

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD061819\
 Data File : VD062774.D
 Acq On : 19 Jun 2019 5:06
 Operator : VA/AP
 Sample : K3157-07
 Misc : 6.44g/5ml/MSVOA D/SOIL
 ALS Vial : 40 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 CL-01-061719-D

Quant Time: Jun 19 07:26:48 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D060719S.M
 Quant Title : SW846 8260
 QLast Update : Sat Jun 08 00:02:21 2019
 Response via : Initial Calibration

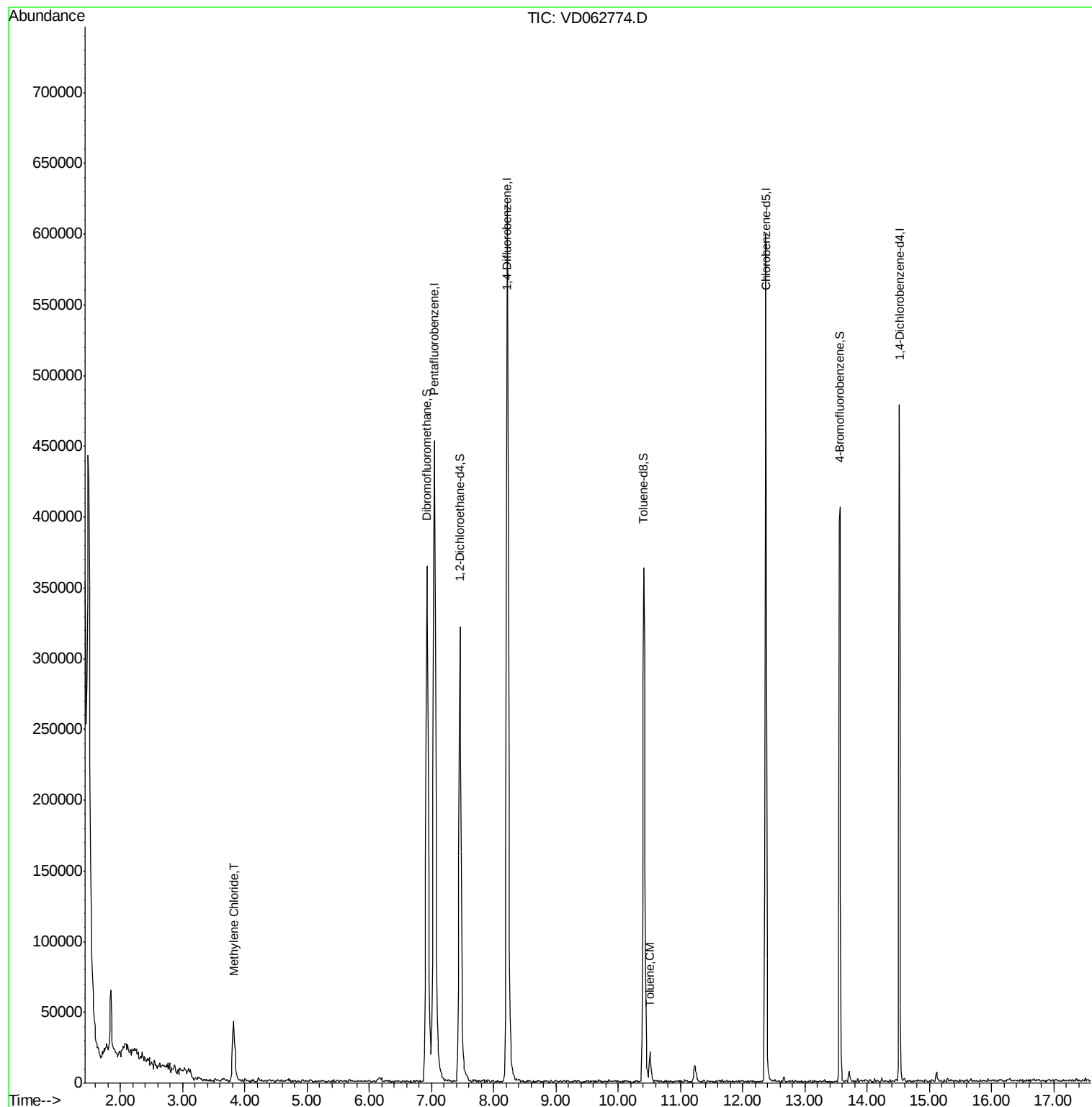
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.04	168	444085	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.23	114	643045	50.00	ug/l	0.00
63) Chlorobenzene-d5	12.37	117	304650	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	14.52	152	98183	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	7.46	65	350186	54.65	ug/l	0.00
Spiked Amount 50.000			Recovery	=	109.30%	
35) Dibromofluoromethane	6.93	113	325892	48.05	ug/l	0.00
Spiked Amount 50.000			Recovery	=	96.10%	
50) Toluene-d8	10.41	98	287829	20.18	ug/l	0.00
Spiked Amount 50.000			Recovery	=	40.36%	
62) 4-Bromofluorobenzene	13.55	95	122233	18.36	ug/l	0.00
Spiked Amount 50.000			Recovery	=	36.72%	
Target Compounds						
20) Methylene Chloride	3.83	84	26721	5.635	ug/l	93
52) Toluene	10.51	92	9946	1.029	ug/l	78

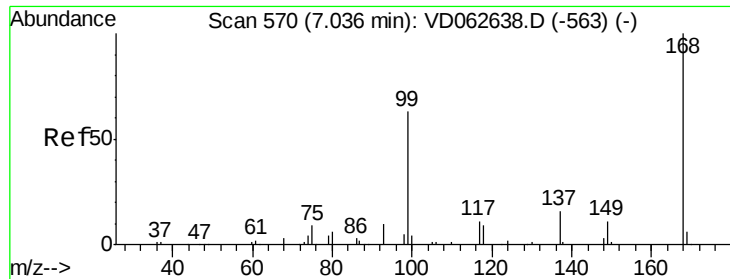
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.04 min Scan# 571

Delta R.T. 0.01 min

Lab File: VD062774.D

Acq: 19 Jun 2019 5:06

Instrument :

MSVOA_D

ClientSampleId :

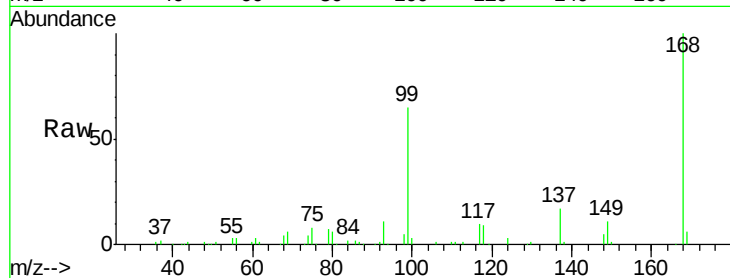
CL-01-061719-D

Tot Ion:168 Resp: 444085

Ion Ratio Lower Upper

168 100

99 64.6 51.4 77.2



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC

7.04

150000

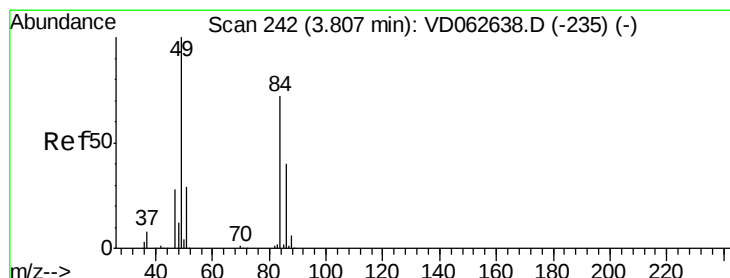
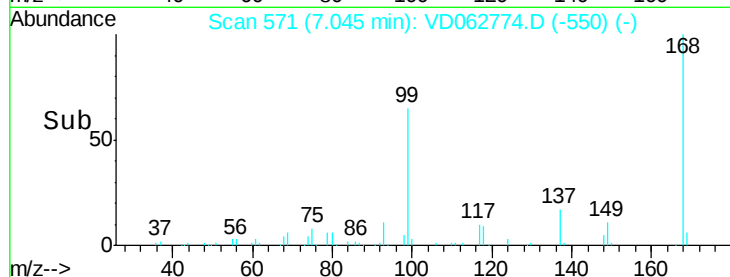
100000

50000

0

Time-->

6.90 7.00 7.10 7.20



#20

Methylene Chloride

Concen: 5.635 ug/l

RT: 3.83 min Scan# 244

Delta R.T. 0.02 min

Lab File: VD062774.D

Acq: 19 Jun 2019 5:06

Tgt Ion: 84 Resp: 26721

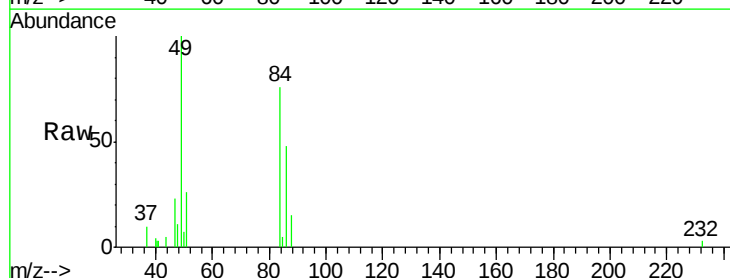
Ion Ratio Lower Upper

84 100

49 132.4 111.2 166.8

51 34.4 31.9 47.9

86 64.0 44.7 67.1



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

20000

15000

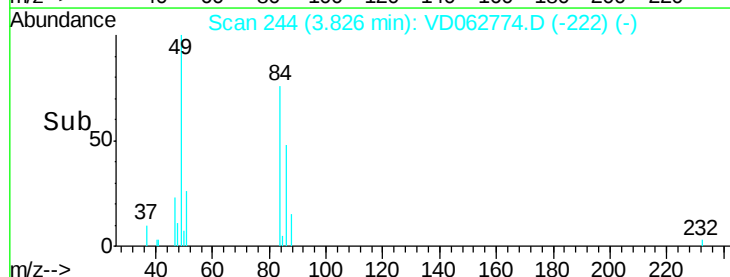
10000

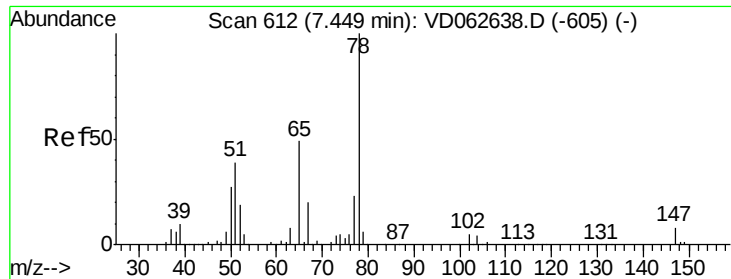
5000

0

Time-->

3.70 3.80 3.90





#33

1,2-Dichloroethane-d4

Concen: 54.647 ug/l

RT: 7.46 min Scan# 613

Delta R.T. 0.01 min

Lab File: VD062774.D

Acq: 19 Jun 2019 5:06

Instrument :

MSVOA_D

ClientSampleId :

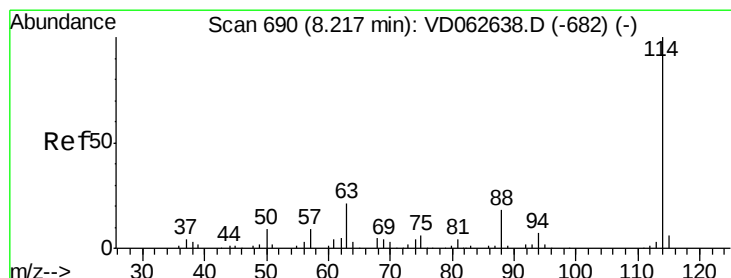
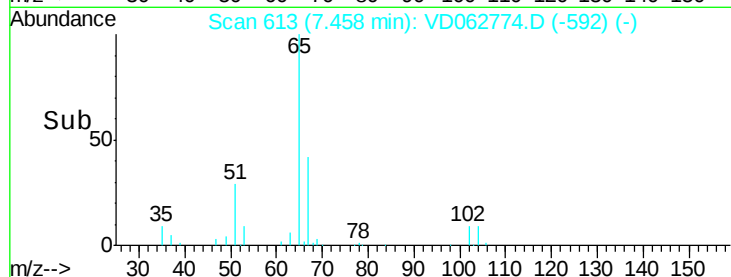
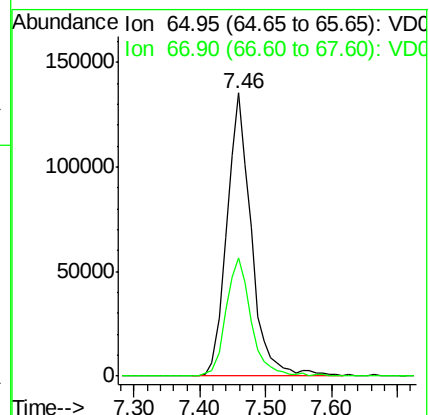
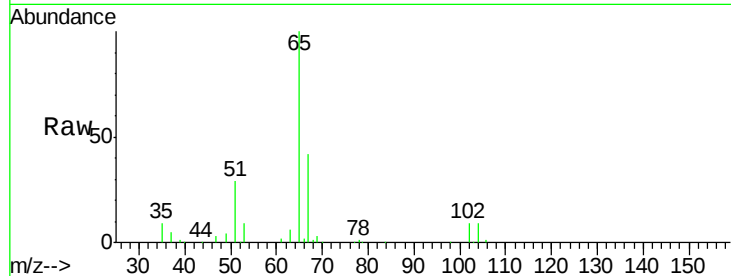
CL-01-061719-D

Tot Ion: 65 Resp: 350186

Ion Ratio Lower Upper

65 100

67 41.6 0.0 81.8



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.23 min Scan# 691

Delta R.T. 0.01 min

Lab File: VD062774.D

Acq: 19 Jun 2019 5:06

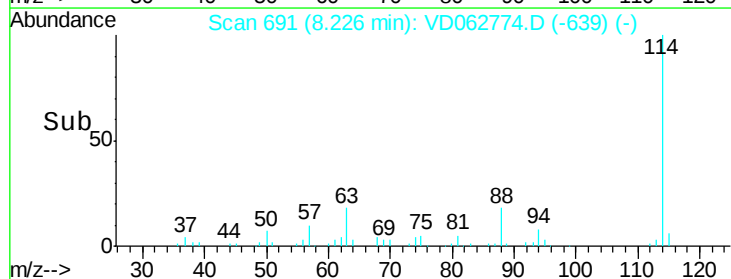
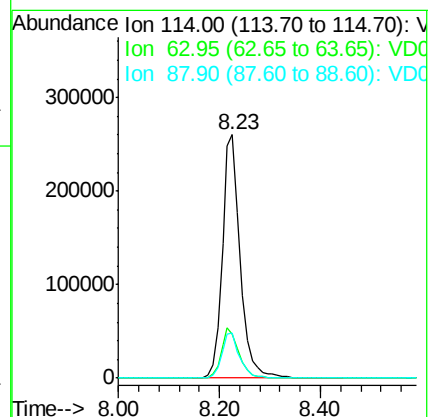
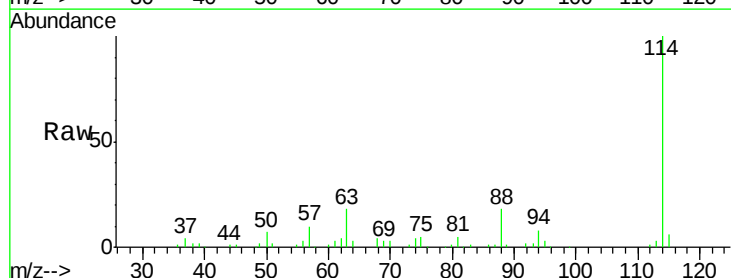
Tgt Ion: 114 Resp: 643045

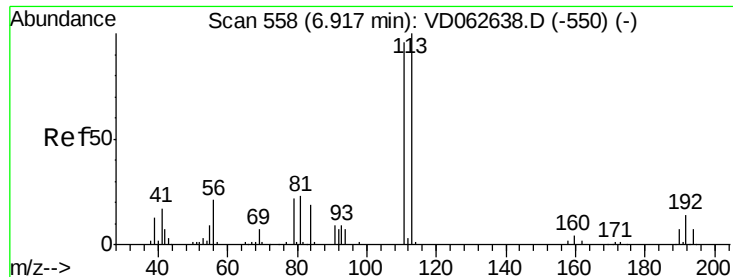
Ion Ratio Lower Upper

114 100

63 17.8 0.0 42.4

88 18.4 0.0 36.8





#35

Dibromofluoromethane

Concen: 48.054 ug/l

RT: 6.93 min Scan# 559

Delta R.T. 0.01 min

Lab File: VD062774.D

Acq: 19 Jun 2019 5:06

Instrument :

MSVOA_D

ClientSampleId :

CL-01-061719-D

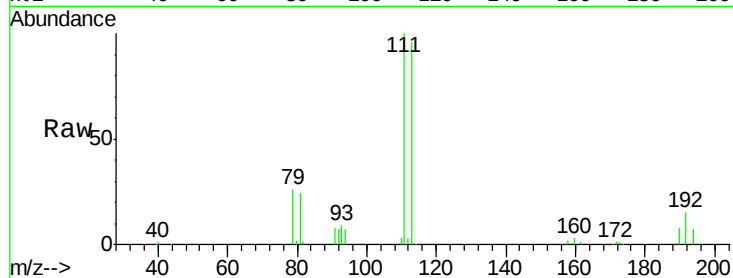
Tot Ion:113 Resp: 325892

Ion Ratio Lower Upper

113 100

111 104.7 76.4 114.6

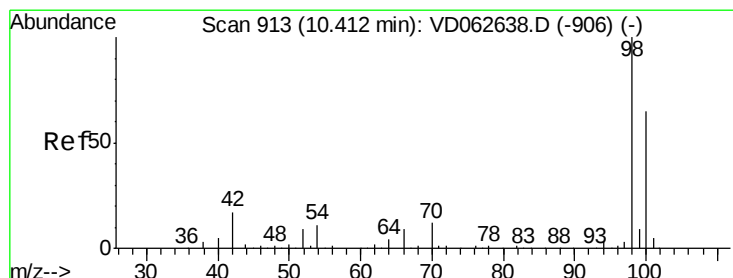
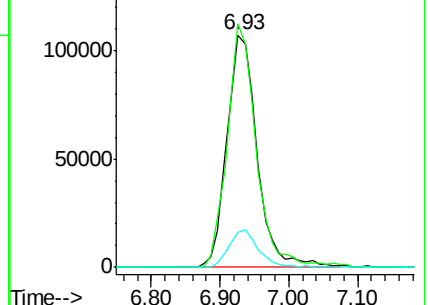
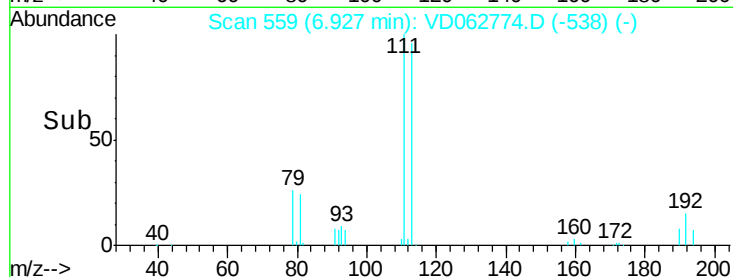
192 15.2 11.4 17.0



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



#50

Toluene-d8

Concen: 20.175 ug/l

RT: 10.41 min Scan# 913

Delta R.T. -0.00 min

Lab File: VD062774.D

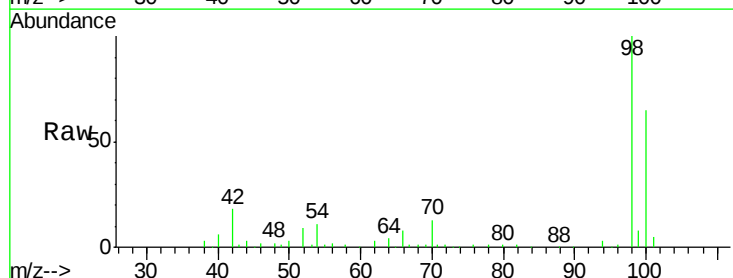
Acq: 19 Jun 2019 5:06

Tgt Ion: 98 Resp: 287829

Ion Ratio Lower Upper

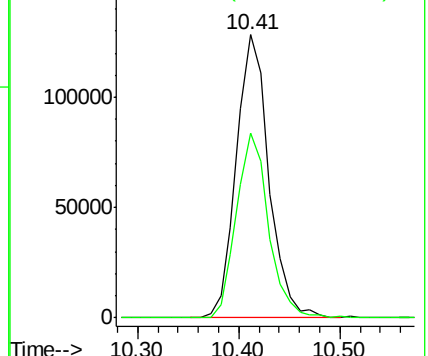
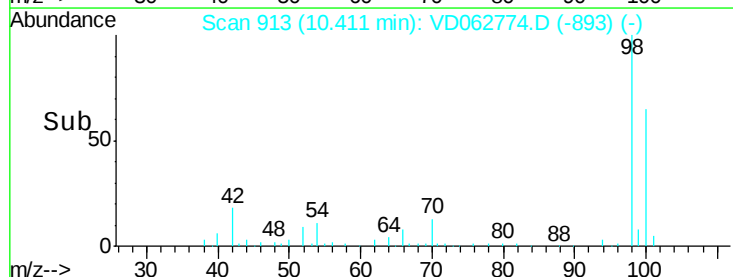
98 100

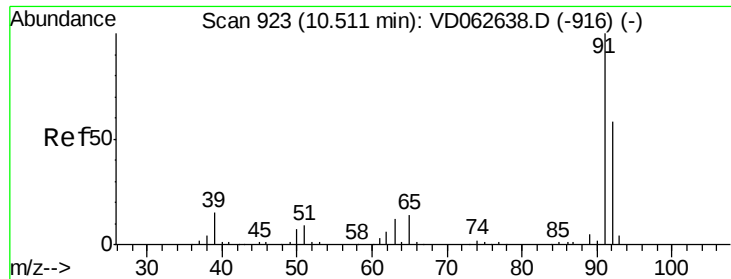
100 65.2 52.1 78.1



Abundance Ion 98.05 (97.75 to 98.75): V

Ion 100.05 (99.75 to 100.75): V





#52

Toluene

Concen: 1.029 ug/l

RT: 10.51 min Scan# 923

Delta R.T. -0.00 min

Lab File: VD062774.D

Acq: 19 Jun 2019 5:06

Instrument :

MSVOA_D

ClientSampleId :

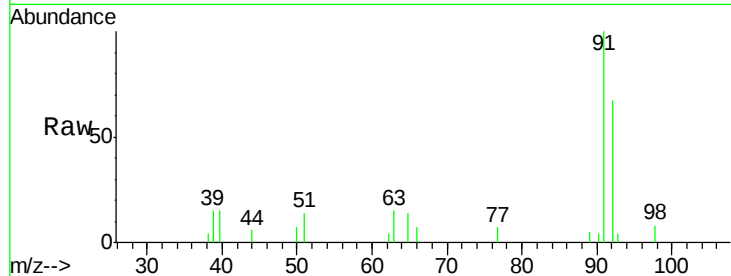
CL-01-061719-D

Tot Ion: 92 Resp: 9946

Ion Ratio Lower Upper

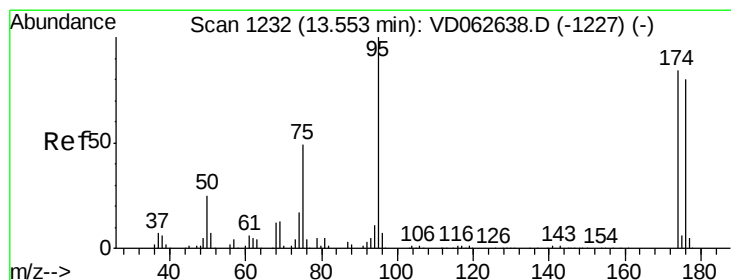
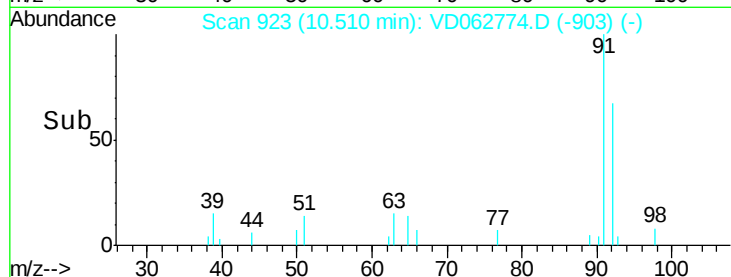
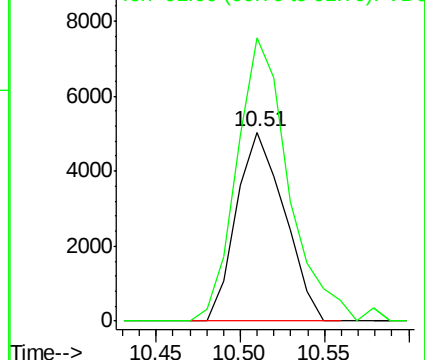
92 100

91 141.4 137.0 205.6



Abundance Ion 92.00 (91.70 to 92.70): VDC

Ion 91.00 (90.70 to 91.70): VDC



#62

4-Bromofluorobenzene

Concen: 18.365 ug/l

RT: 13.55 min Scan# 1232

Delta R.T. -0.00 min

Lab File: VD062774.D

Acq: 19 Jun 2019 5:06

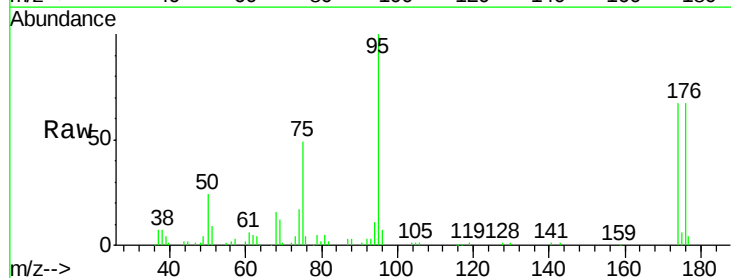
Tgt Ion: 95 Resp: 122233

Ion Ratio Lower Upper

95 100

174 67.3 0.0 167.0

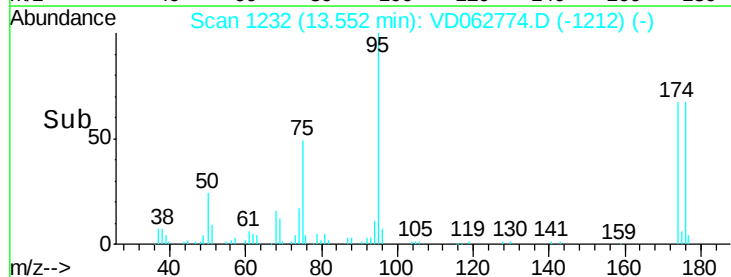
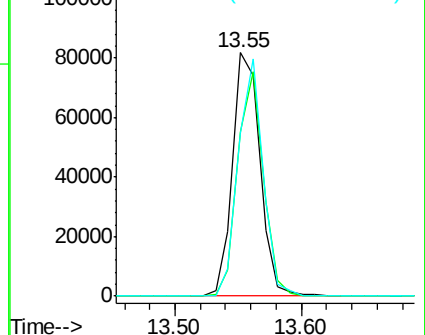
176 66.8 0.0 159.2

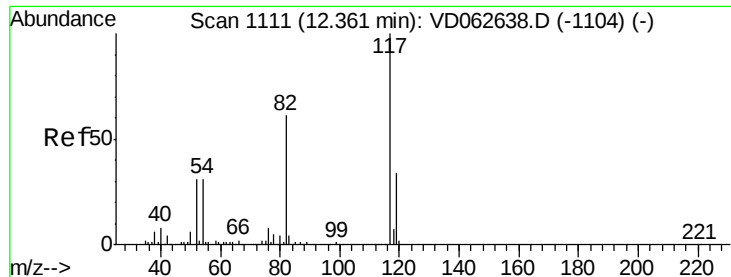


Abundance Ion 95.00 (94.70 to 95.70): VDC

Ion 173.90 (173.60 to 174.60): V

Ion 175.90 (175.60 to 176.60): V

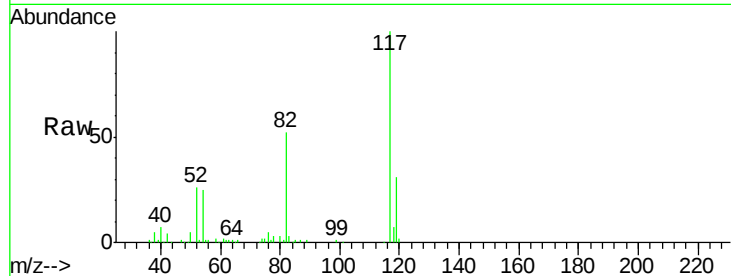




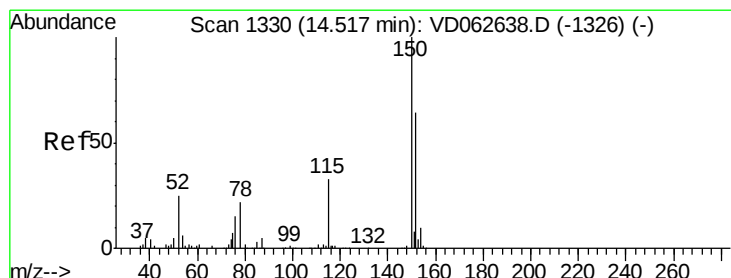
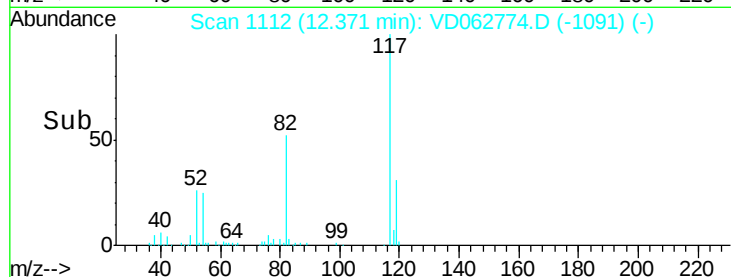
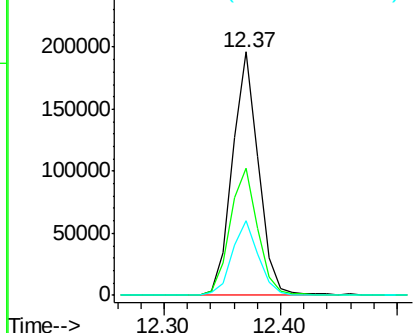
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 12.37 min Scan# 1112
Delta R.T. 0.01 min
Lab File: VD062774.D
Acq: 19 Jun 2019 5:06

Instrument :
MSVOA_D
ClientSampleId :
CL-01-061719-D

Tot Ion:117 Resp: 304650
Ion Ratio Lower Upper
117 100
82 52.2 48.7 73.1
119 30.7 27.0 40.6

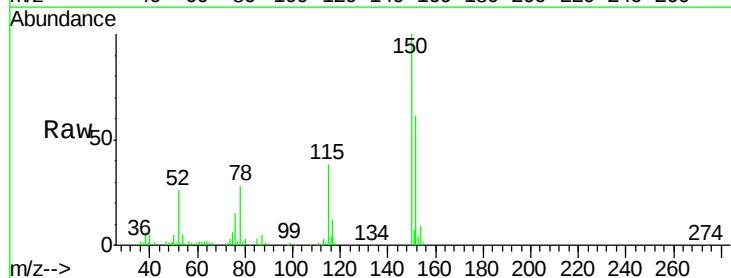


Abundance Ion 116.95 (116.65 to 117.65): V
Ion 82.05 (81.75 to 82.75): V
Ion 118.95 (118.65 to 119.65): V



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 14.52 min Scan# 1330
Delta R.T. -0.00 min
Lab File: VD062774.D
Acq: 19 Jun 2019 5:06

Tgt Ion:152 Resp: 98183
Ion Ratio Lower Upper
152 100
115 62.6 30.1 90.5
150 164.6 0.0 314.0



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

