

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX100720\
 Data File : VX018817.D
 Acq On : 07 Oct 2020 17:40
 Operator : JC/SP
 Sample : L4240-10
 Misc : 25.0mL/MSVOA X/WATER
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 BG3S8

Quant Time: Oct 08 02:20:34 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\SOMXTR100220WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Thu Oct 08 01:16:58 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.83	114	166454	5.00	ug/L	0.00
28) Chlorobenzene-d5	10.10	117	149489	5.00	ug/L	0.00
61) 1,4-Dichlorobenzene-d4	12.06	152	74193	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.39	65	39413	4.05	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	81.00%
7) Chloroethane-d5	1.70	69	33714	4.43	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	88.60%
11) 1,1-Dichloroethene-d2	2.34	63	60219	2.75	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	55.00%#
20) 2-Butanone-d5	4.53	46	152467	59.78	ug/L	-0.03
Spiked Amount	50.000	Range	40 - 130	Recovery	=	119.56%
24) Chloroform-d	5.14	84	107589	4.57	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	91.40%
26) 1,2-Dichloroethane-d4	6.03	65	64121	4.46	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	89.20%
32) Benzene-d6	6.05	84	191531	5.16	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	103.20%
36) 1,2-Dichloropropane-d6	7.37	67	60894	5.67	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	113.40%
41) Toluene-d8	8.70	98	187741	5.13	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	102.60%
45) trans-1,3-Dichloropropene-	8.99	79	31321	5.42	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	108.40%
48) 2-Hexanone-d5	9.43	63	127846	66.02	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	132.04%#
59) 1,1,2,2-Tetrachloroethane-	11.23	84	46666	5.34	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	106.80%
65) 1,2-Dichlorobenzene-d4	12.36	152	71114	5.20	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	104.00%

Target Compounds

					Ovalue
13) Acetone	2.43	43	7726	5.549	ug/L 88
14) Carbon disulfide	2.55	76	13700	0.528	ug/L 100
21) 2-Butanone	4.65	43	6417	3.166	ug/L 82
29) 1,1,1-Trichloroethane	5.45	97	1706	0.096	ug/L # 61
30) Cyclohexane	5.55	56	307504	25.071	ug/L 95
33) Benzene	6.11	78	11021	0.352	ug/L 100
35) Methylcyclohexane	7.44	83	95968	7.327	ug/L 93
42) Toluene	8.77	91	14176	0.414	ug/L 91
53) Chlorobenzene	10.12	112	2254569	96.223	ug/L 94
54) Ethylbenzene	10.23	91	15405	0.401	ug/L 93
55) m,p-xylene	10.34	106	11226	0.749	ug/L 87
56) o-xylene	10.68	106	3313	0.239	ug/L # 59
57) Styrene	10.70	104	1543	0.065	ug/L 81
58) Isopropylbenzene	11.00	105	15230	0.393	ug/L 94
63) 1,3-Dichlorobenzene	12.01	146	411470	22.817	ug/L 99
64) 1,4-Dichlorobenzene	12.09	146	1082944	60.216	ug/L 97
66) 1,2-Dichlorobenzene	12.38	146	72244	4.291	ug/L 99

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX100720\
Data File : VX018817.D
Acq On : 07 Oct 2020 17:40
Operator : JC/SP
Sample : L4240-10
Misc : 25.0mL/MSVOA X/WATER
ALS Vial : 9 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
BG3S8

Quant Time: Oct 08 02:20:34 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\SOMXTR100220WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Thu Oct 08 01:16:58 2020
Response via : Initial Calibration

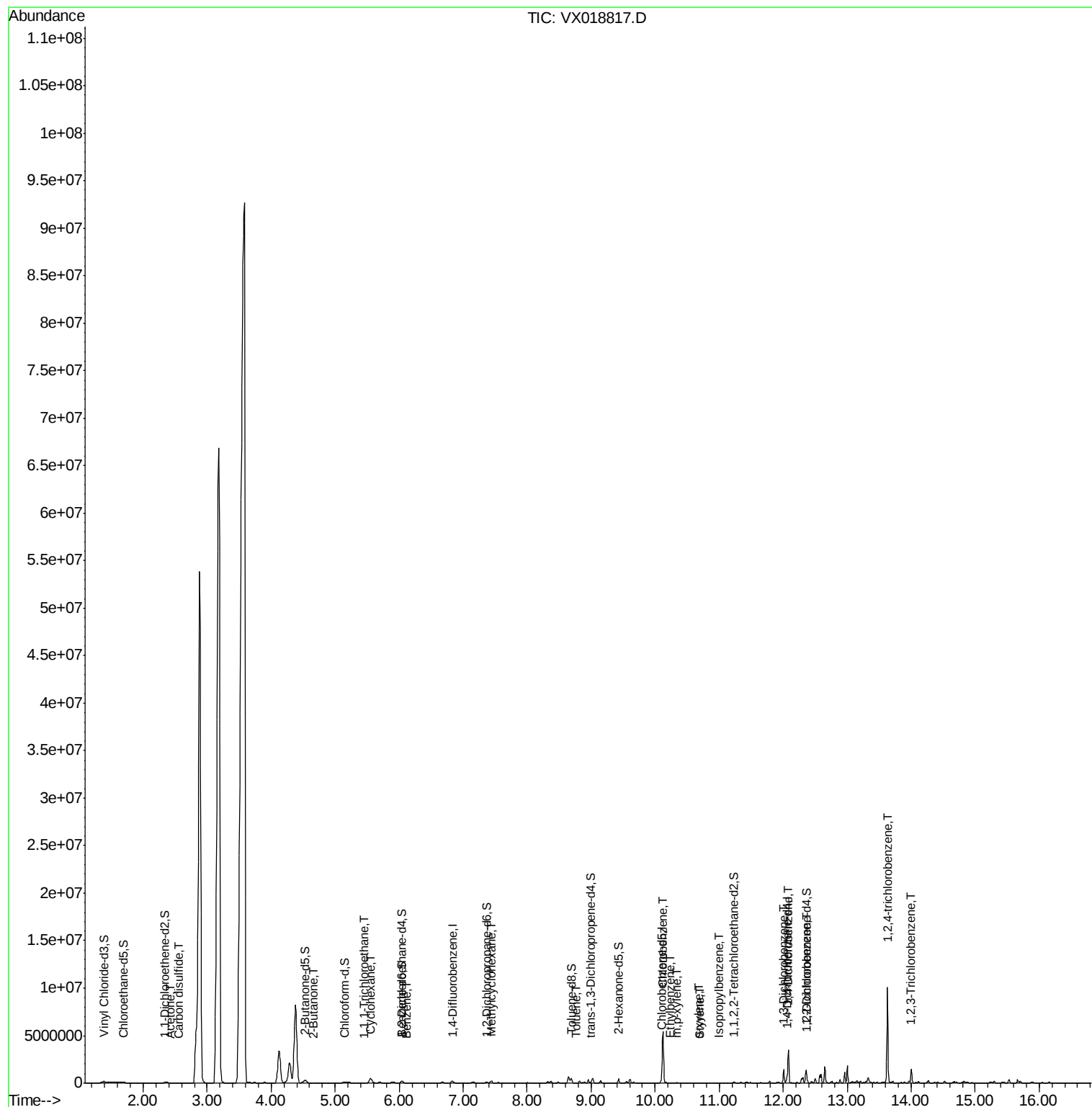
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
69) 1,2,4-trichlorobenzene	13.63	180	2308116	200.293	ug/L	98
71) 1,2,3-Trichlorobenzene	14.00	180	348355	33.598	ug/L	99

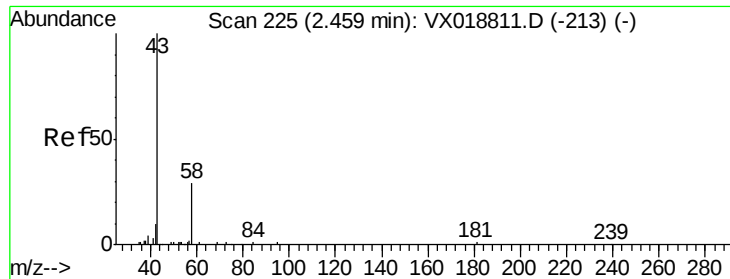
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX100720\
Data File : VX018817.D
Acq On : 07 Oct 2020 17:40
Operator : JC/SP
Sample : L4240-10
Misc : 25.0mL/MSVOA X/WATER
ALS Vial : 9 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
BG3S8

Quant Time: Oct 08 02:20:34 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\SOMXTR100220WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Thu Oct 08 01:16:58 2020
Response via : Initial Calibration





#13

Acetone

Concen: 5.549 ug/L

RT: 2.43 min Scan# 221

Delta R.T. -0.02 min

Lab File: VX018817.D

Acq: 07 Oct 2020 17:40

Instrument :

MSVOA_X

ClientSampled :

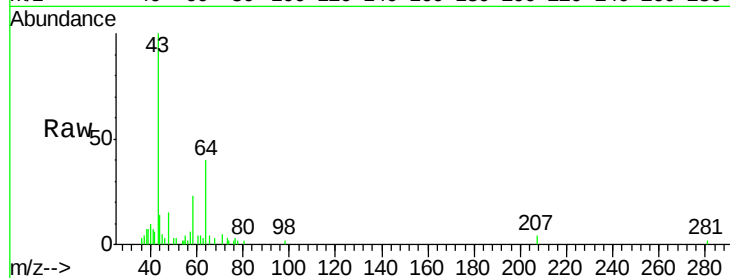
BG3S8

Tot Ion: 43 Resp: 7726

Ion Ratio Lower Upper

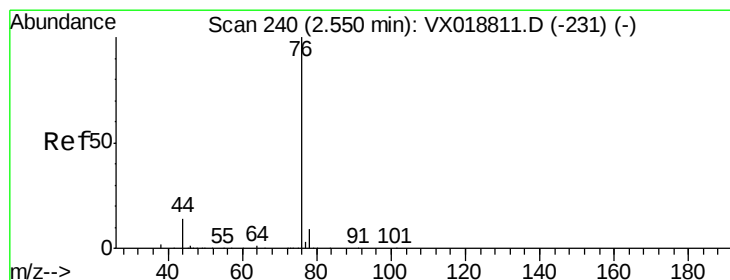
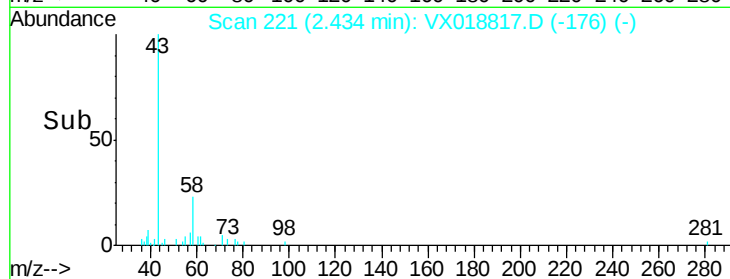
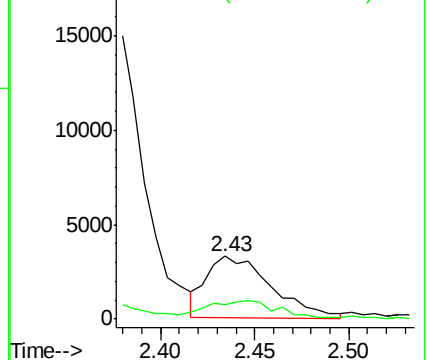
43 100

58 34.4 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: 0.528 ug/L

RT: 2.55 min Scan# 240

Delta R.T. -0.00 min

Lab File: VX018817.D

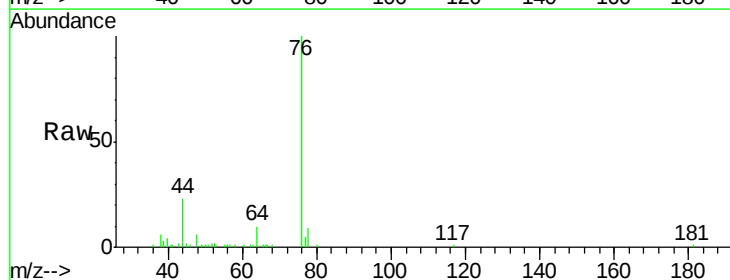
Acq: 07 Oct 2020 17:40

Tgt Ion: 76 Resp: 13700

Ion Ratio Lower Upper

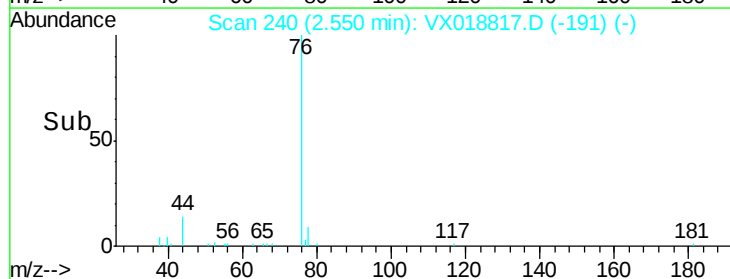
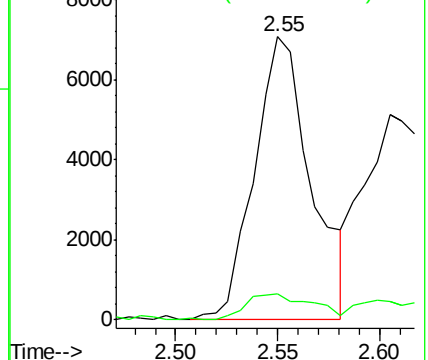
76 100

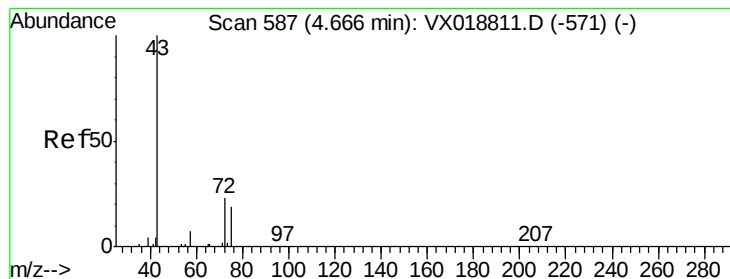
78 9.1 7.4 11.2



Abundance Ion 76.05 (75.75 to 76.75): VX0

Ion 78.00 (77.70 to 78.70): VX0





#21

2-Butanone

Concen: 3.166 ug/L

RT: 4.65 min Scan# 585

Delta R.T. -0.01 min

Lab File: VX018817.D

Acq: 07 Oct 2020 17:40

Instrument :

MSVOA_X

ClientSampled :

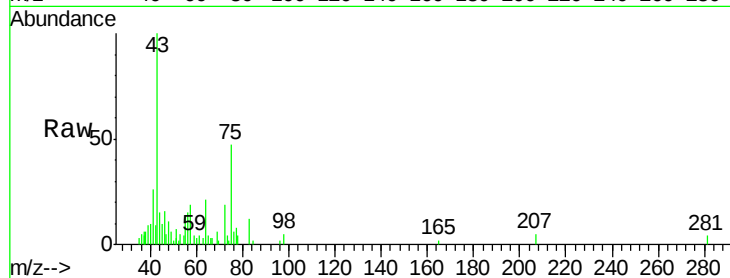
BG3S8

Tot Ion: 43 Resp: 6417

Ion Ratio Lower Upper

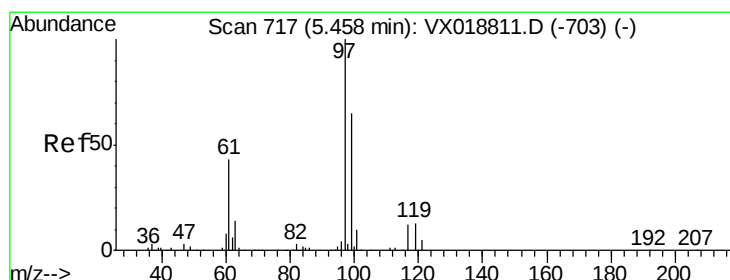
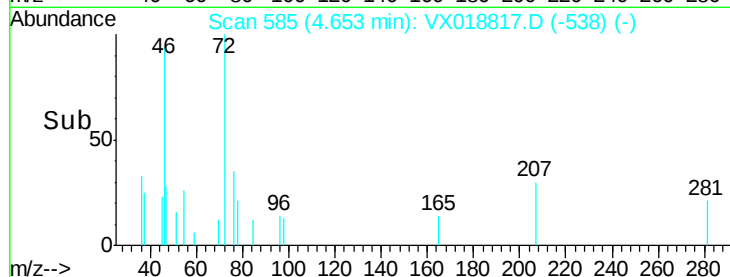
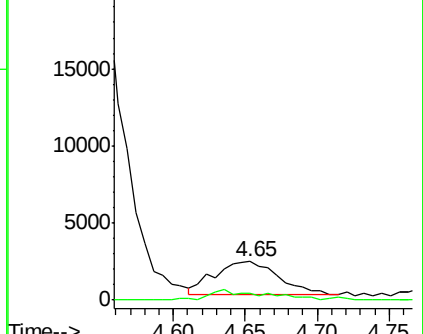
43 100

72 15.7 12.4 37.2



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 72.00 (71.70 to 72.70): VX0



#29

1,1,1-Trichloroethane

Concen: 0.096 ug/L

RT: 5.45 min Scan# 715

Delta R.T. -0.01 min

Lab File: VX018817.D

Acq: 07 Oct 2020 17:40

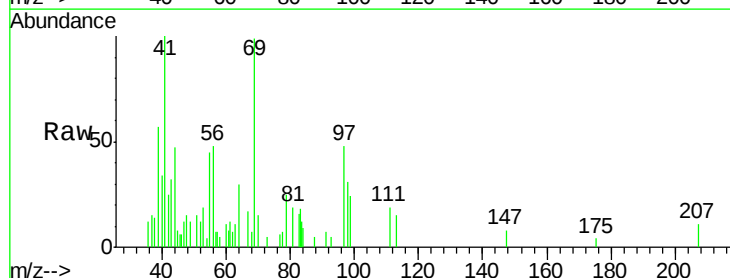
Tgt Ion: 97 Resp: 1706

Ion Ratio Lower Upper

97 100

99 27.7 51.3 76.9#

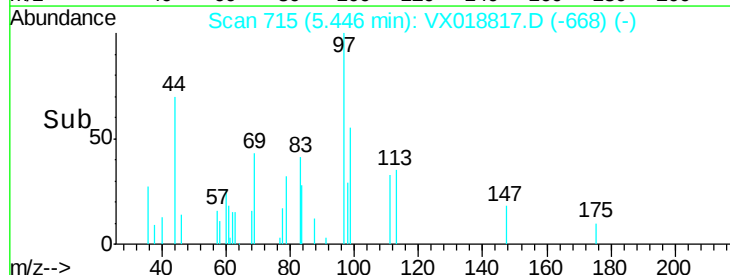
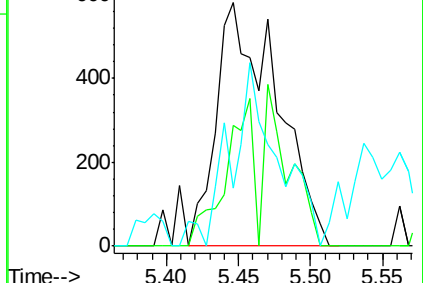
61 58.5 33.3 49.9#

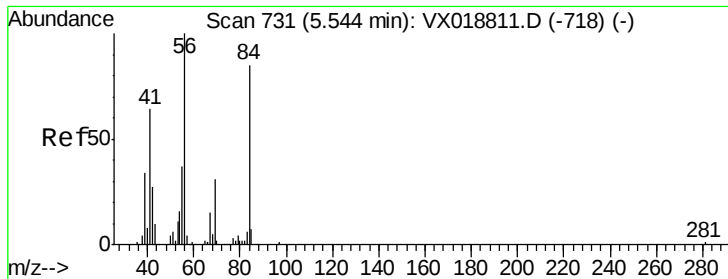


Abundance Ion 96.95 (96.65 to 97.65): VX0

Ion 99.05 (98.75 to 99.75): VX0

Ion 61.05 (60.75 to 61.75): VX0

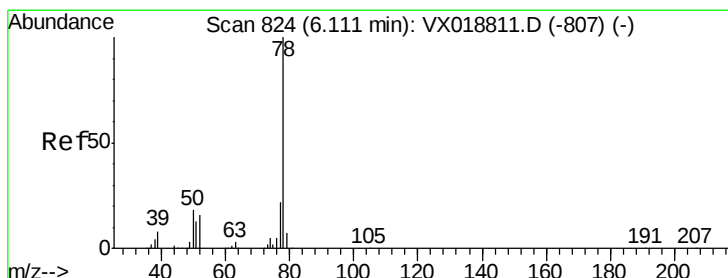
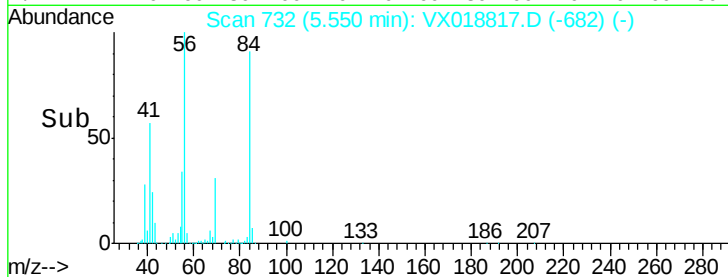
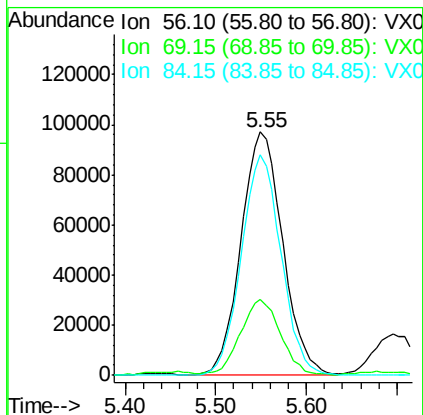
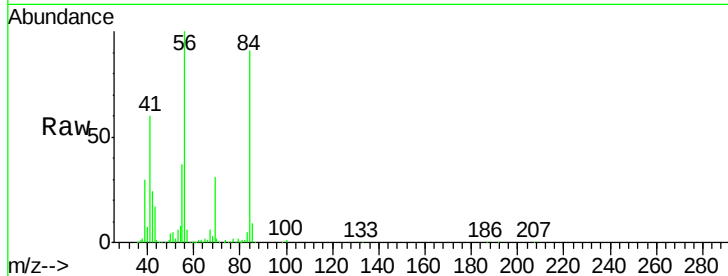




#30
Cyclohexane
Concen: 25.071 ug/L
RT: 5.55 min Scan# 732
Delta R.T. 0.01 min
Lab File: VX018817.D
Acq: 07 Oct 2020 17:40

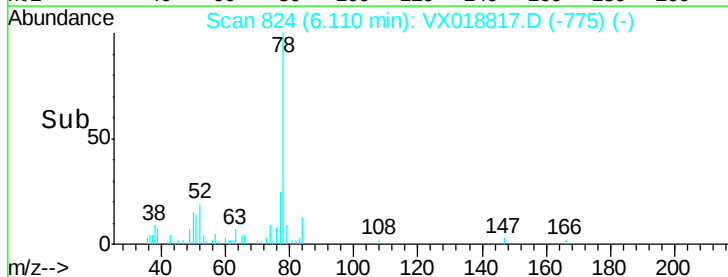
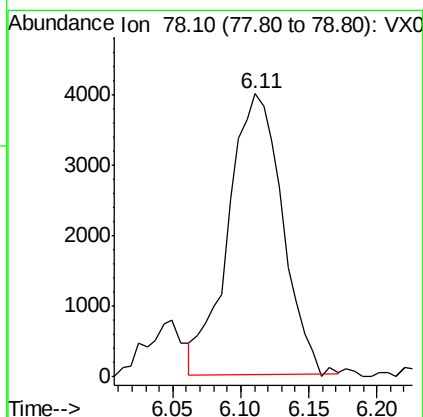
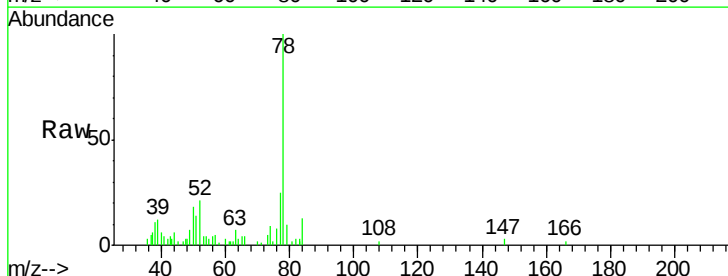
Instrument :
MSVOA_X
ClientSampled :
BG3S8

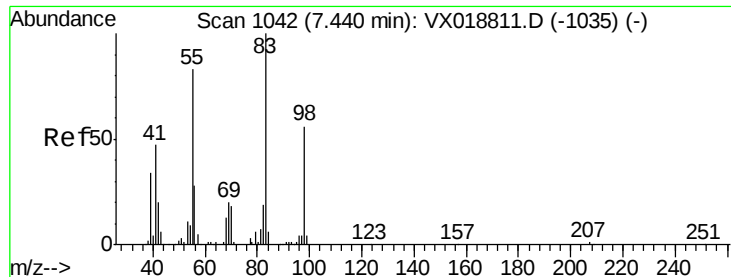
Tot Ion: 56 Resp: 307504
Ion Ratio Lower Upper
56 100
69 29.4 26.0 39.0
84 87.0 73.8 110.6



#33
Benzene
Concen: 0.352 ug/L
RT: 6.11 min Scan# 824
Delta R.T. -0.00 min
Lab File: VX018817.D
Acq: 07 Oct 2020 17:40

Tgt Ion: 78 Resp: 11021

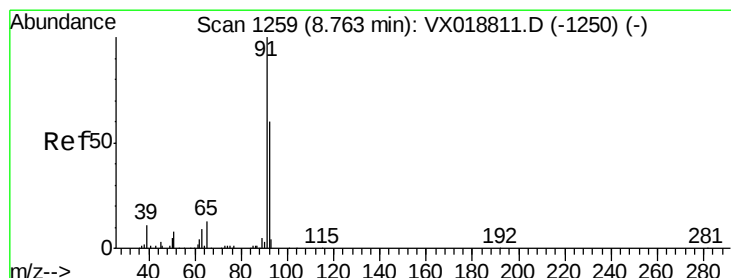
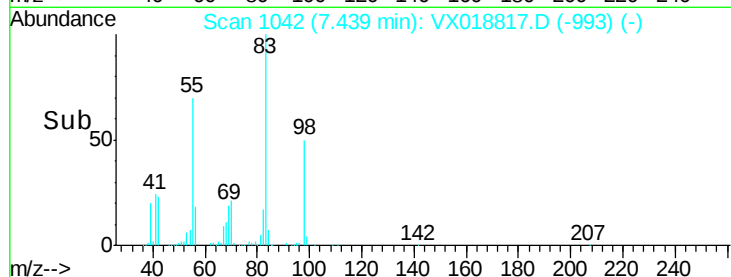
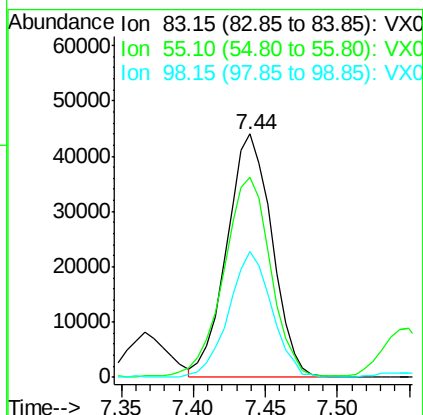
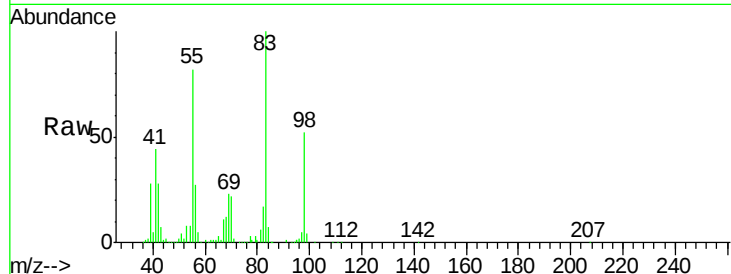




#35
Methvlcvclohexane
Concen: 7.327 ug/L
RT: 7.44 min Scan# 1042
Delta R.T. -0.00 min
Lab File: VX018817.D
Acq: 07 Oct 2020 17:40

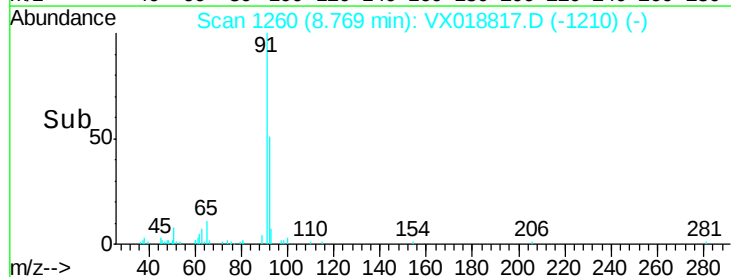
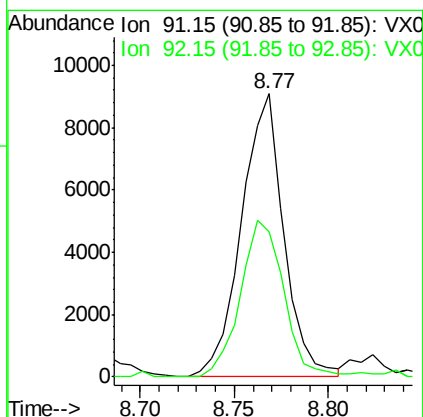
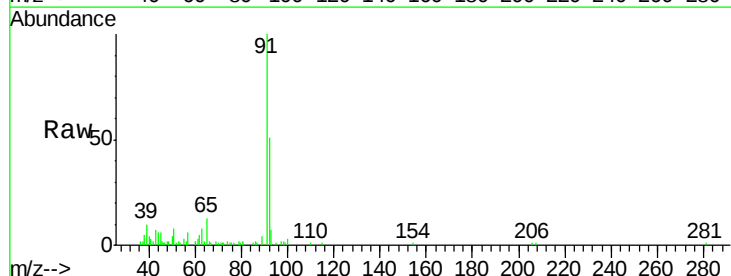
Instrument :
MSVOA_X
ClientSampled :
BG3S8

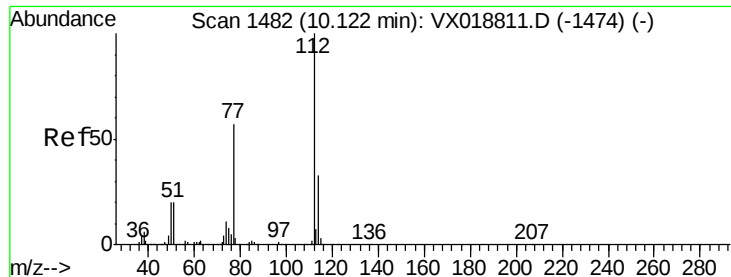
Tot Ion	83	Resp	95968
Ion Ratio	Lower	Upper	
83	100		
55	85.4	60.3	90.5
98	49.0	39.4	59.0



#42
Toluene
Concen: 0.414 ug/L
RT: 8.77 min Scan# 1260
Delta R.T. 0.01 min
Lab File: VX018817.D
Acq: 07 Oct 2020 17:40

Tgt Ion	91	Resp	14176
Ion Ratio	Lower	Upper	
91	100		
92	51.1	40.3	74.9





#53

Chlorobenzene

Concen: 96.223 ug/L

RT: 10.12 min Scan# 1482

Delta R.T. -0.00 min

Lab File: VX018817.D

Acq: 07 Oct 2020 17:40

Instrument :

MSVOA_X

ClientSampled :

BG3S8

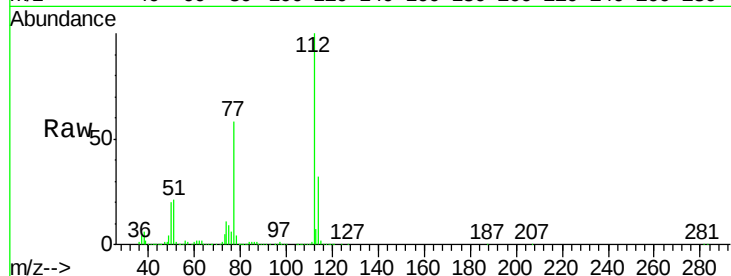
Tot Ion:112 Resp: 2254569

Ion Ratio Lower Upper

112 100

114 32.0 21.3 39.5

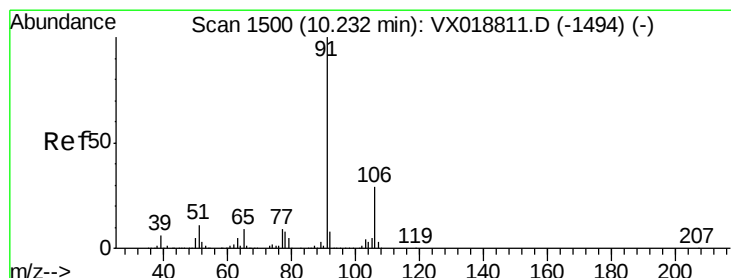
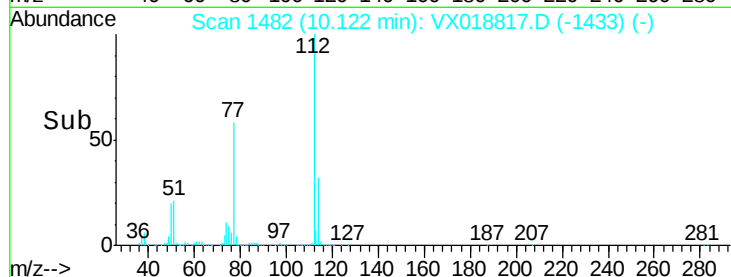
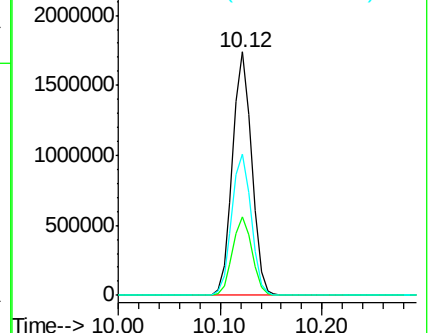
77 58.1 42.4 63.6



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: 0.401 ug/L

RT: 10.23 min Scan# 1500

Delta R.T. -0.00 min

Lab File: VX018817.D

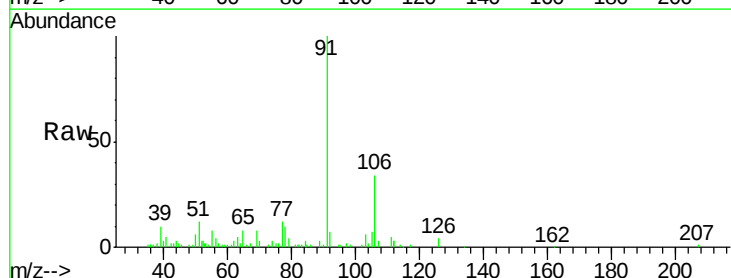
Acq: 07 Oct 2020 17:40

Tgt Ion: 91 Resp: 15405

Ion Ratio Lower Upper

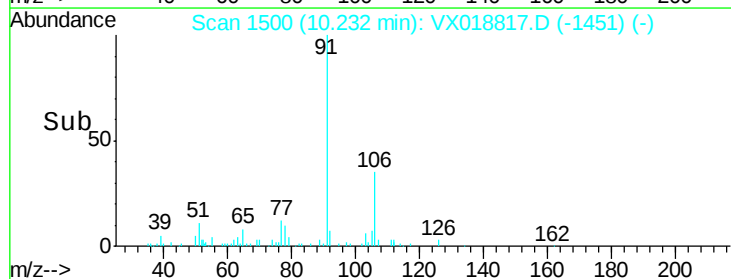
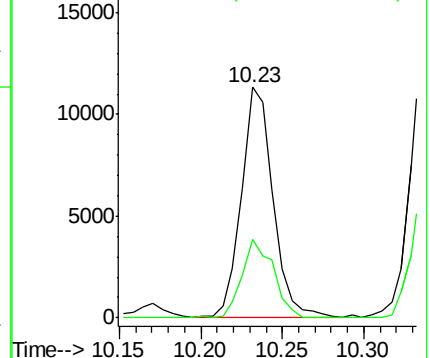
91 100

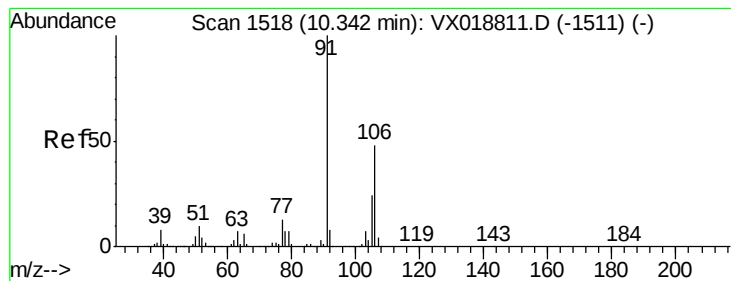
106 34.3 21.5 39.9



Abundance Ion 91.15 (90.85 to 91.85): VX0

Ion 106.15 (105.85 to 106.85): V





#55

m,p-xylene

Concen: 0.749 ug/L

RT: 10.34 min Scan# 1518

Delta R.T. -0.00 min

Lab File: VX018817.D

Acq: 07 Oct 2020 17:40

Instrument :

MSVOA_X

ClientSampleId :

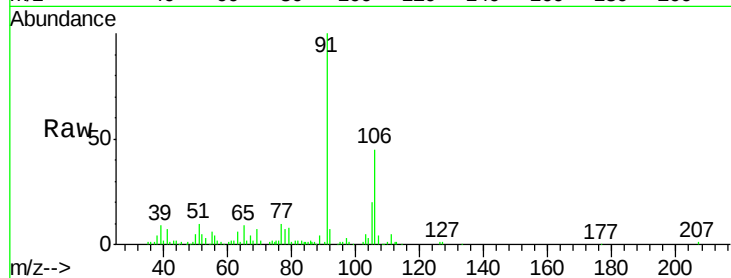
BG3S8

Tot Ion:106 Resp: 11226

Ion Ratio Lower Upper

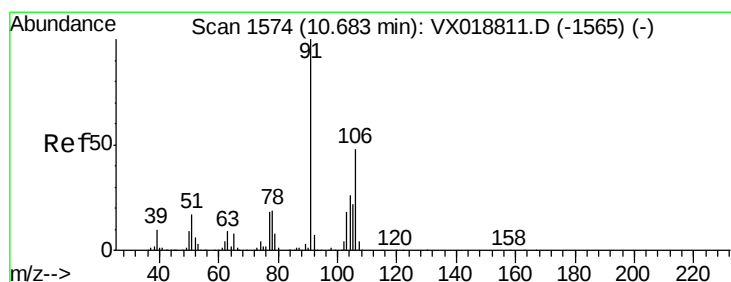
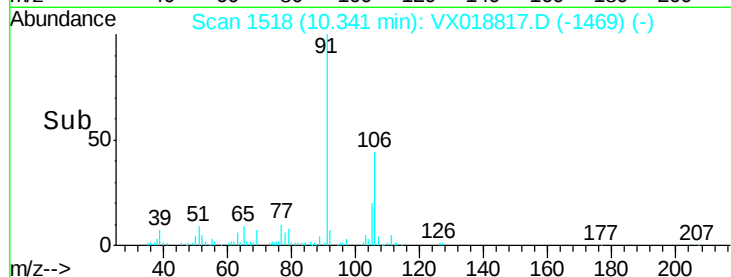
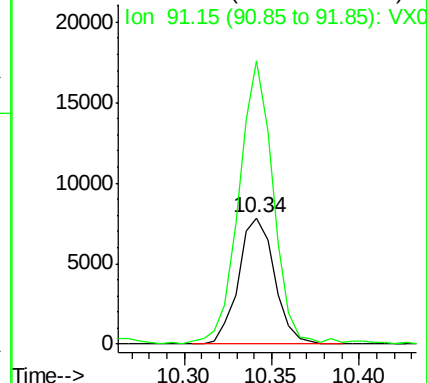
106 100

91 224.4 143.4 266.2



Abundance Ion 106.15 (105.85 to 106.85): V

Ion 91.15 (90.85 to 91.85): VX0



#56

o-xylene

Concen: 0.239 ug/L

RT: 10.68 min Scan# 1573

Delta R.T. -0.01 min

Lab File: VX018817.D

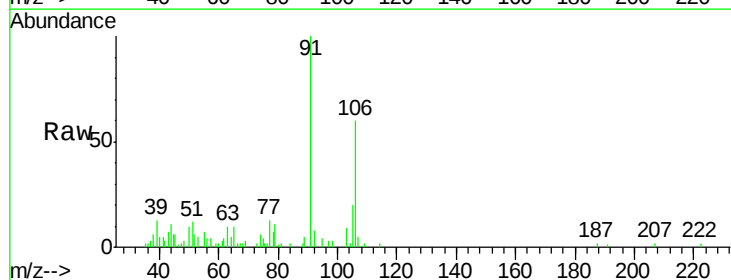
Acq: 07 Oct 2020 17:40

Tgt Ion:106 Resp: 3313

Ion Ratio Lower Upper

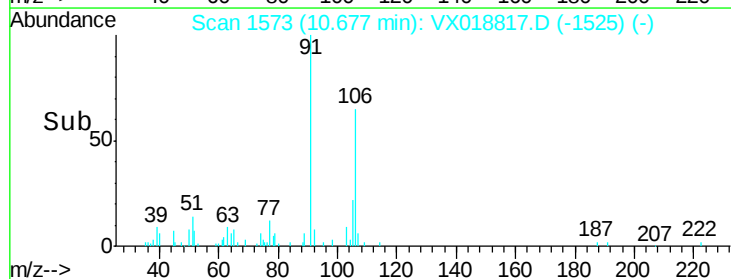
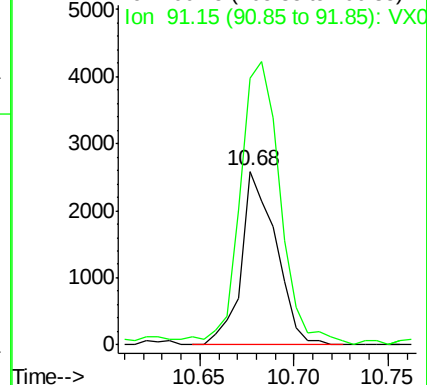
106 100

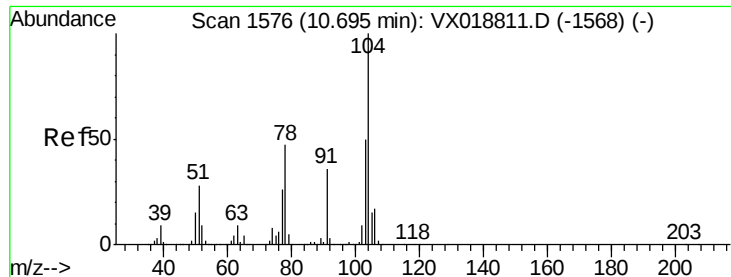
91 153.3 153.4 284.8#



Abundance Ion 106.15 (105.85 to 106.85): V

Ion 91.15 (90.85 to 91.85): VX0





#57

Stvrene

Concen: 0.065 ug/L

RT: 10.70 min Scan# 1576

Delta R.T. -0.00 min

Lab File: VX018817.D

Acq: 07 Oct 2020 17:40

Instrument :

MSVOA_X

ClientSampled :

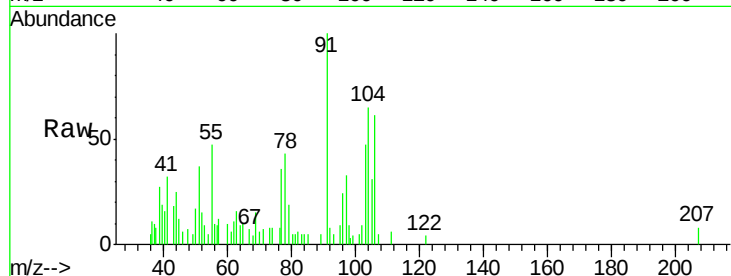
BG3S8

Tot Ion:104 Resp: 1543

Ion Ratio Lower Upper

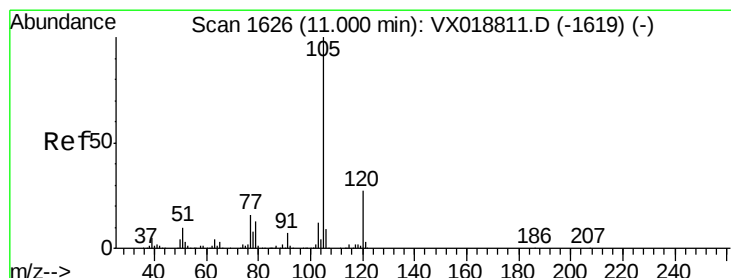
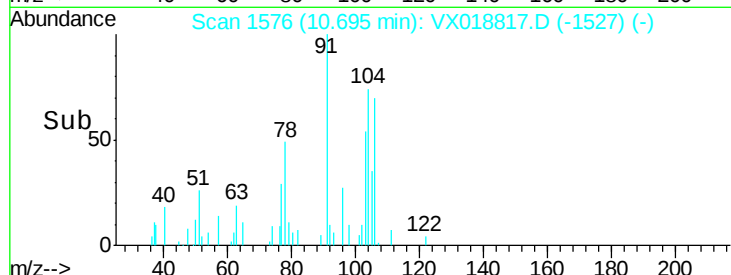
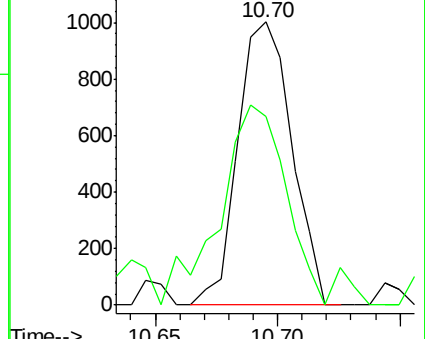
104 100

78 66.6 37.1 68.9



Abundance Ion 104.10 (103.80 to 104.80): V

Ion 78.10 (77.80 to 78.80): VX0



#58

Isopropylbenzene

Concen: 0.393 ug/L

RT: 11.00 min Scan# 1626

Delta R.T. -0.00 min

Lab File: VX018817.D

Acq: 07 Oct 2020 17:40

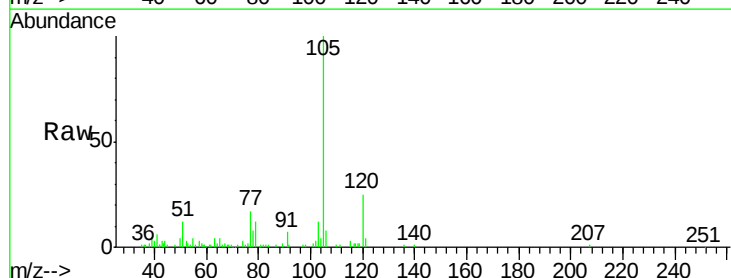
Tgt Ion:105 Resp: 15230

Ion Ratio Lower Upper

105 100

120 28.2 20.2 30.2

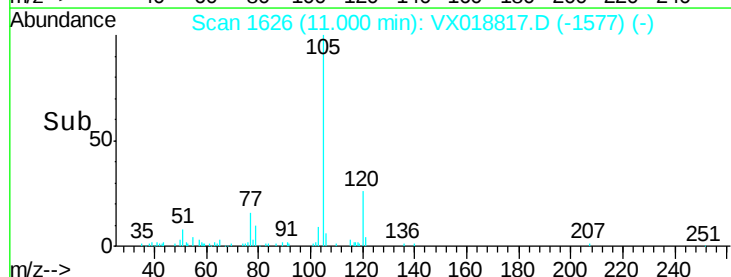
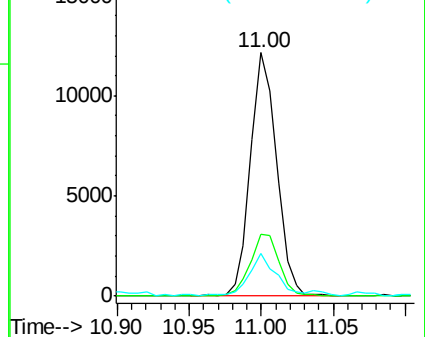
77 19.7 13.3 19.9

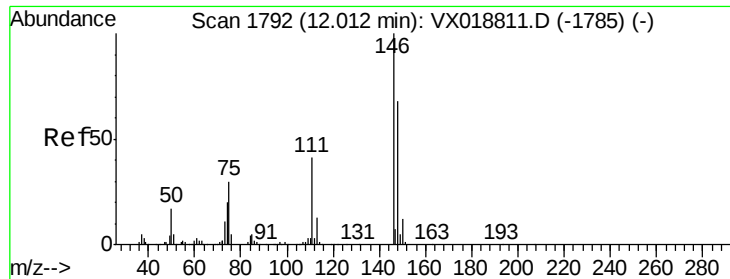


Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.10 (119.80 to 120.80): V

Ion 77.10 (76.80 to 77.80): VX0

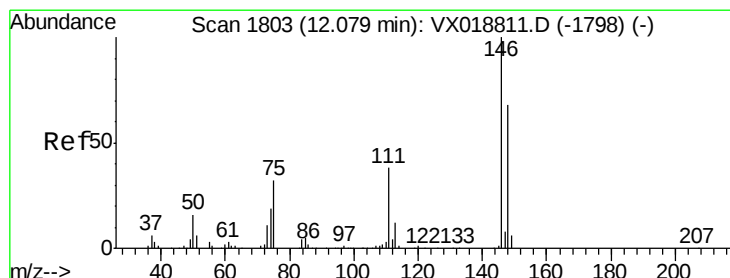
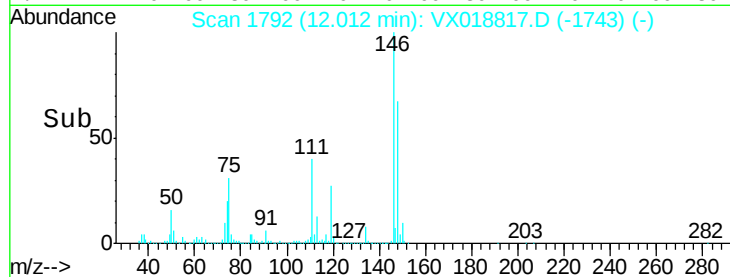
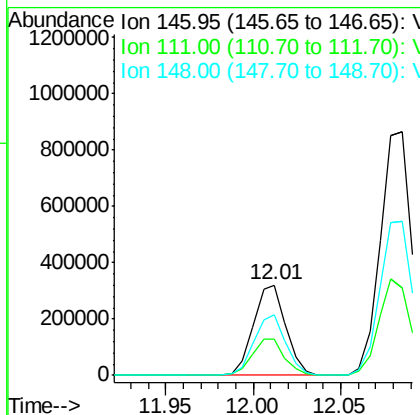
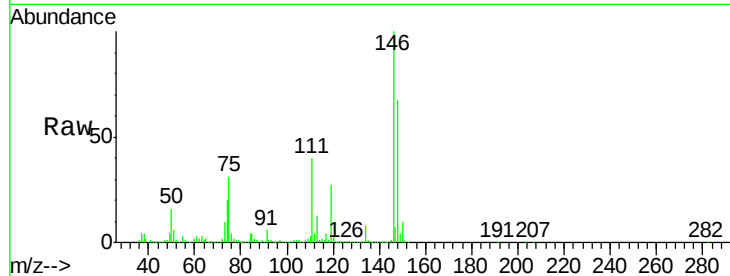




#63
 1,3-Dichlorobenzene
 Concen: 22.817 ug/L
 RT: 12.01 min Scan# 1792
 Delta R.T. -0.00 min
 Lab File: VX018817.D
 Acq: 07 Oct 2020 17:40

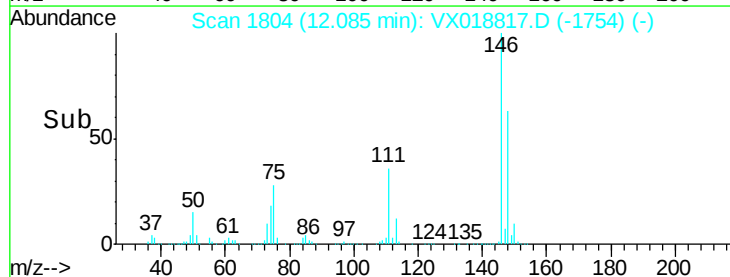
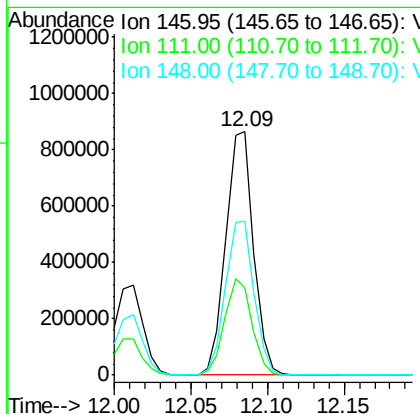
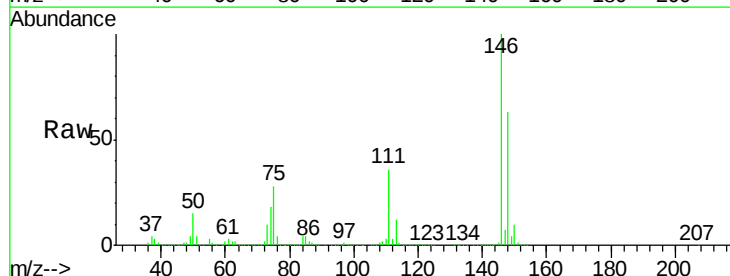
Instrument :
 MSVOA_X
 ClientSampleId :
 BG3S8

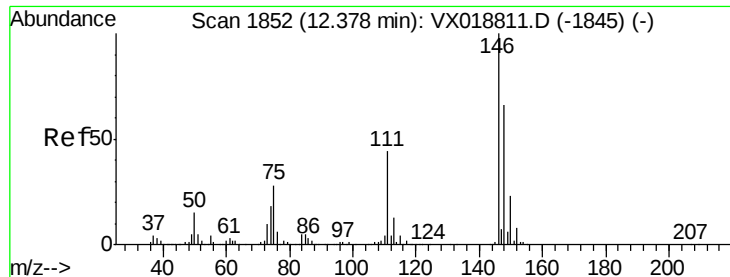
Tot Ion	Ratio	Lower	Upper
146	100		
111	40.5	28.4	52.8
148	66.6	45.9	85.3



#64
 1,4-Dichlorobenzene
 Concen: 60.216 ug/L
 RT: 12.09 min Scan# 1804
 Delta R.T. 0.01 min
 Lab File: VX018817.D
 Acq: 07 Oct 2020 17:40

Tgt Ion	Ratio	Lower	Upper
146	100		
111	35.8	28.6	53.2
148	63.2	44.2	82.0





#66

1,2-Dichlorobenzene

Concen: 4.291 ug/L

RT: 12.38 min Scan# 1852

Delta R.T. -0.00 min

Lab File: VX018817.D

Acq: 07 Oct 2020 17:40

Instrument :

MSVOA_X

ClientSampleId :

BG3S8

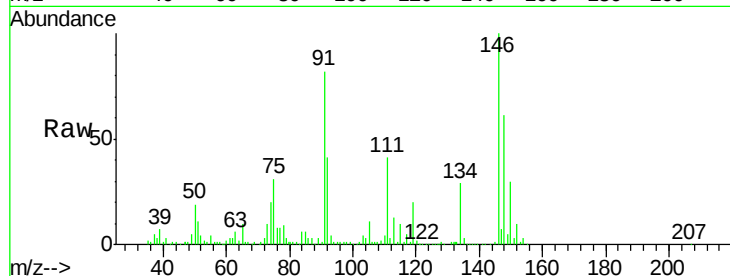
Tot Ion:146 Resp: 72244

Ion Ratio Lower Upper

146 100

111 41.4 31.7 47.5

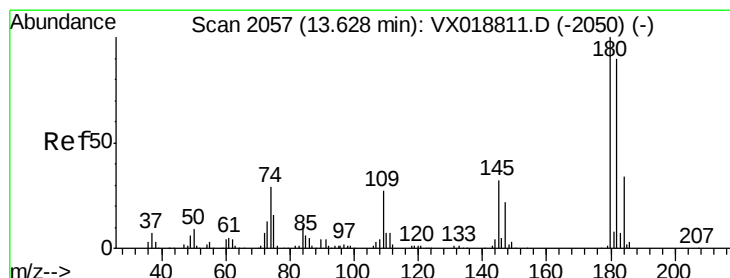
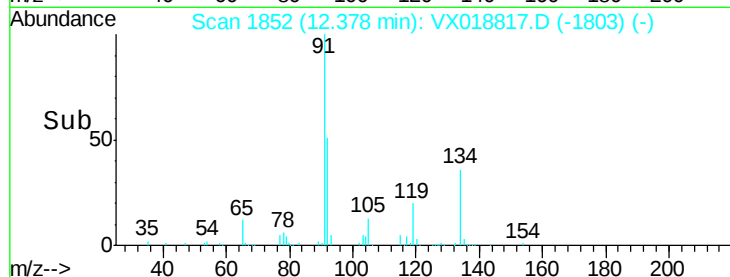
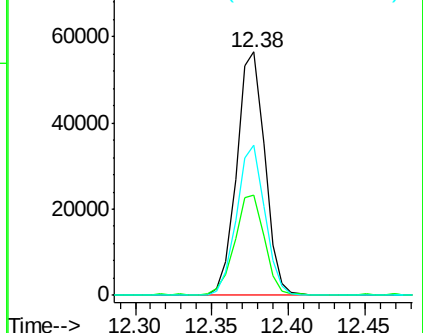
148 61.5 49.0 73.6



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



#69

1,2,4-trichlorobenzene

Concen: 200.293 ug/L

RT: 13.63 min Scan# 2057

Delta R.T. -0.00 min

Lab File: VX018817.D

Acq: 07 Oct 2020 17:40

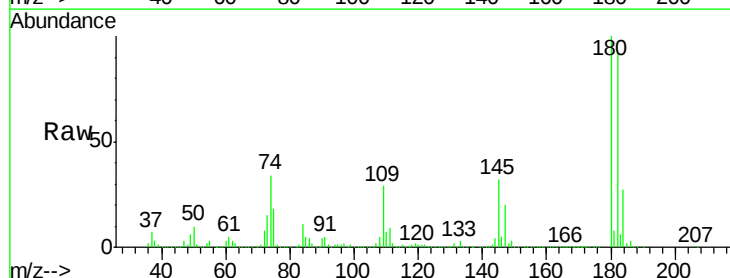
Tgt Ion:180 Resp: 2308116

Ion Ratio Lower Upper

180 100

182 98.5 80.2 120.4

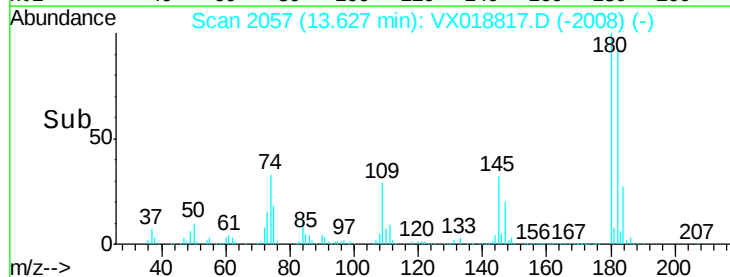
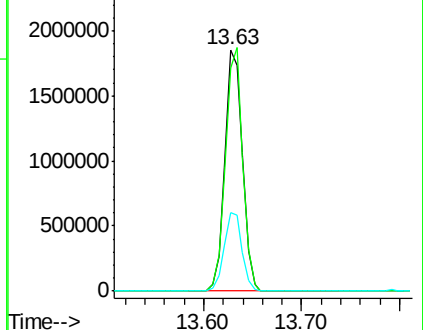
145 33.0 25.2 37.8

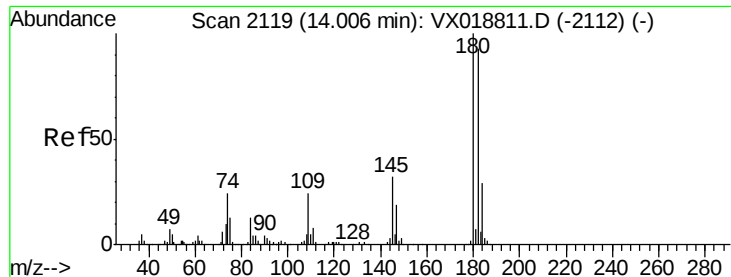


Abundance Ion 179.90 (179.60 to 180.60): V

Ion 182.00 (181.70 to 182.70): V

Ion 144.95 (144.65 to 145.65): V

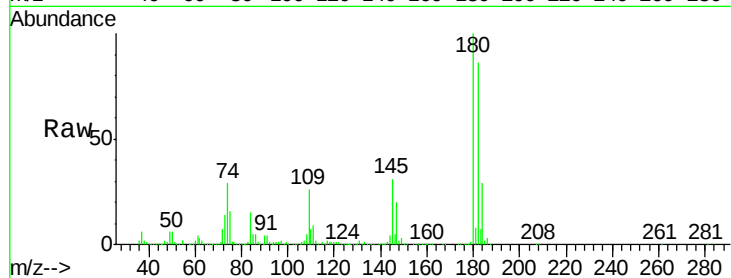




#71
 1,2,3-Trichlorobenzene
 Concen: 33.598 ug/L
 RT: 14.00 min Scan# 2118
 Delta R.T. -0.01 min
 Lab File: VX018817.D
 Acq: 07 Oct 2020 17:40

Instrument :
 MSVOA_X
 ClientSampleId :
 BG3S8

Tot Ion	Ratio	Lower	Upper
180	100		
182	92.1	73.6	110.4
145	34.4	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

