

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD051319\
 Data File : VD062303.D
 Acq On : 13 May 2019 14:31
 Operator : FY/SY
 Sample : K2718-20RE
 Misc : 6.42g/5mL/MSVOA D/SOIL
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 P026-SS007-1824-01RE

Quant Time: May 14 05:09:46 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	7.06	168	60950	50.00	ug/l	0.04
34) 1,4-Difluorobenzene	8.23	114	91481	50.00	ug/l	0.04
63) Chlorobenzene-d5	12.37	117	80217	50.00	ug/l	0.02
72) 1,4-Dichlorobenzene-d4	14.52	152	39758	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	7.46	65	43028	75.97	ug/l	0.04
Spiked Amount			Recovery	=	151.94%	
35) Dibromofluoromethane	6.94	113	38502	50.73	ug/l	0.05
Spiked Amount			Recovery	=	101.46%	
50) Toluene-d8	10.43	98	66033	36.08	ug/l	0.03
Spiked Amount			Recovery	=	72.16%	
62) 4-Bromofluorobenzene	13.57	95	29389	39.99	ug/l	0.02
Spiked Amount			Recovery	=	79.98%	

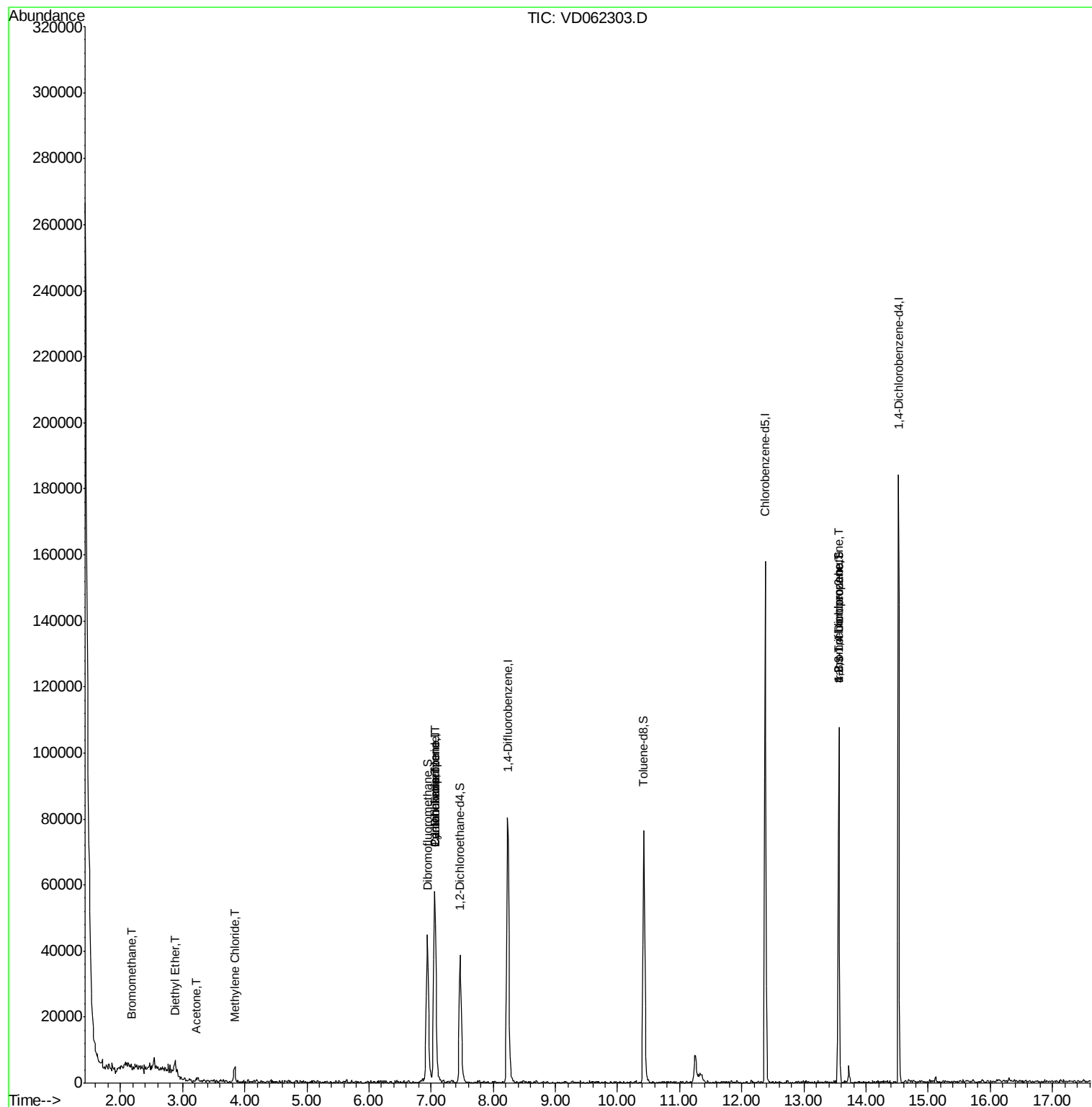
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	2.17	94	1052	10.846	ug/l #	1
8) Diethyl Ether	2.89	74	179	1.153	ug/l	79
16) Acetone	3.22	43	1797	15.128	ug/l #	50
20) Methylene Chloride	3.84	84	2486	5.012	ug/l #	95
31) Cyclohexane	7.06	56	759	1.277	ug/l #	1
36) 1,1-Dichloropropene	7.05	75	4632	6.176	ug/l #	40
38) Carbon Tetrachloride	7.05	117	6154	5.928	ug/l #	12
76) 1,2,3-Trichloropropane	13.57	75	11951	25.294	ug/l #	42
81) trans-1,4-Dichloro-2-buten	13.57	75	13068	97.971	ug/l #	16

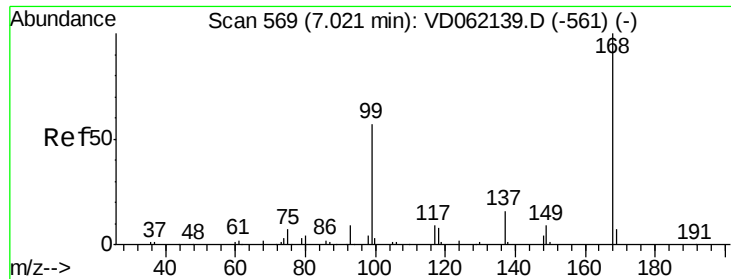
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.06 min Scan# 573

Delta R.T. 0.04 min

Lab File: VD062303.D

Acq: 13 May 2019 14:31

Instrument :

MSVOA_D

ClientSampleId :

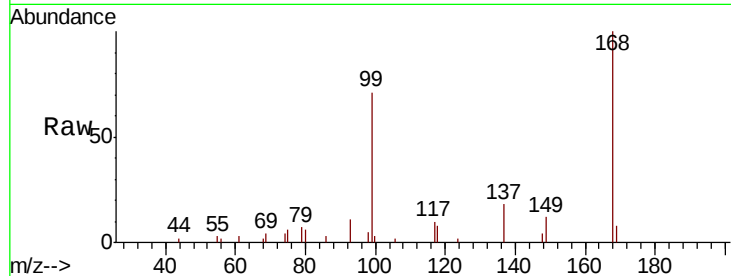
P026-SS007-1824-01RE

Tot Ion:168 Resp: 60950

Ion Ratio Lower Upper

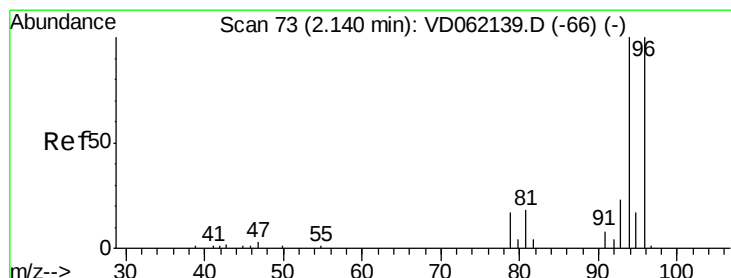
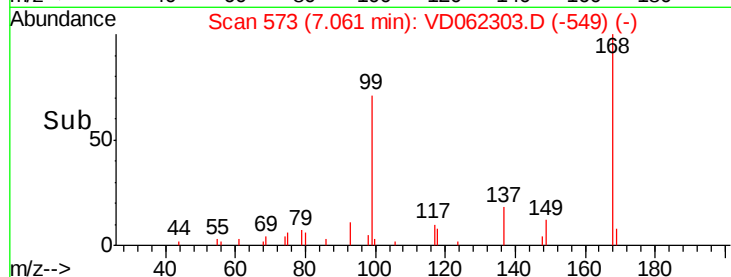
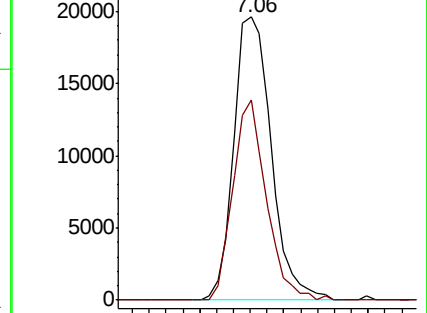
168 100

99 70.5 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: 10.846 ug/l

RT: 2.17 min Scan# 76

Delta R.T. 0.03 min

Lab File: VD062303.D

Acq: 13 May 2019 14:31

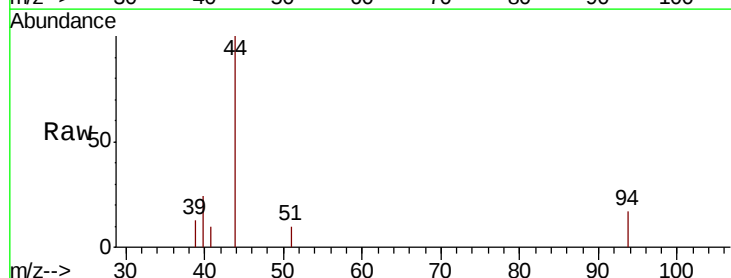
Tgt Ion: 94 Resp: 1052

Ion Ratio Lower Upper

94 100

96 0.0 76.6 115.0#

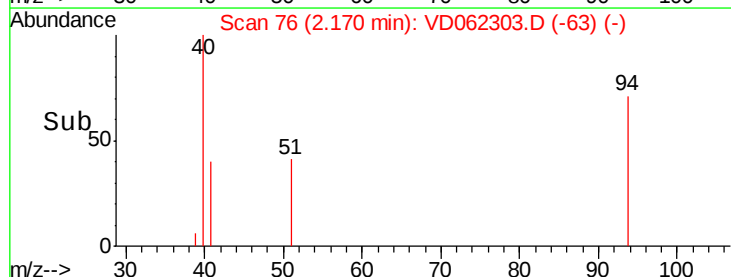
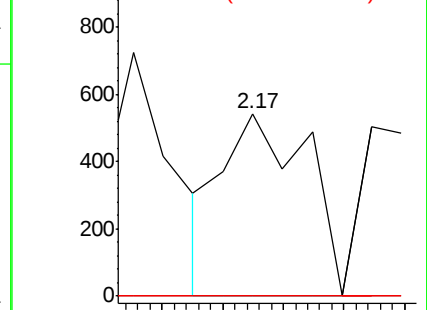
93 100.0 18.5 27.7#

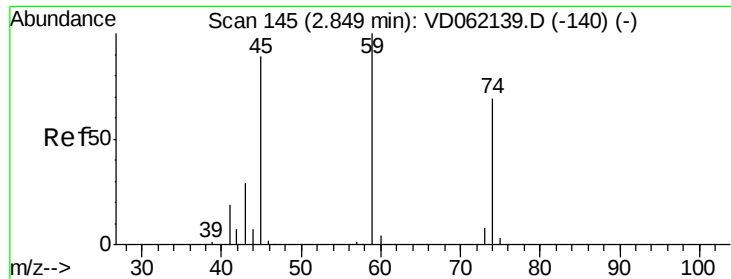


Abundance Ion 94.00 (93.70 to 94.70): VDC

Ion 96.00 (95.70 to 96.70): VDC

Ion 93.00 (92.70 to 93.70): VDC





#8

Diethyl Ether

Concen: 1.153 ug/l

RT: 2.89 min Scan# 149

Delta R.T. 0.04 min

Lab File: VD062303.D

Acq: 13 May 2019 14:31

Instrument :

MSVOA_D

ClientSampleId :

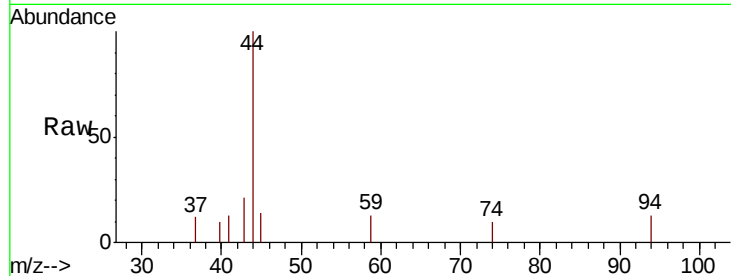
P026-SS007-1824-01RE

Tot Ion: 74 Resp: 179

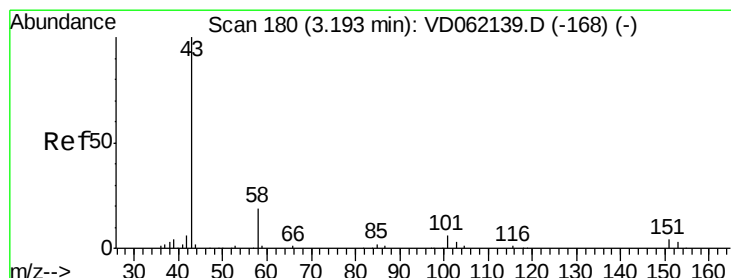
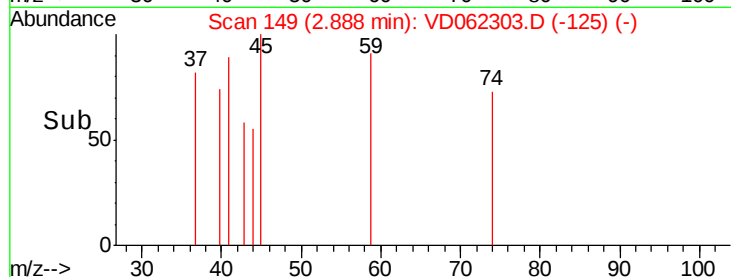
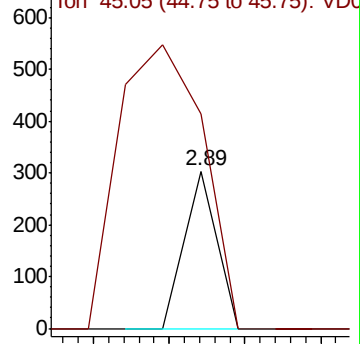
Ion Ratio Lower Upper

74 100

45 136.6 56.9 170.7



Abundance Ion 74.00 (73.70 to 74.70): VDC



#16

Acetone

Concen: 15.128 ug/l

RT: 3.22 min Scan# 183

Delta R.T. 0.03 min

Lab File: VD062303.D

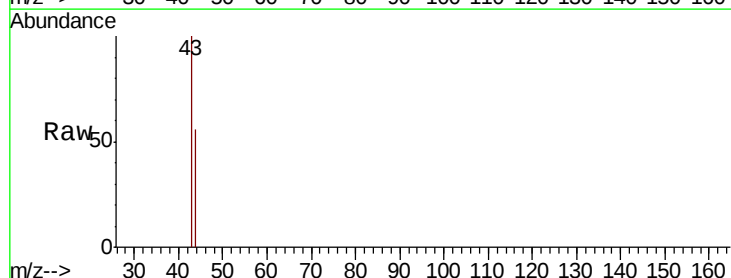
Acq: 13 May 2019 14:31

Tgt Ion: 43 Resp: 1797

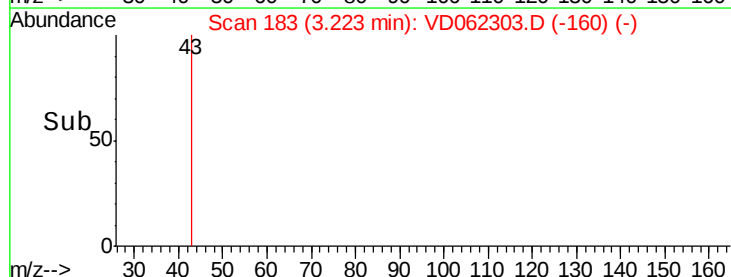
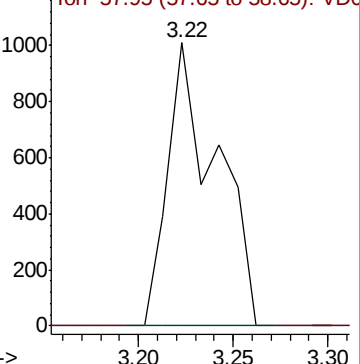
Ion Ratio Lower Upper

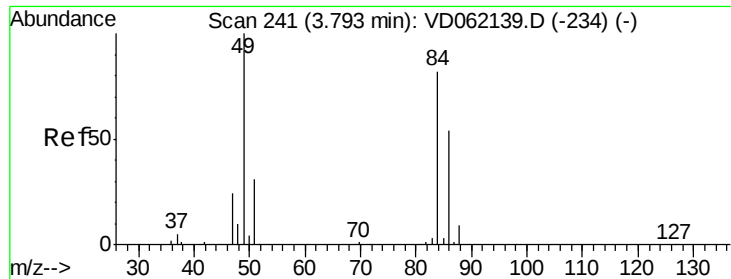
43 100

58 0.0 19.9 29.9#



Abundance Ion 42.95 (42.65 to 43.65): VDC

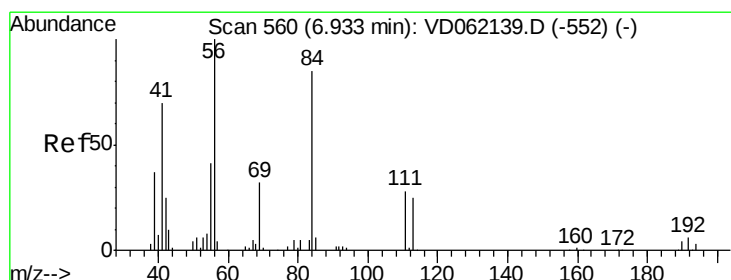
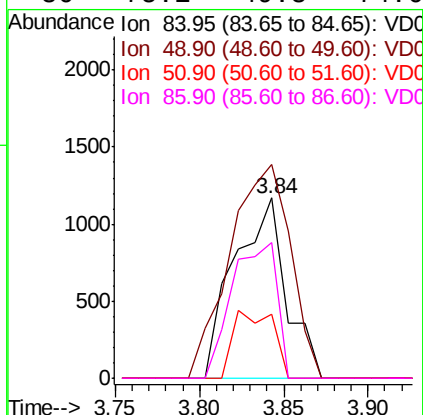
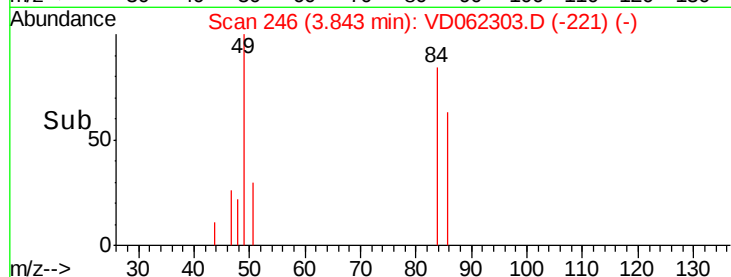
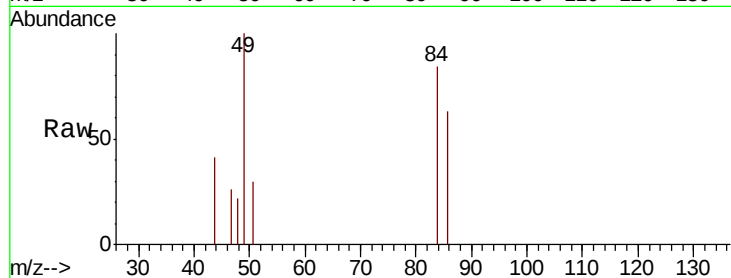




#20
Methvlene Chloride
Concen: 5.012 ug/l
RT: 3.84 min Scan# 246
Delta R.T. 0.05 min
Lab File: VD062303.D
Acq: 13 May 2019 14:31

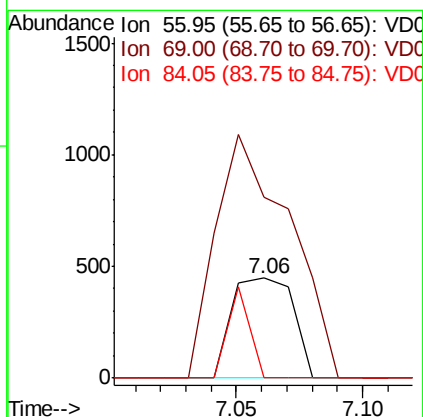
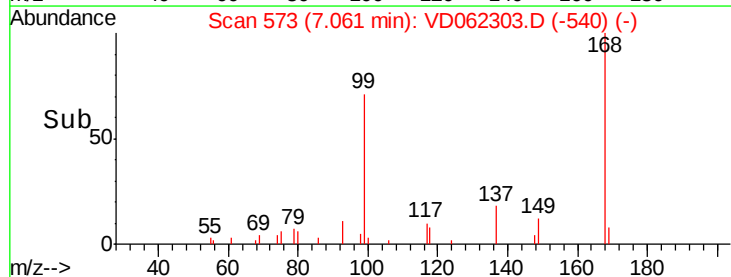
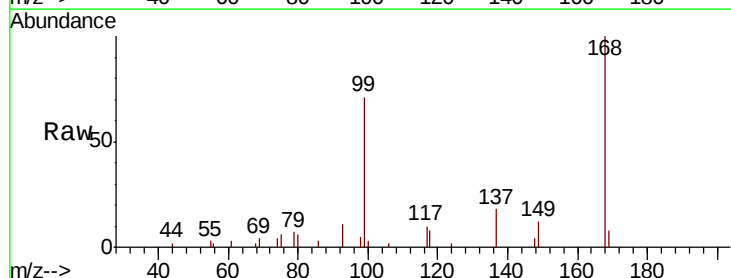
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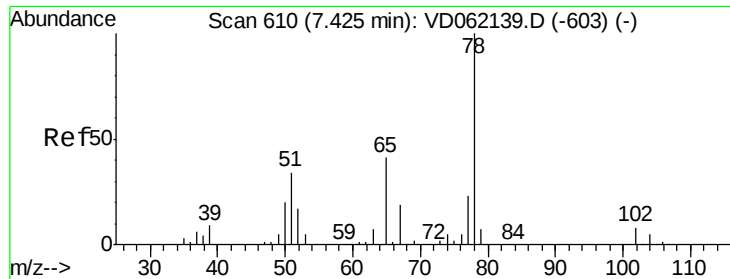
Tot Ion: 84 Resp: 2486
Ion Ratio Lower Upper
84 100
49 118.4 94.0 141.0
51 35.7 29.0 43.4
86 75.1 49.8 74.6#



#31
Cyclohexane
Concen: 1.277 ug/l
RT: 7.06 min Scan# 573
Delta R.T. 0.13 min
Lab File: VD062303.D
Acq: 13 May 2019 14:31

Tgt Ion: 56 Resp: 759
Ion Ratio Lower Upper
56 100
69 181.2 25.8 38.6#
84 0.0 72.2 108.4#





#33

1,2-Dichloroethane-d4

Concen: 75.965 ug/l

RT: 7.46 min Scan# 614

Delta R.T. 0.04 min

Lab File: VD062303.D

Acq: 13 May 2019 14:31

Instrument :

MSVOA_D

ClientSampleId :

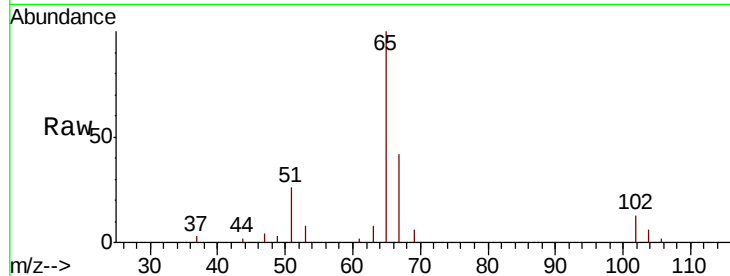
P026-SS007-1824-01RE

Tot Ion: 65 Resp: 43028

Ion Ratio Lower Upper

65 100

67 41.7 0.0 98.0



Abundance Ion 64.95 (64.65 to 65.65): VDC

Ion 66.90 (66.60 to 67.60): VDC

20000

15000

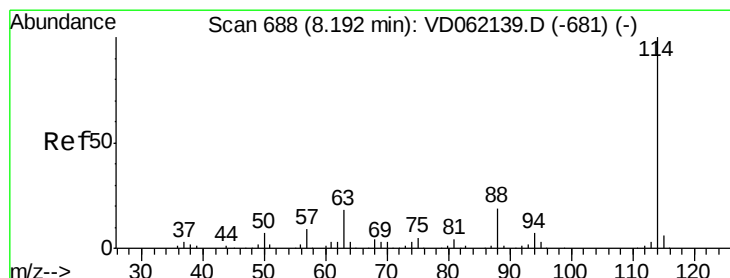
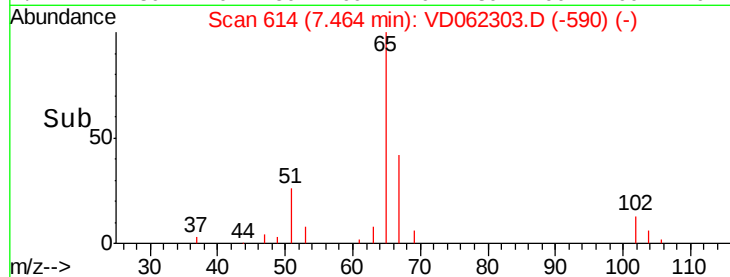
10000

5000

0

7.40 7.46 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: VD062303.D

Acq: 13 May 2019 14:31

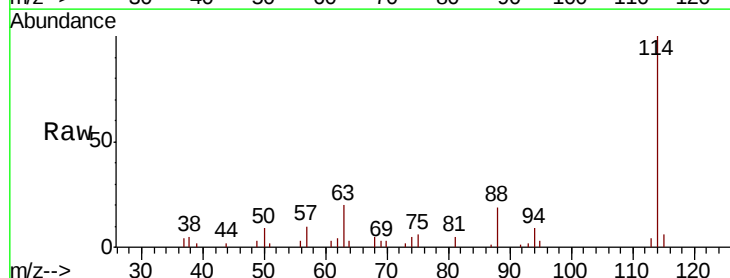
Tgt Ion: 114 Resp: 91481

Ion Ratio Lower Upper

114 100

63 19.6 0.0 32.4

88 18.6 0.0 33.6



Abundance Ion 114.00 (113.70 to 114.70): VDC

Ion 62.95 (62.65 to 63.65): VDC

Ion 87.90 (87.60 to 88.60): VDC

40000

30000

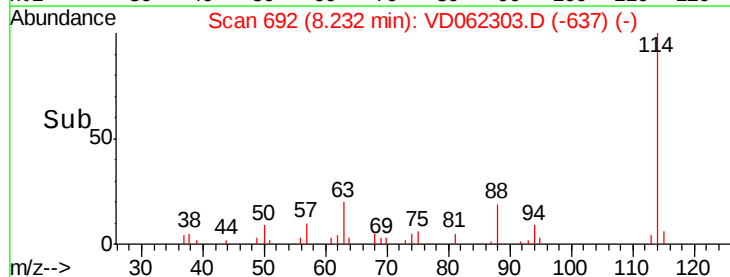
20000

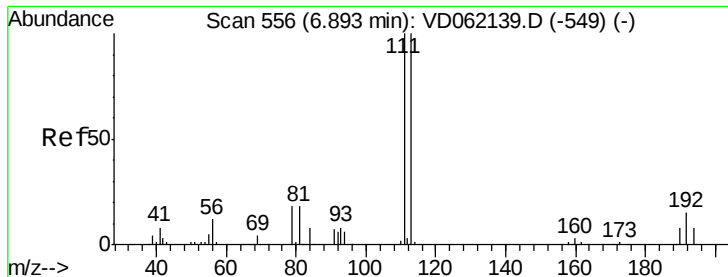
10000

0

8.10 8.20 8.23 8.30 8.40

Time-->

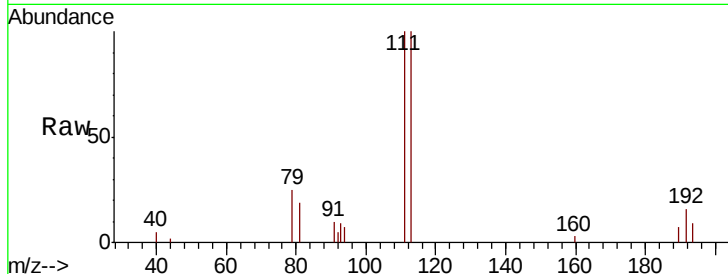




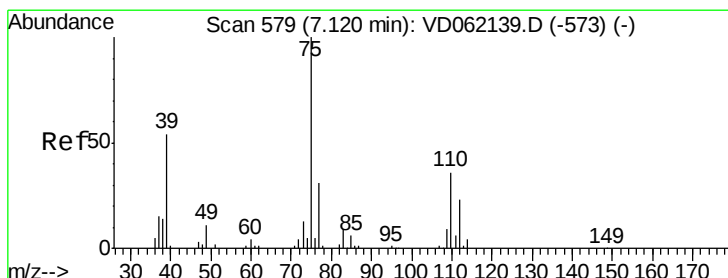
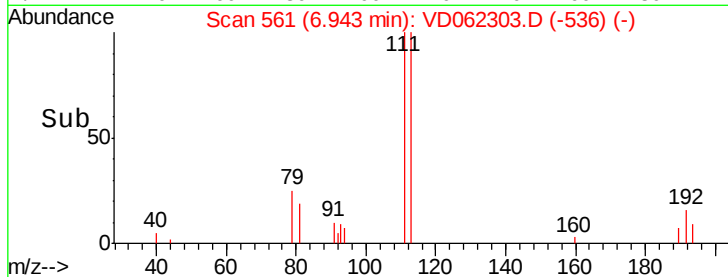
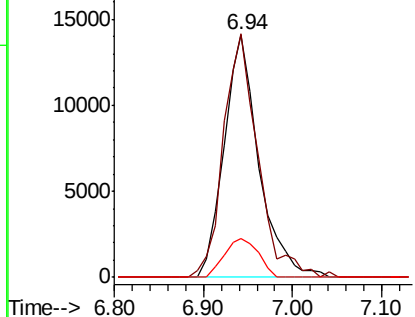
#35
 Dibromofluoromethane
 Concen: 50.725 ug/l
 RT: 6.94 min Scan# 561
 Delta R.T. 0.05 min
 Lab File: VD062303.D
 Acq: 13 May 2019 14:31

Instrument :
 MSVOA_D
 ClientSampleId :
 P026-SS007-1824-01RE

Tot Ion:113 Resp: 38502
 Ion Ratio Lower Upper
 113 100
 111 100.5 78.5 117.7
 192 16.3 13.0 19.4

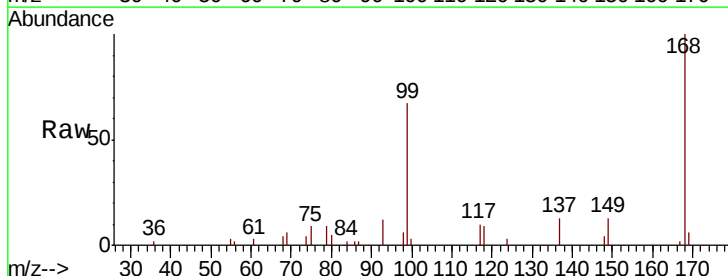


Abundance Ion 112.90 (112.60 to 113.60): V
 Ion 110.90 (110.60 to 111.60): V
 Ion 191.80 (191.50 to 192.50): V

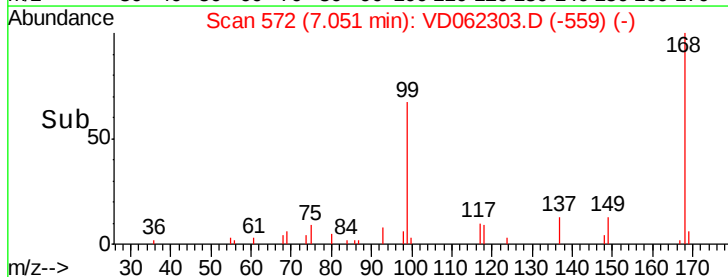
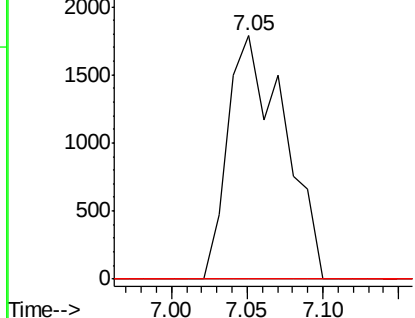


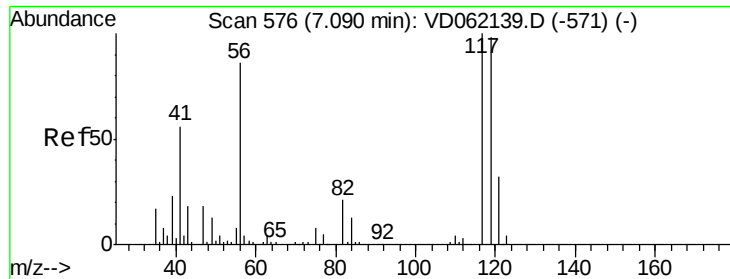
#36
 1,1-Dichloropropene
 Concen: 6.176 ug/l
 RT: 7.05 min Scan# 572
 Delta R.T. -0.07 min
 Lab File: VD062303.D
 Acq: 13 May 2019 14:31

Tgt Ion: 75 Resp: 4632
 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): VDC
 Ion 109.90 (109.60 to 110.60): V
 Ion 76.95 (76.65 to 77.65): VDC

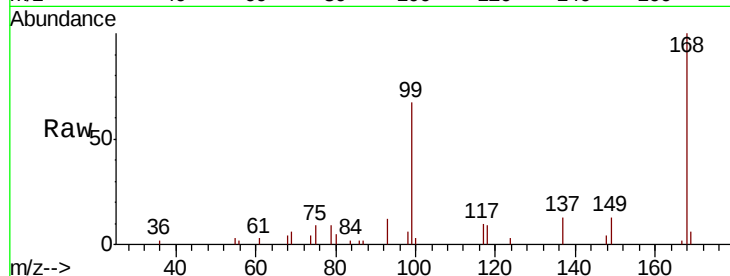




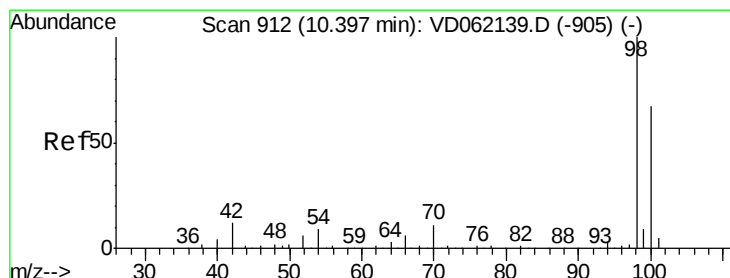
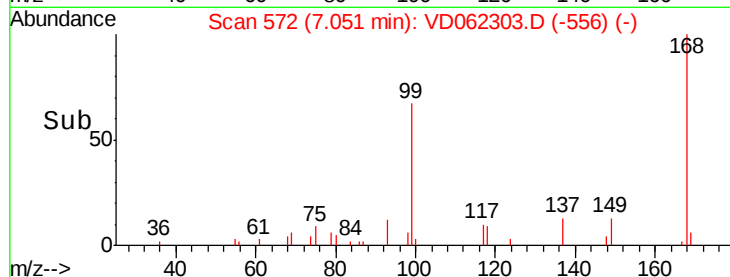
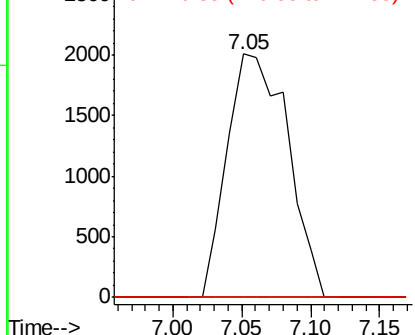
#38
Carbon Tetrachloride
Concen: 5.928 ug/l
RT: 7.05 min Scan# 572
Delta R.T. -0.04 min
Lab File: VD062303.D
Acq: 13 May 2019 14:31

Instrument :
MSVOA_D
ClientSampleId :
P026-SS007-1824-01RE

Tot Ion:117 Resp: 6154
Ion Ratio Lower Upper
117 100
119 0.0 75.8 113.8#
121 0.0 25.9 38.9#

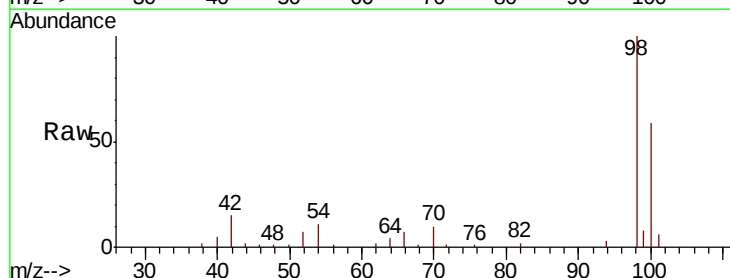


Abundance Ion 116.85 (116.55 to 117.55): V
Ion 118.85 (118.55 to 119.55): V
Ion 120.85 (120.55 to 121.55): V

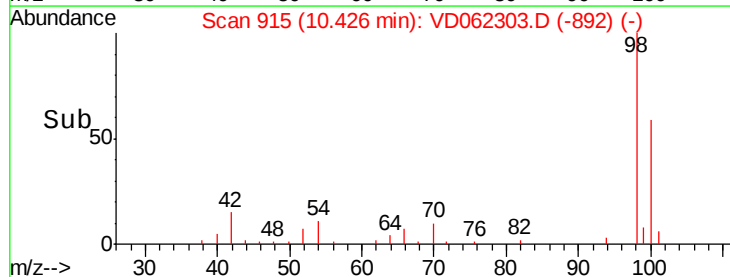
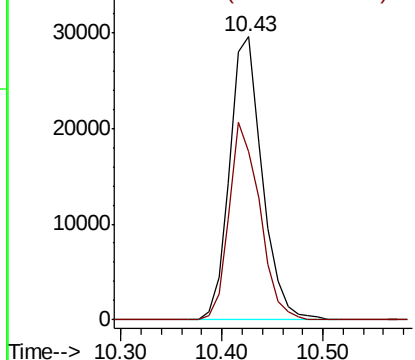


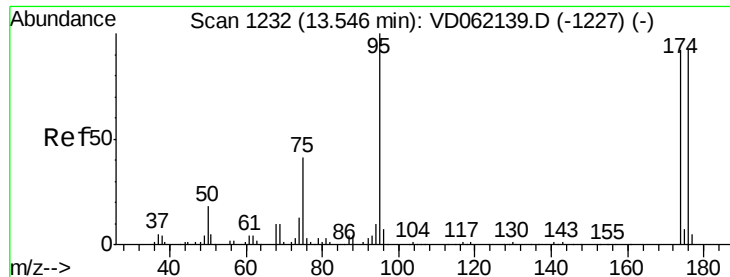
#50
Toluene-d8
Concen: 36.082 ug/l
RT: 10.43 min Scan# 915
Delta R.T. 0.03 min
Lab File: VD062303.D
Acq: 13 May 2019 14:31

Tgt Ion: 98 Resp: 66033
Ion Ratio Lower Upper
98 100
100 59.3 53.8 80.8



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

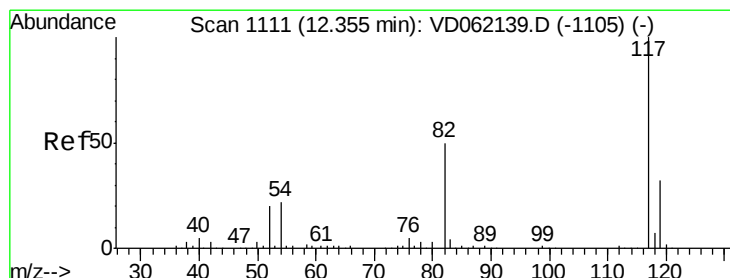
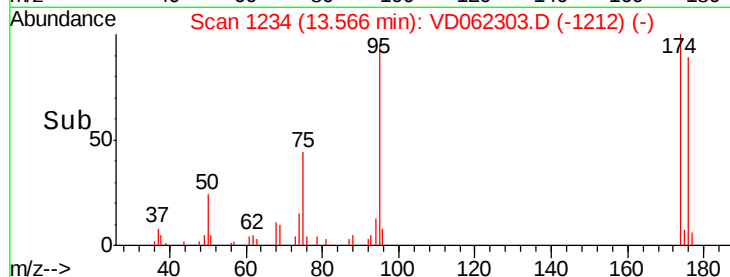
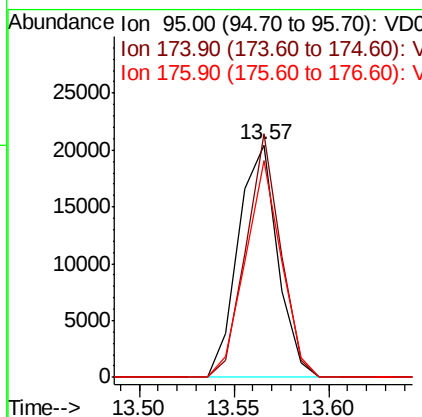
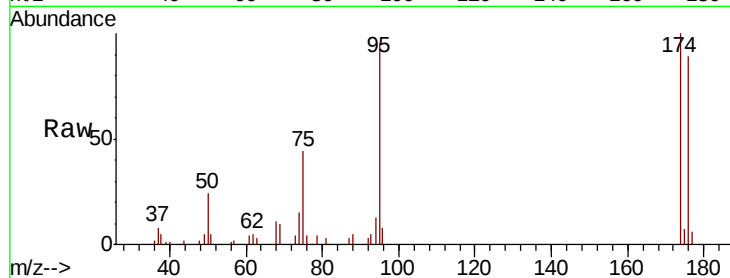




#62
4-Bromofluorobenzene
Concen: 39.991 ug/l
RT: 13.57 min Scan# 1234
Delta R.T. 0.02 min
Lab File: VD062303.D
Acq: 13 May 2019 14:31

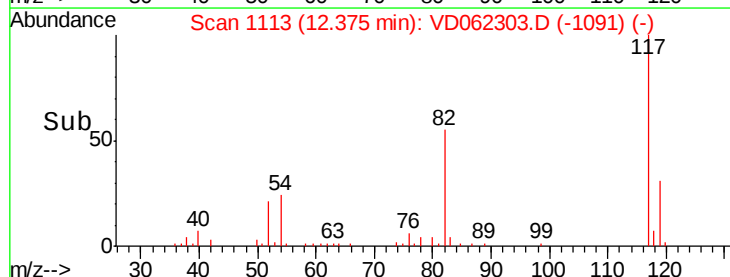
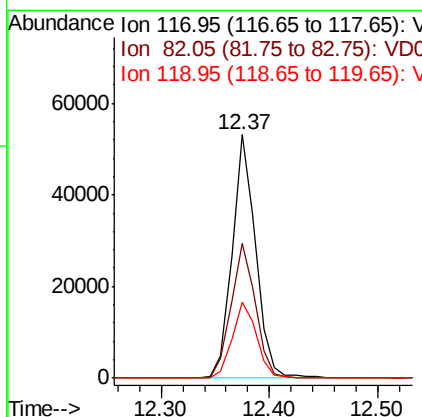
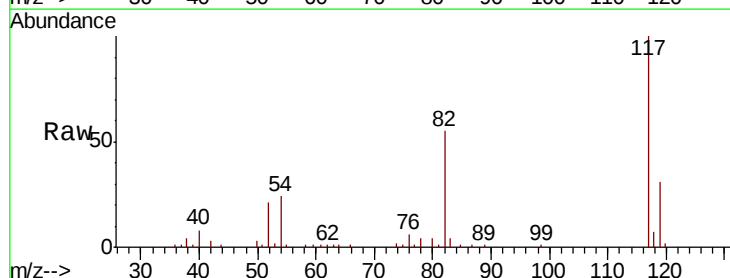
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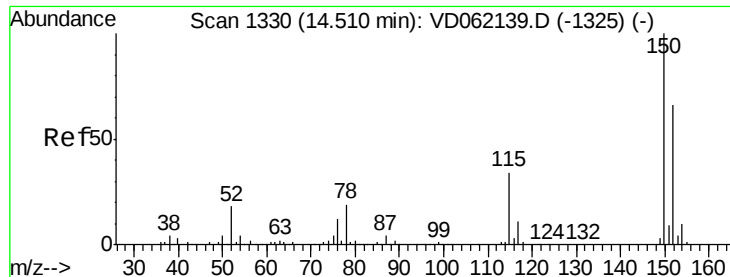
Tot Ion: 95 Resp: 29389
Ion Ratio Lower Upper
95 100
174 104.9 0.0 181.8
176 93.6 0.0 174.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 12.37 min Scan# 1113
Delta R.T. 0.02 min
Lab File: VD062303.D
Acq: 13 May 2019 14:31

Tgt Ion: 117 Resp: 80217
Ion Ratio Lower Upper
117 100
82 55.3 36.2 54.2#
119 31.0 26.2 39.4





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 14.52 min Scan# 1331

Delta R.T. 0.01 min

Lab File: VD062303.D

Acq: 13 May 2019 14:31

Instrument :

MSVOA_D

ClientSampleId :

P026-SS007-1824-01RE

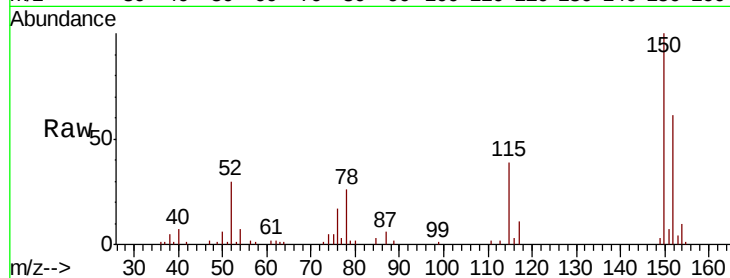
Tot Ion:152 Resp: 39758

Ion Ratio Lower Upper

152 100

115 64.4 30.9 92.7

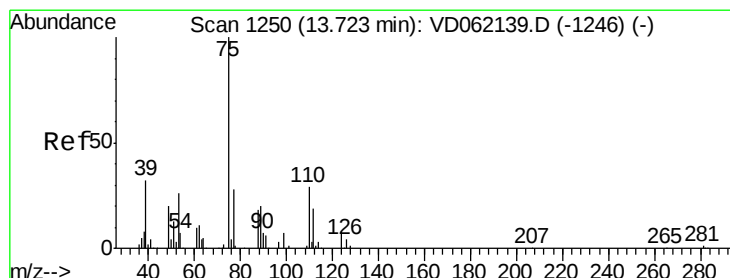
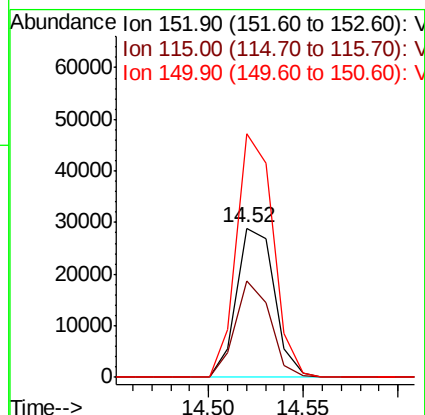
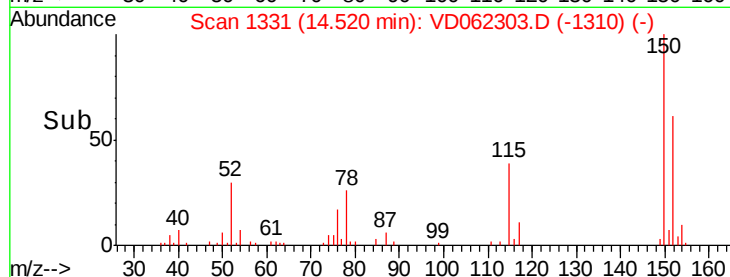
150 163.5 0.0 314.8



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: 25.294 ug/l

RT: 13.57 min Scan# 1234

Delta R.T. -0.16 min

Lab File: VD062303.D

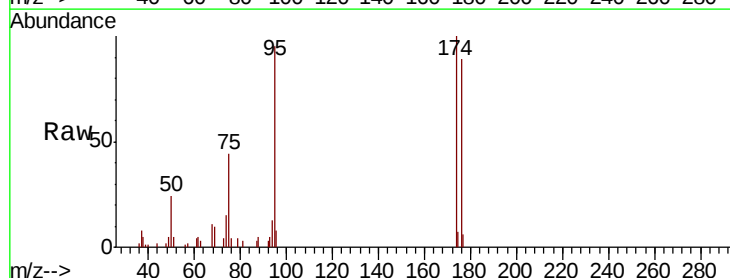
Acq: 13 May 2019 14:31

Tgt Ion: 75 Resp: 11951

Ion Ratio Lower Upper

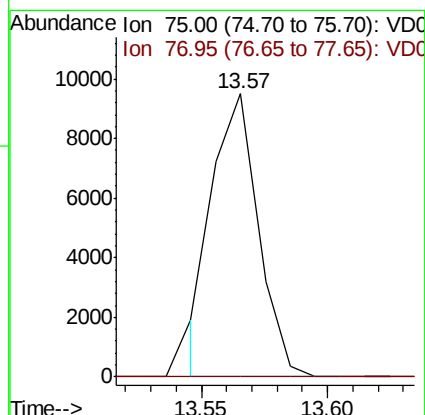
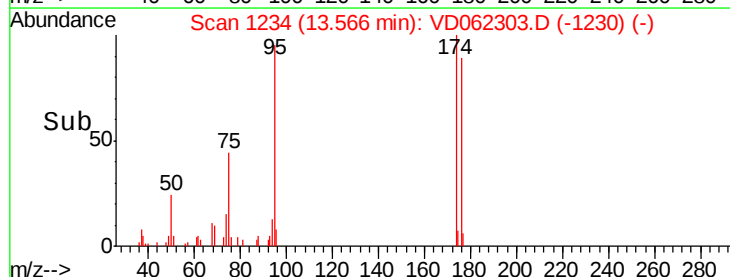
75 100

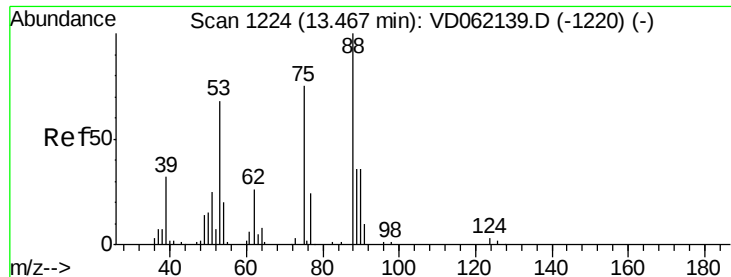
77 0.0 16.4 49.4#



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: 97.971 ug/l

RT: 13.57 min Scan# 1234

Delta R.T. 0.10 min

Lab File: VD062303.D

Acq: 13 May 2019 14:31

Instrument :

MSVOA_D

ClientSampleId :

P026-SS007-1824-01RE

Tot Ion: 75 Resp: 13068

Ion Ratio Lower Upper

75 100

53 0.0 65.8 98.8#

89 0.0 35.0 52.6#

