

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX100620\
 Data File : VX018792.D
 Acq On : 06 Oct 2020 12:08
 Operator : JC/SP
 Sample : L4240-02
 Misc : 25.0mL/MSVOA X/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 BG3Q9

Quant Time: Oct 07 01:52:00 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\SOMXTR100220WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Wed Oct 07 01:30:09 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.83	114	133224	5.00	ug/L	0.00
28) Chlorobenzene-d5	10.10	117	117881	5.00	ug/L	0.00
61) 1,4-Dichlorobenzene-d4	12.06	152	55605	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.39	65	40909	5.25	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	105.00%
7) Chloroethane-d5	1.70	69	33660	5.53	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	110.60%
11) 1,1-Dichloroethene-d2	2.34	63	68715	3.91	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	78.20%
20) 2-Butanone-d5	4.54	46	123766	60.63	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	121.26%
24) Chloroform-d	5.14	84	94477	5.02	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	100.40%
26) 1,2-Dichloroethane-d4	6.03	65	56158	4.89	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	97.80%
32) Benzene-d6	6.05	84	177832	6.07	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	121.40%
36) 1,2-Dichloropropane-d6	7.37	67	53433	6.31	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	126.20%
41) Toluene-d8	8.70	98	167449	5.80	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	116.00%
45) trans-1,3-Dichloropropene-	8.99	79	19735	4.33	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	86.60%
48) 2-Hexanone-d5	9.43	63	97173	63.63	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	127.26%
59) 1,1,2,2-Tetrachloroethane-	11.23	84	40401	5.87	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	117.40%
65) 1,2-Dichlorobenzene-d4	12.36	152	59155	5.77	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	115.40%

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
13) Acetone	2.43	43	9733	8.733	ug/L	87
14) Carbon disulfide	2.56	76	10177	0.490	ug/L	99
19) 1,1-Dichloroethane	3.66	63	6224	0.493	ug/L #	33
22) cis-1,2-Dichloroethene	4.56	96	4679	0.638	ug/L #	89
29) 1,1,1-Trichloroethane	5.46	97	71290	5.112	ug/L	98
30) Cyclohexane	5.55	56	1875540	193.914	ug/L	98
35) Methylcyclohexane	7.44	83	15748	1.525	ug/L	90
42) Toluene	8.76	91	3314976	122.724	ug/L	99
49) Tetrachloroethene	9.32	164	5568	0.874	ug/L	92
53) Chlorobenzene	10.12	112	50664	2.742	ug/L	93
54) Ethylbenzene	10.23	91	441917	14.594	ug/L	99
55) m,p-xylene	10.34	106	629437	53.292	ug/L	97
56) o-xylene	10.68	106	209704	19.213	ug/L	99
58) Isopropylbenzene	11.00	105	227128	7.433	ug/L	98
63) 1,3-Dichlorobenzene	12.01	146	86346	6.389	ug/L	98
64) 1,4-Dichlorobenzene	12.08	146	292144	21.675	ug/L	97
66) 1,2-Dichlorobenzene	12.37	146	120679	9.563	ug/L	98

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Quant Title : TRACE VOA SOM01.0
QLast Update : Wed Oct 07 01:30:09 2020
Response via : Initial Calibration

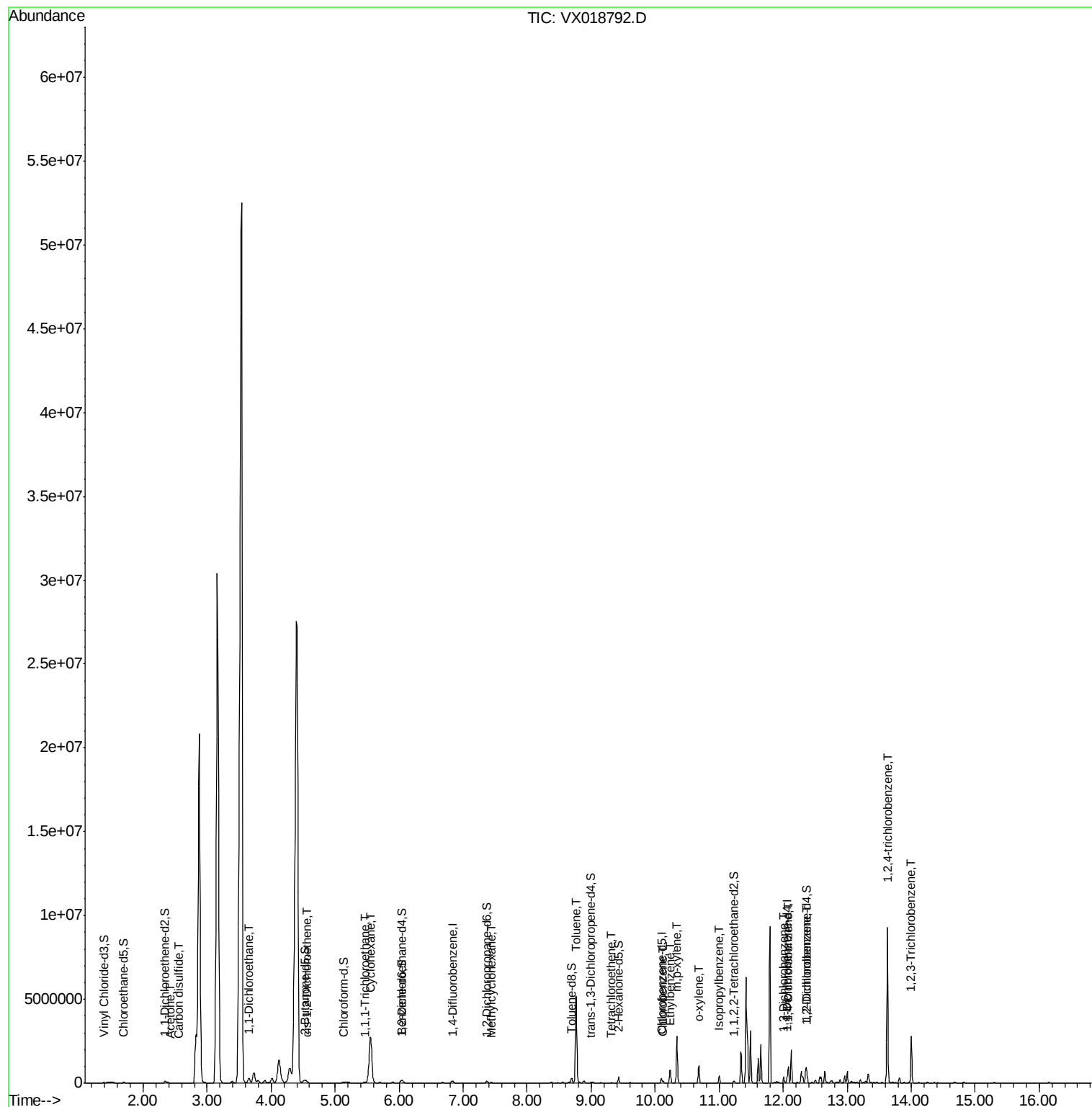
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
69) 1,2,4-trichlorobenzene	13.63	180	2189619	253.528	ug/L	96
71) 1,2,3-Trichlorobenzene	14.01	180	644617	82.956	ug/L	94

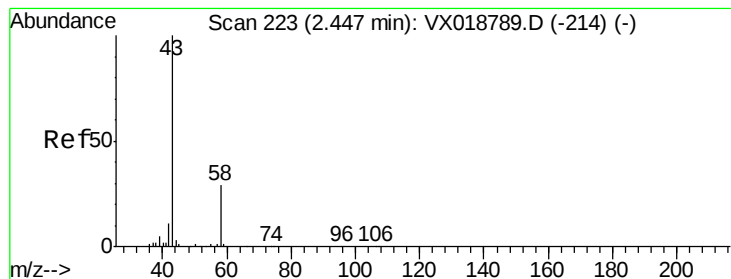
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\SOMXTR100220WMA.M
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Response via : Initial Calibration





#13

Acetone

Concen: 8.733 ug/L

RT: 2.43 min Scan# 220

Delta R.T. -0.02 min

Lab File: VX018792.D

Acq: 06 Oct 2020 12:08

Instrument :

MSVOA_X

ClientSampleId :

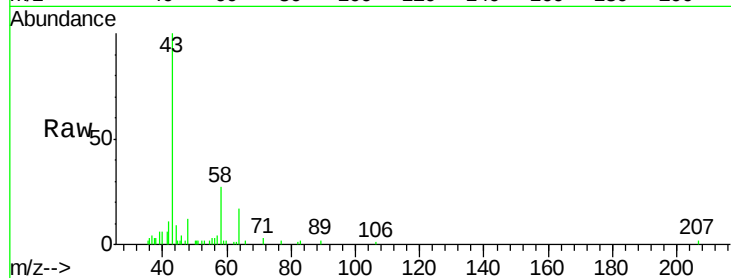
BG3Q9

Tot Ion: 43 Resp: 9733

Ion Ratio Lower Upper

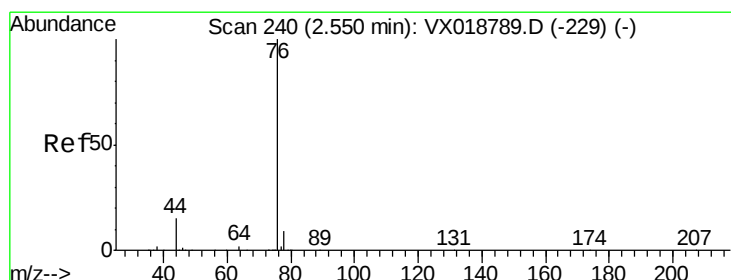
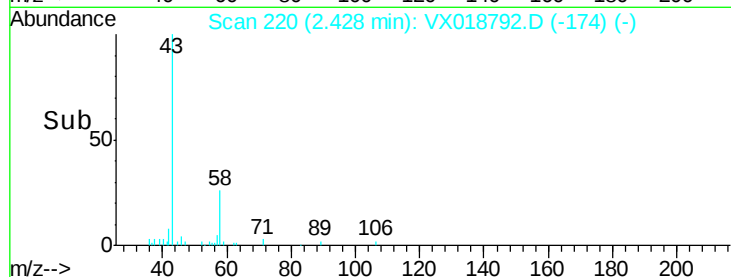
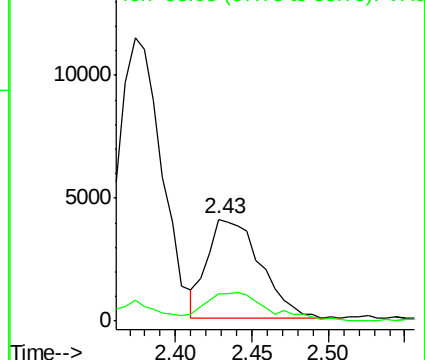
43 100

58 34.8 0.0 56.4



Abundance Ion 43.05 (42.75 to 43.75): VX0

Ion 58.05 (57.75 to 58.75): VX0



#14

Carbon disulfide

Concen: 0.490 ug/L

RT: 2.56 min Scan# 241

Delta R.T. 0.01 min

Lab File: VX018792.D

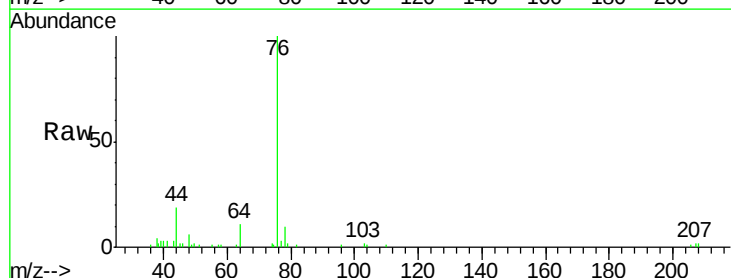
Acq: 06 Oct 2020 12:08

Tgt Ion: 76 Resp: 10177

Ion Ratio Lower Upper

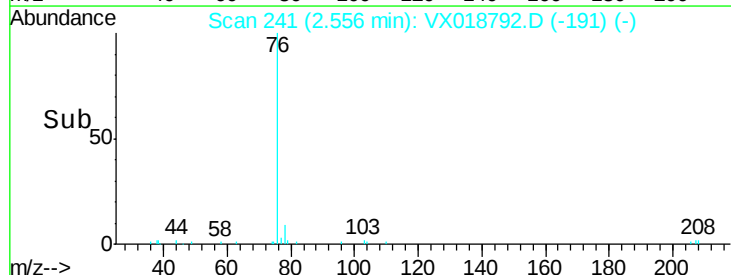
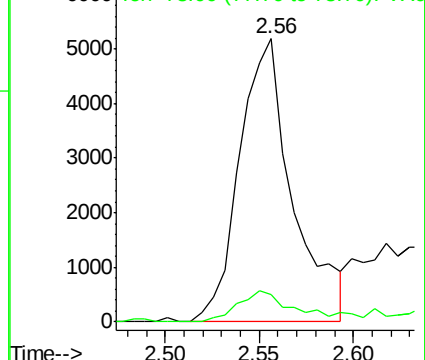
76 100

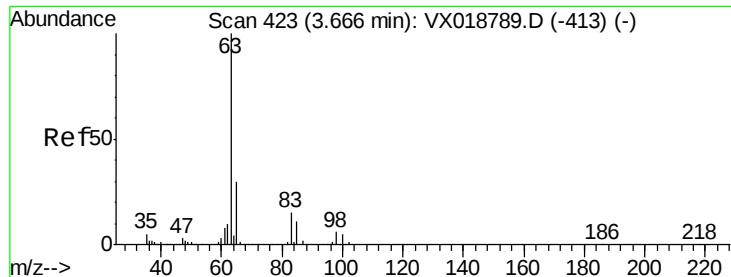
78 9.8 7.4 11.2



Abundance Ion 76.05 (75.75 to 76.75): VX0

Ion 78.00 (77.70 to 78.70): VX0





#19

1,1-Dichloroethane

Concen: 0.493 ug/L

RT: 3.66 min Scan# 422

Delta R.T. -0.01 min

Lab File: VX018792.D

Acq: 06 Oct 2020 12:08

Instrument :

MSVOA_X

ClientSampled :

BG3Q9

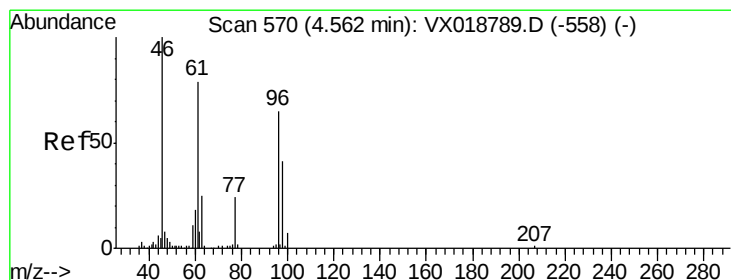
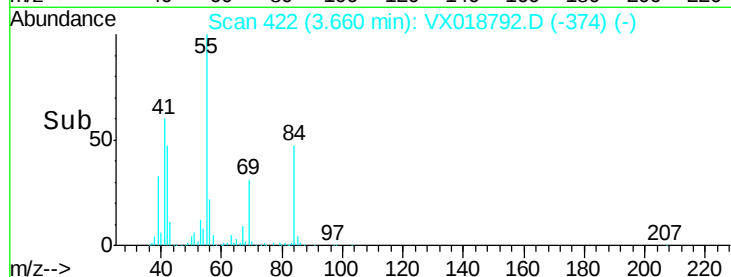
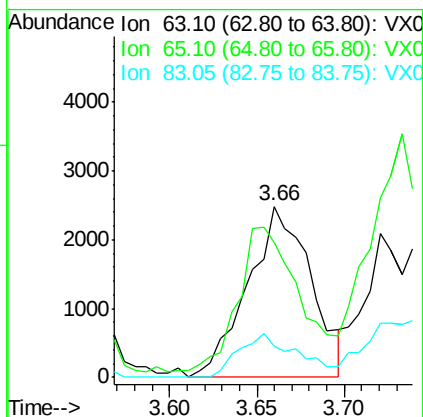
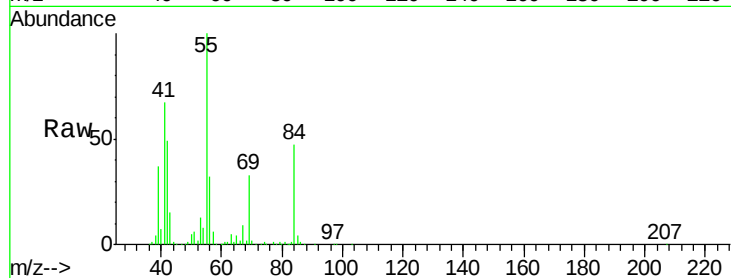
Tot Ion: 63 Resp: 6224

Ion Ratio Lower Upper

63 100

65 79.2 21.6 40.2#

83 18.3 8.7 16.1#



#22

cis-1,2-Dichloroethene

Concen: 0.638 ug/L

RT: 4.56 min Scan# 570

Delta R.T. -0.00 min

Lab File: VX018792.D

Acq: 06 Oct 2020 12:08

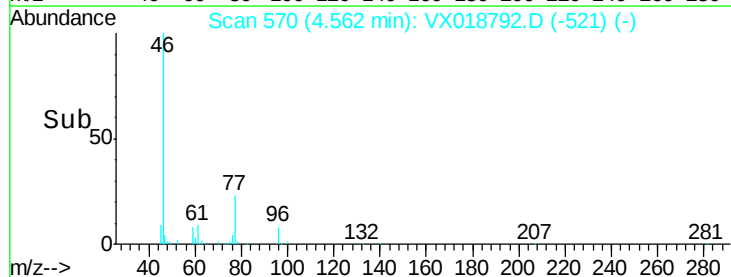
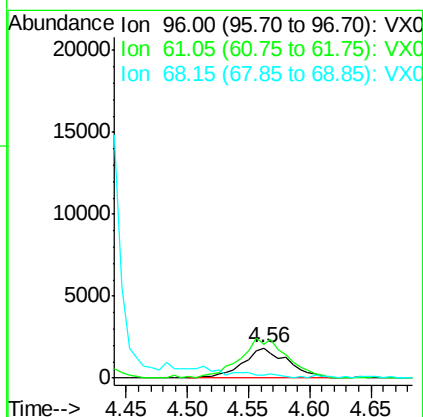
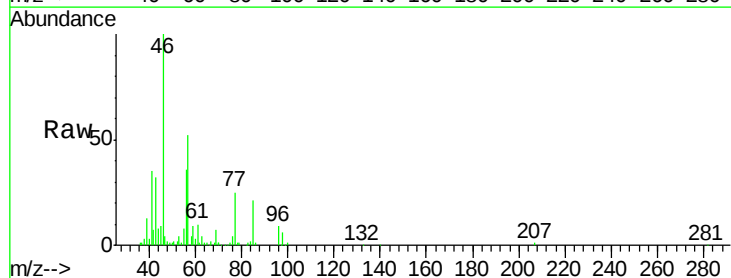
Tgt Ion: 96 Resp: 4679

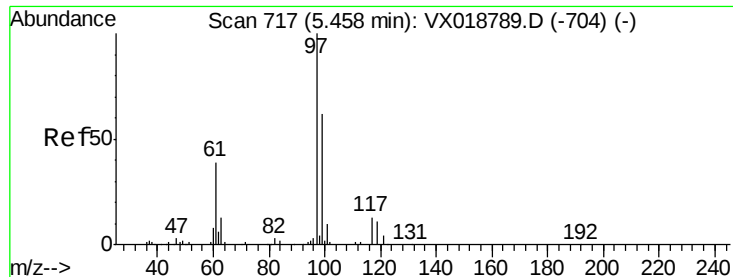
Ion Ratio Lower Upper

96 100

61 110.8 86.2 160.0

68 9.8 0.3 0.7#





#29

1,1,1-Trichloroethane

Concen: 5.112 ug/L

RT: 5.46 min Scan# 718

Delta R.T. 0.01 min

Lab File: VX018792.D

Acq: 06 Oct 2020 12:08

Instrument :

MSVOA_X

ClientSampleId :

BG3Q9

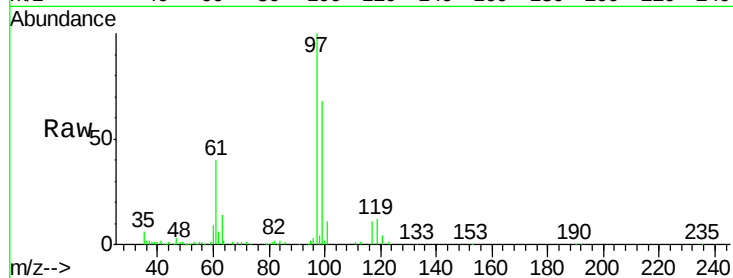
Tot Ion: 97 Resp: 71290

Ion Ratio Lower Upper

97 100

99 65.2 51.3 76.9

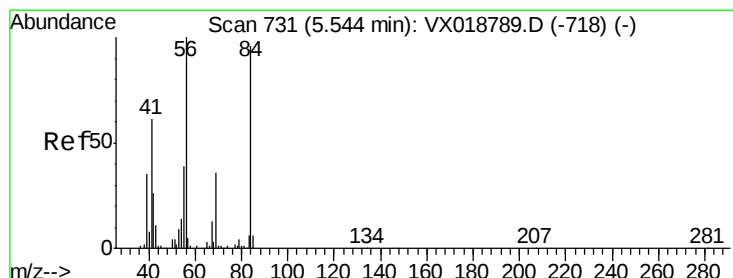
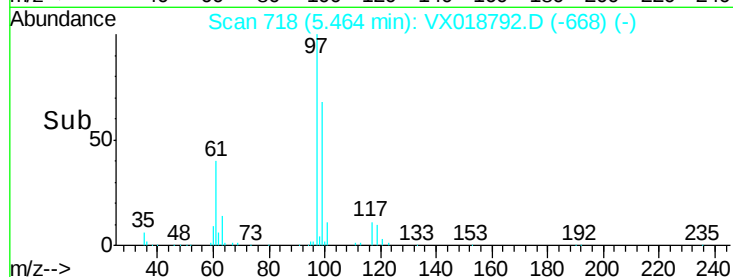
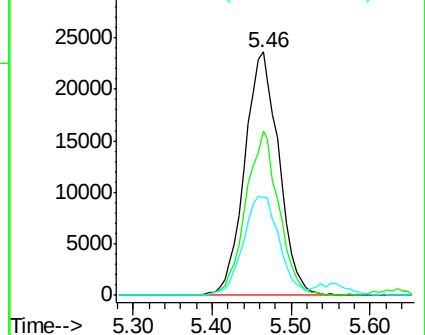
61 42.7 33.3 49.9



Abundance Ion 96.95 (96.65 to 97.65): VX0

Ion 99.05 (98.75 to 99.75): VX0

Ion 61.05 (60.75 to 61.75): VX0



#30

Cyclohexane

Concen: 193.914 ug/L

RT: 5.55 min Scan# 732

Delta R.T. 0.01 min

Lab File: VX018792.D

Acq: 06 Oct 2020 12:08

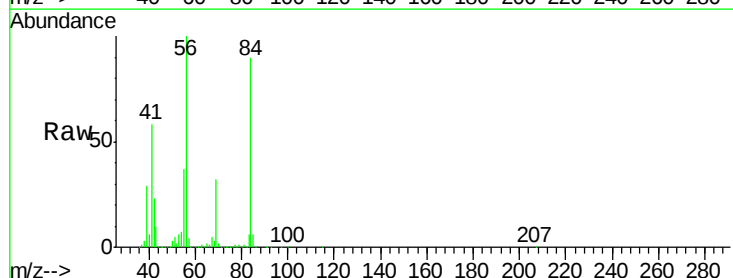
Tgt Ion: 56 Resp: 1875540

Ion Ratio Lower Upper

56 100

69 31.4 26.0 39.0

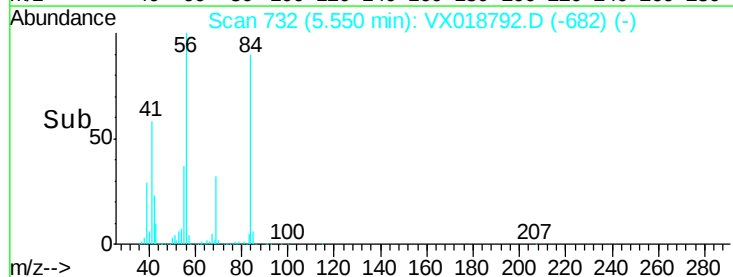
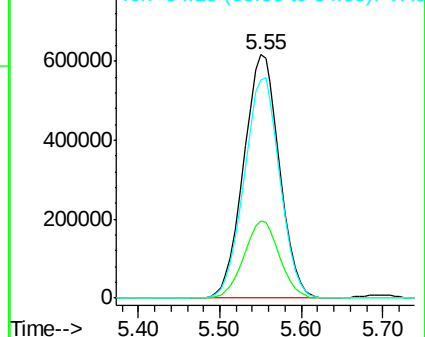
84 90.6 73.8 110.6

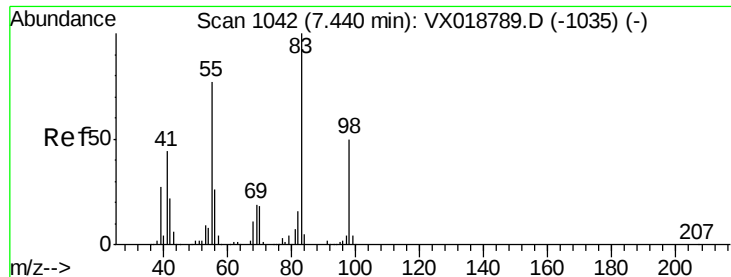


Abundance Ion 56.10 (55.80 to 56.80): VX0

Ion 69.15 (68.85 to 69.85): VX0

Ion 84.15 (83.85 to 84.85): VX0

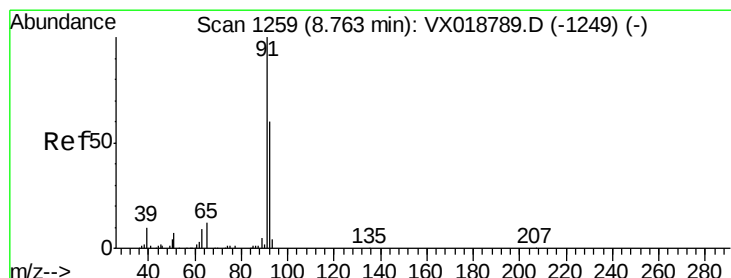
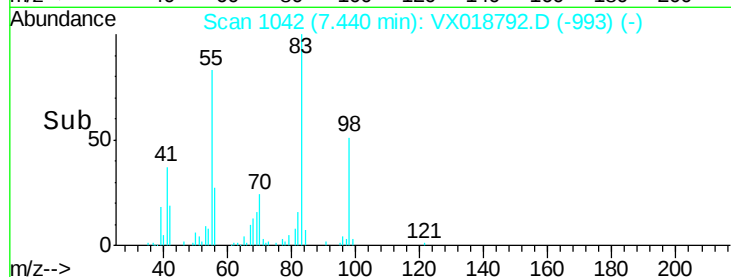
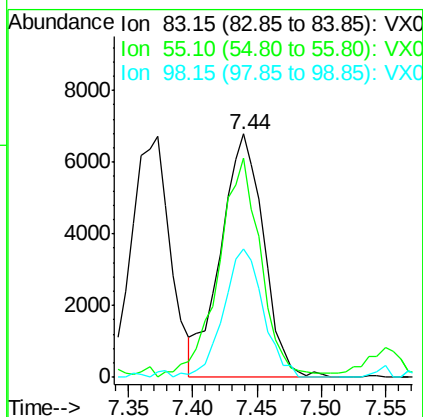
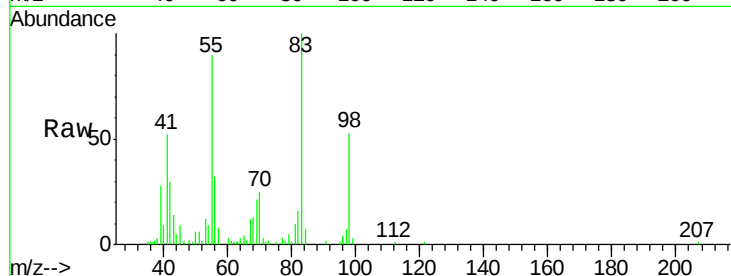




#35
Methvlcvclohexane
Concen: 1.525 ug/L
RT: 7.44 min Scan# 1042
Delta R.T. -0.00 min
Lab File: VX018792.D
Acq: 06 Oct 2020 12:08

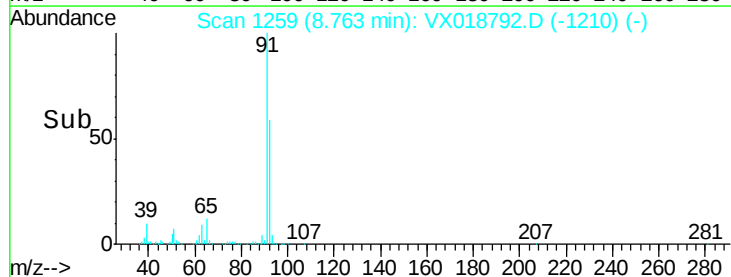
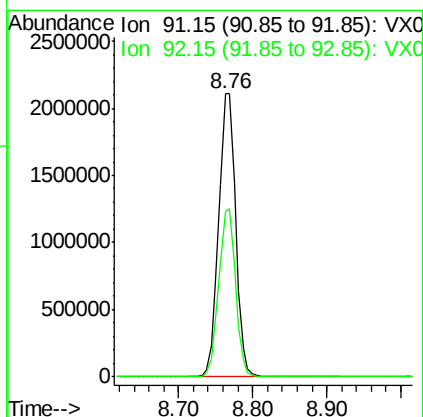
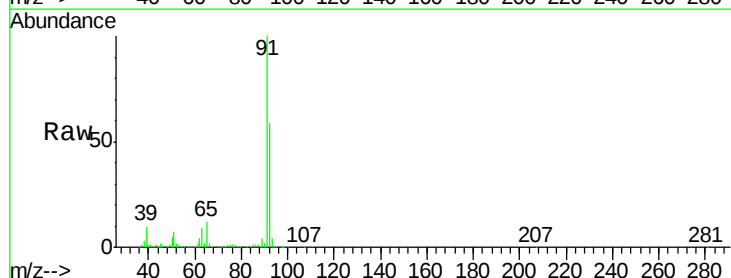
Instrument :
MSVOA_X
ClientSampled :
BG3Q9

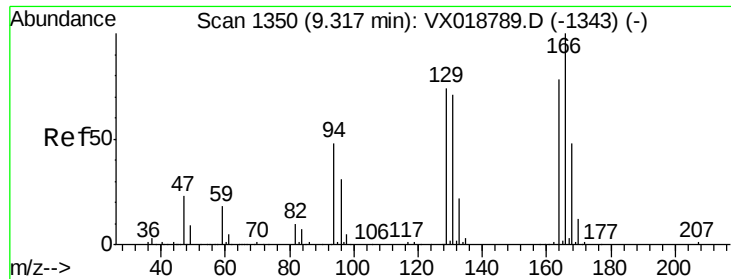
Tot Ion: 83 Resp: 15748
Ion Ratio Lower Upper
83 100
55 89.1 60.3 90.5
98 48.9 39.4 59.0



#42
Toluene
Concen: 122.724 ug/L
RT: 8.76 min Scan# 1259
Delta R.T. -0.00 min
Lab File: VX018792.D
Acq: 06 Oct 2020 12:08

Tgt Ion: 91 Resp: 3314976
Ion Ratio Lower Upper
91 100
92 58.6 40.3 74.9





#49

Tetrachloroethene

Concen: 0.874 ug/L

RT: 9.32 min Scan# 1350

Delta R.T. -0.00 min

Lab File: VX018792.D

Acq: 06 Oct 2020 12:08

Instrument :

MSVOA_X

ClientSampleId :

BG3Q9

Tot Ion:164 Resp: 5568

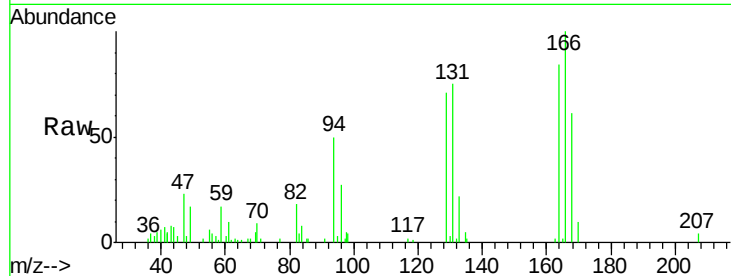
Ion Ratio Lower Upper

164 100

129 85.2 68.7 127.5

131 89.6 65.3 121.3

166 119.4 88.5 164.4

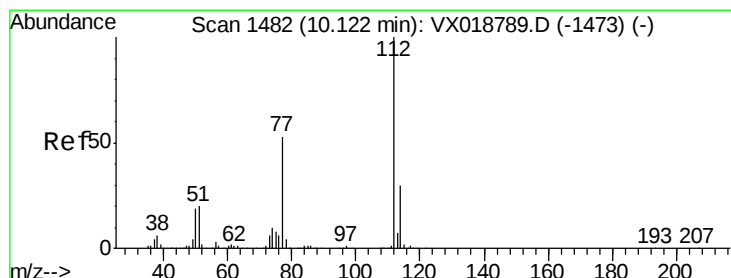
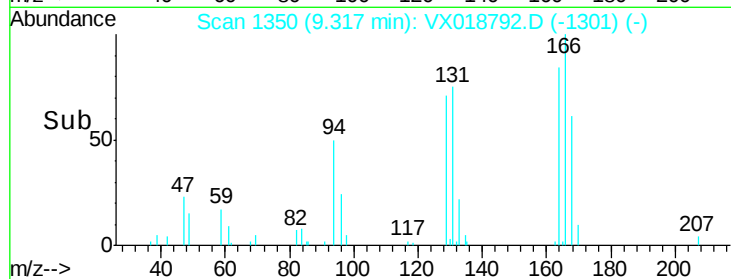
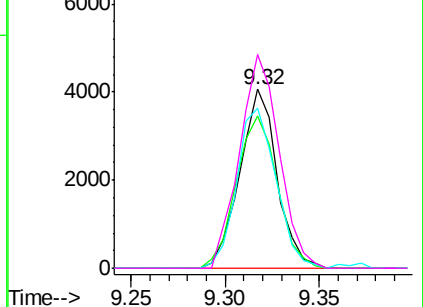


Abundance Ion 163.90 (163.60 to 164.60): V

Ion 128.95 (128.65 to 129.65): V

Ion 130.95 (130.65 to 131.65): V

Ion 165.90 (165.60 to 166.60): V



#53

Chlorobenzene

Concen: 2.742 ug/L

RT: 10.12 min Scan# 1482

Delta R.T. -0.00 min

Lab File: VX018792.D

Acq: 06 Oct 2020 12:08

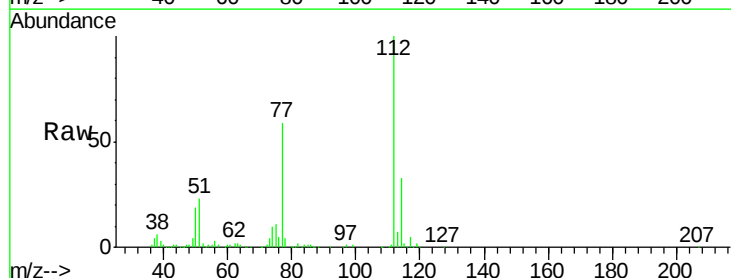
Tgt Ion:112 Resp: 50664

Ion Ratio Lower Upper

112 100

114 32.9 21.3 39.5

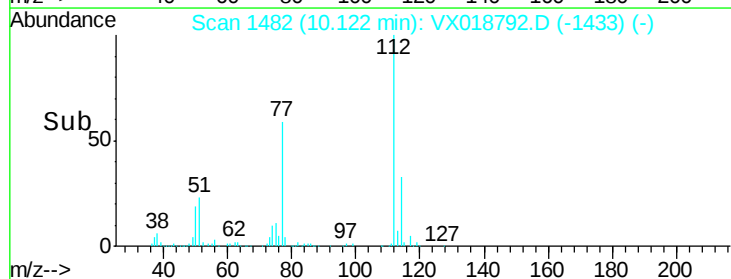
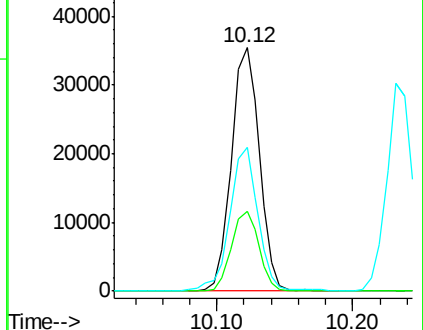
77 58.9 42.4 63.6

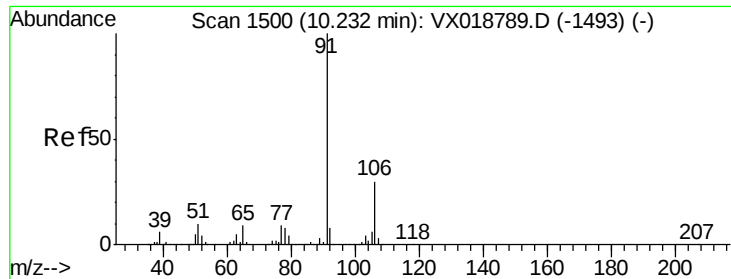


Abundance Ion 112.10 (111.80 to 112.80): V

Ion 114.05 (113.75 to 114.75): V

Ion 77.10 (76.80 to 77.80): V

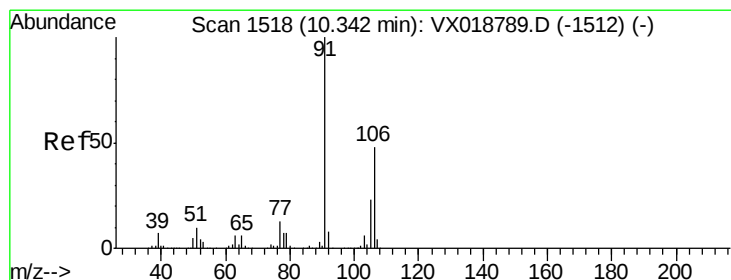
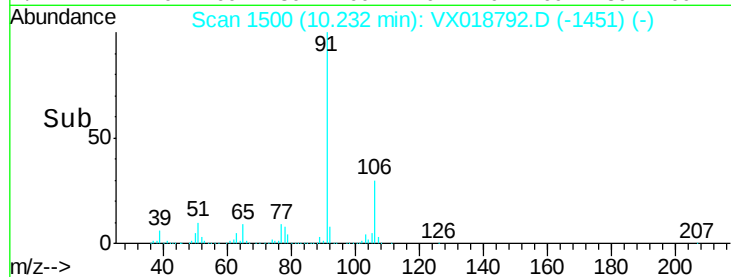
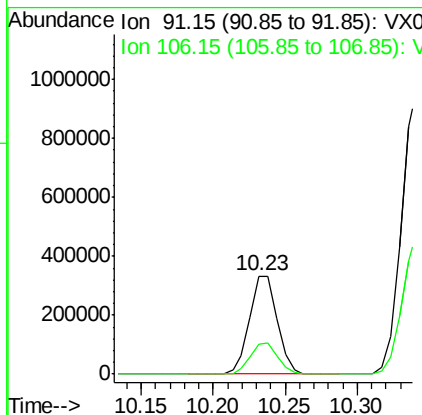
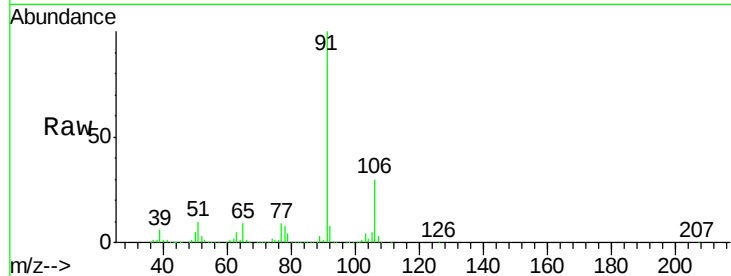




#54
Ethylbenzene
Concen: 14.594 ug/L
RT: 10.23 min Scan# 1500
Delta R.T. -0.00 min
Lab File: VX018792.D
Acq: 06 Oct 2020 12:08

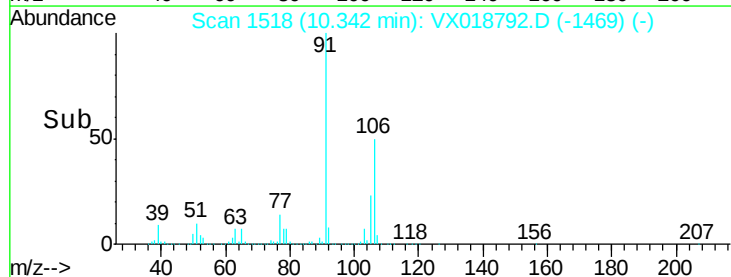
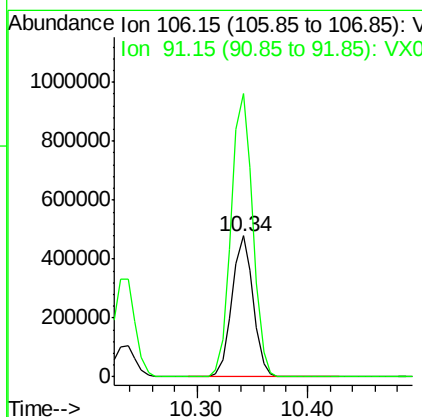
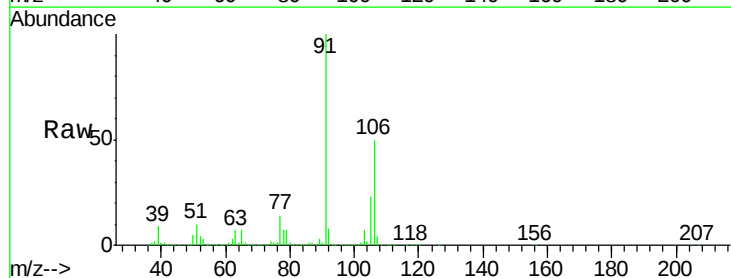
Instrument :
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ClientSampleId :
BG3Q9

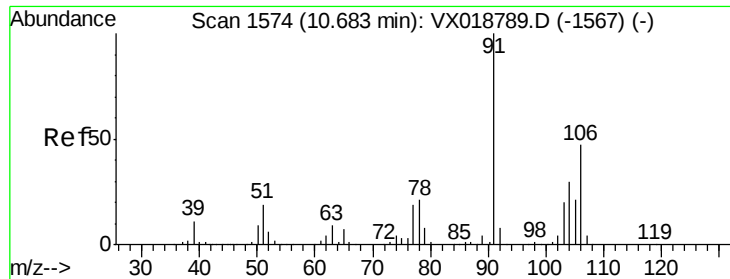
Tot Ion: 91 Resp: 441917
Ion Ratio Lower Upper
91 100
106 30.3 21.5 39.9



#55
m,p-xylene
Concen: 53.292 ug/L
RT: 10.34 min Scan# 1518
Delta R.T. -0.00 min
Lab File: VX018792.D
Acq: 06 Oct 2020 12:08

Tgt Ion: 106 Resp: 629437
Ion Ratio Lower Upper
106 100
91 200.8 143.4 266.2

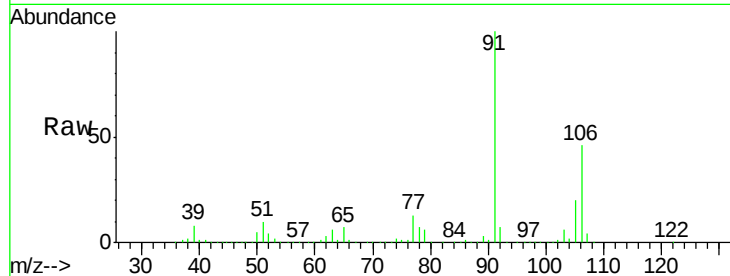




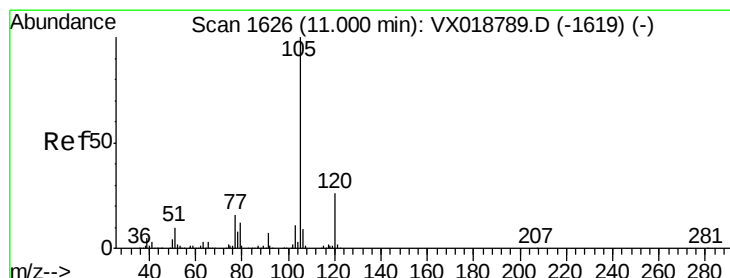
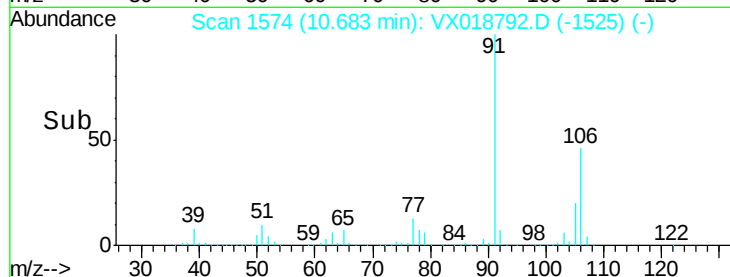
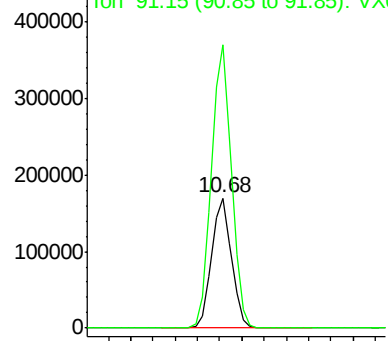
#56
o-xylene
Concen: 19.213 ug/L
RT: 10.68 min Scan# 1574
Delta R.T. -0.00 min
Lab File: VX018792.D
Acq: 06 Oct 2020 12:08

Instrument :
MSVOA_X
ClientSampled :
BG3Q9

Tot Ion:106 Resp: 209704
Ion Ratio Lower Upper
106 100
91 217.1 153.4 284.8

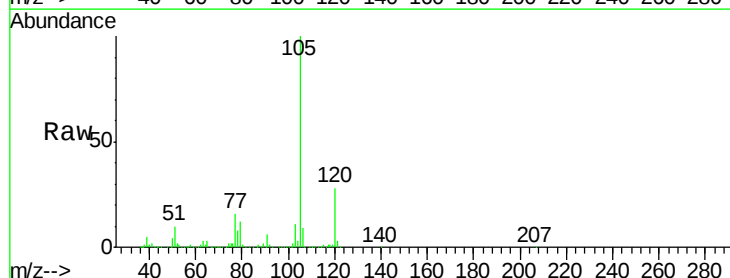


Abundance Ion 106.15 (105.85 to 106.85): V
Ion 91.15 (90.85 to 91.85): VX0

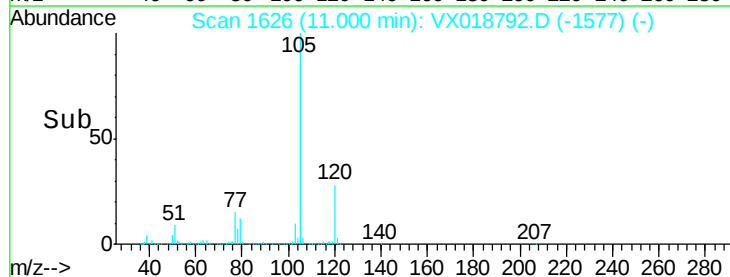
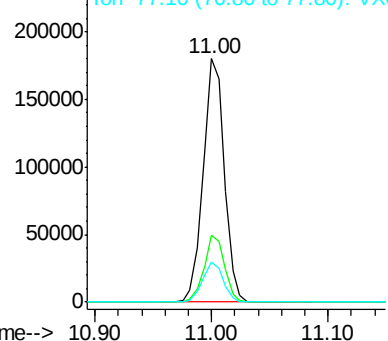


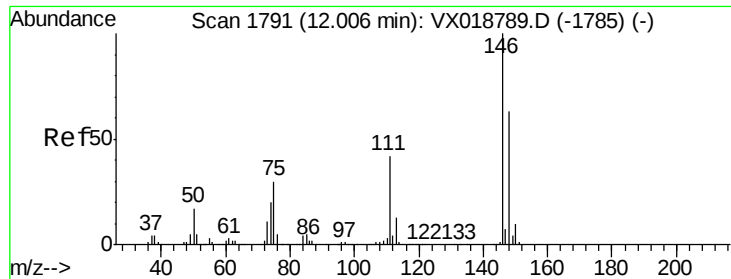
#58
Isopropylbenzene
Concen: 7.433 ug/L
RT: 11.00 min Scan# 1626
Delta R.T. -0.00 min
Lab File: VX018792.D
Acq: 06 Oct 2020 12:08

Tgt Ion:105 Resp: 227128
Ion Ratio Lower Upper
105 100
120 26.5 20.2 30.2
77 16.2 13.3 19.9



Abundance Ion 105.05 (104.75 to 105.75): V
Ion 120.10 (119.80 to 120.80): V
Ion 77.10 (76.80 to 77.80): VX0

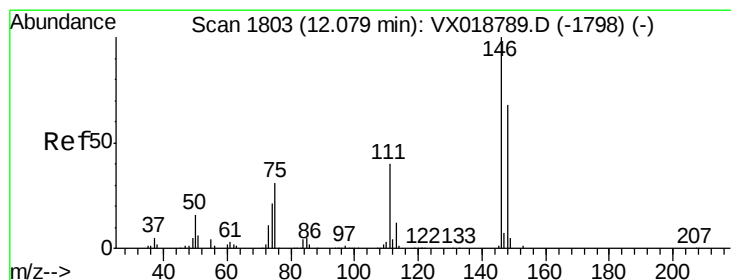
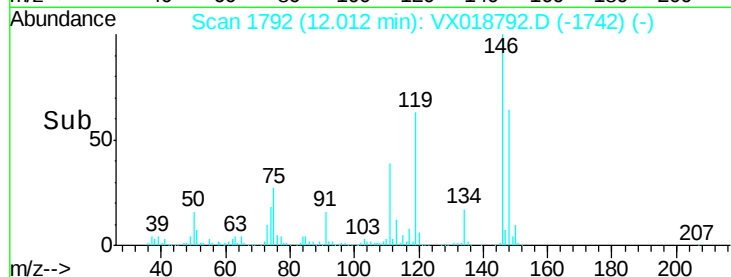
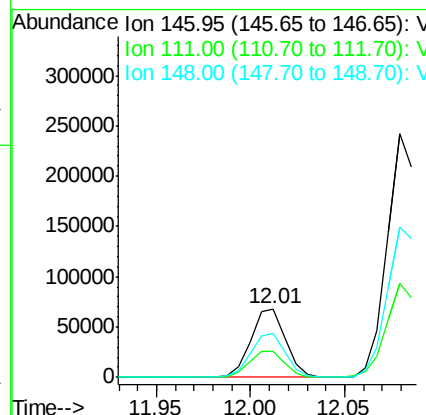
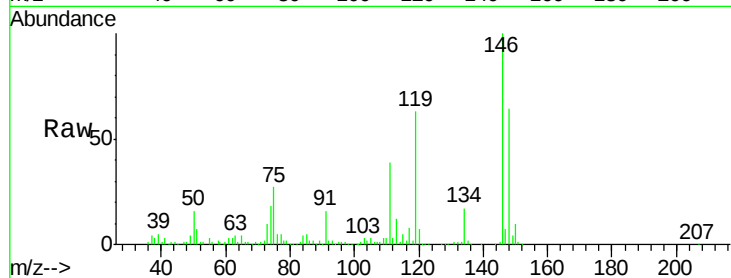




#63
 1,3-Dichlorobenzene
 Concen: 6.389 ug/L
 RT: 12.01 min Scan# 1792
 Delta R.T. 0.01 min
 Lab File: VX018792.D
 Acq: 06 Oct 2020 12:08

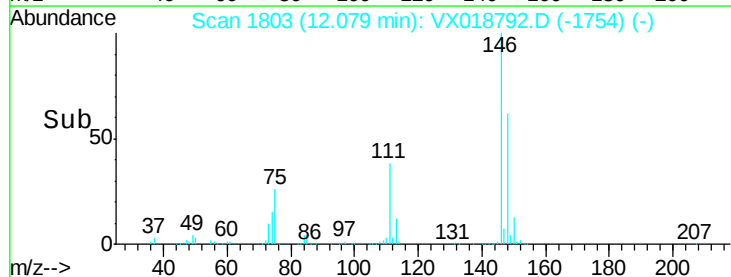
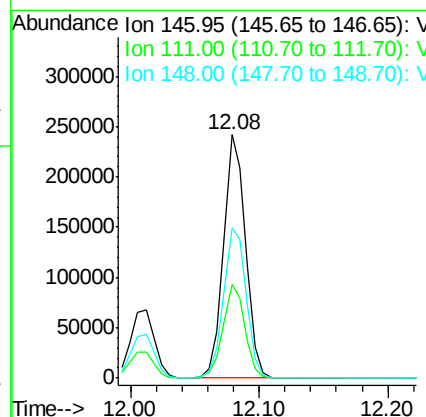
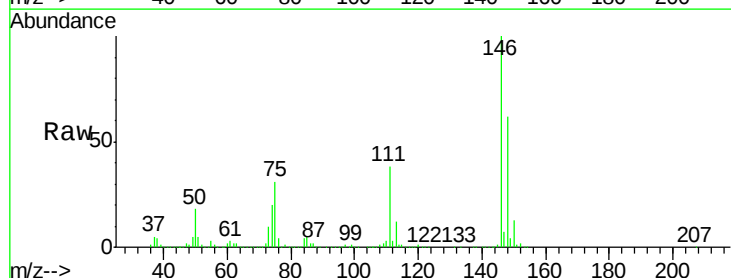
Instrument :
 MSVOA_X
 ClientSampleId :
 BG3Q9

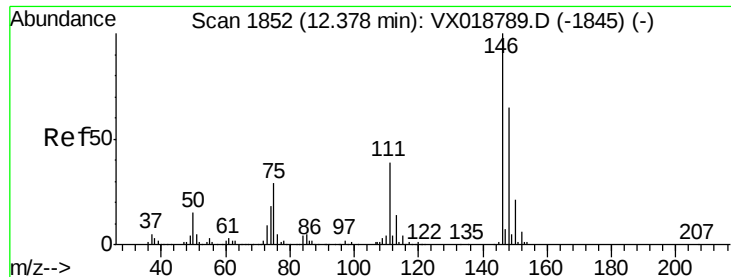
Tot Ion:146 Resp: 86346
 Ion Ratio Lower Upper
 146 100
 111 39.0 28.4 52.8
 148 64.4 45.9 85.3



#64
 1,4-Dichlorobenzene
 Concen: 21.675 ug/L
 RT: 12.08 min Scan# 1803
 Delta R.T. -0.00 min
 Lab File: VX018792.D
 Acq: 06 Oct 2020 12:08

Tgt Ion:146 Resp: 292144
 Ion Ratio Lower Upper
 146 100
 111 38.3 28.6 53.2
 148 61.8 44.2 82.0





#66

1,2-Dichlorobenzene

Concen: 9.563 ug/L

RT: 12.37 min Scan# 1851

Delta R.T. -0.01 min

Lab File: VX018792.D

Acq: 06 Oct 2020 12:08

Instrument :

MSVOA_X

ClientSampleId :

BG3Q9

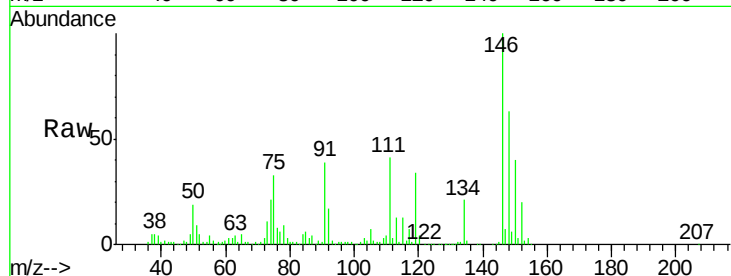
Tot Ion:146 Resp: 120679

Ion Ratio Lower Upper

146 100

111 41.4 31.7 47.5

148 63.0 49.0 73.6



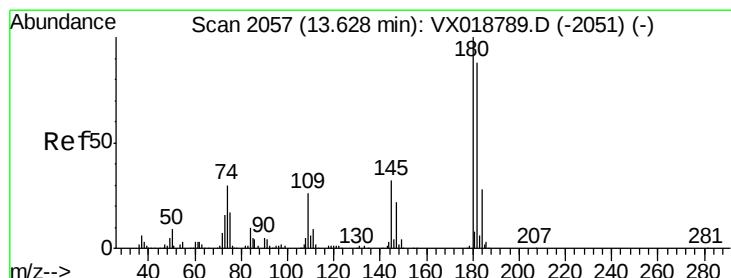
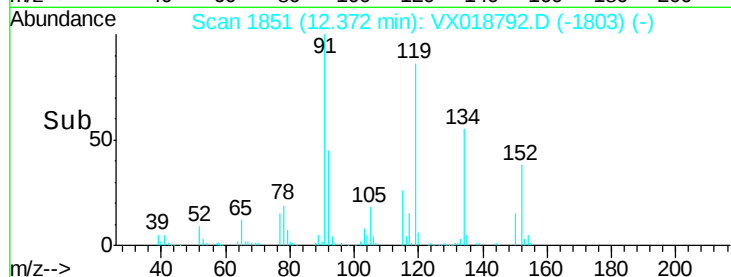
Abundance Ion 145.95 (145.65 to 146.65): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V

12.37

Time--> 12.30 12.35 12.40 12.45



#69

1,2,4-trichlorobenzene

Concen: 253.528 ug/L

RT: 13.63 min Scan# 2057

Delta R.T. -0.00 min

Lab File: VX018792.D

Acq: 06 Oct 2020 12:08

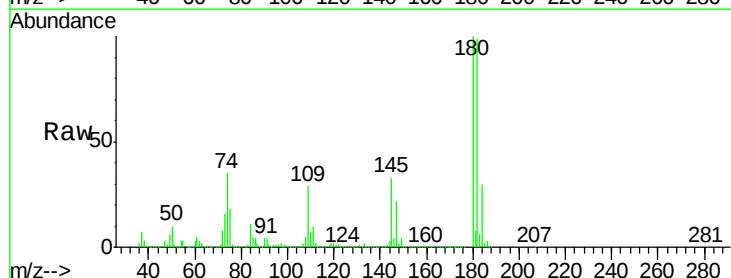
Tgt Ion:180 Resp: 2189619

Ion Ratio Lower Upper

180 100

182 95.8 80.2 120.4

145 32.0 25.2 37.8



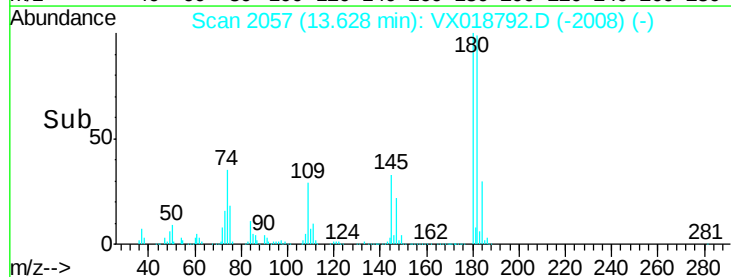
Abundance Ion 179.90 (179.60 to 180.60): V

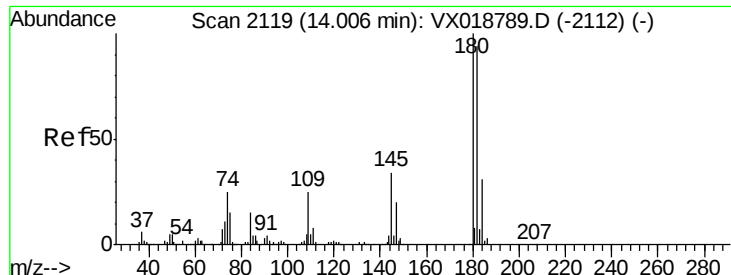
Ion 182.00 (181.70 to 182.70): V

Ion 144.95 (144.65 to 145.65): V

13.63

Time--> 13.50 13.60 13.70

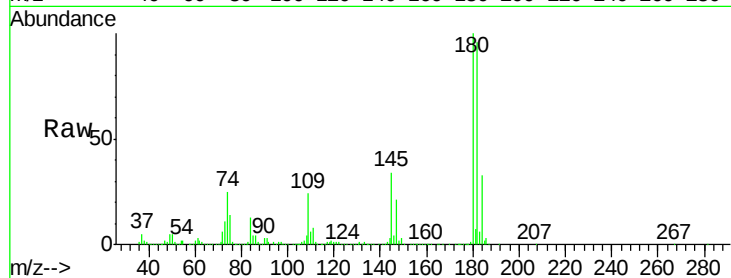




#71
 1,2,3-Trichlorobenzene
 Concen: 82.956 ug/L
 RT: 14.01 min Scan# 2119
 Delta R.T. -0.00 min
 Lab File: VX018792.D
 Acq: 06 Oct 2020 12:08

Instrument :
 MSVOA_X
 ClientSampleId :
 BG3Q9

Tot Ion	Ratio	Lower	Upper
180	100		
182	98.7	73.6	110.4
145	35.6	26.6	40.0



Abundance Ion 179.90 (179.60 to 180.60): V
 Ion 181.90 (181.60 to 182.60): V
 Ion 144.95 (144.65 to 145.65): V

