

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX051920\
 Data File : VX016337.D
 Acq On : 19 May 2020 16:13
 Operator : JC/SP
 Sample : L2672-06
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 WP021MW038-200514

Quant Time: May 20 06:43:20 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X050420W.M
 Quant Title : SW846 8260
 QLast Update : Wed May 06 06:43:32 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.63	168	226236	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.83	114	377482	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.10	117	372275	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	189371	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.04	65	134139	45.06	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	90.12%	
35) Dibromofluoromethane	5.47	113	109250	45.68	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	91.36%	
50) Toluene-d8	8.70	98	465633	50.53	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	101.06%	
62) 4-Bromofluorobenzene	11.12	95	188961	53.91	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	107.82%	

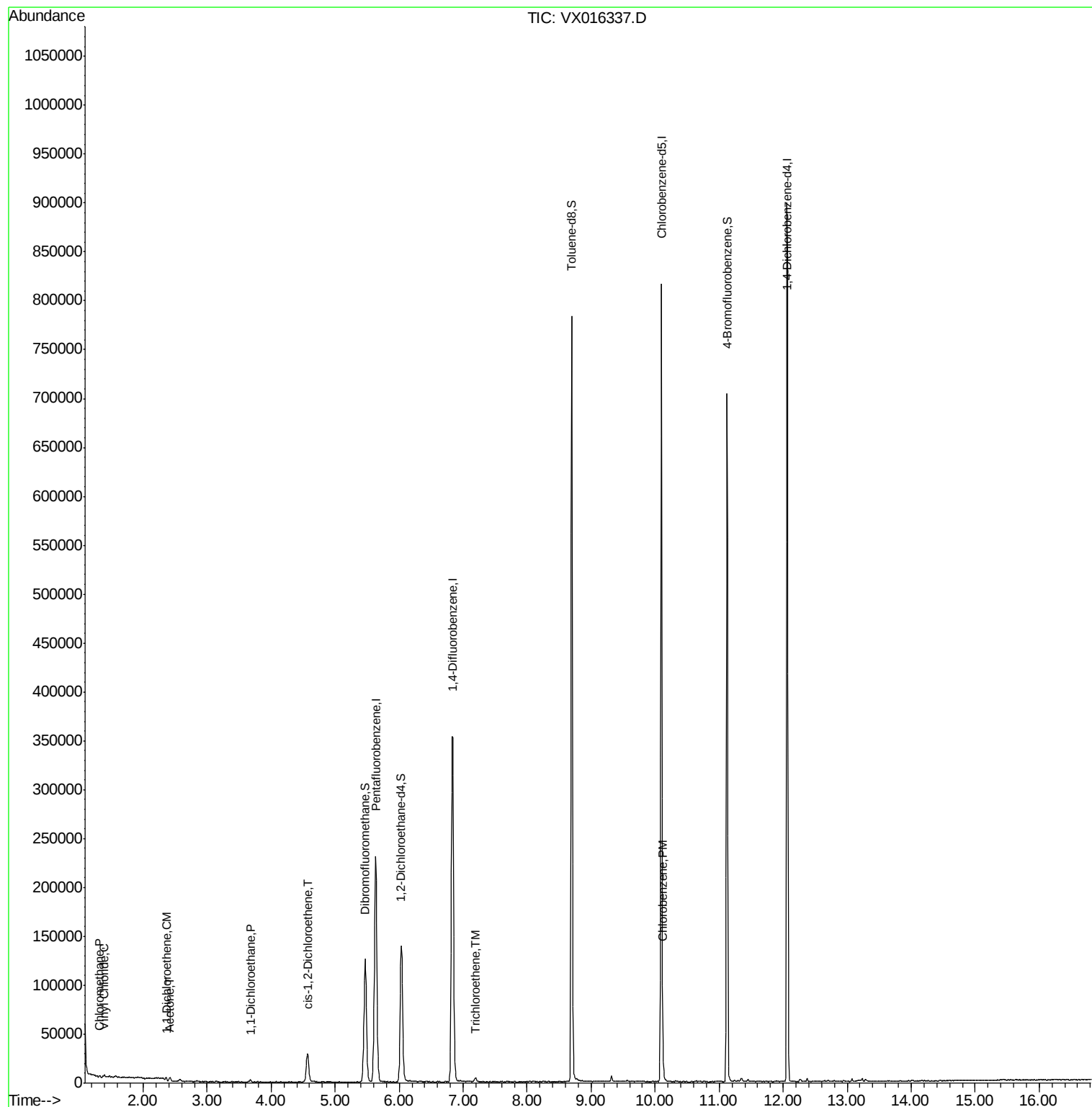
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.31	50	1108	0.398	ug/l	95
4) Vinyl Chloride	1.39	62	926	0.312	ug/l	100
12) 1,1-Dichloroethene	2.36	96	1483	0.631	ug/l	94
16) Acetone	2.42	43	4272	3.216	ug/l	98
24) 1,1-Dichloroethane	3.67	63	2020	0.444	ug/l #	94
27) cis-1,2-Dichloroethene	4.57	96	19803	6.912	ug/l	84
44) Trichloroethene	7.20	130	1570	0.406	ug/l	71
65) Chlorobenzene	10.12	112	6927	0.889	ug/l	97

(#) = 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: 5.63 min Scan# 746

Delta R.T. -0.00 min

Lab File: VX016337.D

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Instrument :

MSVOA_X

ClientSampleId :

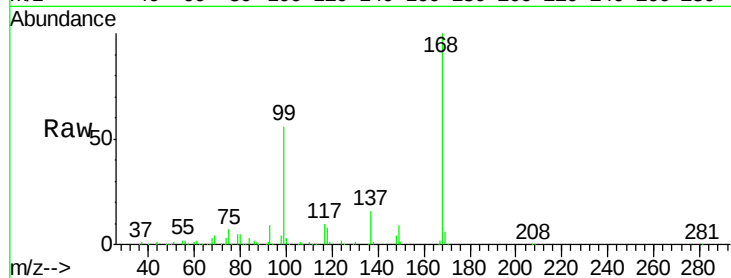
WP021MW038-200514

Tot Ion:168 Resp: 226236

Ion Ratio Lower Upper

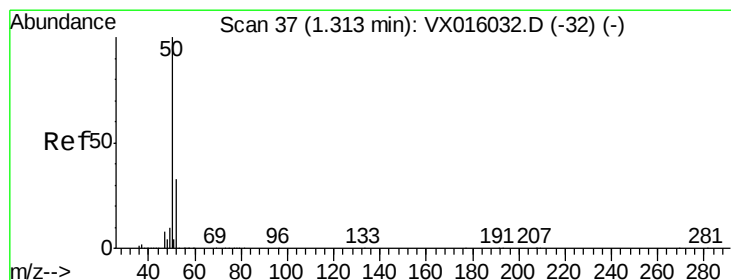
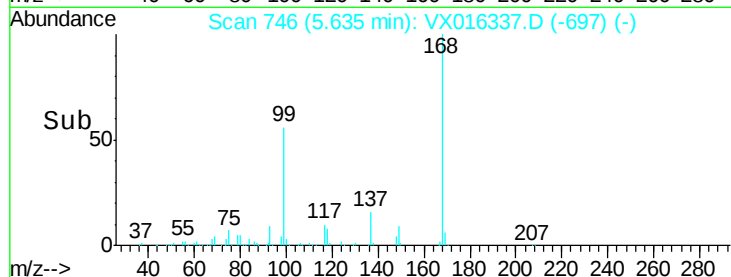
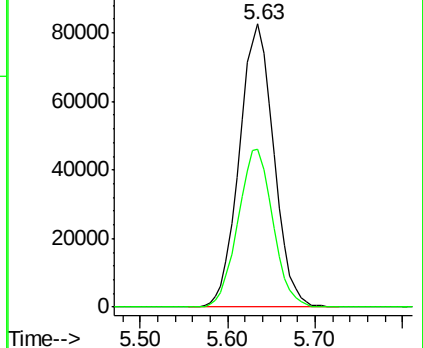
168 100

99 55.9 45.0 67.4



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



#3

Chloromethane

Concen: 0.398 ug/l

RT: 1.31 min Scan# 37

Delta R.T. -0.00 min

Lab File: VX016337.D

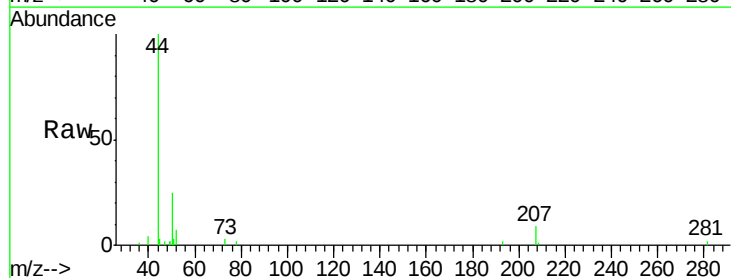
Acq: 19 May 2020 16:13

Tgt Ion: 50 Resp: 1108

Ion Ratio Lower Upper

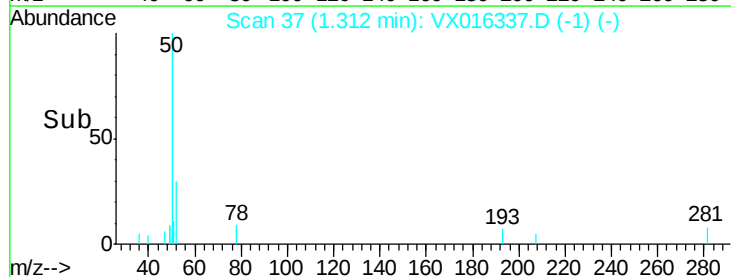
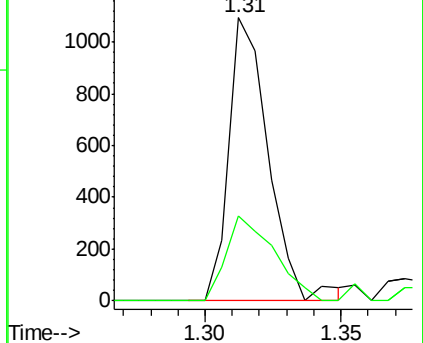
50 100

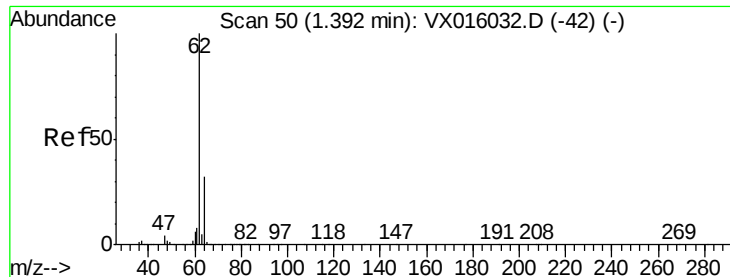
52 29.8 26.1 39.1



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0





#4

Vinyl Chloride

Concen: 0.312 ug/l

RT: 1.39 min Scan# 50

Delta R.T. -0.00 min

Lab File: VX016337.D

Acq: 19 May 2020 16:13

Instrument :

MSVOA_X

ClientSampleId :

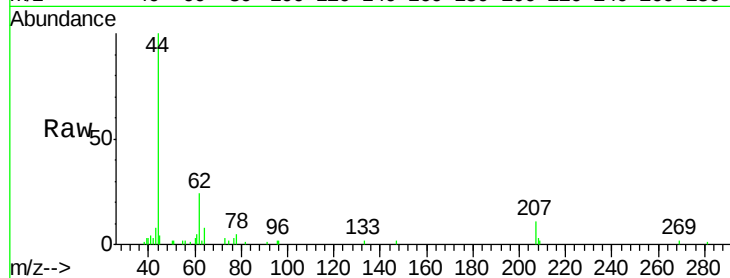
WP021MW038-200514

Tot Ion: 62 Resp: 926

Ion Ratio Lower Upper

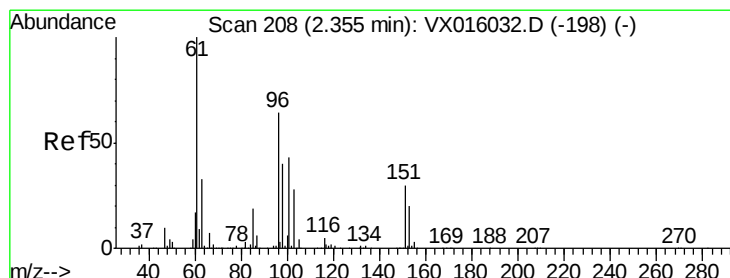
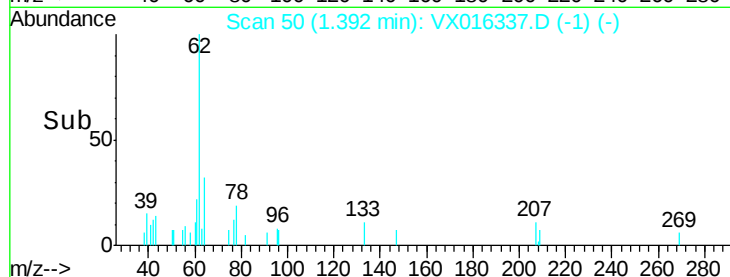
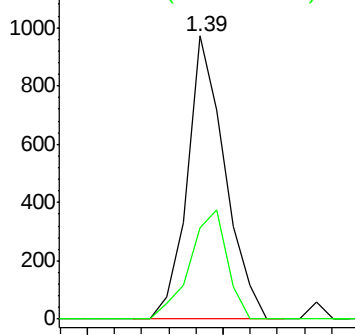
62 100

64 32.3 25.7 38.5



Abundance Ion 61.90 (61.60 to 62.60): VX0

Ion 63.90 (63.60 to 64.60): VX0



#12

1,1-Dichloroethene

Concen: 0.631 ug/l

RT: 2.36 min Scan# 209

Delta R.T. 0.01 min

Lab File: VX016337.D

Acq: 19 May 2020 16:13

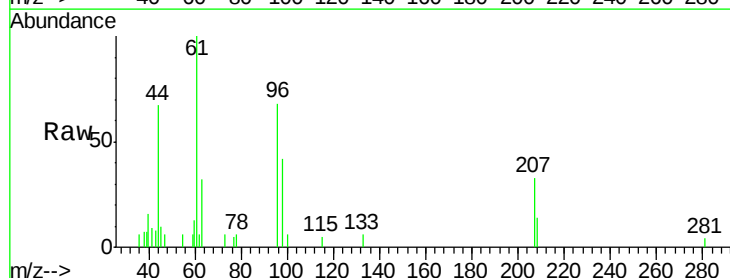
Tgt Ion: 96 Resp: 1483

Ion Ratio Lower Upper

96 100

61 146.3 124.8 187.2

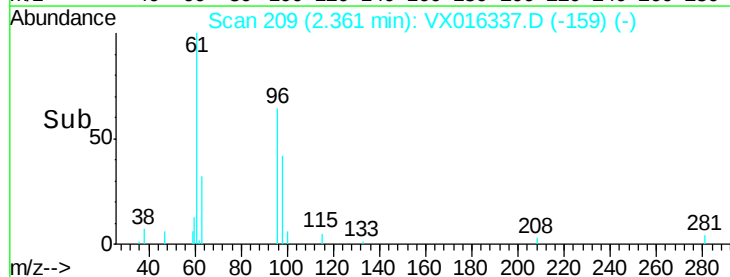
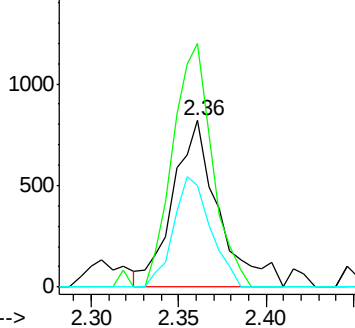
98 60.9 49.7 74.5

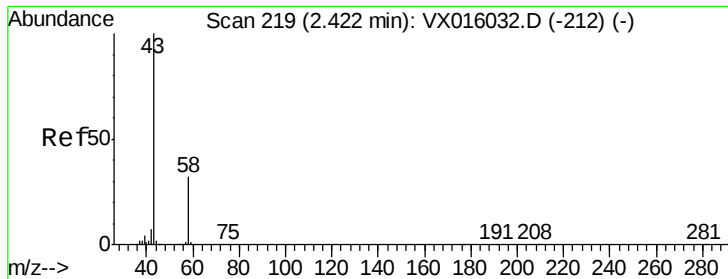


Abundance Ion 95.90 (95.60 to 96.60): VX0

Ion 60.90 (60.60 to 61.60): VX0

Ion 97.90 (97.60 to 98.60): VX0





#16

Acetone

Concen: 3.216 ug/l

RT: 2.42 min Scan# 218

Delta R.T. -0.01 min

Lab File: VX016337.D

Acq: 19 May 2020 16:13

Instrument :

MSVOA_X

ClientSampleId :

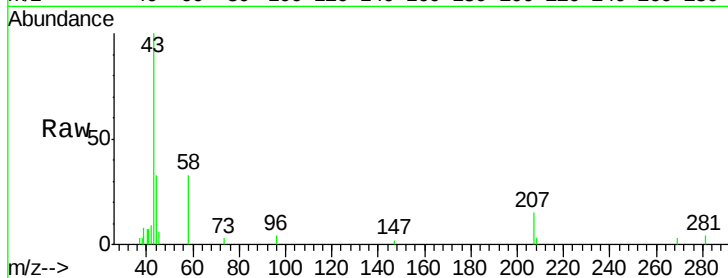
WP021MW038-200514

Tot Ion: 43 Resp: 4272

Ion Ratio Lower Upper

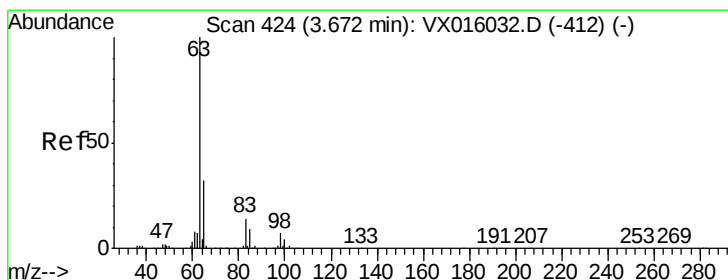
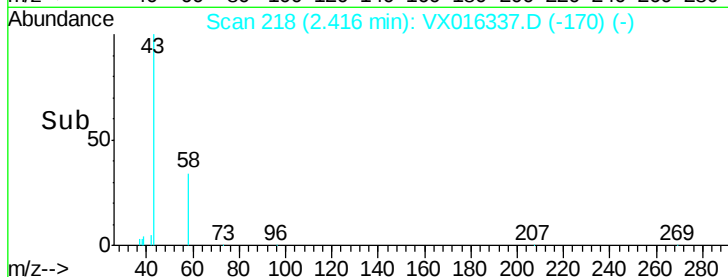
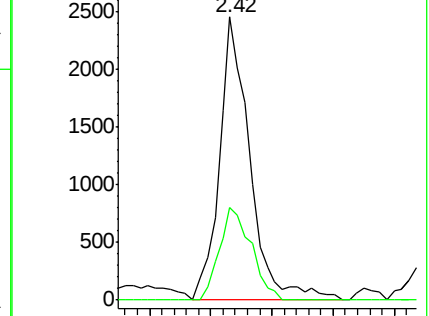
43 100

58 32.6 25.4 38.0



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0



#24

1,1-Dichloroethane

Concen: 0.444 ug/l

RT: 3.67 min Scan# 424

Delta R.T. -0.00 min

Lab File: VX016337.D

Acq: 19 May 2020 16:13

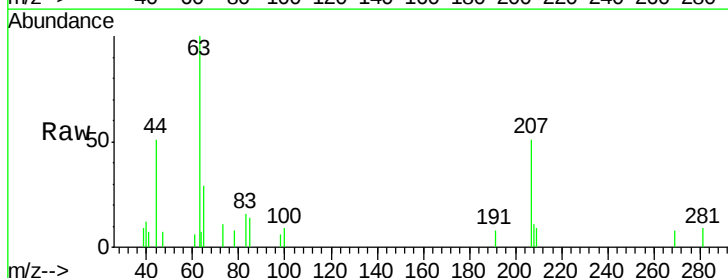
Tgt Ion: 63 Resp: 2020

Ion Ratio Lower Upper

63 100

98 6.5 3.5 10.5

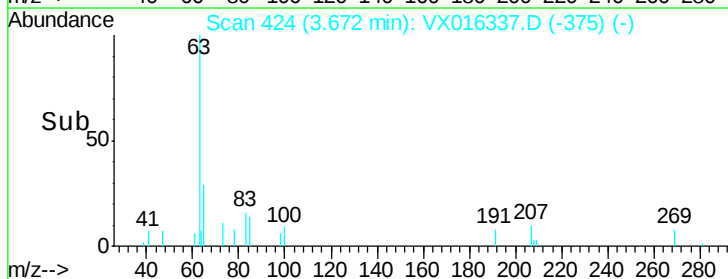
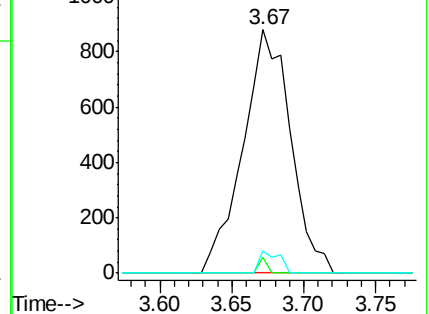
100 9.0 2.1 6.5#

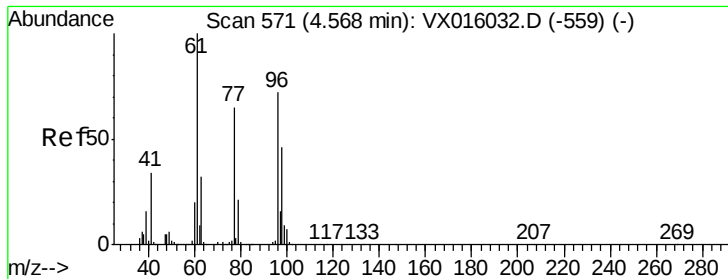


Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 97.90 (97.60 to 98.60): VX0

Ion 99.90 (99.60 to 100.60): VX0



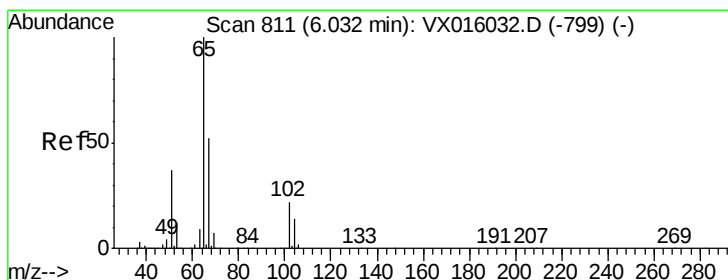
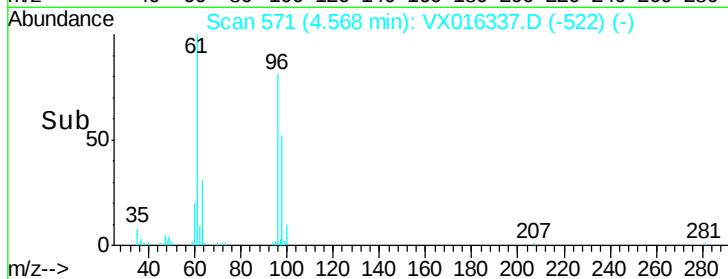
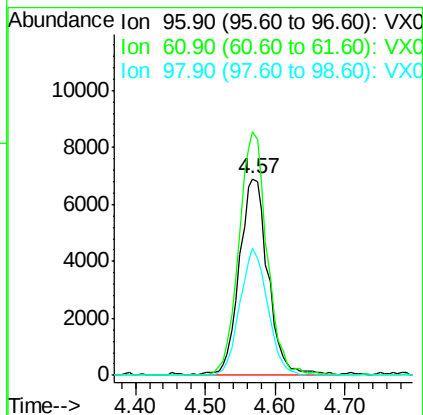
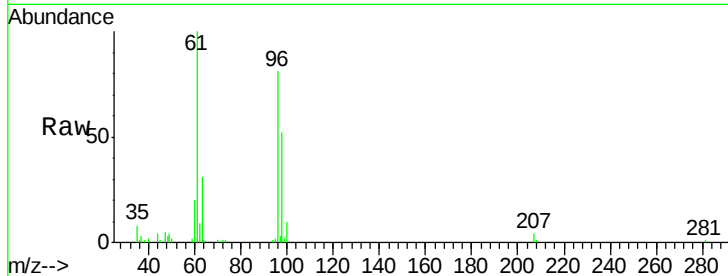


#27

cis-1,2-Dichloroethene
 Concen: 6.912 ug/l
 RT: 4.57 min Scan# 571
 Delta R.T. -0.00 min
 Lab File: VX016337.D
 Acq: 19 May 2020 16:13

Instrument :
 MSVOA_X
 ClientSampleId :
 WP021MW038-200514

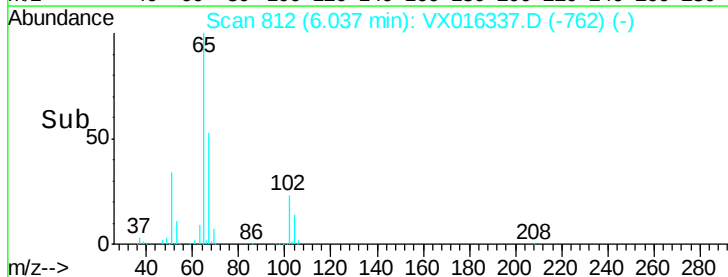
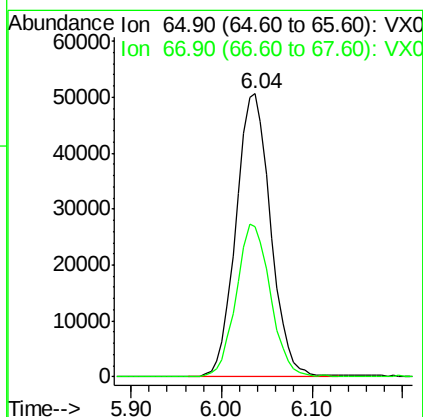
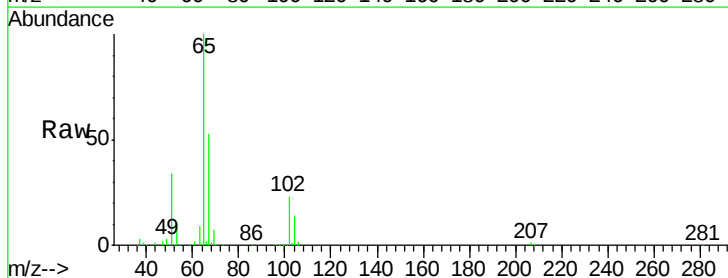
Tot Ion	96	Resp	19803
Ion	Ratio	Lower	Upper
96	100		
61	120.8	0.0	296.2
98	61.7	0.0	129.4

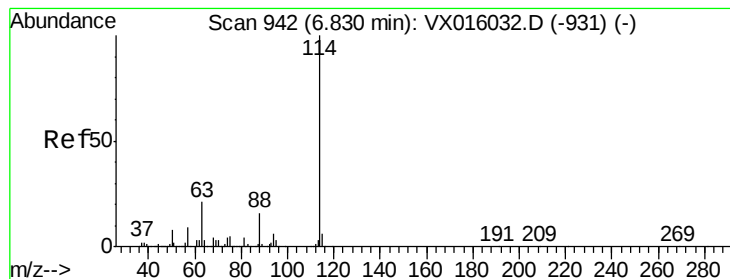


#33

1,2-Dichloroethane-d4
 Concen: 45.058 ug/l
 RT: 6.04 min Scan# 812
 Delta R.T. 0.01 min
 Lab File: VX016337.D
 Acq: 19 May 2020 16:13

Tgt Ion	65	Resp	134139
Ion	Ratio	Lower	Upper
65	100		
67	53.2	0.0	104.8





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.83 min Scan# 942

Delta R.T. -0.00 min

Lab File: VX016337.D

Acq: 19 May 2020 16:13

Instrument :

MSVOA_X

ClientSampleId :

WP021MW038-200514

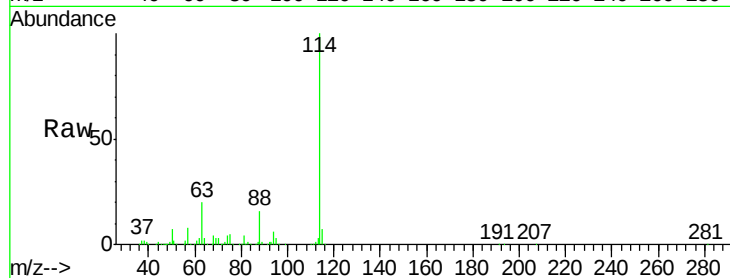
Tot Ion:114 Resp: 377482

Ion Ratio Lower Upper

114 100

63 19.6 0.0 42.8

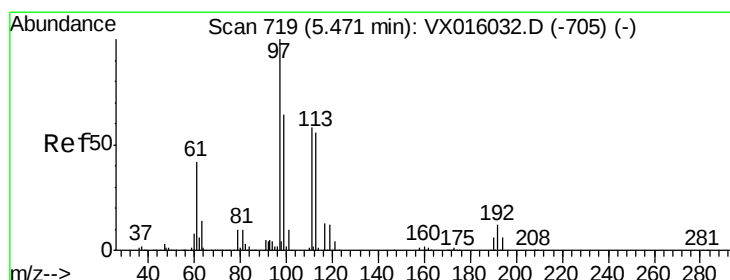
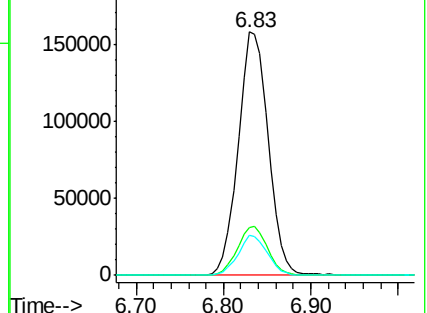
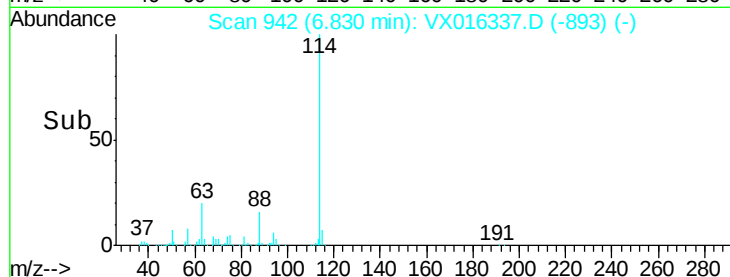
88 16.2 0.0 31.4



Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VX0

Ion 87.90 (87.60 to 88.60): VX0



#35

Dibromofluoromethane

Concen: 45.682 ug/l

RT: 5.47 min Scan# 719

Delta R.T. -0.00 min

Lab File: VX016337.D

Acq: 19 May 2020 16:13

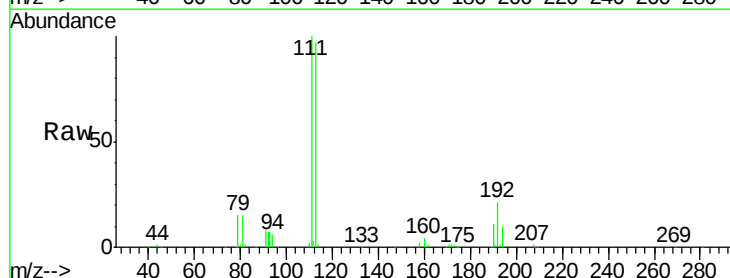
Tgt Ion:113 Resp: 109250

Ion Ratio Lower Upper

113 100

111 101.6 81.6 122.4

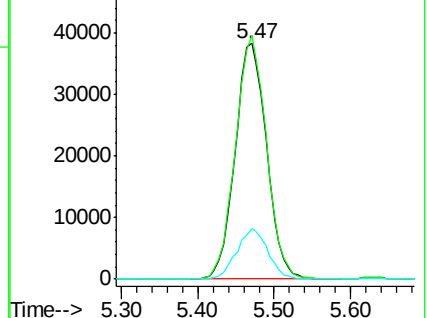
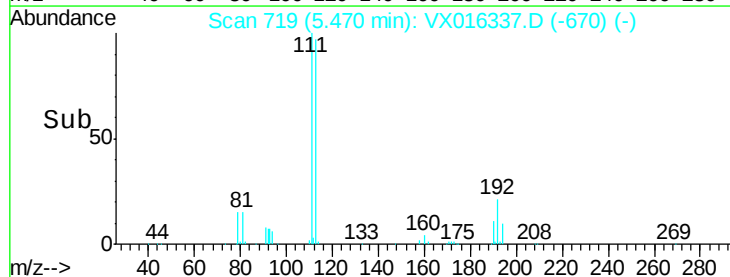
192 21.2 17.0 25.4

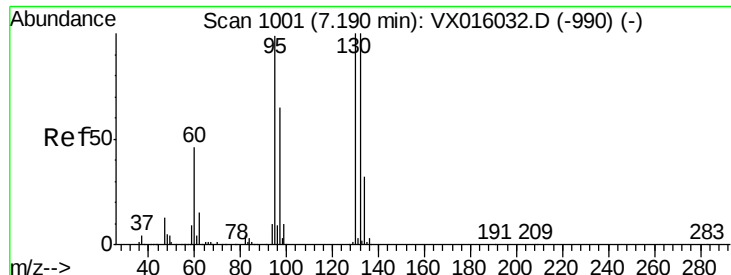


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V





#44

Trichloroethene

Concen: 0.406 ug/l

RT: 7.20 min Scan# 1003

Delta R.T. 0.01 min

Lab File: VX016337.D

Acq: 19 May 2020 16:13

Instrument :

MSVOA_X

ClientSampleId :

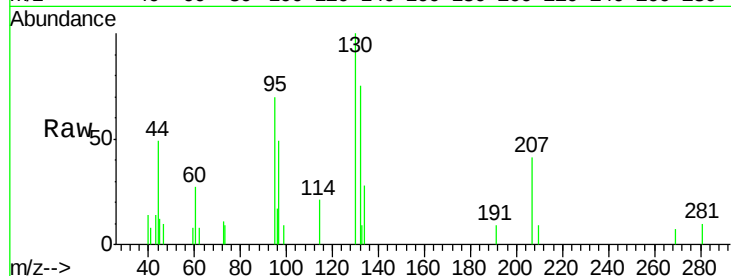
WP021MW038-200514

Tot Ion:130 Resp: 1570

Ion Ratio Lower Upper

130 100

95 69.8 0.0 197.4



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VX0

7.20

800

600

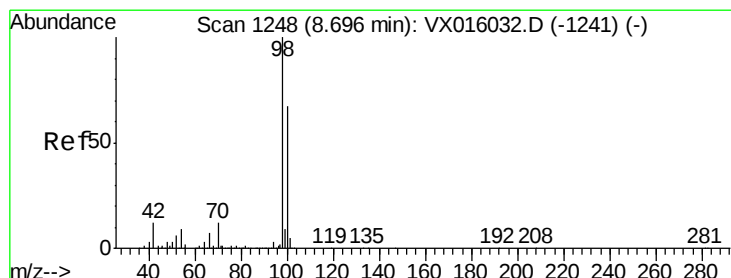
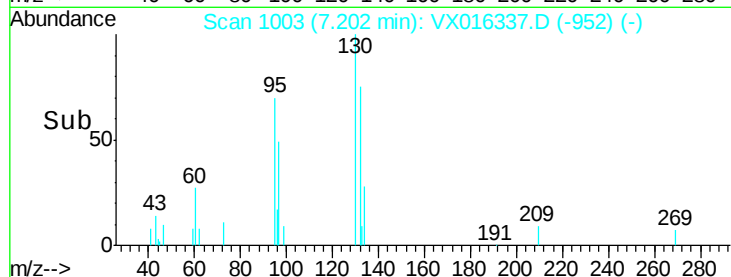
400

200

0

Time-->

7.15 7.20 7.25



#50

Toluene-d8

Concen: 50.532 ug/l

RT: 8.70 min Scan# 1248

Delta R.T. -0.00 min

Lab File: VX016337.D

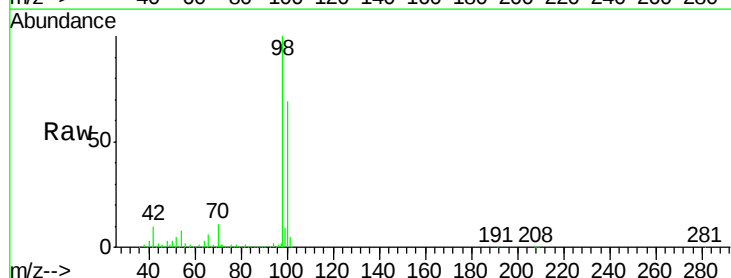
Acq: 19 May 2020 16:13

Tgt Ion: 98 Resp: 465633

Ion Ratio Lower Upper

98 100

100 67.9 53.7 80.5



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): VX0

8.70

300000

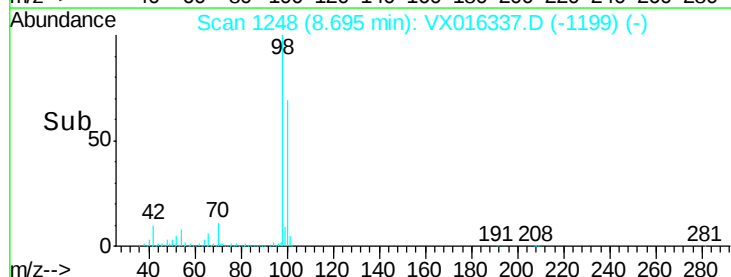
200000

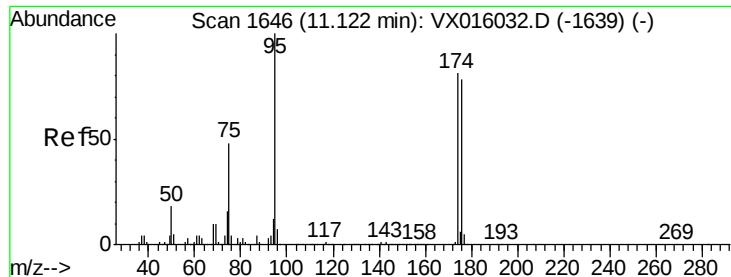
100000

0

Time-->

8.60 8.70 8.80 8.90





#62

4-Bromofluorobenzene

Concen: 53.915 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. -0.00 min

Lab File: VX016337.D

Acq: 19 May 2020 16:13

Instrument :

MSVOA_X

ClientSampleId :

WP021MW038-200514

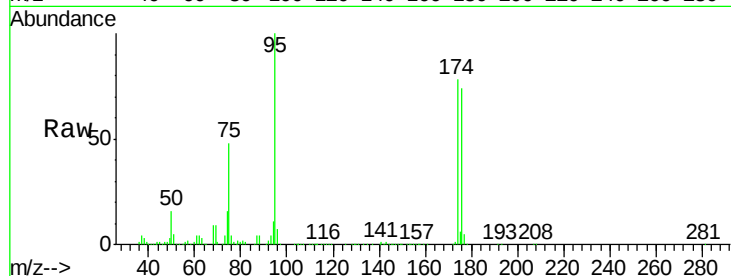
Tot Ion: 95 Resp: 188961

Ion Ratio Lower Upper

95 100

174 79.9 0.0 159.4

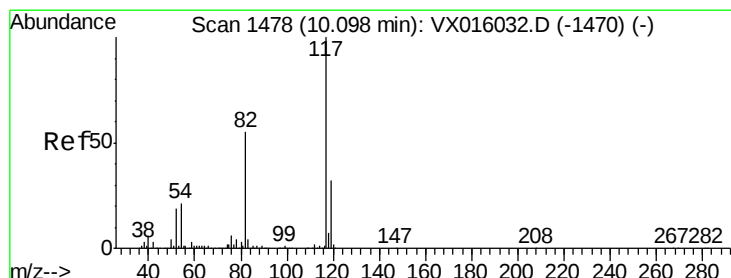
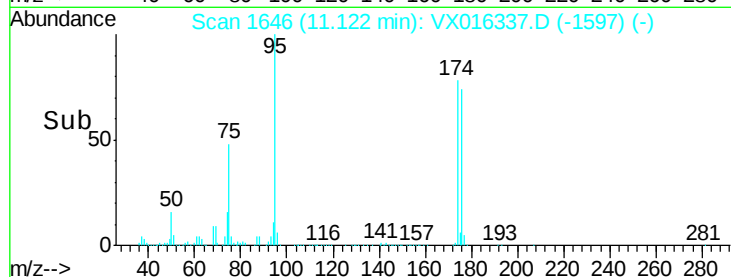
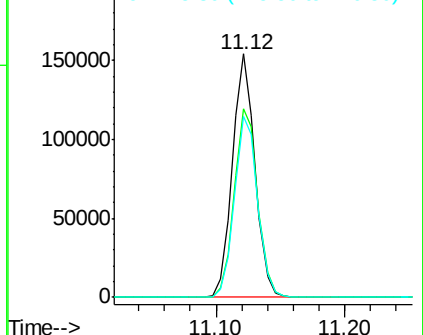
176 76.5 0.0 157.6



Abundance Ion 94.90 (94.60 to 95.60): VX016337.D (-1597) (-)

Ion 173.80 (173.50 to 174.50): VX016337.D (-1597) (-)

Ion 175.80 (175.50 to 176.50): VX016337.D (-1597) (-)



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.10 min Scan# 1478

Delta R.T. -0.00 min

Lab File: VX016337.D

Acq: 19 May 2020 16:13

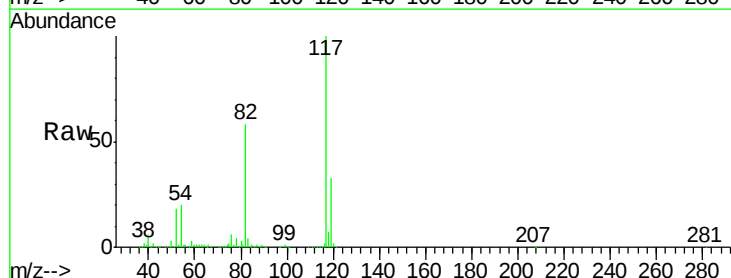
Tgt Ion: 117 Resp: 372275

Ion Ratio Lower Upper

117 100

82 58.0 44.4 66.6

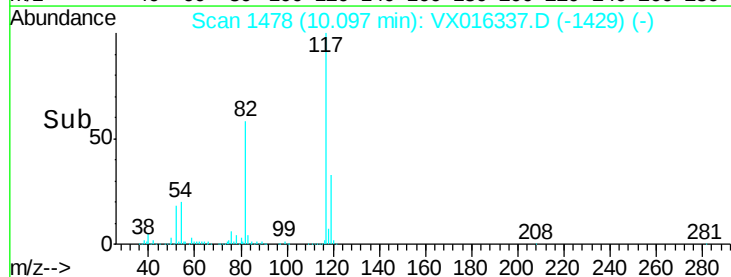
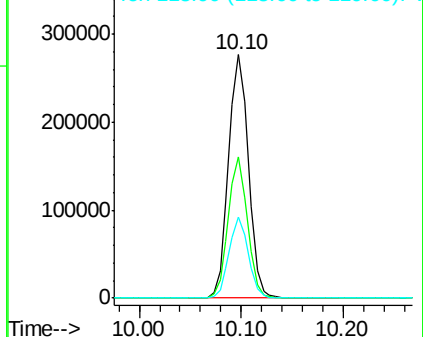
119 33.3 25.5 38.3

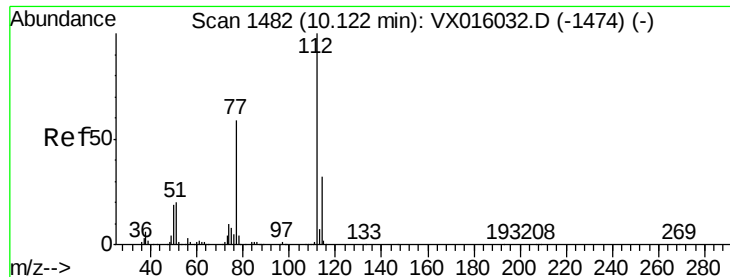


Abundance Ion 116.90 (116.60 to 117.60): VX016337.D (-1429) (-)

Ion 82.00 (81.70 to 82.70): VX016337.D (-1429) (-)

Ion 118.90 (118.60 to 119.60): VX016337.D (-1429) (-)





#65

Chlorobenzene

Concen: 0.889 ug/l

RT: 10.12 min Scan# 1482

Delta R.T. -0.00 min

Lab File: VX016337.D

Acq: 19 May 2020 16:13

Instrument :

MSVOA_X

ClientSampleId :

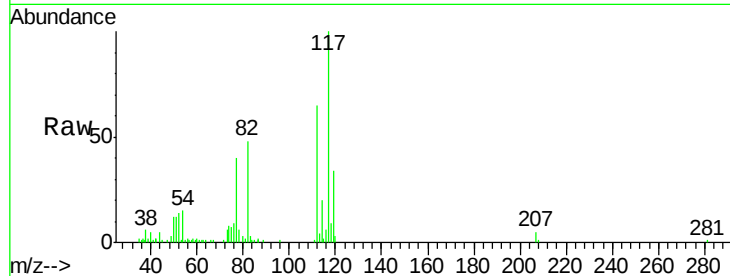
WP021MW038-200514

Tot Ion:112 Resp: 6927

Ion Ratio Lower Upper

112 100

114 30.5 25.7 38.5



Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V

6000

5000

4000

3000

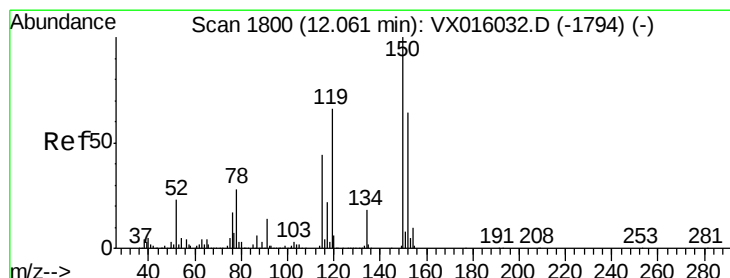
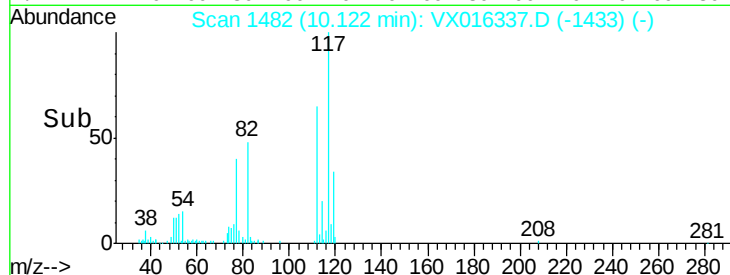
2000

1000

0

10.05 10.10 10.15 10.20

Time-->



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.07 min Scan# 1801

Delta R.T. 0.01 min

Lab File: VX016337.D

Acq: 19 May 2020 16:13

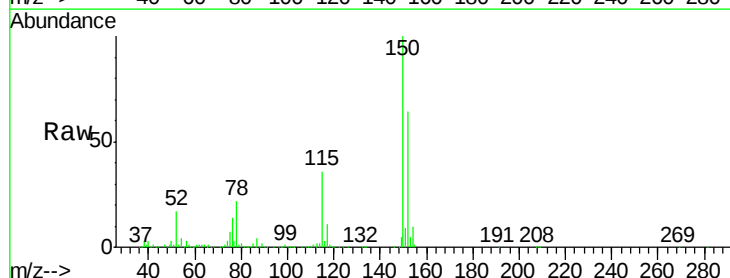
Tgt Ion:152 Resp: 189371

Ion Ratio Lower Upper

152 100

115 58.6 41.3 124.1

150 158.1 0.0 352.2



Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V

300000

250000

200000

150000

100000

50000

0

12.00 12.05 12.10 12.15

Time-->

