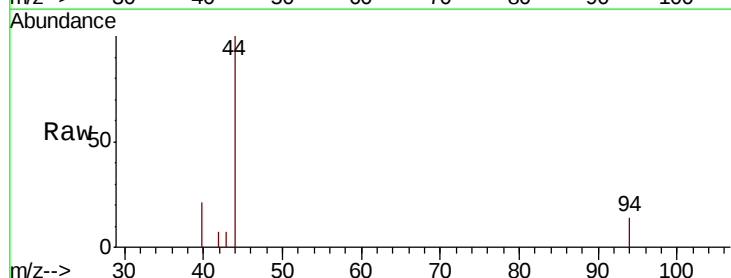
Tgt Ion: 94 Resp: 762

Ion Ratio Lower Upper

94 100

96 0.0 76.6 115.0#

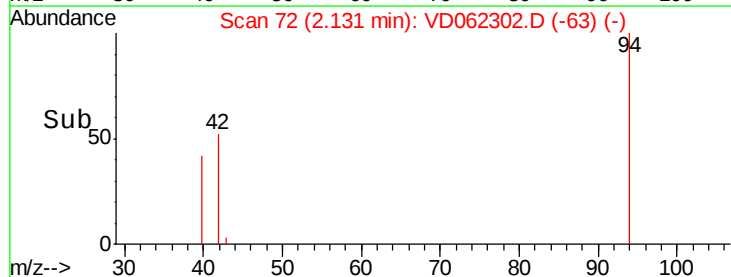
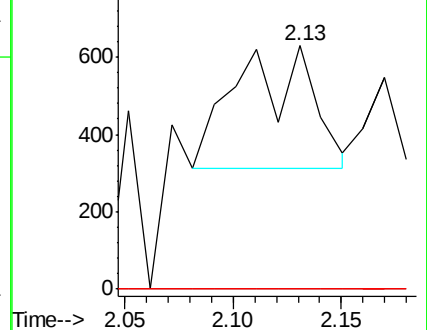
93 0.0 18.5 27.7#

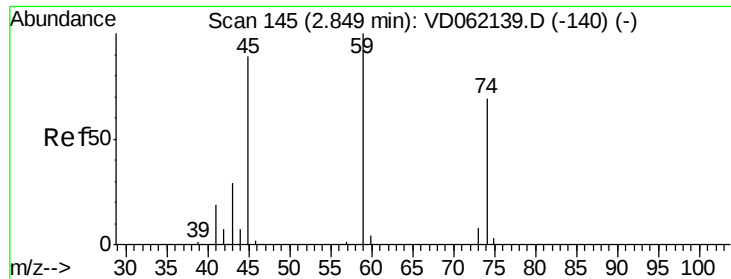


Abundance Ion 94.00 (93.70 to 94.70): VDC

Ion 96.00 (95.70 to 96.70): VDC

Ion 93.00 (92.70 to 93.70): VDC





#8

Diethyl Ether

Concen: 1.348 ug/l

RT: 2.89 min Scan# 149

Delta R.T. 0.04 min

Lab File: VD062302.D

Acq: 13 May 2019 14:03

Instrument :

MSVOA_D

ClientSampleId :

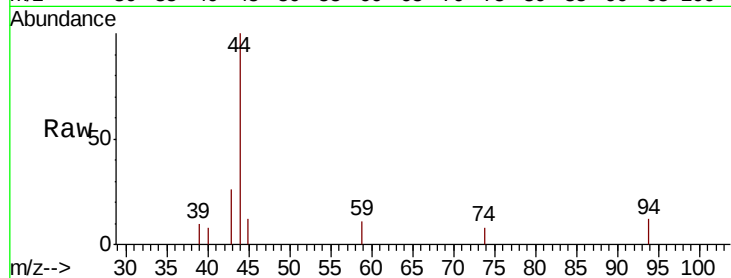
P026-SS007-1218-01RE

Tot Ion: 74 Resp: 181

Ion Ratio Lower Upper

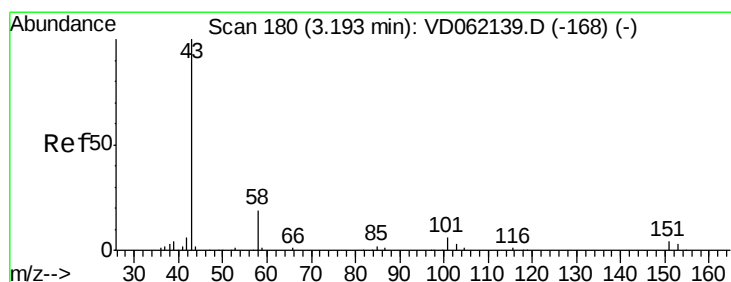
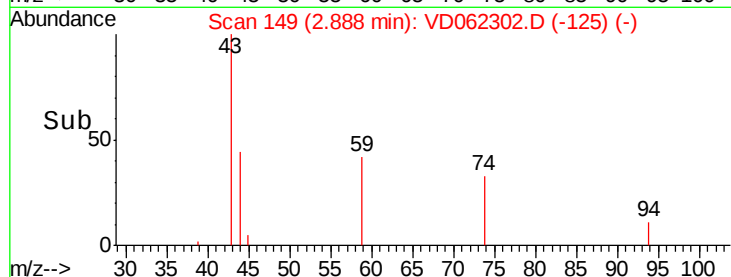
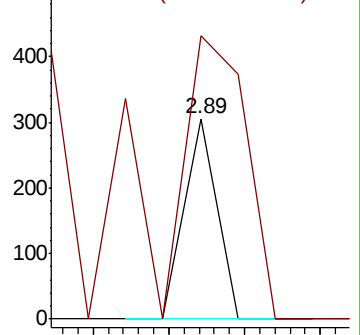
74 100

45 141.2 56.9 170.7



Abundance Ion 74.00 (73.70 to 74.70): VDC

Ion 45.05 (44.75 to 45.75): VDC



#16

Acetone

Concen: 17.443 ug/l

RT: 3.25 min Scan# 186

Delta R.T. 0.06 min

Lab File: VD062302.D

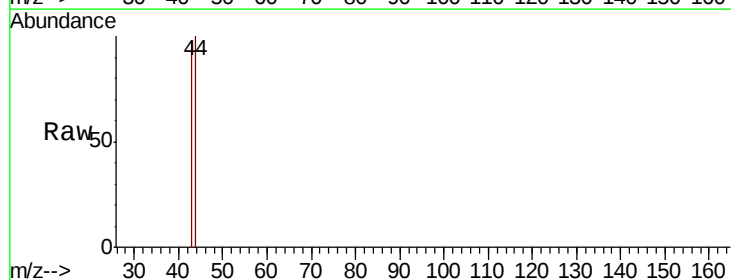
Acq: 13 May 2019 14:03

Tgt Ion: 43 Resp: 1793

Ion Ratio Lower Upper

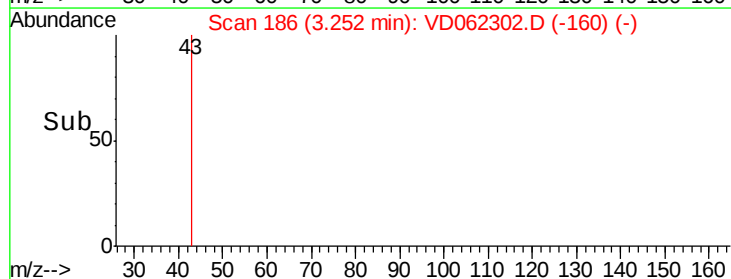
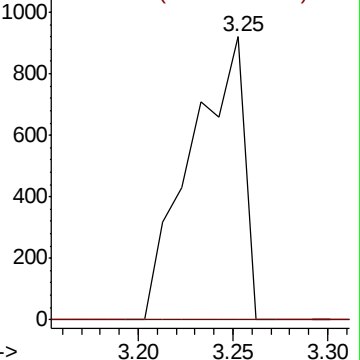
43 100

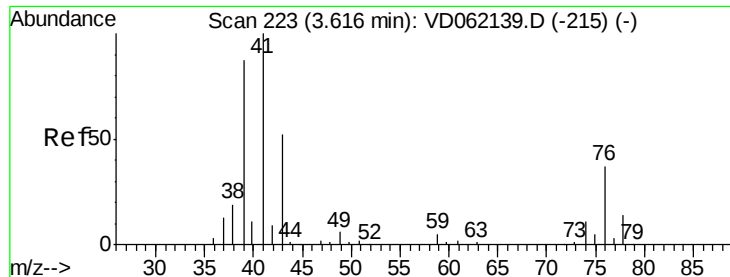
58 0.0 19.9 29.9#



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC

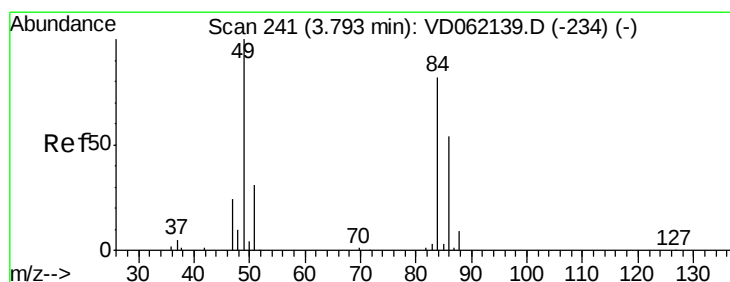
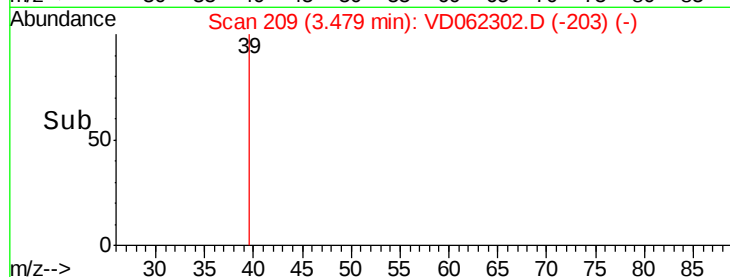
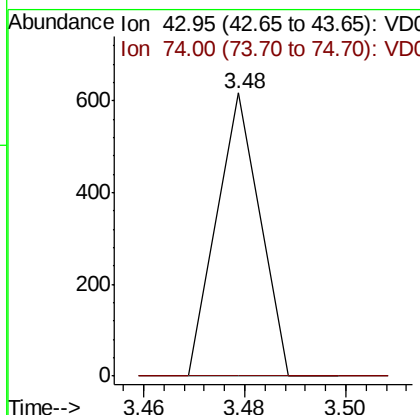
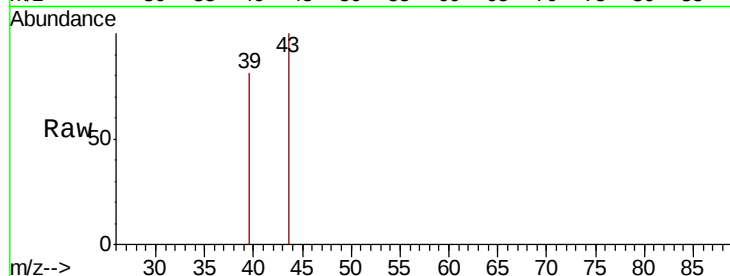




#18
Methyl Acetate
Concen: 1.687 ug/l
RT: 3.48 min Scan# 209
Delta R.T. -0.14 min
Lab File: VD062302.D
Acq: 13 May 2019 14:03

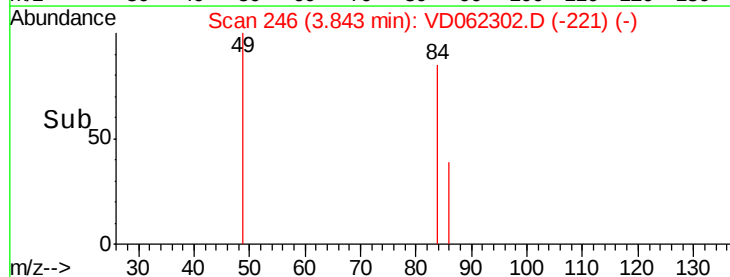
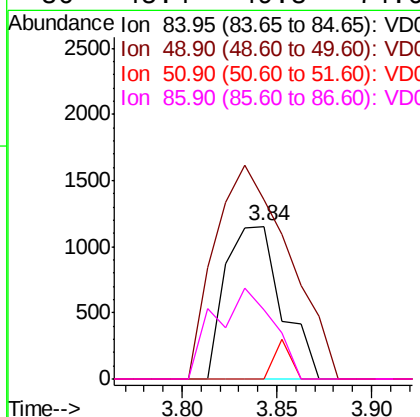
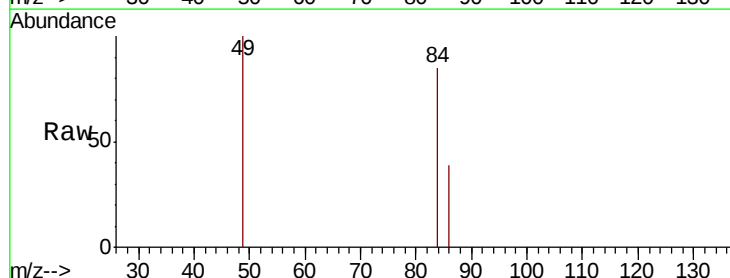
Instrument :
MSVOA_D
ClientSampleId :
P026-SS007-1218-01RE

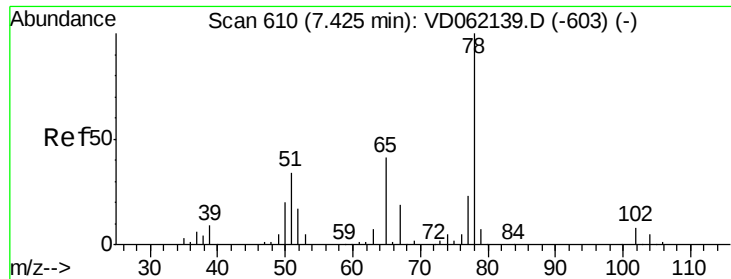
Tot Ion: 43 Resp: 364
Ion Ratio Lower Upper
43 100
74 0.0 18.0 27.0#



#20
Methylene Chloride
Concen: 5.529 ug/l
RT: 3.84 min Scan# 246
Delta R.T. 0.05 min
Lab File: VD062302.D
Acq: 13 May 2019 14:03

Tgt Ion: 84 Resp: 2373
Ion Ratio Lower Upper
84 100
49 117.6 94.0 141.0
51 0.0 29.0 43.4#
86 45.4 49.8 74.6#





#33

1,2-Dichloroethane-d4

Concen: 102.314 ug/l

RT: 7.47 min Scan# 615

Delta R.T. 0.05 min

Lab File: VD062302.D

Acq: 13 May 2019 14:03

Instrument :

MSVOA_D

ClientSampleId :

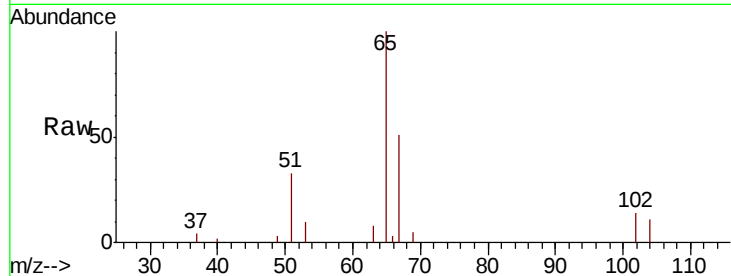
P026-SS007-1218-01RE

Tot Ion: 65 Resp: 50151

Ion Ratio Lower Upper

65 100

67 51.1 0.0 98.0



Abundance Ion 64.95 (64.65 to 65.65): VDC

Ion 66.90 (66.60 to 67.60): VDC

7.47

20000

15000

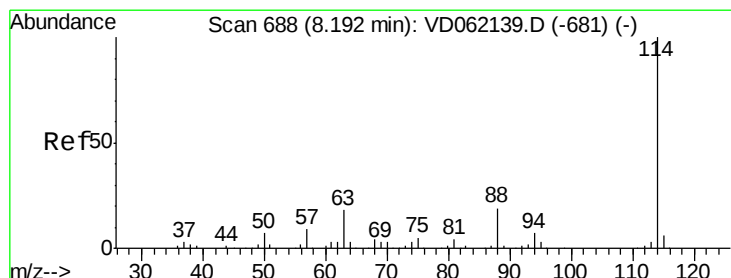
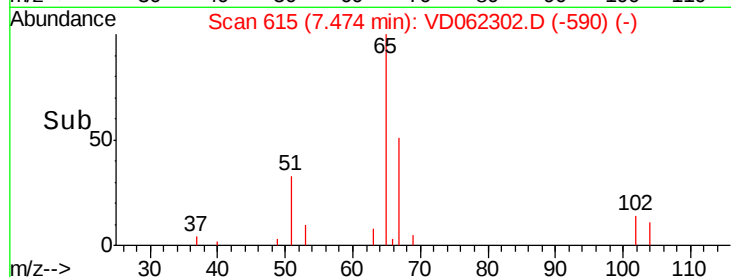
10000

5000

0

7.40 7.50 7.60

Time-->



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.23 min Scan# 692

Delta R.T. 0.04 min

Lab File: VD062302.D

Acq: 13 May 2019 14:03

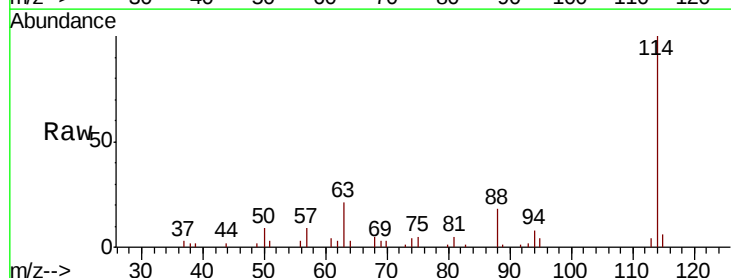
Tgt Ion: 114 Resp: 99812

Ion Ratio Lower Upper

114 100

63 20.9 0.0 32.4

88 18.1 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

8.23

50000

40000

30000

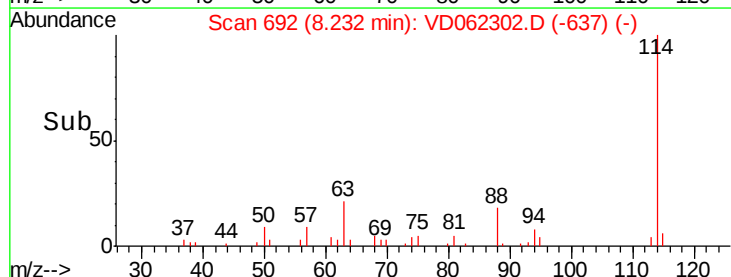
20000

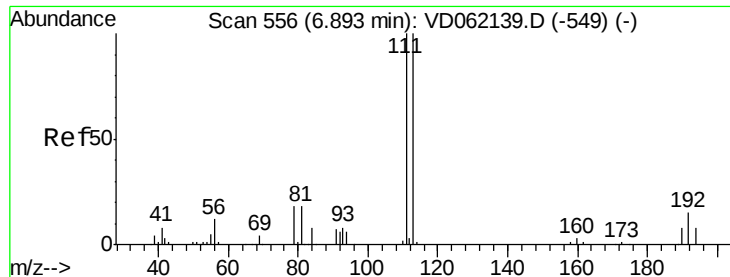
10000

0

8.10 8.20 8.30 8.40

Time-->





#35

Dibromofluoromethane

Concen: 51.826 ug/l

RT: 6.94 min Scan# 561

Delta R.T. 0.05 min

Lab File: VD062302.D

Acq: 13 May 2019 14:03

Instrument :

MSVOA_D

ClientSampleId :

P026-SS007-1218-01RE

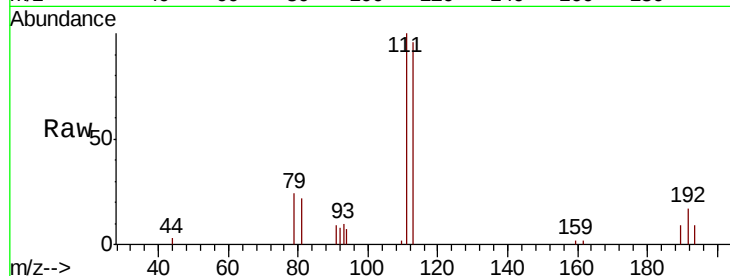
Tot Ion:113 Resp: 42920

Ion Ratio Lower Upper

113 100

111 104.0 78.5 117.7

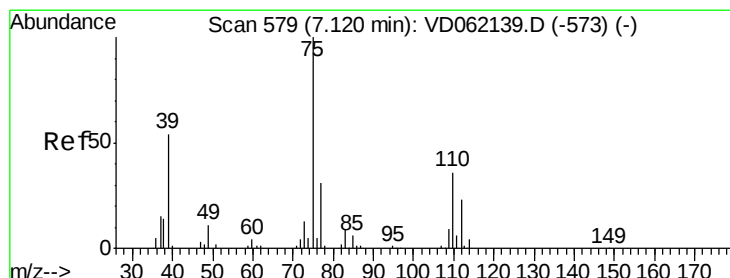
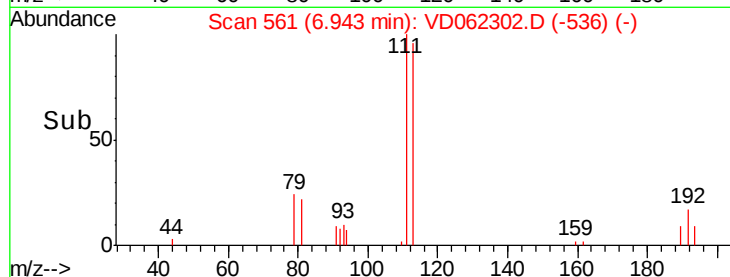
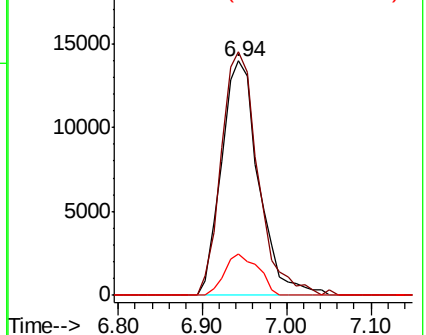
192 17.5 13.0 19.4



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: 5.171 ug/l

RT: 7.05 min Scan# 572

Delta R.T. -0.07 min

Lab File: VD062302.D

Acq: 13 May 2019 14:03

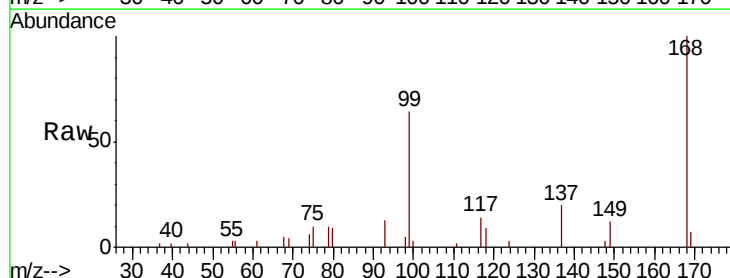
Tgt Ion: 75 Resp: 4232

Ion Ratio Lower Upper

75 100

110 0.0 19.1 57.1#

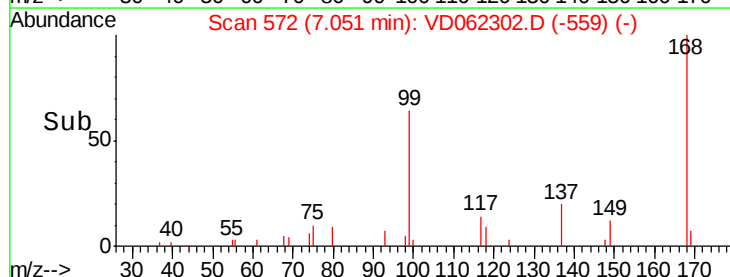
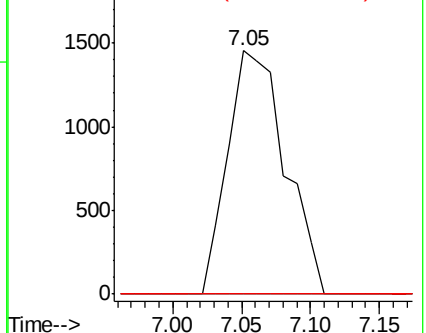
77 0.0 25.6 38.4#

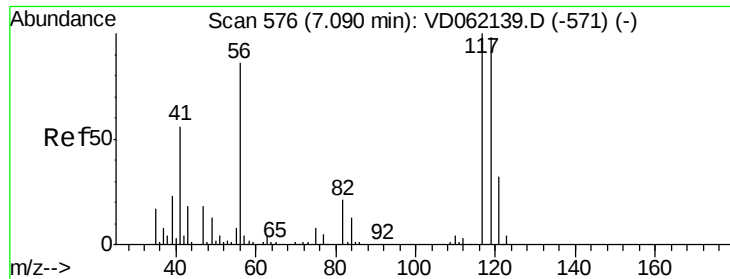


Abundance Ion 75.00 (74.70 to 75.70): V

Ion 109.90 (109.60 to 110.60): V

Ion 76.95 (76.65 to 77.65): V





#38

Carbon Tetrachloride

Concen: 4.839 ug/l

RT: 7.05 min Scan# 572

Delta R.T. -0.04 min

Lab File: VD062302.D

Acq: 13 May 2019 14:03

Instrument :

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ClientSampleId :

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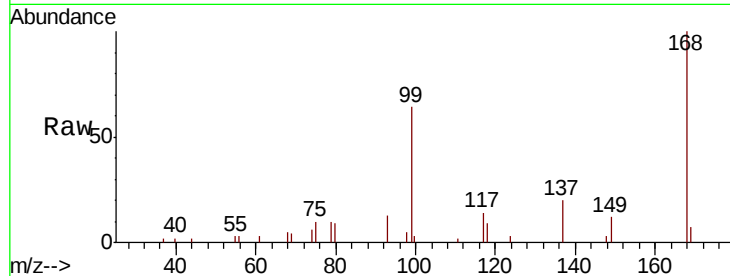
Tot Ion:117 Resp: 5481

Ion Ratio Lower Upper

117 100

119 0.0 75.8 113.8#

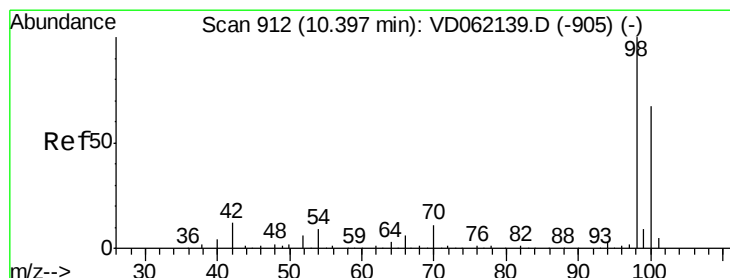
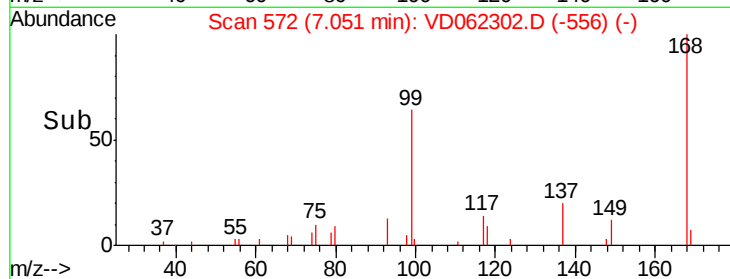
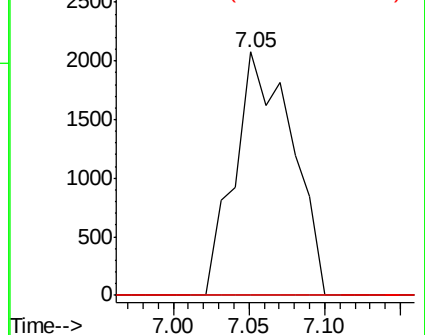
121 0.0 25.9 38.9#



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: 37.280 ug/l

RT: 10.43 min Scan# 915

Delta R.T. 0.03 min

Lab File: VD062302.D

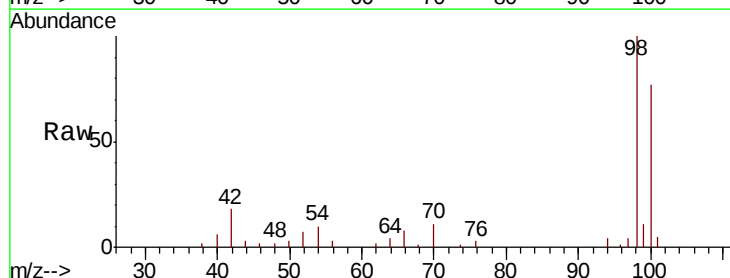
Acq: 13 May 2019 14:03

Tgt Ion: 98 Resp: 74438

Ion Ratio Lower Upper

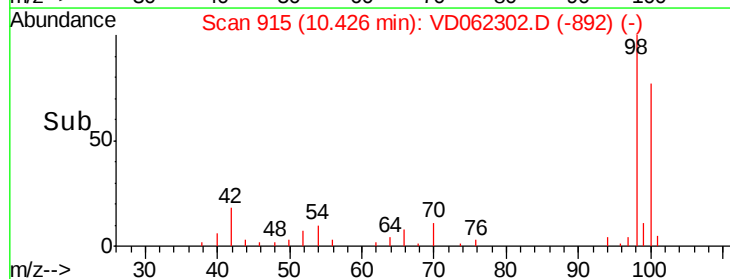
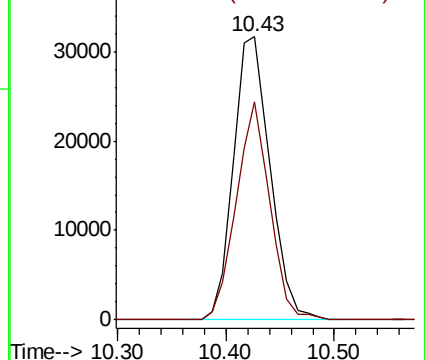
98 100

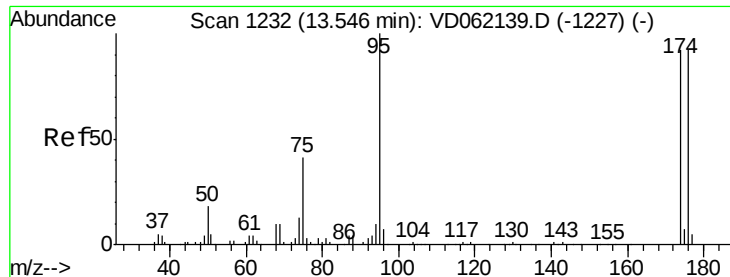
100 77.0 53.8 80.8



Abundance Ion 98.05 (97.75 to 98.75): V

Ion 100.05 (99.75 to 100.75): V





#62

4-Bromofluorobenzene

Concen: 49.025 ug/l

RT: 13.57 min Scan# 1234

Delta R.T. 0.02 min

Lab File: VD062302.D

Acq: 13 May 2019 14:03

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P026-SS007-1218-01RE

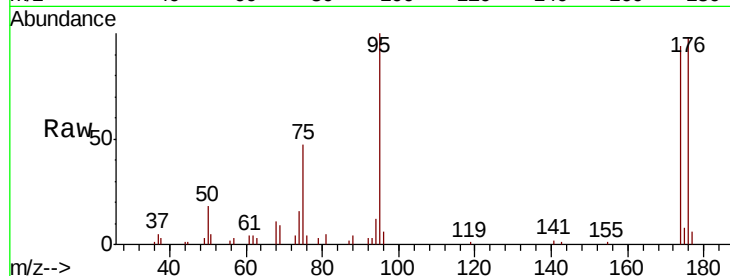
Tot Ion: 95 Resp: 39309

Ion Ratio Lower Upper

95 100

174 94.0 0.0 181.8

176 97.7 0.0 174.4

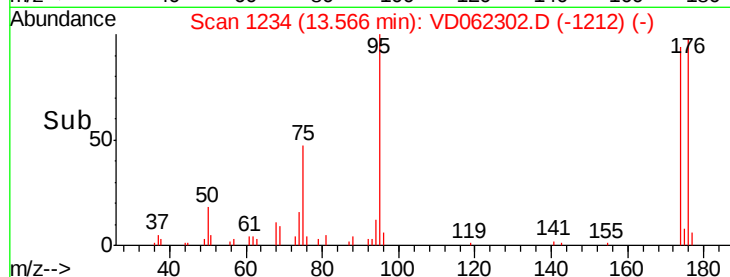


Abundance Ion 95.00 (94.70 to 95.70): V

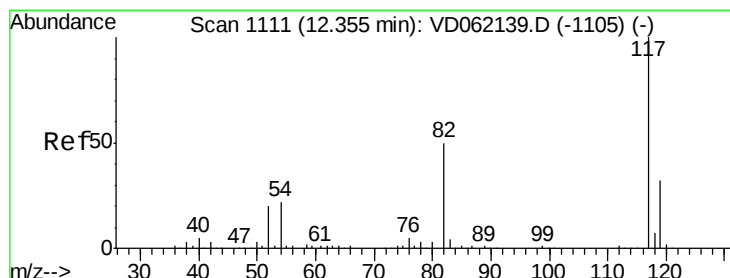
Ion 173.90 (173.60 to 174.60): V

Ion 175.90 (175.60 to 176.60): V

Time-->



Time-->



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 12.37 min Scan# 1113

Delta R.T. 0.02 min

Lab File: VD062302.D

Acq: 13 May 2019 14:03

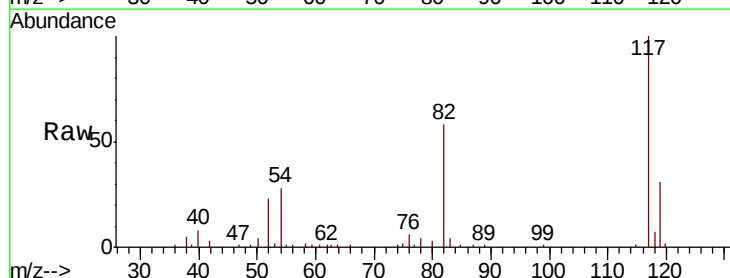
Tgt Ion: 117 Resp: 105972

Ion Ratio Lower Upper

117 100

82 57.7 36.2 54.2#

119 31.1 26.2 39.4

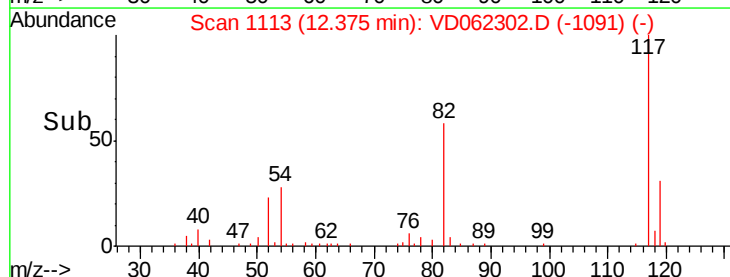


Abundance Ion 116.95 (116.65 to 117.65): V

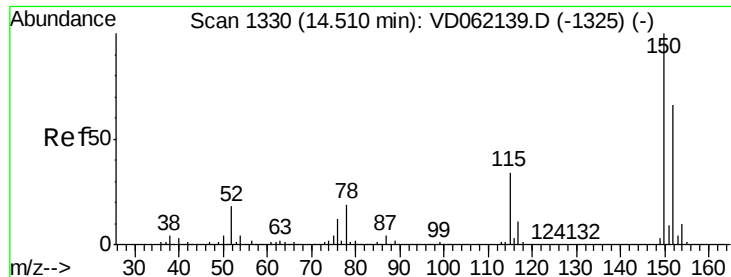
Ion 82.05 (81.75 to 82.75): V

Ion 118.95 (118.65 to 119.65): V

Time-->



Time-->



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 14.52 min Scan# 1331

Delta R.T. 0.01 min

Lab File: VD062302.D

Acq: 13 May 2019 14:03

Instrument :

MSVOA_D

ClientSampleId :

P026-SS007-1218-01RE

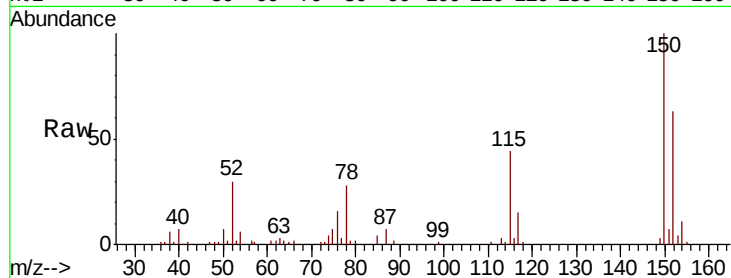
Tot Ion:152 Resp: 56240

Ion Ratio Lower Upper

152 100

115 70.0 30.9 92.7

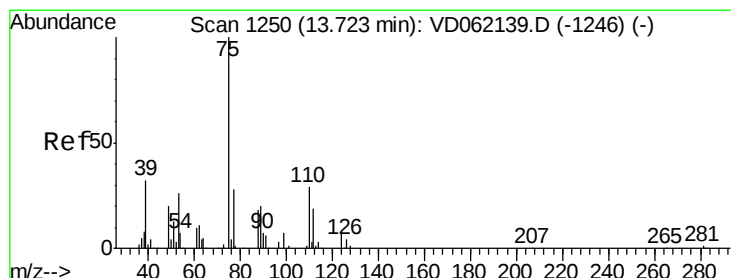
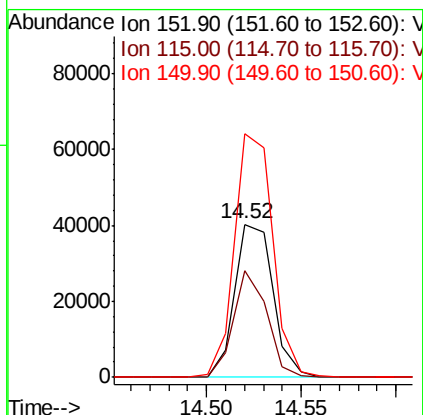
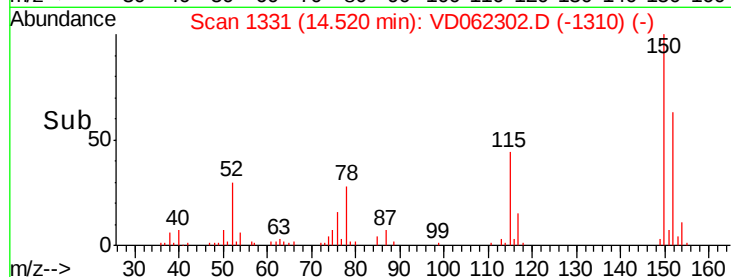
150 158.8 0.0 314.8



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



#76

1,2,3-Trichloropropane

Concen: 26.384 ug/l

RT: 13.57 min Scan# 1234

Delta R.T. -0.16 min

Lab File: VD062302.D

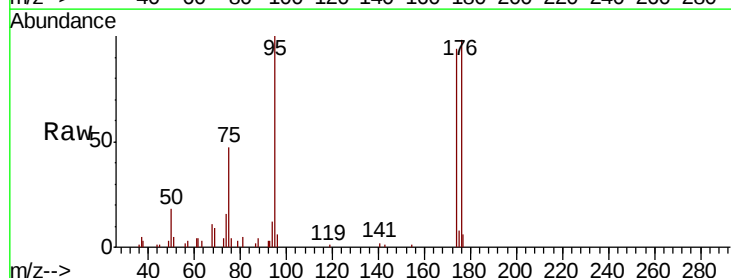
Acq: 13 May 2019 14:03

Tgt Ion: 75 Resp: 17634

Ion Ratio Lower Upper

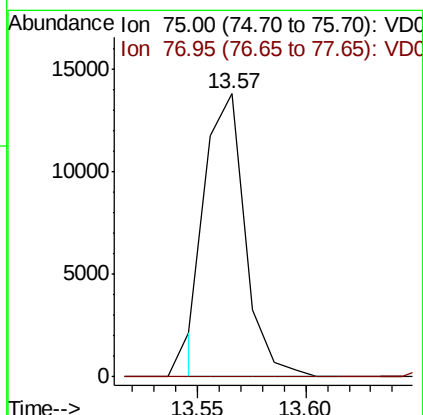
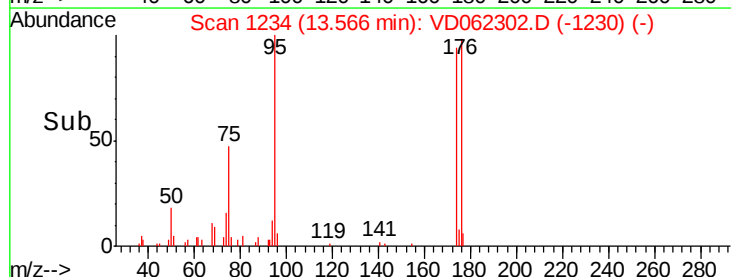
75 100

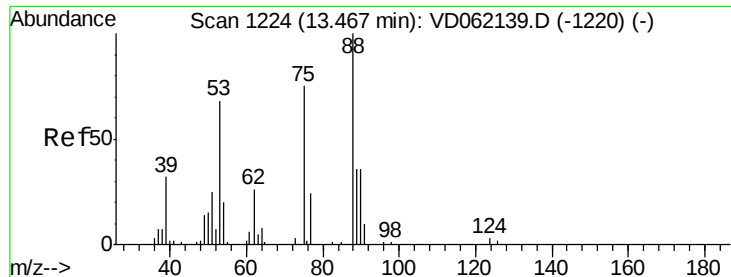
77 0.0 16.4 49.4#



Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 76.95 (76.65 to 77.65): VDC





#81

trans-1,4-Dichloro-2-butene

Concen: 100.247 ug/l

RT: 13.57 min Scan# 1234

Delta R.T. 0.10 min

Lab File: VD062302.D

Acq: 13 May 2019 14:03

Instrument :

MSVOA_D

ClientSampleId :

P026-SS007-1218-01RE

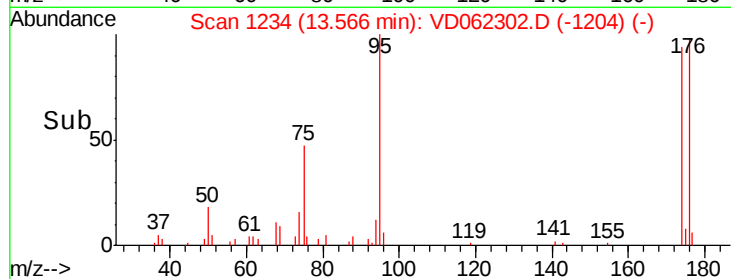
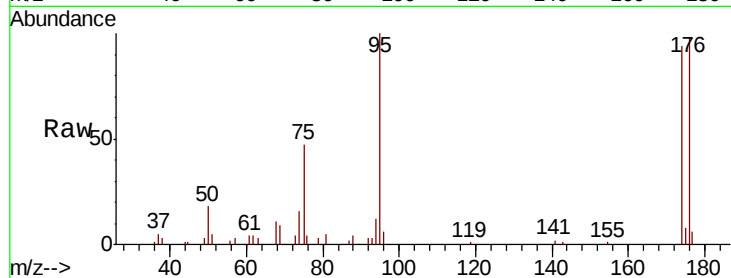
Tot Ion: 75 Resp: 18915

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

