

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD051719\
 Data File : VD062450.D
 Acq On : 17 May 2019 20:38
 Operator : FY/SY
 Sample : K2900-01
 Misc : 4.34g/5mL/MSVOA D/SOIL
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 P-2(0-10)

Quant Time: May 18 00:06:28 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

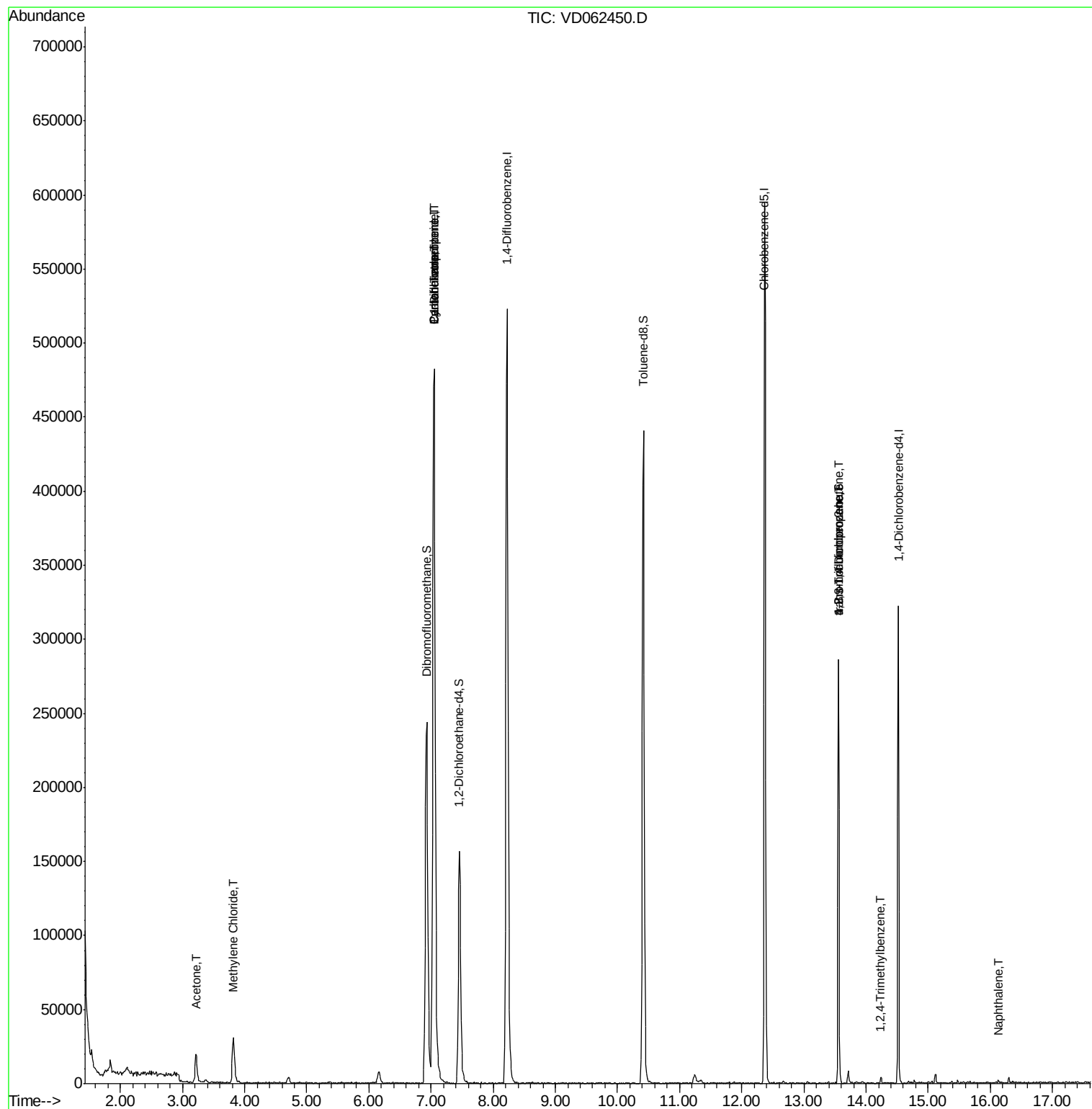
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.05	168	469210	50.00	ug/l	0.03
34) 1,4-Difluorobenzene	8.22	114	578196	50.00	ug/l	0.03
63) Chlorobenzene-d5	12.37	117	333051	50.00	ug/l	0.01
72) 1,4-Dichlorobenzene-d4	14.52	152	65996	50.00	ug/l	0.01
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	7.46	65	177299	40.66	ug/l	0.03
Spiked Amount 50.000			Recovery	=	81.32%	
35) Dibromofluoromethane	6.93	113	221751	46.22	ug/l	0.04
Spiked Amount 50.000			Recovery	=	92.44%	
50) Toluene-d8	10.42	98	353157	30.53	ug/l	0.02
Spiked Amount 50.000			Recovery	=	61.06%	
62) 4-Bromofluorobenzene	13.56	95	78189	16.83	ug/l	0.01
Spiked Amount 50.000			Recovery	=	33.66%	
Target Compounds						
					Qvalue	
16) Acetone	3.21	43	35934	39.297	ug/l #	78
18) Methyl Acetate	3.64	43	196	Below Cal	#	53
20) Methylene Chloride	3.81	84	20545	5.381	ug/l #	81
31) Cyclohexane	7.04	56	9928	2.170	ug/l #	8
36) 1,1-Dichloropropene	7.04	75	36937	7.792	ug/l #	46
38) Carbon Tetrachloride	7.05	117	47742	7.276	ug/l #	16
76) 1,2,3-Trichloropropane	13.56	75	24554	31.306	ug/l #	42
81) trans-1,4-Dichloro-2-buten	13.56	75	33468	151.155	ug/l #	16
84) 1,2,4-Trimethylbenzene	14.24	105	3368	1.007	ug/l	68
95) Naphthalene	16.12	128	2029	1.198	ug/l #	70

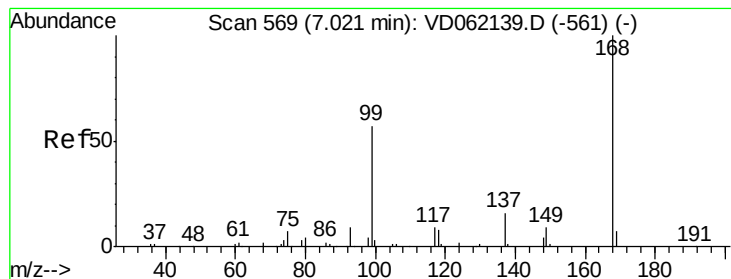
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD051719\
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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: 7.05 min Scan# 572

Delta R.T. 0.03 min

Lab File: VD062450.D

Acq: 17 May 2019 20:38

Instrument :

MSVOA_D

ClientSampleId :

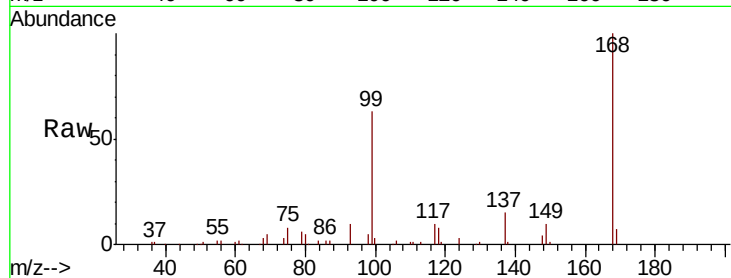
P-2(0-10)

Tot Ion:168 Resp: 469210

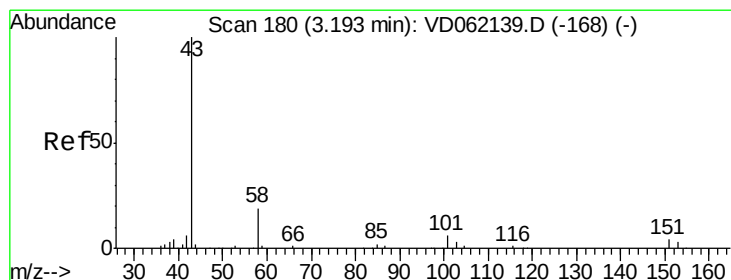
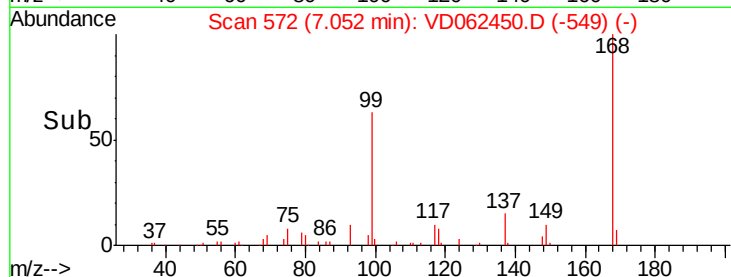
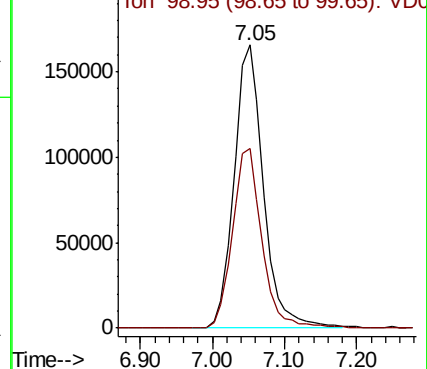
Ion Ratio Lower Upper

168 100

99 63.4 46.5 69.7



Abundance Ion 167.90 (167.60 to 168.60): V



#16

Acetone

Concen: 39.297 ug/l

RT: 3.21 min Scan# 182

Delta R.T. 0.02 min

Lab File: VD062450.D

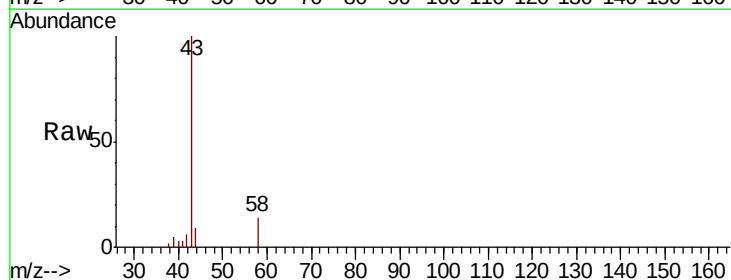
Acq: 17 May 2019 20:38

Tgt Ion: 43 Resp: 35934

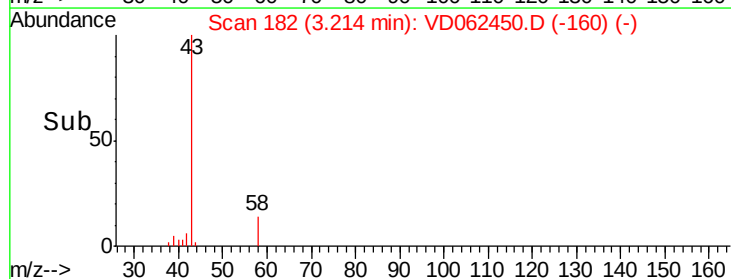
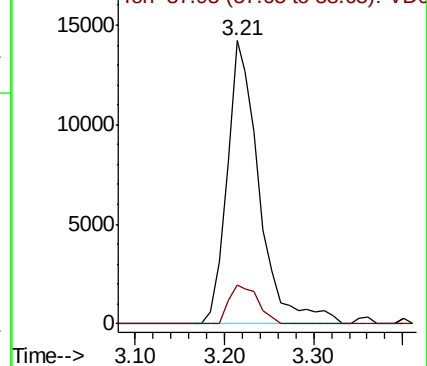
Ion Ratio Lower Upper

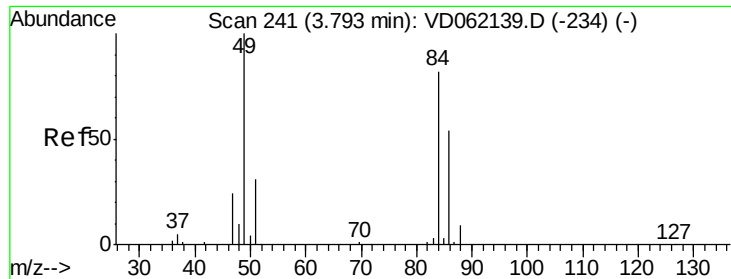
43 100

58 13.9 19.9 29.9#



Abundance Ion 42.95 (42.65 to 43.65): V

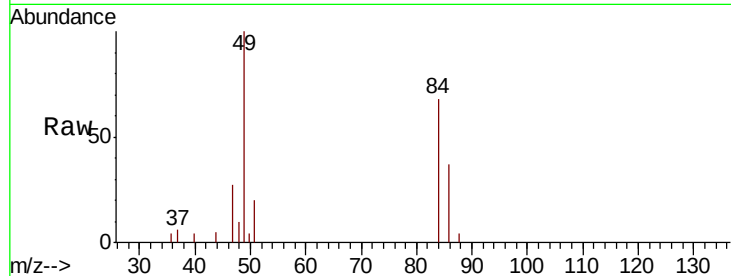




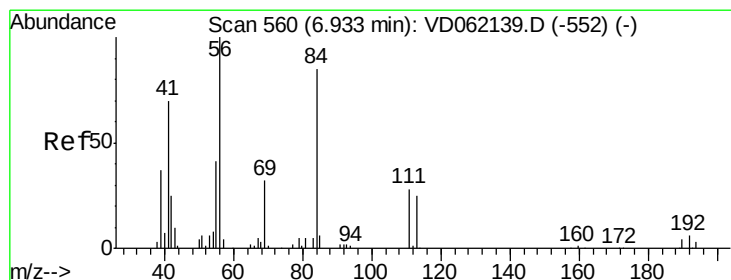
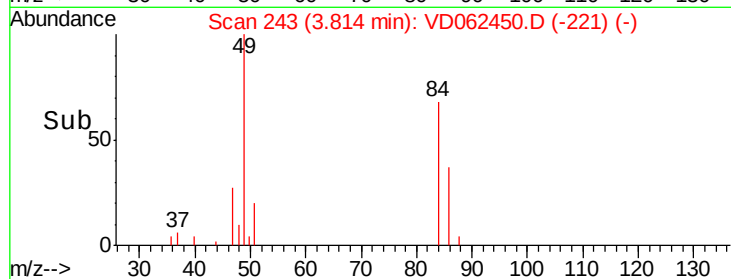
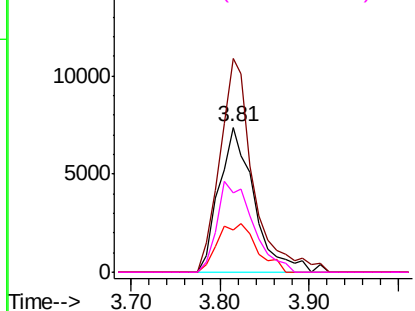
#20
Methylene Chloride
Concen: 5.381 ug/l
RT: 3.81 min Scan# 243
Delta R.T. 0.02 min
Lab File: VD062450.D
Acq: 17 May 2019 20:38

Instrument :
MSVOA_D
ClientSampleId :
P-2(0-10)

Tot Ion:	84	Resp:	20545
Ion	Ratio	Lower	Upper
84	100		
49	147.0	94.0	141.0#
51	29.4	29.0	43.4
86	54.9	49.8	74.6

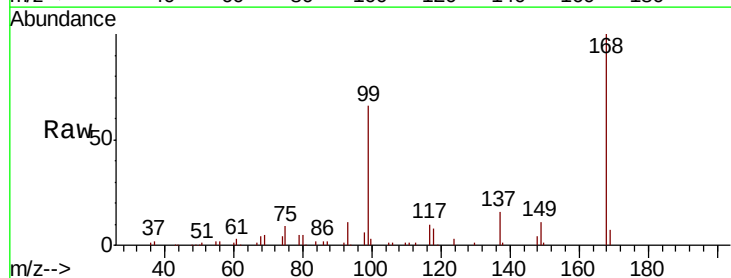


Abundance Ion 83.95 (83.65 to 84.65): VDC
Ion 48.90 (48.60 to 49.60): VDC
Ion 50.90 (50.60 to 51.60): VDC
Ion 85.90 (85.60 to 86.60): VDC

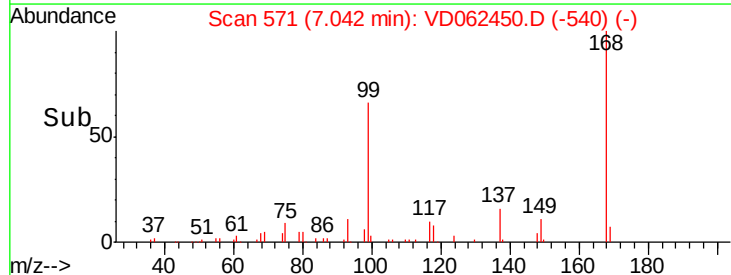
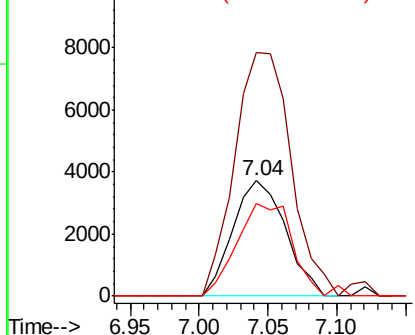


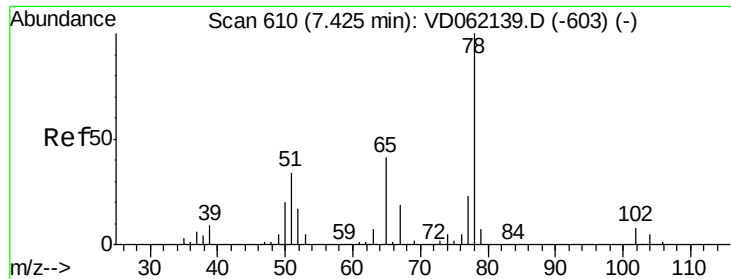
#31
Cyclohexane
Concen: 2.170 ug/l
RT: 7.04 min Scan# 571
Delta R.T. 0.11 min
Lab File: VD062450.D
Acq: 17 May 2019 20:38

Tgt Ion:	56	Resp:	9928
Ion	Ratio	Lower	Upper
56	100		
69	211.2	25.8	38.6#
84	80.1	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: 40.661 ug/l

RT: 7.46 min Scan# 613

Delta R.T. 0.03 min

Lab File: VD062450.D

Acq: 17 May 2019 20:38

Instrument :

MSVOA_D

ClientSampleId :

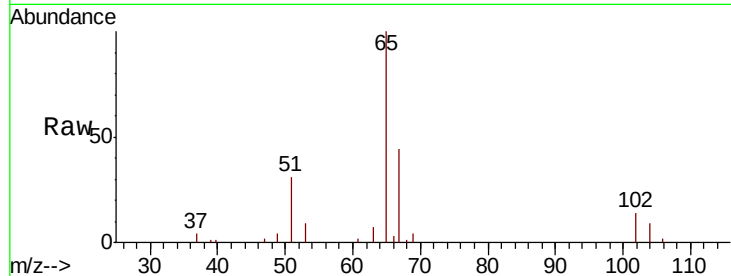
P-2(0-10)

Tot Ion: 65 Resp: 177299

Ion Ratio Lower Upper

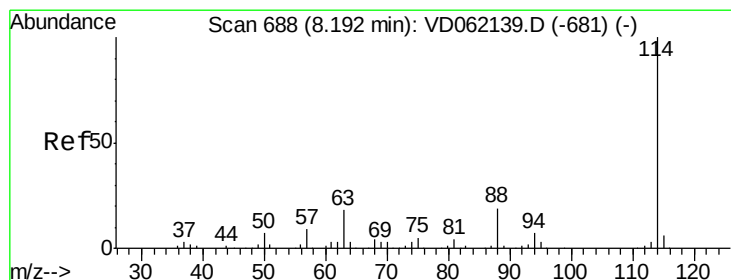
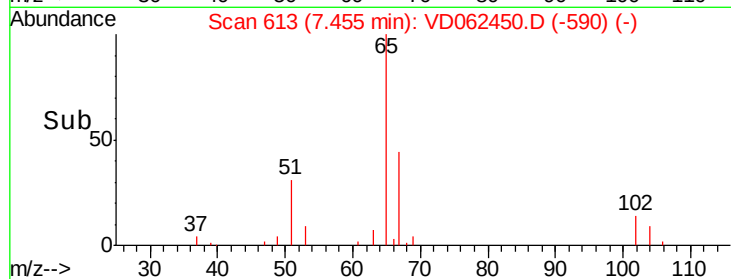
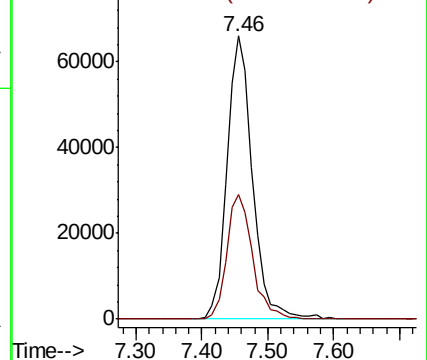
65 100

67 44.0 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: 8.22 min Scan# 691

Delta R.T. 0.03 min

Lab File: VD062450.D

Acq: 17 May 2019 20:38

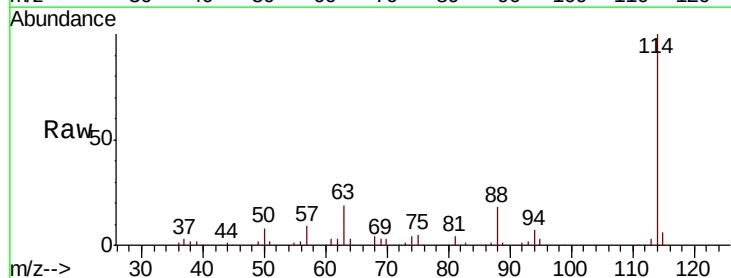
Tgt Ion: 114 Resp: 578196

Ion Ratio Lower Upper

114 100

63 18.6 0.0 32.4

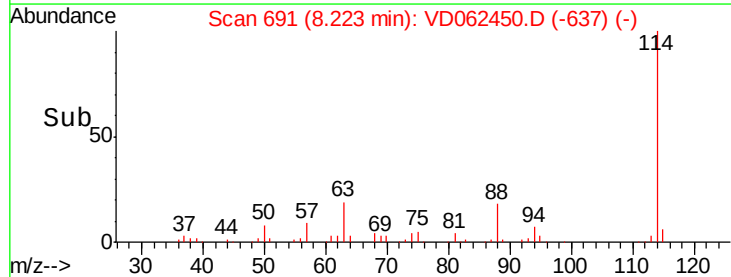
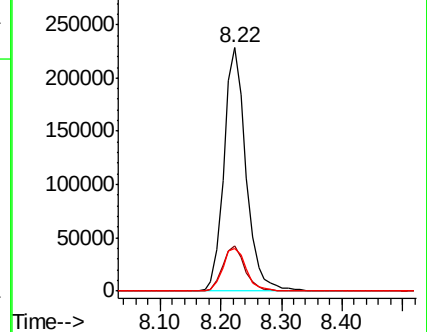
88 17.6 0.0 33.6

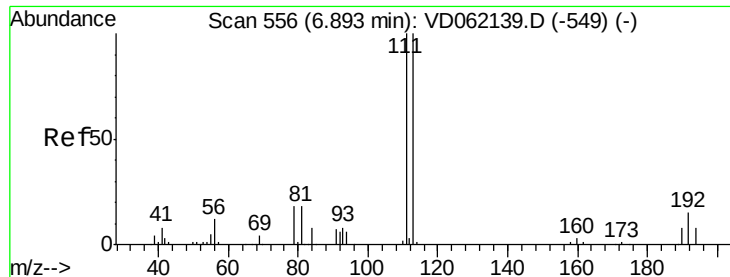


Abundance Ion 114.00 (113.70 to 114.70): V

Ion 62.95 (62.65 to 63.65): VDC

Ion 87.90 (87.60 to 88.60): VDC





#35

Dibromofluoromethane

Concen: 46.224 ug/l

RT: 6.93 min Scan# 560

Delta R.T. 0.04 min

Lab File: VD062450.D

Acq: 17 May 2019 20:38

Instrument :

MSVOA_D

ClientSampled :

P-2(0-10)

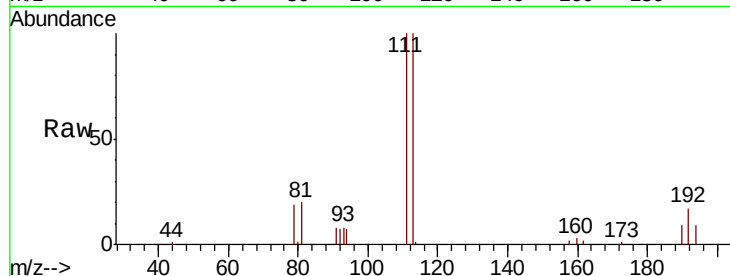
Tot Ion:113 Resp: 221751

Ion Ratio Lower Upper

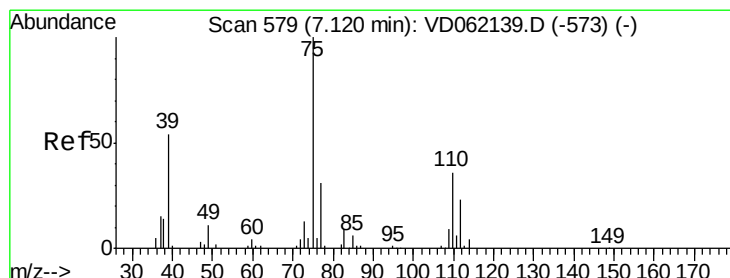
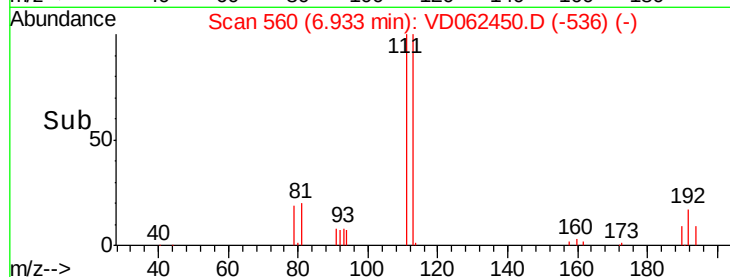
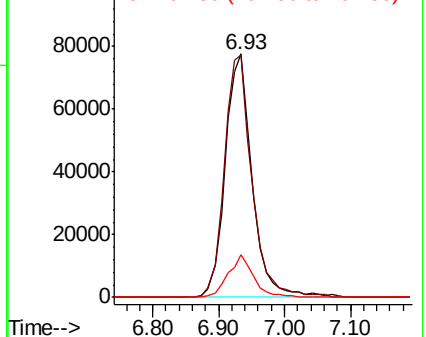
113 100

111 99.8 78.5 117.7

192 17.3 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: 7.792 ug/l

RT: 7.04 min Scan# 571

Delta R.T. -0.08 min

Lab File: VD062450.D

Acq: 17 May 2019 20:38

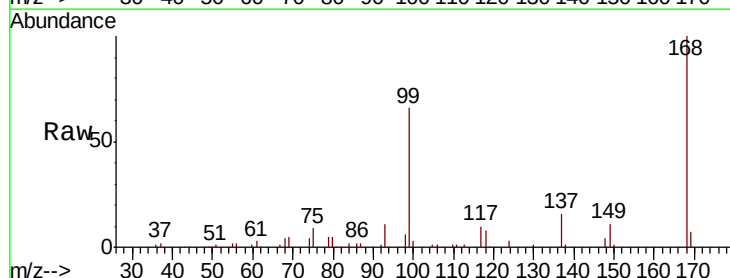
Tgt Ion: 75 Resp: 36937

Ion Ratio Lower Upper

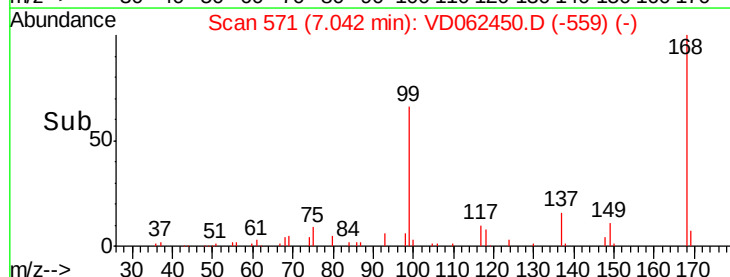
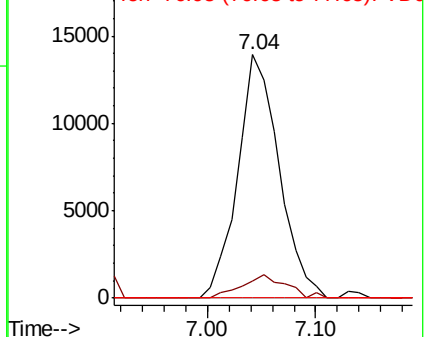
75 100

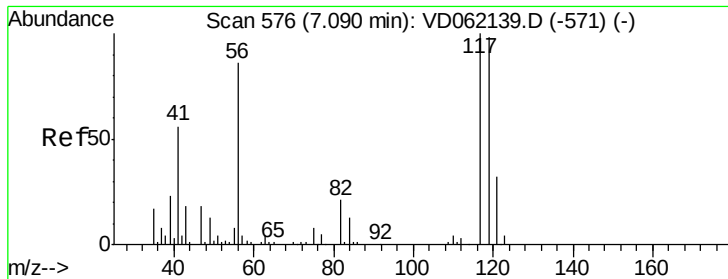
110 7.1 19.1 57.1#

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: 7.276 ug/l

RT: 7.05 min Scan# 572

Delta R.T. -0.04 min

Lab File: VD062450.D

Acq: 17 May 2019 20:38

Instrument :

MSVOA_D

ClientSampleId :

P-2(0-10)

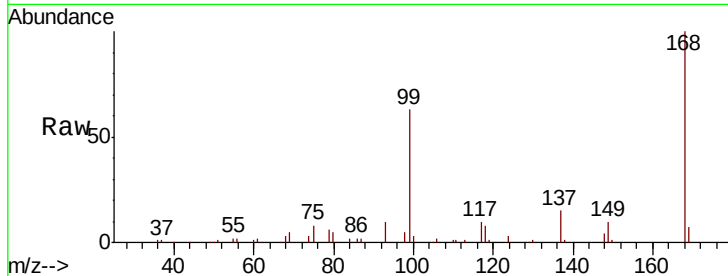
Tot Ion:117 Resp: 47742

Ion Ratio Lower Upper

117 100

119 5.0 75.8 113.8#

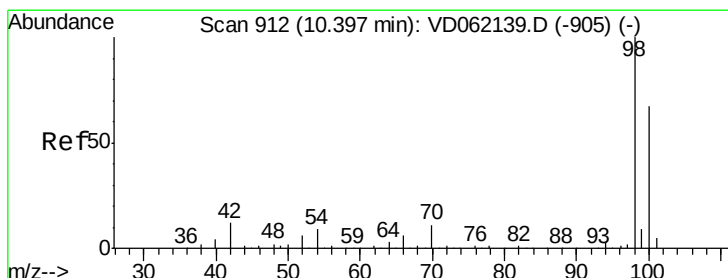
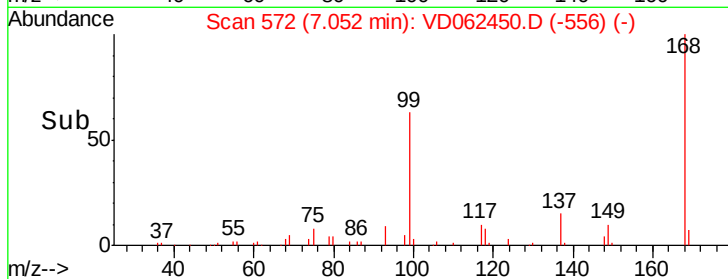
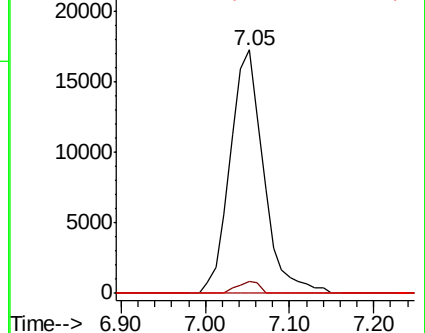
121 0.0 25.9 38.9#



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: 30.532 ug/l

RT: 10.42 min Scan# 914

Delta R.T. 0.02 min

Lab File: VD062450.D

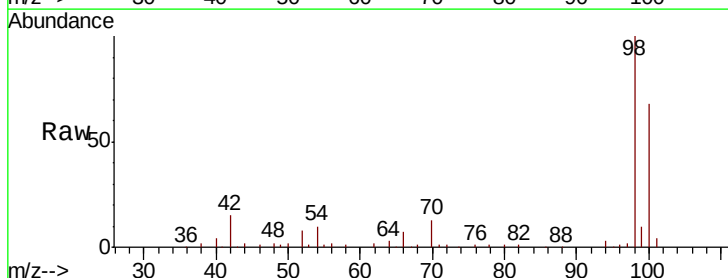
Acq: 17 May 2019 20:38

Tgt Ion: 98 Resp: 353157

Ion Ratio Lower Upper

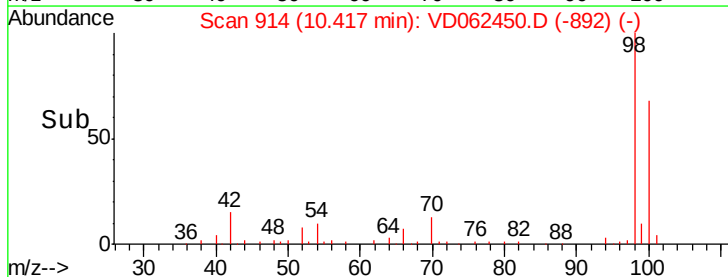
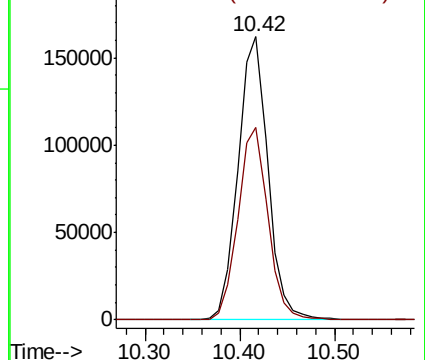
98 100

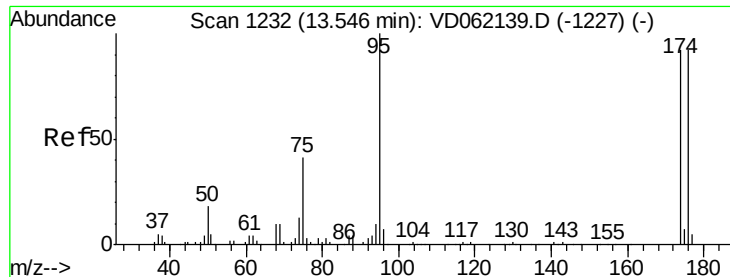
100 68.1 53.8 80.8



Abundance Ion 98.05 (97.75 to 98.75): V

Ion 100.05 (99.75 to 100.75): V





#62

4-Bromofluorobenzene

Concen: 16.834 ug/l

RT: 13.56 min Scan# 1233

Delta R.T. 0.01 min

Lab File: VD062450.D

Acq: 17 May 2019 20:38

Instrument :

MSVOA_D

ClientSampleId :

P-2(0-10)

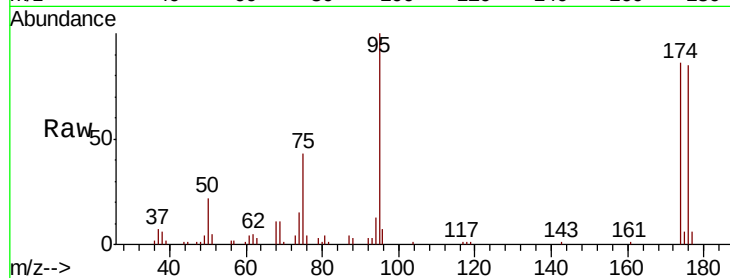
Tot Ion: 95 Resp: 78189

Ion Ratio Lower Upper

95 100

174 86.4 0.0 181.8

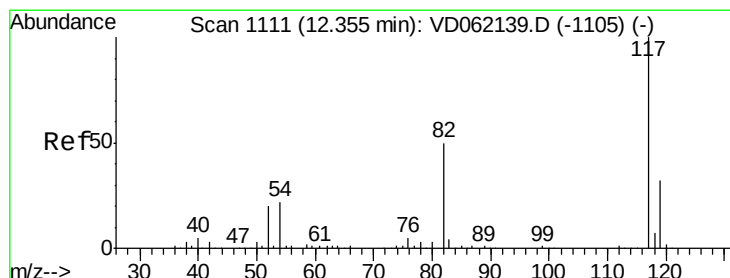
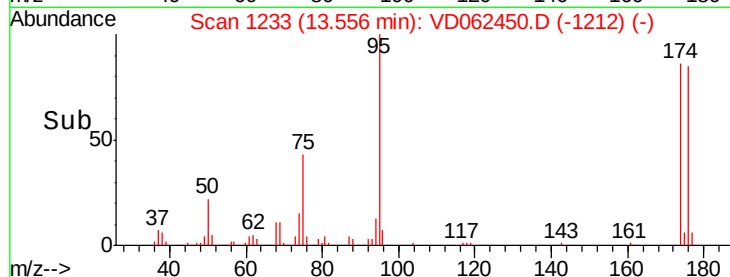
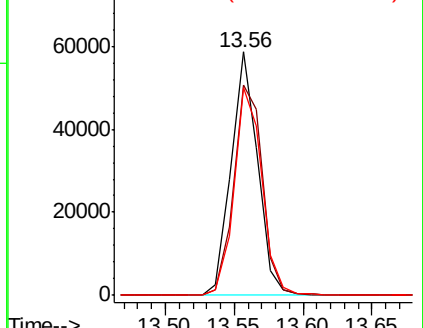
176 85.5 0.0 174.4



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: 12.37 min Scan# 1112

Delta R.T. 0.01 min

Lab File: VD062450.D

Acq: 17 May 2019 20:38

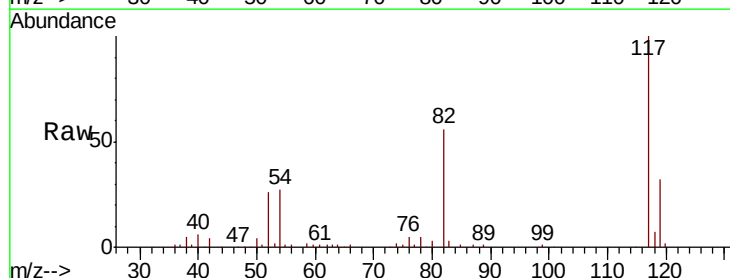
Tgt Ion: 117 Resp: 333051

Ion Ratio Lower Upper

117 100

82 55.8 36.2 54.2#

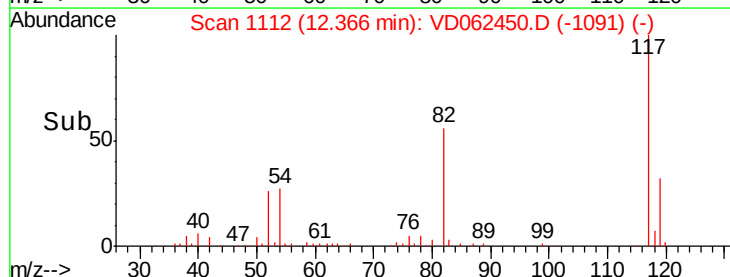
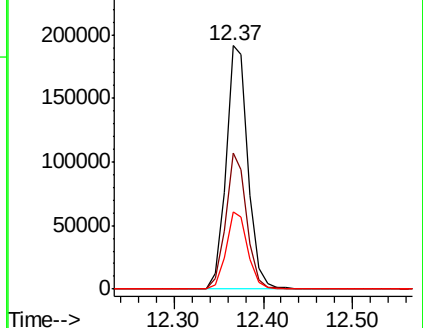
119 31.5 26.2 39.4

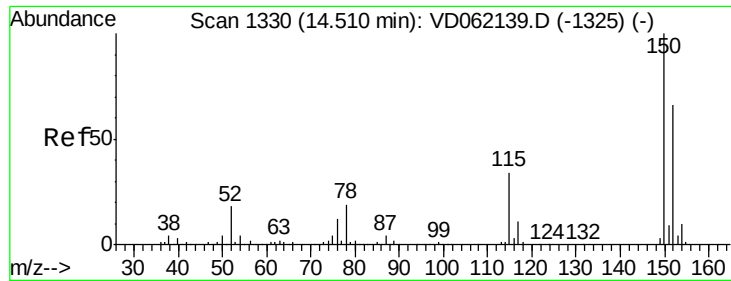


Abundance Ion 116.95 (116.65 to 117.65): V

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: 14.52 min Scan# 1331

Delta R.T. 0.01 min

Lab File: VD062450.D

Acq: 17 May 2019 20:38

Instrument :

MSVOA_D

ClientSampled :

P-2(0-10)

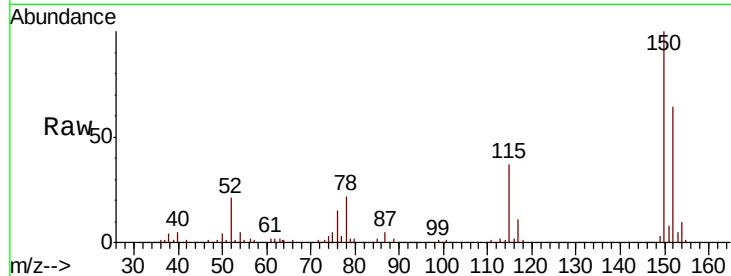
Tot Ion:152 Resp: 65996

Ion Ratio Lower Upper

152 100

115 57.5 30.9 92.7

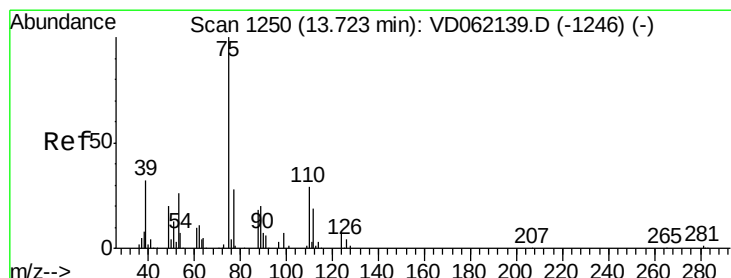
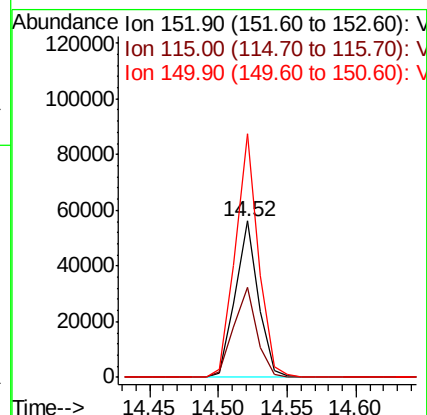
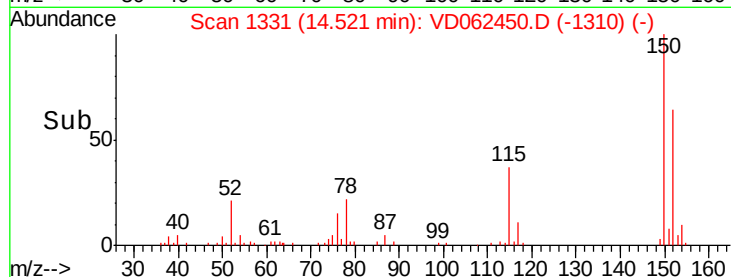
150 155.5 0.0 314.8



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: 31.306 ug/l

RT: 13.56 min Scan# 1233

Delta R.T. -0.17 min

Lab File: VD062450.D

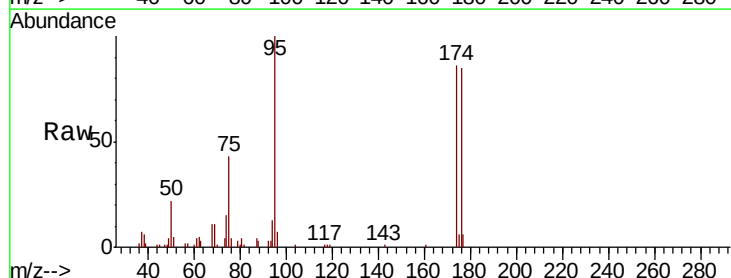
Acq: 17 May 2019 20:38

Tgt Ion: 75 Resp: 24554

Ion Ratio Lower Upper

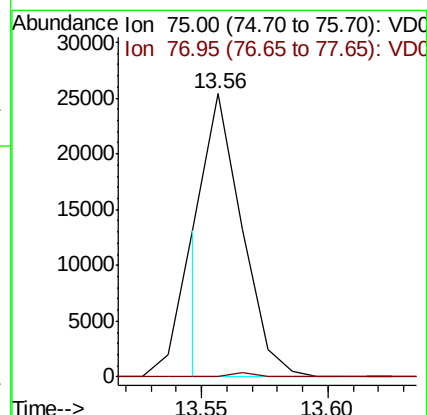
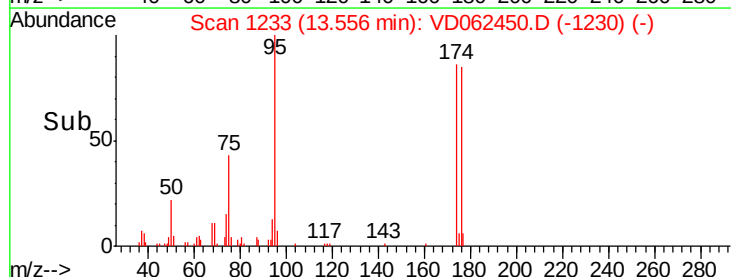
75 100

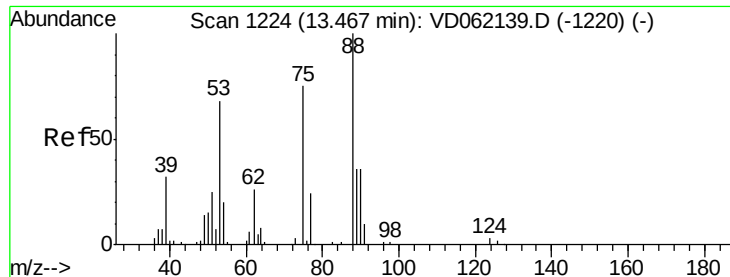
77 0.0 16.4 49.4#



Abundance Ion 75.00 (74.70 to 75.70): V

Ion 76.95 (76.65 to 77.65): V





#81

trans-1,4-Dichloro-2-butene

Concen: 151.155 ug/l

RT: 13.56 min Scan# 1233

Delta R.T. 0.09 min

Lab File: VD062450.D

Acq: 17 May 2019 20:38

Instrument :

MSVOA_D

ClientSampleId :

P-2(0-10)

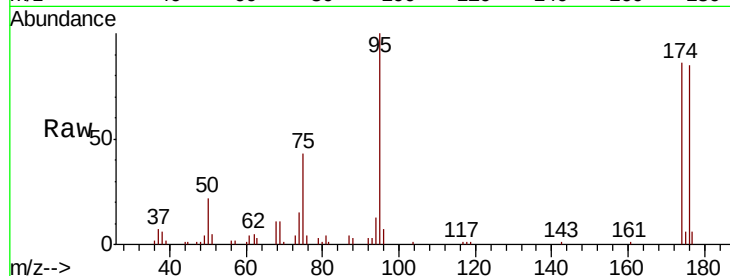
Tot Ion: 75 Resp: 33468

Ion Ratio Lower Upper

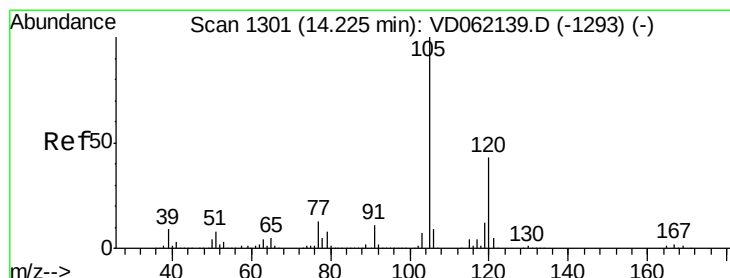
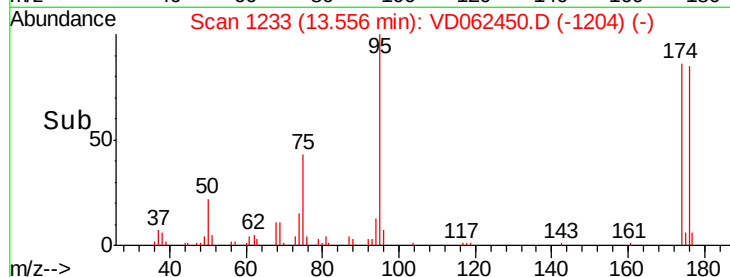
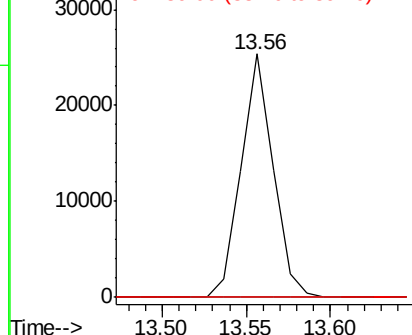
75 100

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



#84

1,2,4-Trimethylbenzene

Concen: 1.007 ug/l

RT: 14.24 min Scan# 1302

Delta R.T. 0.01 min

Lab File: VD062450.D

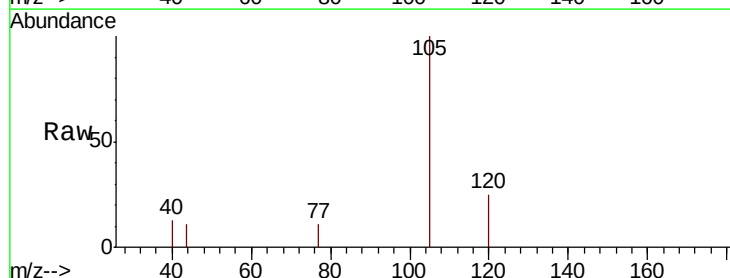
Acq: 17 May 2019 20:38

Tgt Ion:105 Resp: 3368

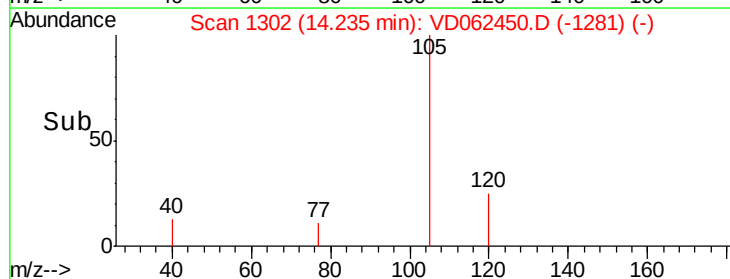
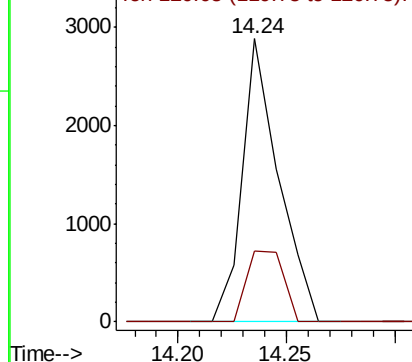
Ion Ratio Lower Upper

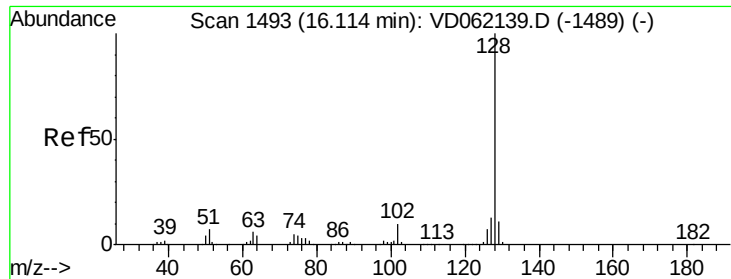
105 100

120 24.9 23.1 69.2



Abundance Ion 105.05 (104.75 to 105.75): V
Ion 120.05 (119.75 to 120.75): V





#95

Naphthalene

Concen: 1.198 ug/l

RT: 16.12 min Scan# 1494

Delta R.T. 0.01 min

Lab File: VD062450.D

Acq: 17 May 2019 20:38

Instrument :

MSVOA_D

ClientSampleId :

P-2(0-10)

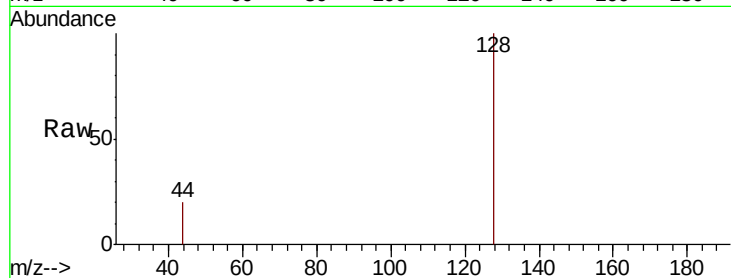
Tot Ion:128 Resp: 2029

Ion Ratio Lower Upper

128 100

127 0.0 9.8 14.8#

129 0.0 8.8 13.2#



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V

