

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX100620\
 Data File : VX018791.D
 Acq On : 06 Oct 2020 11:43
 Operator : JC/SP
 Sample : L4240-01
 Misc : 25.0mL/MSVOA X/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 BG3Q7

Quant Time: Oct 07 01:46:53 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	129292	5.00	ug/L	0.00
28) Chlorobenzene-d5	10.09	117	123703	5.00	ug/L	0.00
61) 1,4-Dichlorobenzene-d4	12.06	152	66892	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.39	65	37273	4.93	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	98.60%
7) Chloroethane-d5	1.70	69	31310	5.30	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	106.00%
11) 1,1-Dichloroethene-d2	2.34	63	63011	3.70	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	74.00%
20) 2-Butanone-d5	4.54	46	111213	56.14	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	112.28%
24) Chloroform-d	5.14	84	90266	4.94	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	98.80%
26) 1,2-Dichloroethane-d4	6.03	65	50155	4.50	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	90.00%
32) Benzene-d6	6.04	84	163366	5.31	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	106.20%
36) 1,2-Dichloropropane-d6	7.37	67	48723	5.48	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	109.60%
41) Toluene-d8	8.70	98	149496	4.93	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	98.60%
45) trans-1,3-Dichloropropene-	8.99	79	16242	3.40	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	68.00%
48) 2-Hexanone-d5	9.43	63	84079	52.47	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	104.94%
59) 1,1,2,2-Tetrachloroethane-	11.23	84	37379	5.17	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	103.40%
65) 1,2-Dichlorobenzene-d4	12.36	152	63250	5.13	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	102.60%

Target Compounds

					Ovalue
13) Acetone	2.44	43	3786	3.501	ug/L 84
14) Carbon disulfide	2.56	76	22219	1.102	ug/L 98
19) 1,1-Dichloroethane	3.67	63	3289	0.268	ug/L # 87
29) 1,1,1-Trichloroethane	5.46	97	39988	2.733	ug/L 99
30) Cyclohexane	5.55	56	426584	42.029	ug/L 99
35) Methylcyclohexane	7.43	83	2823	0.260	ug/L # 69
42) Toluene	8.76	91	1738856	61.344	ug/L 99
49) Tetrachloroethene	9.32	164	1838	0.275	ug/L 90
53) Chlorobenzene	10.12	112	40841	2.106	ug/L 91
54) Ethylbenzene	10.23	91	187203	5.891	ug/L 97
55) m,p-xylene	10.34	106	267493	21.582	ug/L 95
56) o-xylene	10.68	106	93330	8.148	ug/L 99
58) Isopropylbenzene	11.00	105	77613	2.420	ug/L 97
63) 1,3-Dichlorobenzene	12.01	146	45530	2.800	ug/L 98
64) 1,4-Dichlorobenzene	12.08	146	197163	12.160	ug/L 98
66) 1,2-Dichlorobenzene	12.37	146	53714	3.538	ug/L 92
69) 1,2,4-trichlorobenzene	13.63	180	445368	42.866	ug/L 97

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QLast Update : Wed Oct 07 01:30:09 2020
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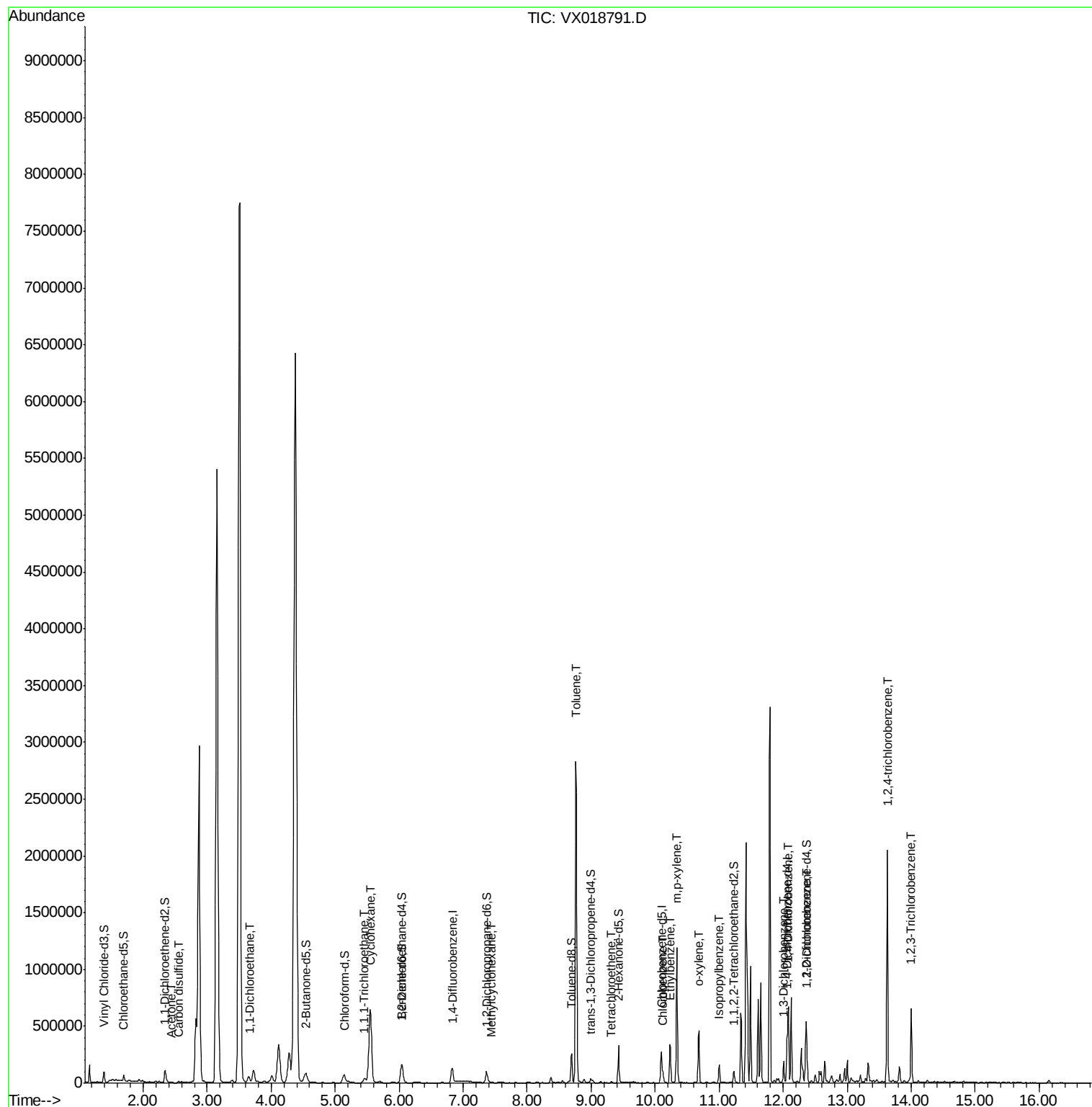
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
71) 1,2,3-Trichlorobenzene	14.00	180	154841	16.564	ug/L	99

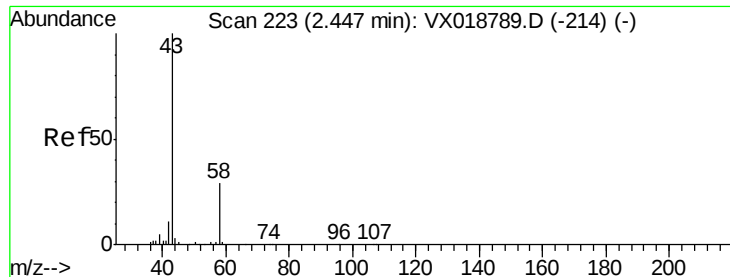
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Wed Oct 07 01:30:09 2020
Response via : Initial Calibration





#13

Acetone

Concen: 3.501 ug/L

RT: 2.44 min Scan# 222

Delta R.T. -0.01 min

Lab File: VX018791.D

Acq: 06 Oct 2020 11:43

Instrument :

MSVOA_X

ClientSampled :

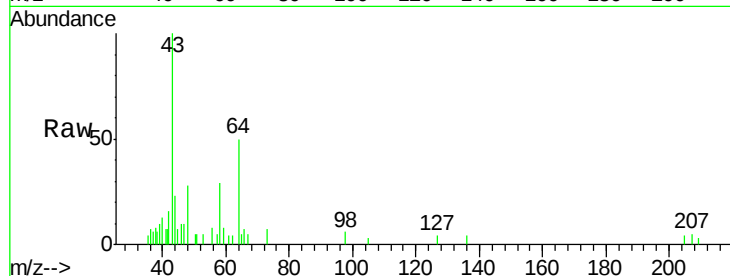
BG3Q7

Tot Ion: 43 Resp: 3786

Ion Ratio Lower Upper

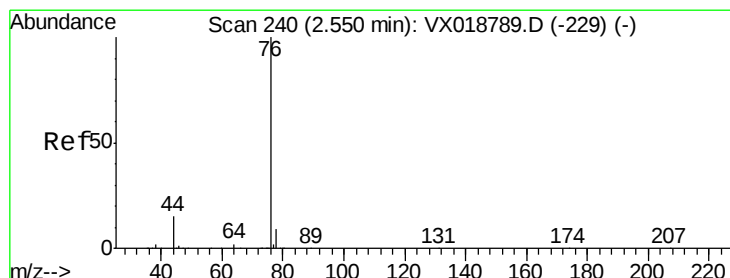
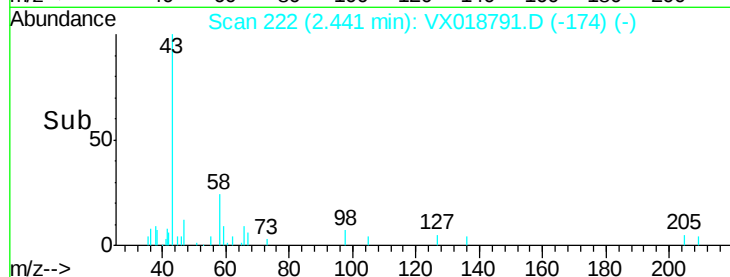
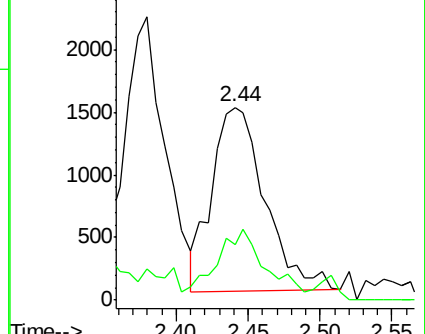
43 100

58 36.8 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: 1.102 ug/L

RT: 2.56 min Scan# 241

Delta R.T. 0.01 min

Lab File: VX018791.D

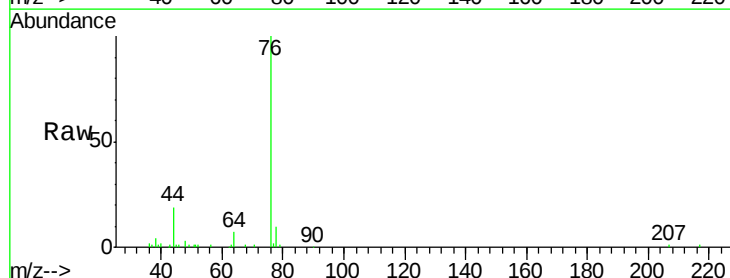
Acq: 06 Oct 2020 11:43

Tgt Ion: 76 Resp: 22219

Ion Ratio Lower Upper

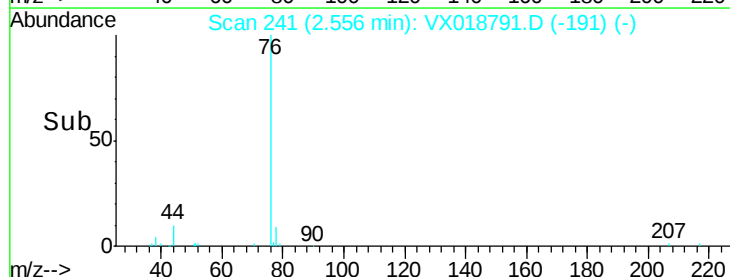
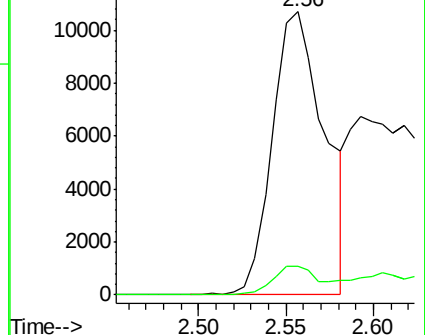
76 100

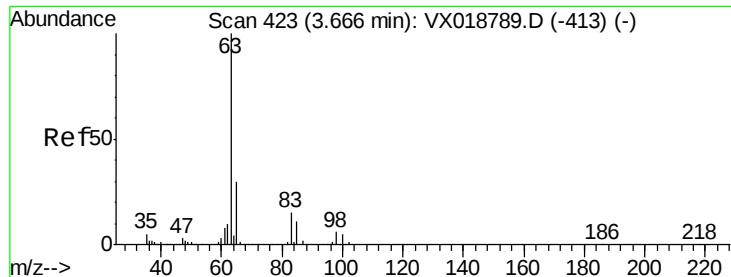
78 10.0 7.4 11.2



Abundance Ion 76.05 (75.75 to 76.75): VX0

Ion 78.00 (77.70 to 78.70): VX0

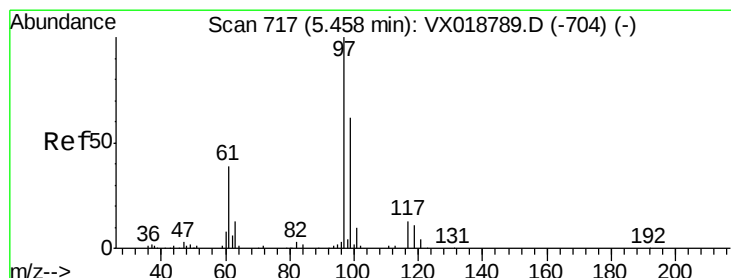
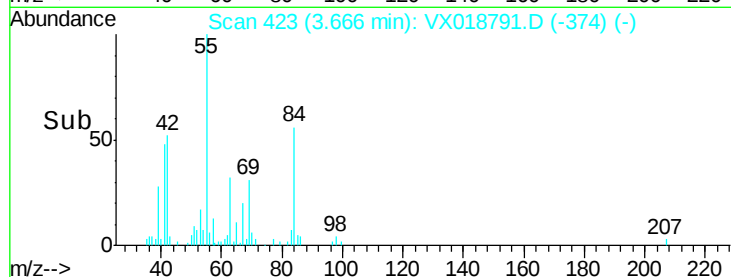
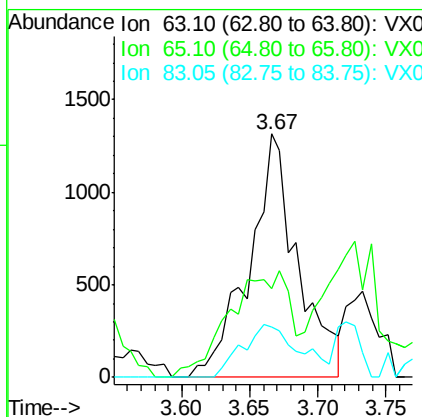
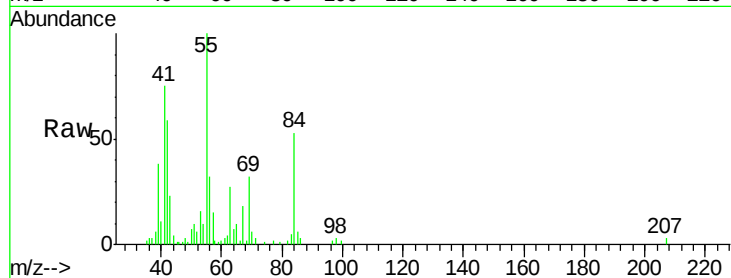




#19
 1,1-Dichloroethane
 Concen: 0.268 ug/L
 RT: 3.67 min Scan# 423
 Delta R.T. 0.00 min
 Lab File: VX018791.D
 Acq: 06 Oct 2020 11:43

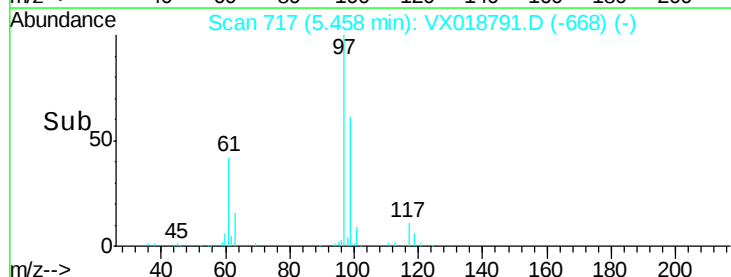
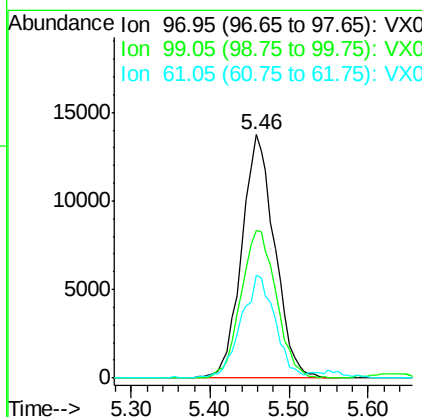
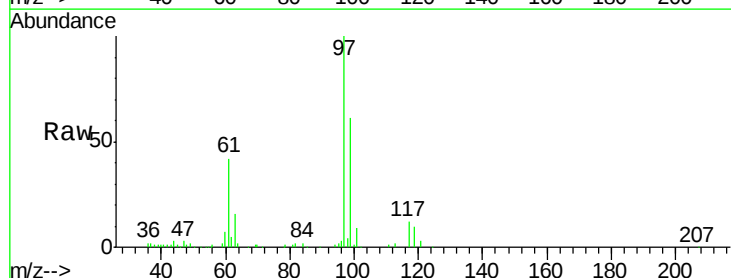
Instrument :
 MSVOA_X
 ClientSampled :
 BG3Q7

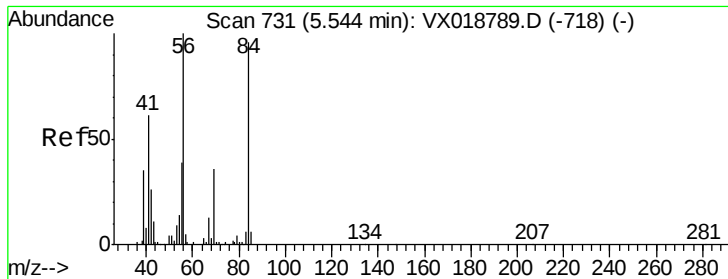
Tot Ion: 63 Resp: 3289
 Ion Ratio Lower Upper
 63 100
 65 36.6 21.6 40.2
 83 20.4 8.7 16.1#



#29
 1,1,1-Trichloroethane
 Concen: 2.733 ug/L
 RT: 5.46 min Scan# 717
 Delta R.T. 0.00 min
 Lab File: VX018791.D
 Acq: 06 Oct 2020 11:43

Tgt Ion: 97 Resp: 39988
 Ion Ratio Lower Upper
 97 100
 99 64.6 51.3 76.9
 61 43.4 33.3 49.9

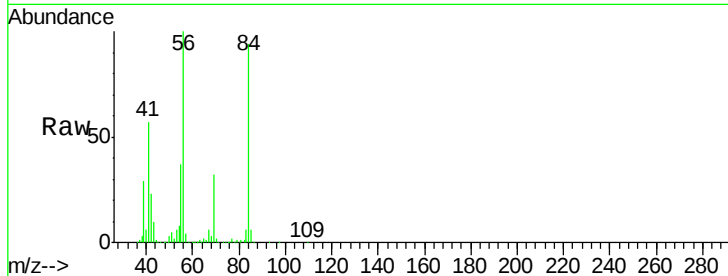




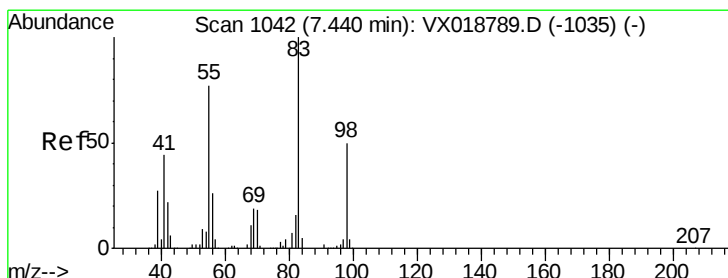
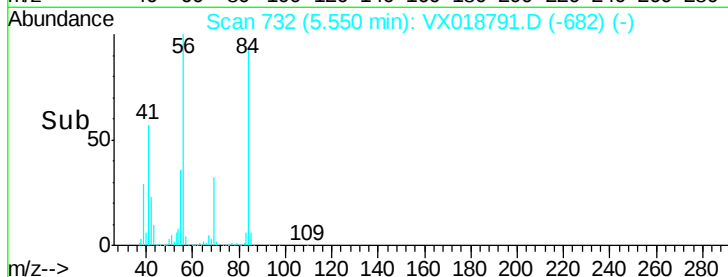
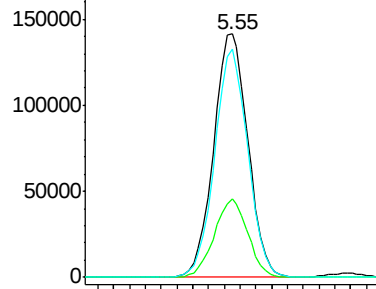
#30
Cyclohexane
Concen: 42.029 ug/L
RT: 5.55 min Scan# 732
Delta R.T. 0.01 min
Lab File: VX018791.D
Acq: 06 Oct 2020 11:43

Instrument :
MSVOA_X
ClientSampled :
BG3Q7

Tot Ion	56	Resp	426584
Ion	Ratio	Lower	Upper
56	100		
69	31.6	26.0	39.0
84	90.9	73.8	110.6

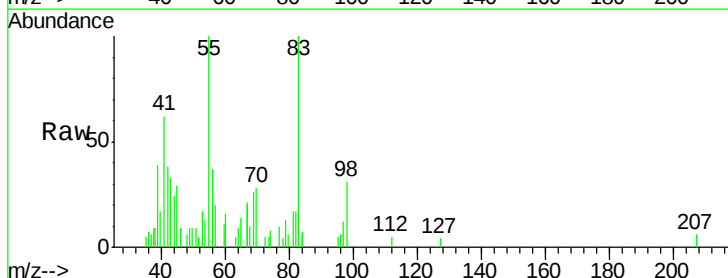


Abundance Ion 56.10 (55.80 to 56.80): VX0
Ion 69.15 (68.85 to 69.85): VX0
Ion 84.15 (83.85 to 84.85): VX0

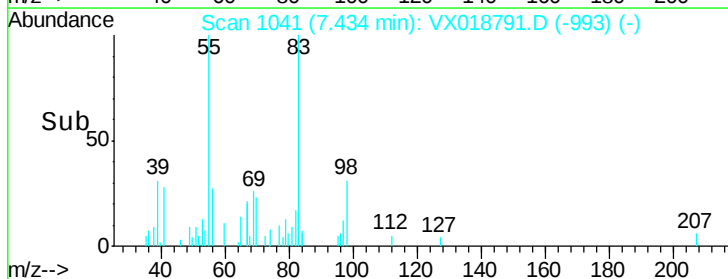
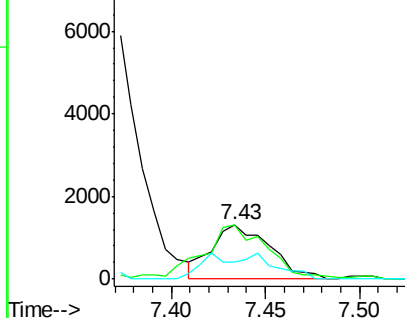


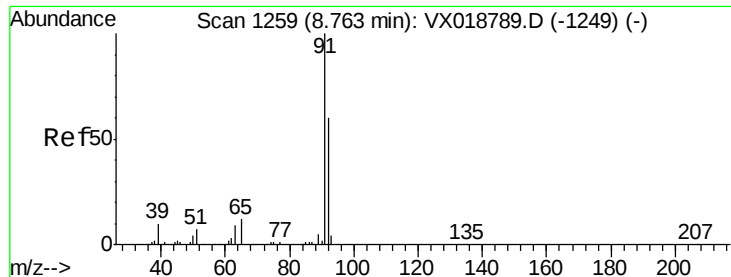
#35
Methylcyclohexane
Concen: 0.260 ug/L
RT: 7.43 min Scan# 1041
Delta R.T. -0.01 min
Lab File: VX018791.D
Acq: 06 Oct 2020 11:43

Tgt Ion	83	Resp	2823
Ion	Ratio	Lower	Upper
83	100		
55	101.7	60.3	90.5#
98	27.5	39.4	59.0#



Abundance Ion 83.15 (82.85 to 83.85): VX0
Ion 55.10 (54.80 to 55.80): VX0
Ion 98.15 (97.85 to 98.85): VX0





#42

Toluene

Concen: 61.344 ug/L

RT: 8.76 min Scan# 1259

Delta R.T. 0.00 min

Lab File: VX018791.D

Acq: 06 Oct 2020 11:43

Instrument :

MSVOA_X

ClientSampleId :

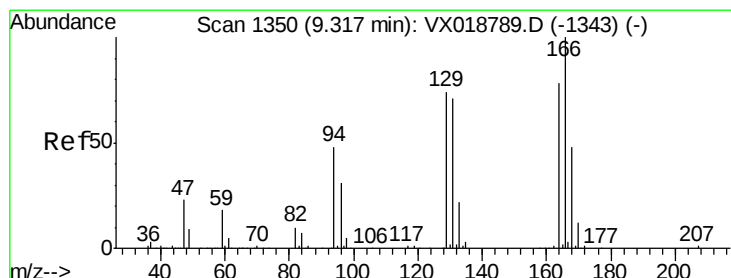
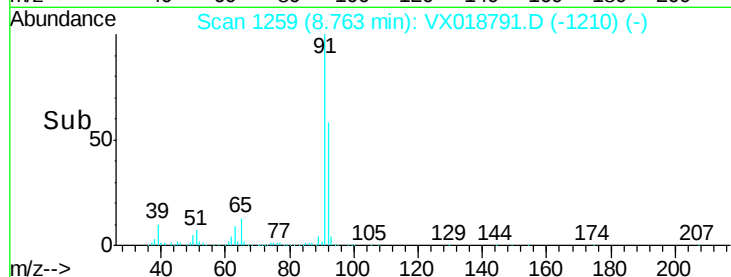
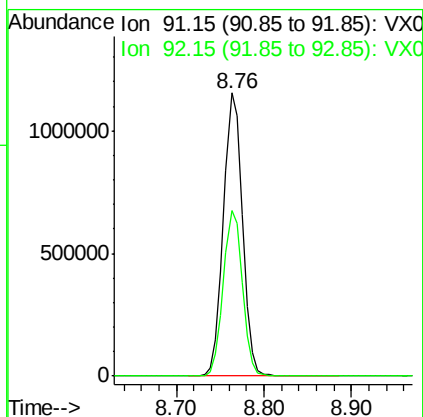
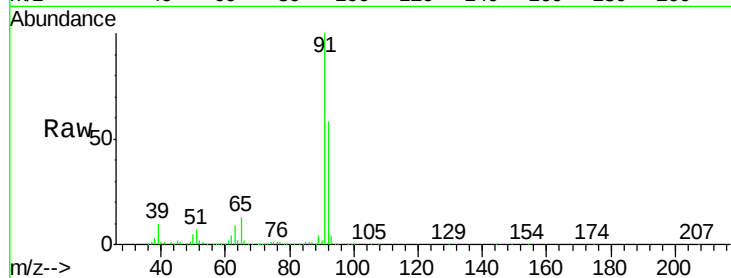
BG3Q7

Tot Ion: 91 Resp: 1738856

Ion Ratio Lower Upper

91 100

92 58.5 40.3 74.9



#49

Tetrachloroethene

Concen: 0.275 ug/L

RT: 9.32 min Scan# 1351

Delta R.T. 0.01 min

Lab File: VX018791.D

Acq: 06 Oct 2020 11:43

Tgt Ion:164 Resp: 1838

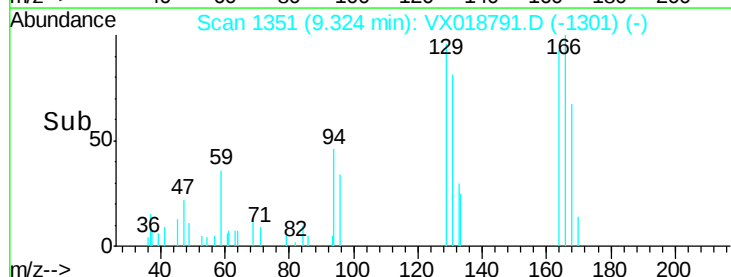
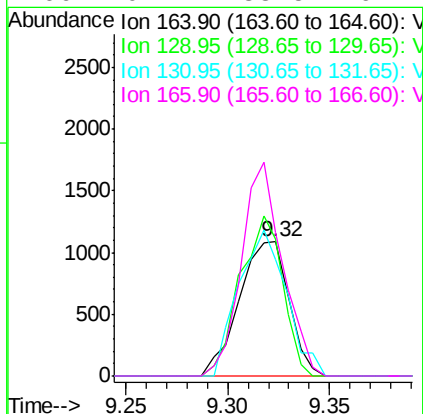
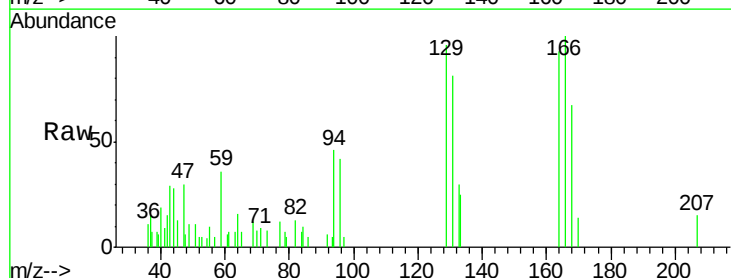
Ion Ratio Lower Upper

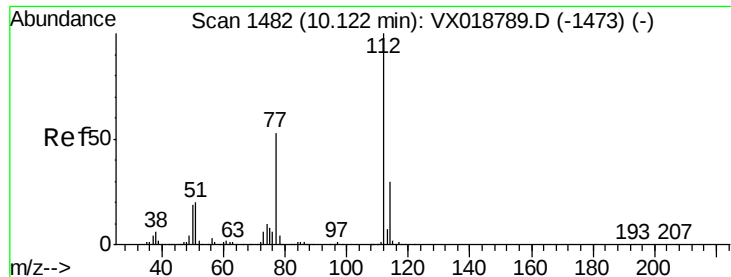
164 100

129 102.7 68.7 127.5

131 87.4 65.3 121.3

166 107.4 88.5 164.4





#53

Chlorobenzene

Concen: 2.106 ug/L

RT: 10.12 min Scan# 1482

Delta R.T. 0.00 min

Lab File: VX018791.D

Acq: 06 Oct 2020 11:43

Instrument :

MSVOA_X

ClientSampleId :

BG3Q7

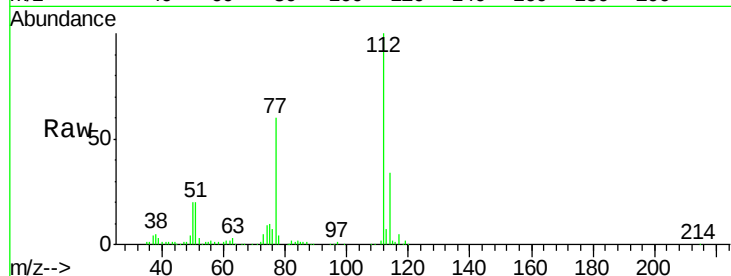
Tot Ion:112 Resp: 40841

Ion Ratio Lower Upper

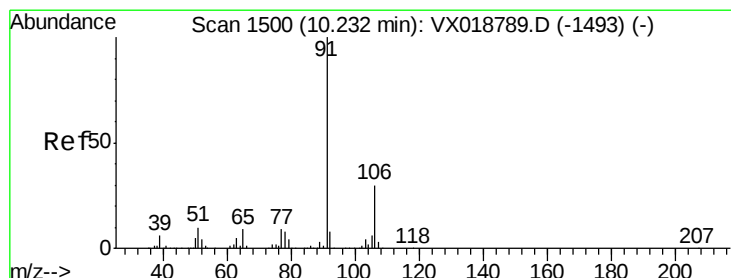
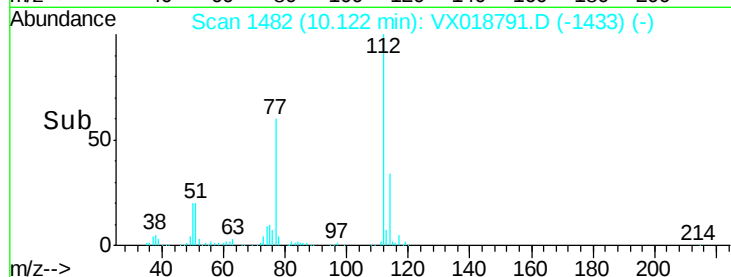
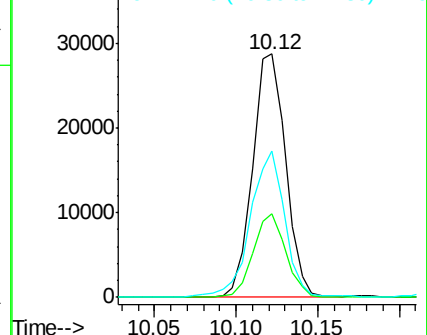
112 100

114 34.3 21.3 39.5

77 59.8 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: 5.891 ug/L

RT: 10.23 min Scan# 1500

Delta R.T. 0.00 min

Lab File: VX018791.D

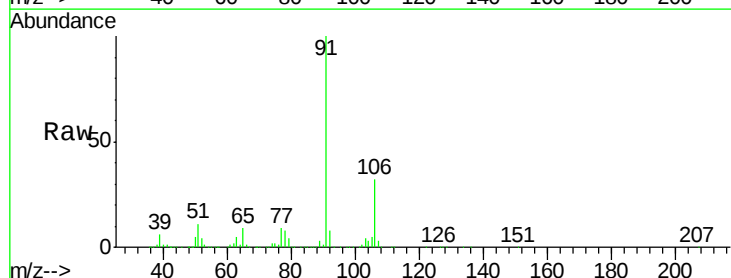
Acq: 06 Oct 2020 11:43

Tgt Ion: 91 Resp: 187203

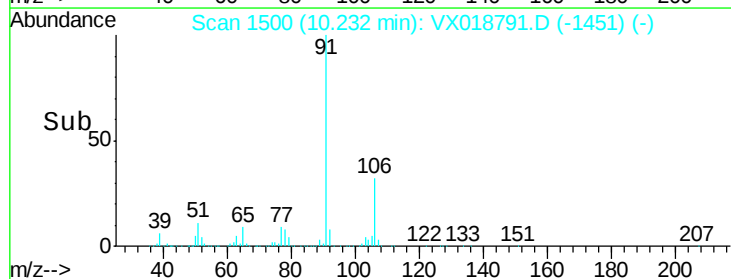
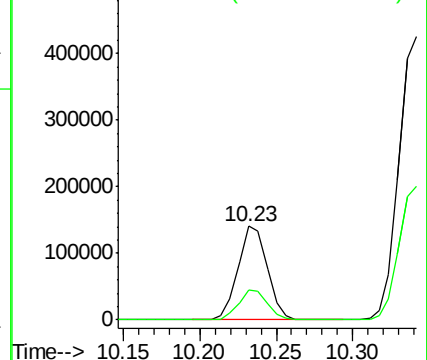
Ion Ratio Lower Upper

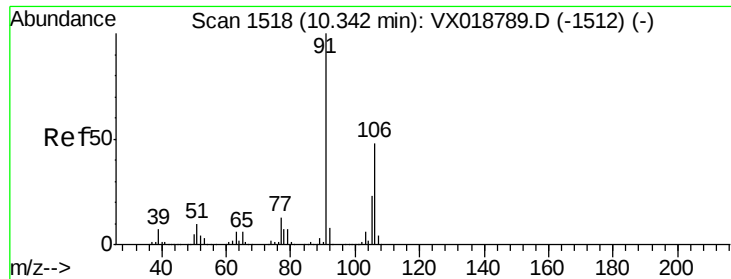
91 100

106 32.5 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: 21.582 ug/L

RT: 10.34 min Scan# 1518

Delta R.T. 0.00 min

Lab File: VX018791.D

Acq: 06 Oct 2020 11:43

Instrument :

MSVOA_X

ClientSampled :

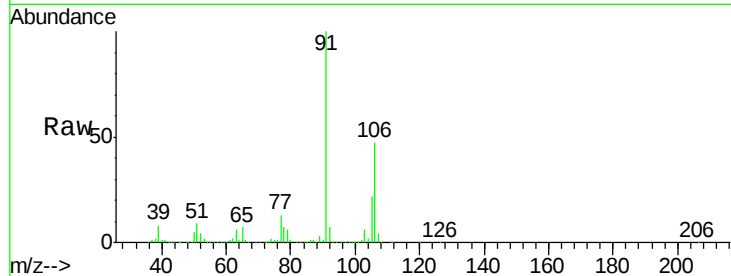
BG3Q7

Tot Ion:106 Resp: 267493

Ion Ratio Lower Upper

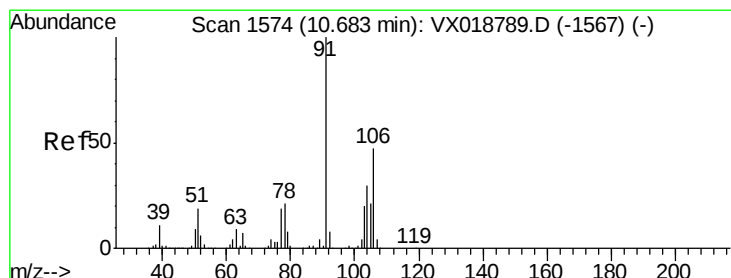
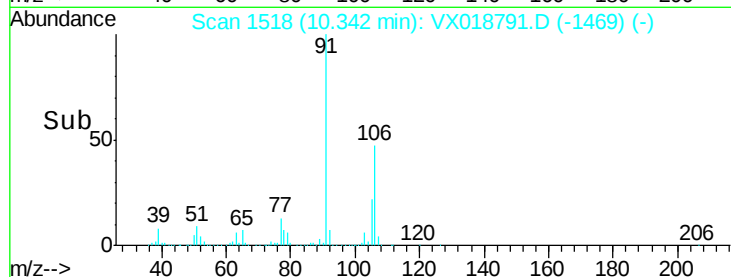
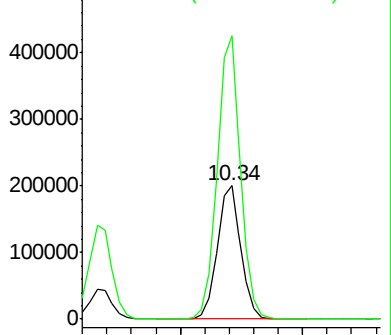
106 100

91 212.2 143.4 266.2



Abundance Ion 106.15 (105.85 to 106.85): V

Ion 91.15 (90.85 to 91.85): VX0



#56

o-xylene

Concen: 8.148 ug/L

RT: 10.68 min Scan# 1574

Delta R.T. 0.00 min

Lab File: VX018791.D

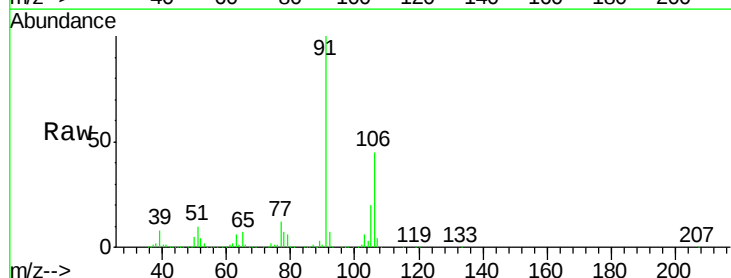
Acq: 06 Oct 2020 11:43

Tgt Ion:106 Resp: 93330

Ion Ratio Lower Upper

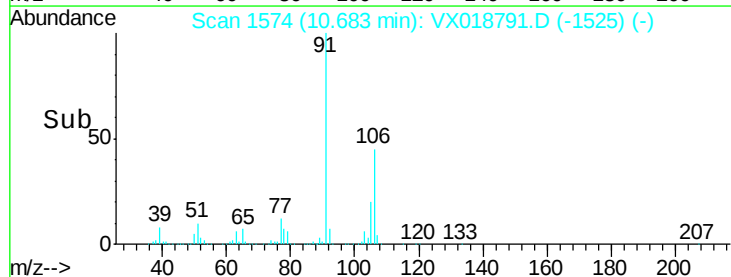
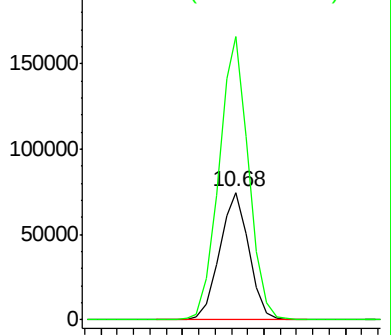
106 100

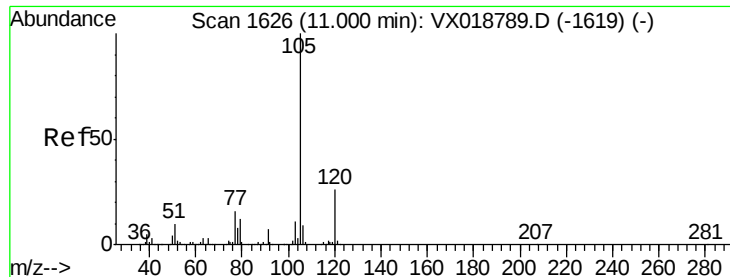
91 221.5 153.4 284.8



Abundance Ion 106.15 (105.85 to 106.85): V

Ion 91.15 (90.85 to 91.85): VX0





#58

Isopropylbenzene

Concen: 2.420 ug/L

RT: 11.00 min Scan# 1626

Delta R.T. 0.00 min

Lab File: VX018791.D

Acq: 06 Oct 2020 11:43

Instrument :

MSVOA_X

ClientSampleId :

BG3Q7

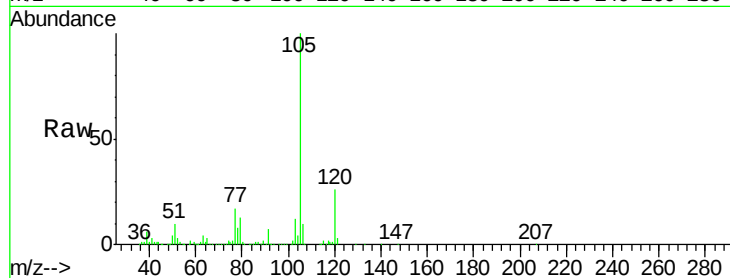
Tot Ion:105 Resp: 77613

Ion Ratio Lower Upper

105 100

120 27.5 20.2 30.2

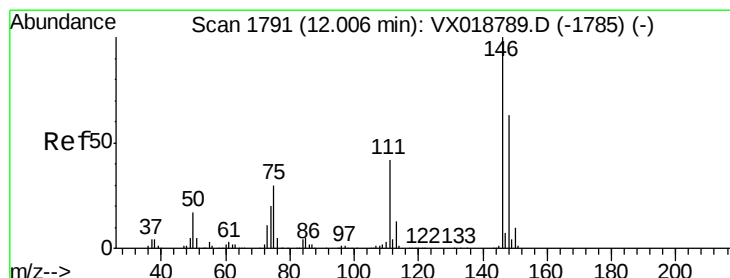
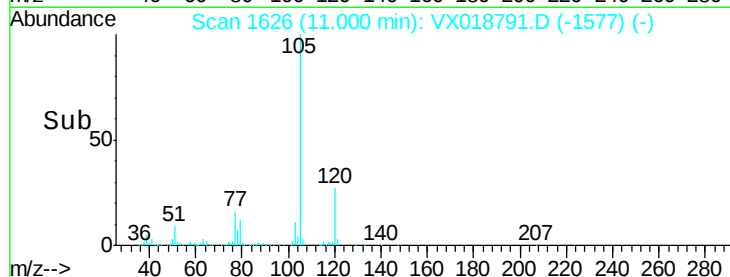
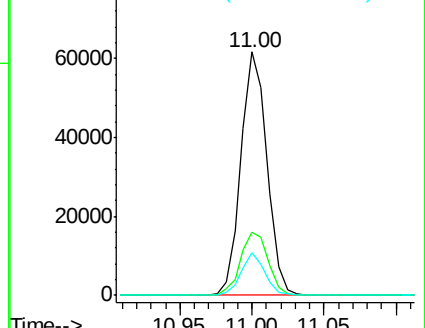
77 16.2 13.3 19.9



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): V



#63

1,3-Dichlorobenzene

Concen: 2.800 ug/L

RT: 12.01 min Scan# 1791

Delta R.T. 0.00 min

Lab File: VX018791.D

Acq: 06 Oct 2020 11:43

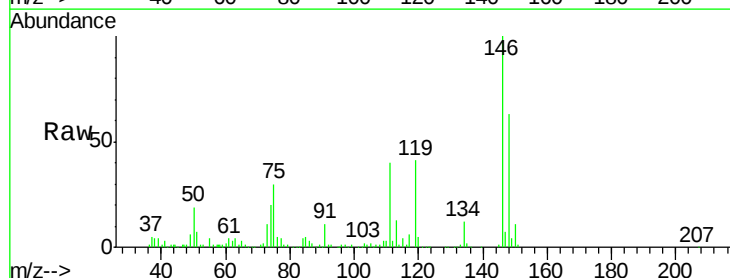
Tgt Ion:146 Resp: 45530

Ion Ratio Lower Upper

146 100

111 40.4 28.4 52.8

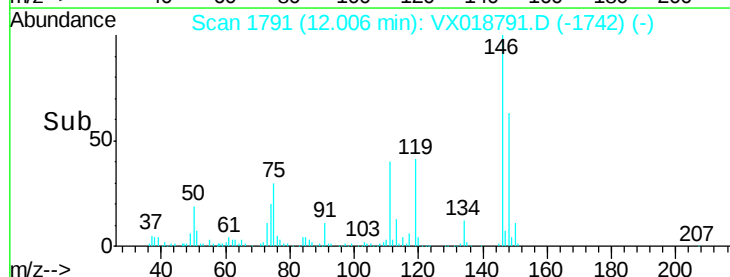
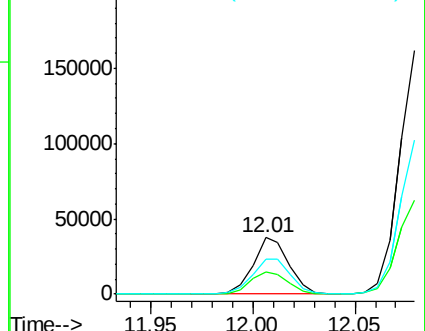
148 62.6 45.9 85.3

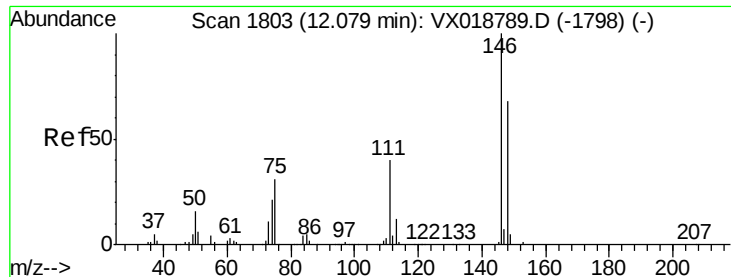


Abundance Ion 145.95 (145.65 to 146.65): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V





#64

1,4-Dichlorobenzene

Concen: 12.160 ug/L

RT: 12.08 min Scan# 1803

Delta R.T. 0.00 min

Lab File: VX018791.D

Acq: 06 Oct 2020 11:43

Instrument :

MSVOA_X

ClientSampleId :

BG3Q7

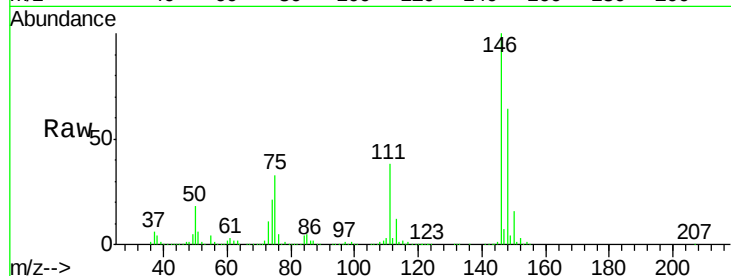
Tot Ion:146 Resp: 197163

Ion Ratio Lower Upper

146 100

111 38.5 28.6 53.2

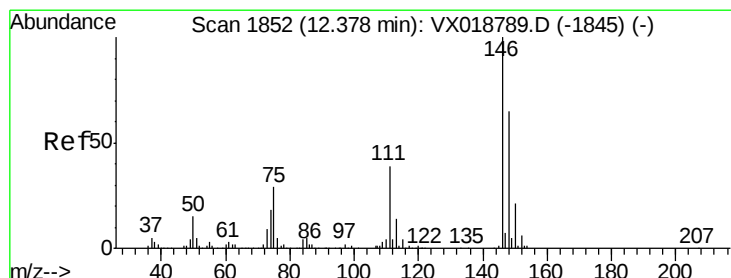
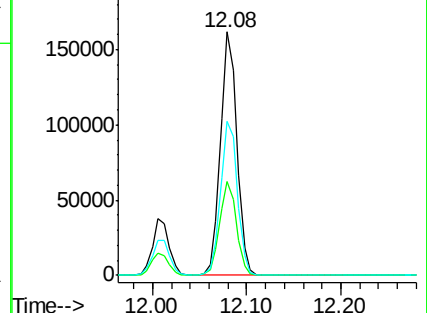
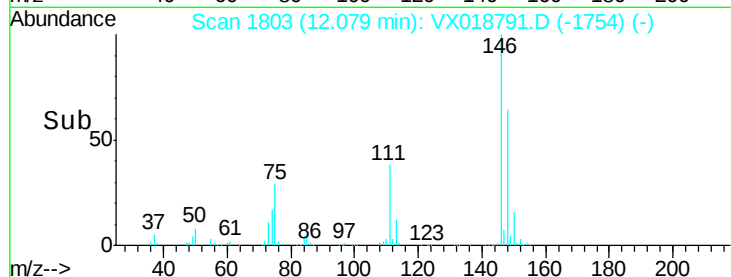
148 63.5 44.2 82.0



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



#66

1,2-Dichlorobenzene

Concen: 3.538 ug/L

RT: 12.37 min Scan# 1851

Delta R.T. -0.01 min

Lab File: VX018791.D

Acq: 06 Oct 2020 11:43

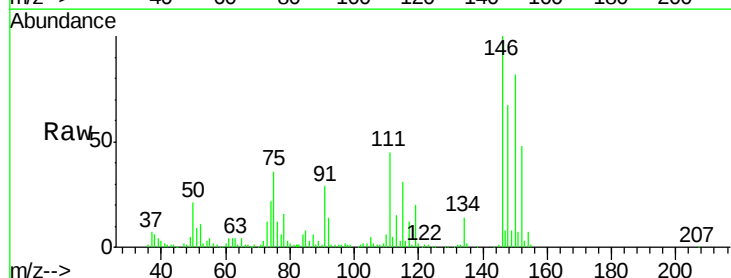
Tgt Ion:146 Resp: 53714

Ion Ratio Lower Upper

146 100

111 44.7 31.7 47.5

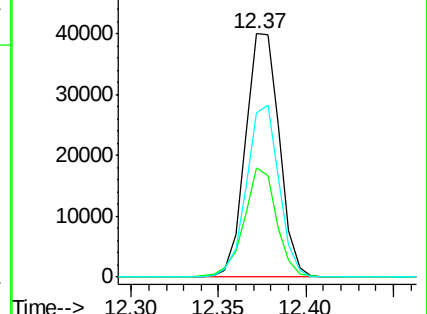
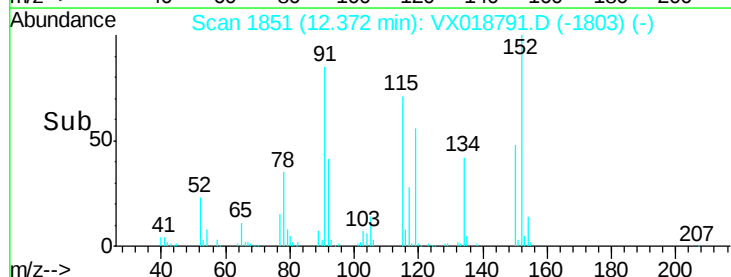
148 67.3 49.0 73.6

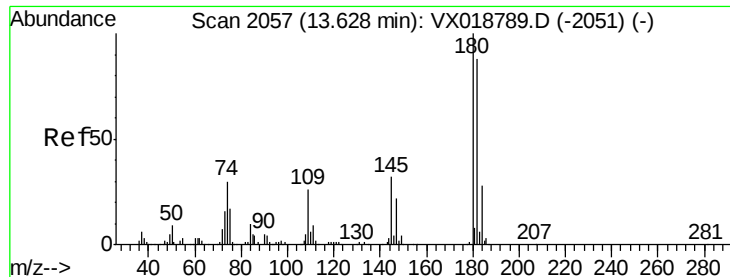


Abundance Ion 145.95 (145.65 to 146.65): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V

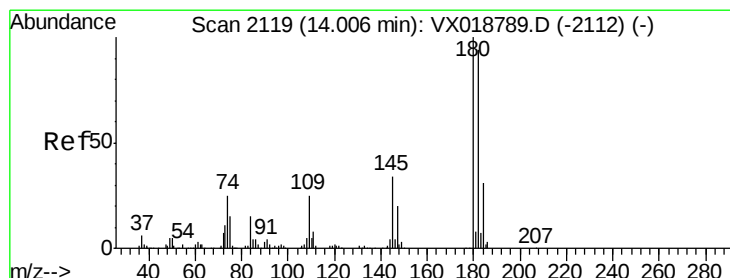
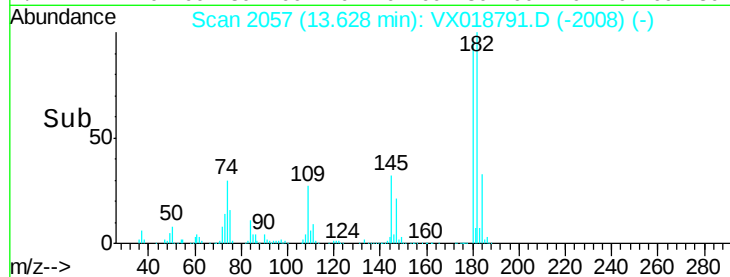
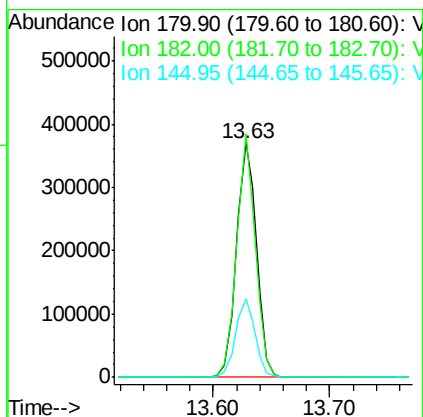
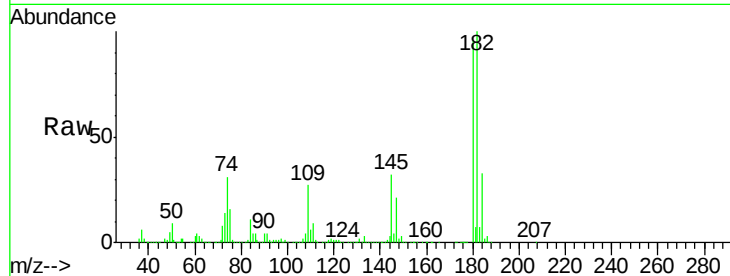




#69
 1,2,4-trichlorobenzene
 Concen: 42.866 ug/L
 RT: 13.63 min Scan# 2057
 Delta R.T. 0.00 min
 Lab File: VX018791.D
 Acq: 06 Oct 2020 11:43

Instrument :
 MSVOA_X
 ClientSampleId :
 BG3Q7

Tot Ion	Ratio	Lower	Upper
180	100		
182	96.6	80.2	120.4
145	32.9	25.2	37.8



#71
 1,2,3-Trichlorobenzene
 Concen: 16.564 ug/L
 RT: 14.00 min Scan# 2118
 Delta R.T. -0.01 min
 Lab File: VX018791.D
 Acq: 06 Oct 2020 11:43

Tgt Ion	Ratio	Lower	Upper
180	100		
182	92.3	73.6	110.4
145	34.6	26.6	40.0

