

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX100520\
 Data File : VX018773.D
 Acq On : 05 Oct 2020 18:20
 Operator : JC/SP
 Sample : L4239-04DL 100X
 Misc : 25.0mL/MSVOA X/WATER
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 BG3N3DL

Quant Time: Oct 06 04:27:36 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\SOMXTR100220WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Tue Oct 06 01:36:50 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.83	114	140379	5.00	ug/L	0.00
28) Chlorobenzene-d5	10.10	117	135283	5.00	ug/L	0.00
61) 1,4-Dichlorobenzene-d4	12.06	152	67937	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.39	65	43644	5.32	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	106.40%
7) Chloroethane-d5	1.70	69	36397	5.67	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	113.40%
11) 1,1-Dichloroethene-d2	2.34	63	75127	4.06	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	81.20%
20) 2-Butanone-d5	4.55	46	144769	67.31	ug/L	-0.01
Spiked Amount	50.000	Range	40 - 130	Recovery	=	134.62%#
24) Chloroform-d	5.14	84	104347	5.26	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	105.20%
26) 1,2-Dichloroethane-d4	6.03	65	59019	4.87	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	97.40%
32) Benzene-d6	6.04	84	199901	5.95	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	119.00%
36) 1,2-Dichloropropane-d6	7.37	67	59673	6.14	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	122.80%
41) Toluene-d8	8.70	98	177932	5.37	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	107.40%
45) trans-1,3-Dichloropropene-	8.99	79	26626	5.09	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	101.80%
48) 2-Hexanone-d5	9.43	63	115963	66.17	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	132.34%#
59) 1,1,2,2-Tetrachloroethane-	11.23	84	46432	5.87	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	117.40%
65) 1,2-Dichlorobenzene-d4	12.36	152	74714	5.96	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	119.20%

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
12) 1,1-Dichloroethene	2.36	96	7004	1.002	ug/L #	1
13) Acetone	2.45	43	1859	1.583	ug/L	72
16) Methylene chloride	2.84	84	3206	0.378	ug/L	88
18) trans-1,2-Dichloroethene	3.15	96	1056	0.141	ug/L #	67
19) 1,1-Dichloroethane	3.67	63	10450	0.785	ug/L	93
22) cis-1,2-Dichloroethene	4.56	96	351383	45.505	ug/L #	98
29) 1,1,1-Trichloroethane	5.46	97	1243029	77.671	ug/L	100
30) Cyclohexane	5.55	56	12746	1.148	ug/L	92
33) Benzene	6.10	78	3276	0.116	ug/L	100
42) Toluene	8.77	91	5811583	187.475	ug/L	97
53) Chlorobenzene	10.12	112	4235	0.200	ug/L	90
54) Ethylbenzene	10.23	91	39048	1.124	ug/L	99
55) m,p-xylene	10.34	106	52977	3.908	ug/L	98
56) o-xylene	10.68	106	33415	2.668	ug/L	94
58) Isopropylbenzene	11.00	105	6049	0.172	ug/L #	96
64) 1,4-Dichlorobenzene	12.09	146	1588	0.096	ug/L #	81
66) 1,2-Dichlorobenzene	12.37	146	2440	0.158	ug/L #	82

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX100520\
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Misc : 25.0mL/MSVOA X/WATER
ALS Vial : 14 Sample Multiplier: 1

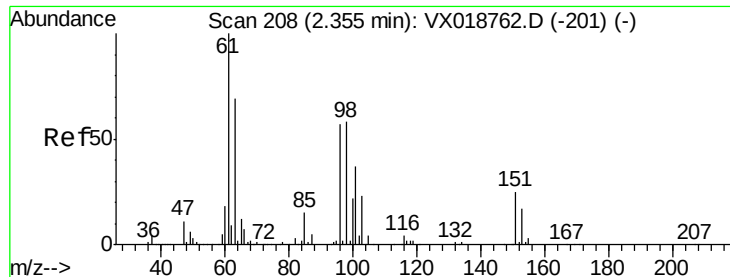
Instrument :
MSVOA_X
ClientSampleId :
BG3N3DL

Quant Time: Oct 06 04:27:36 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\SOMXTR100220WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Tue Oct 06 01:36:50 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
69) 1,2,4-trichlorobenzene	13.63	180	1926	0.183	ug/L	100
71) 1,2,3-Trichlorobenzene	14.00	180	1001	0.105	ug/L	95

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

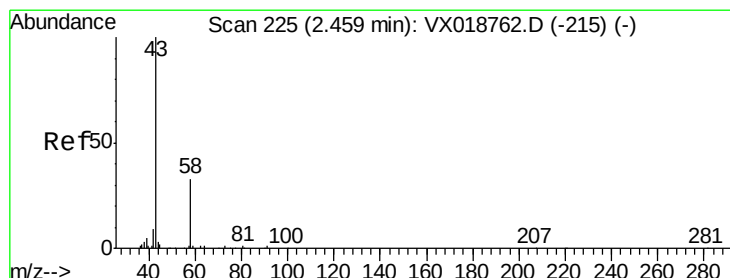
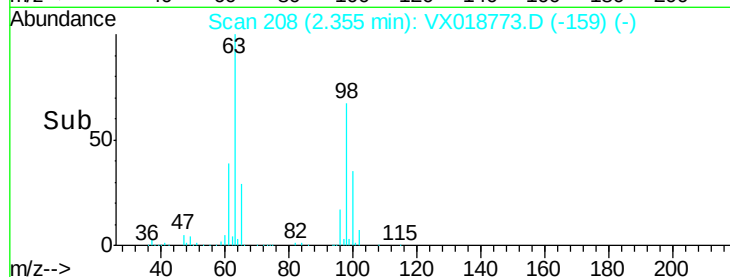
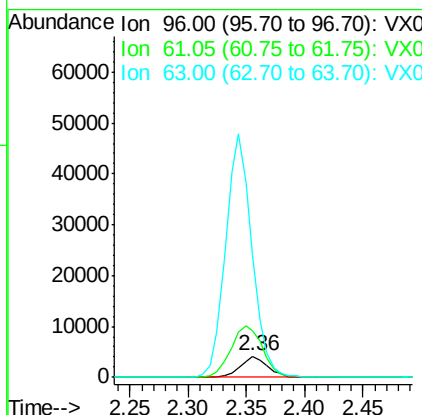
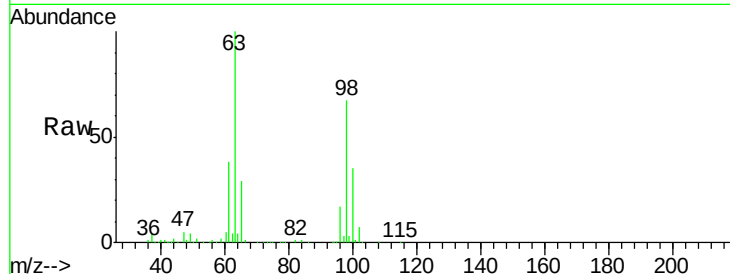
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA X\DATA\VX100520\
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Misc : 25.0mL/MSVOA X/WATER
ALS Vial : 14 Sample Multiplier: 1



#12
 1,1-Dichloroethene
 Concen: 1.002 ug/L
 RT: 2.36 min Scan# 208
 Delta R.T. 0.00 min
 Lab File: VX018773.D
 Acq: 05 Oct 2020 18:20

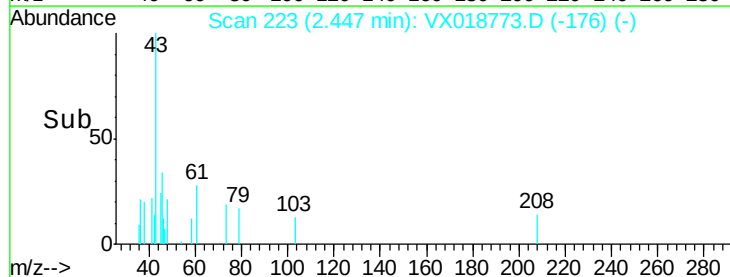
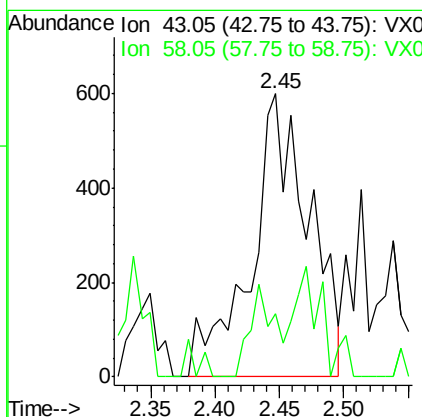
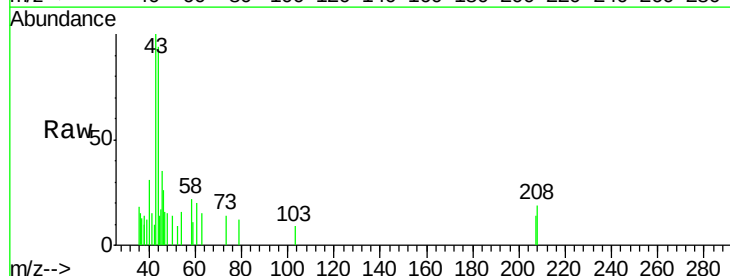
Instrument :
 MSVOA_X
 ClientSampleId :
 BG3N3DL

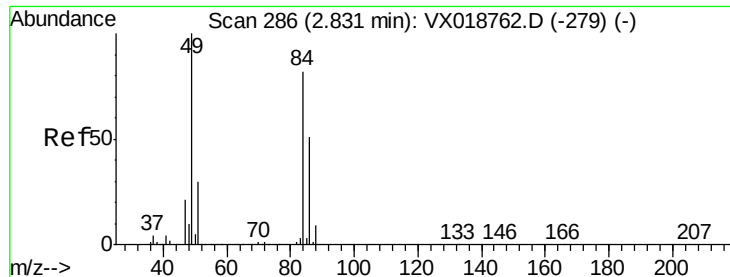
Tot Ion: 96 Resp: 7004
 Ion Ratio Lower Upper
 96 100
 61 222.5 133.2 247.4
 63 578.2 115.1 213.7#



#13
 Acetone
 Concen: 1.583 ug/L
 RT: 2.45 min Scan# 223
 Delta R.T. -0.01 min
 Lab File: VX018773.D
 Acq: 05 Oct 2020 18:20

Tgt Ion: 43 Resp: 1859
 Ion Ratio Lower Upper
 43 100
 58 13.5 0.0 56.4

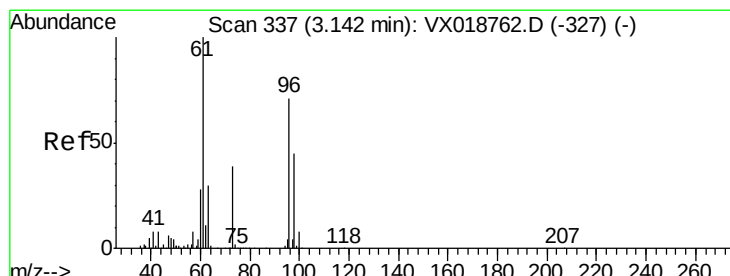
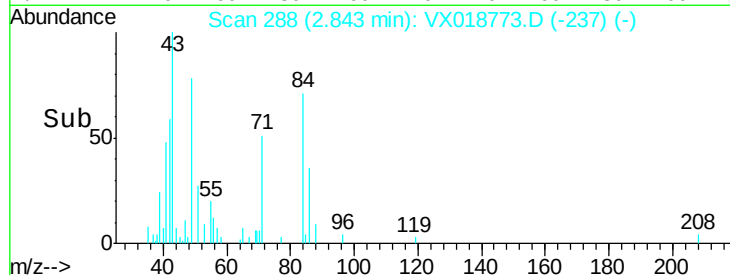
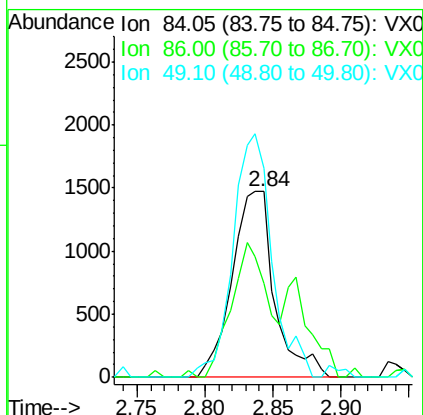
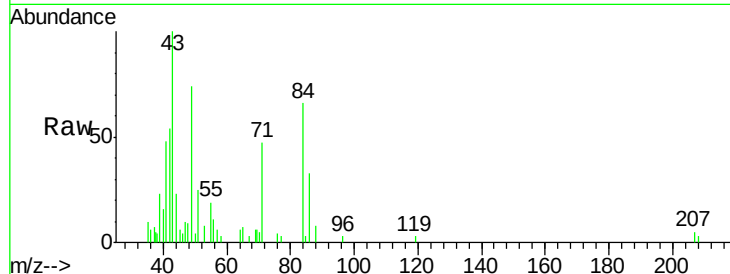




#16
Methylene chloride
Concen: 0.378 ug/L
RT: 2.84 min Scan# 288
Delta R.T. 0.01 min
Lab File: VX018773.D
Acq: 05 Oct 2020 18:20

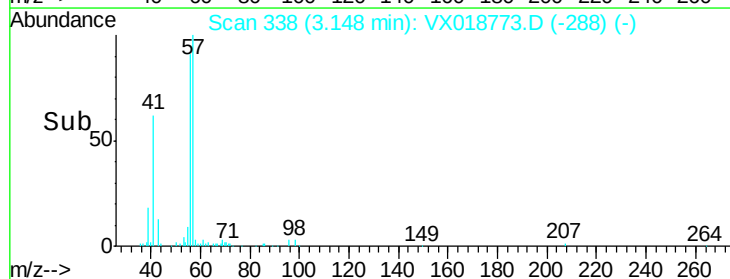
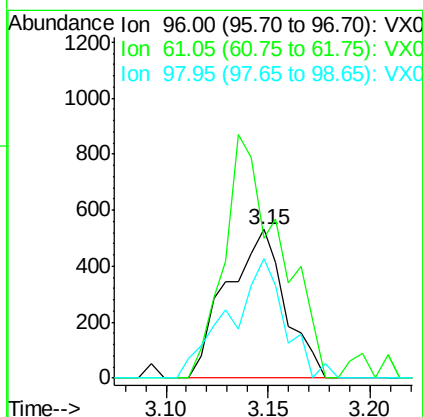
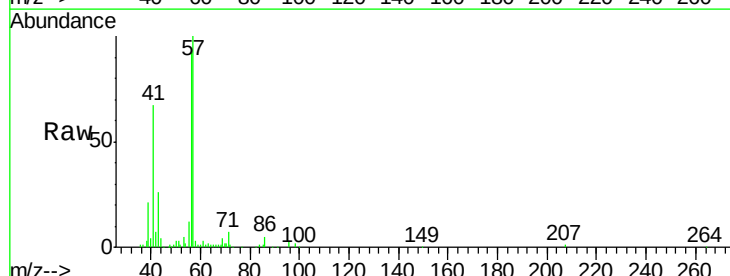
Instrument :
MSVOA_X
ClientSampled :
BG3N3DL

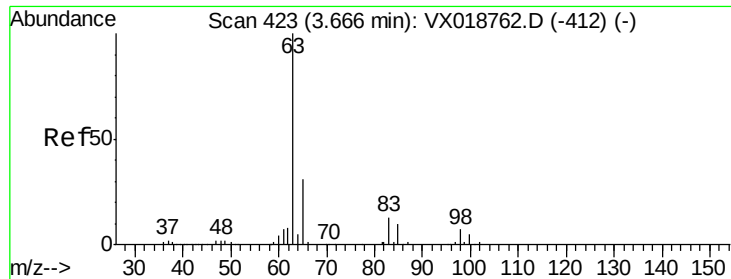
Tot Ion: 84 Resp: 3206
Ion Ratio Lower Upper
84 100
86 50.5 45.6 84.8
49 112.7 85.8 159.3



#18
trans-1,2-Dichloroethene
Concen: 0.141 ug/L
RT: 3.15 min Scan# 338
Delta R.T. 0.01 min
Lab File: VX018773.D
Acq: 05 Oct 2020 18:20

Tgt Ion: 96 Resp: 1056
Ion Ratio Lower Upper
96 100
61 94.2 97.6 181.4#
98 80.0 43.1 80.1

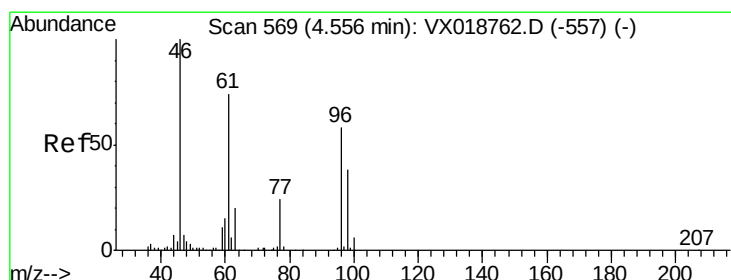
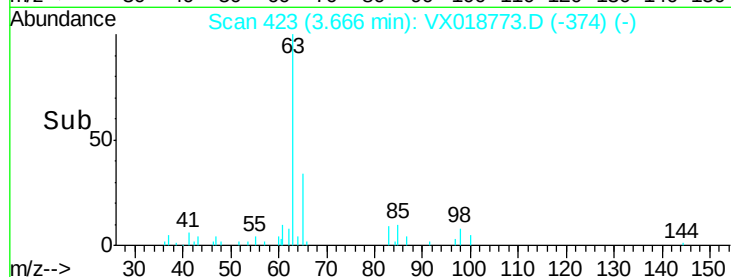
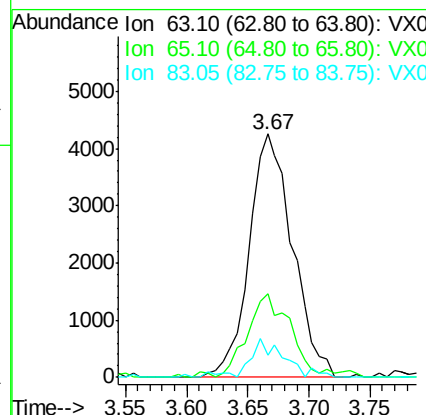
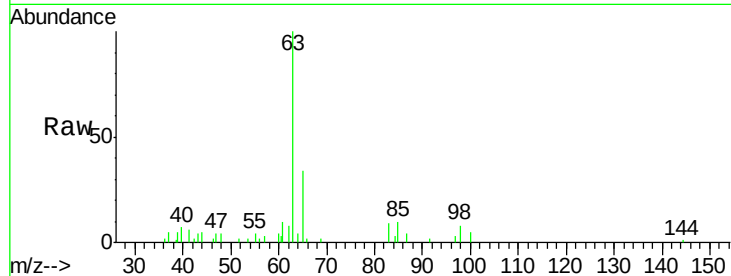




#19
 1,1-Dichloroethane
 Concen: 0.785 ug/L
 RT: 3.67 min Scan# 423
 Delta R.T. 0.00 min
 Lab File: VX018773.D
 Acq: 05 Oct 2020 18:20

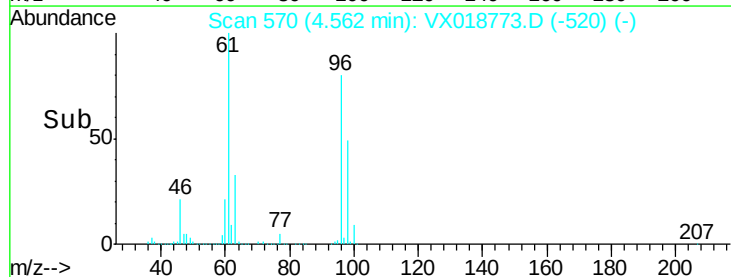
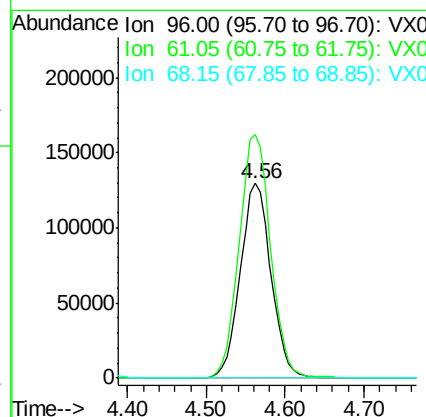
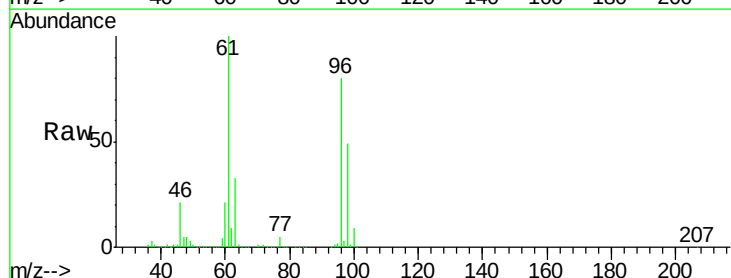
Instrument :
 MSVOA_X
 ClientSampled :
 BG3N3DL

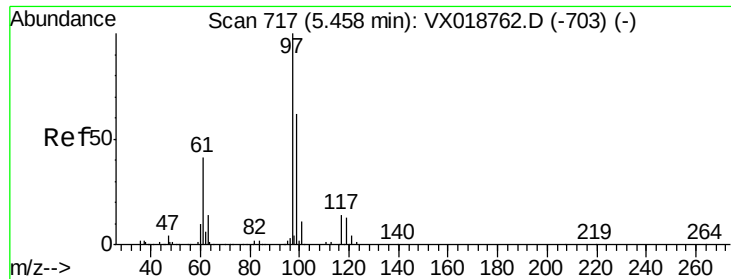
Tot Ion:	63	Resp:	10450
Ion	Ratio	Lower	Upper
63	100		
65	34.2	21.6	40.2
83	8.9	8.7	16.1



#22
 cis-1,2-Dichloroethene
 Concen: 45.505 ug/L
 RT: 4.56 min Scan# 570
 Delta R.T. 0.01 min
 Lab File: VX018773.D
 Acq: 05 Oct 2020 18:20

Tgt Ion:	96	Resp:	351383
Ion	Ratio	Lower	Upper
96	100		
61	125.3	86.2	160.0
68	0.0	0.3	0.7#



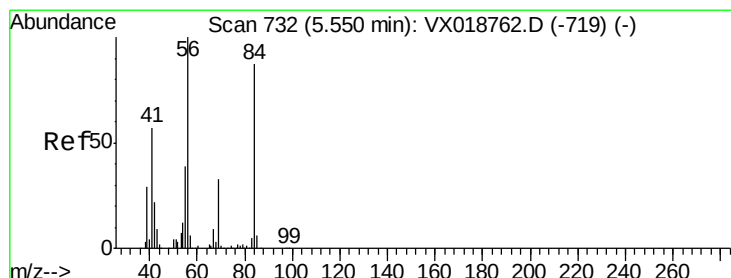
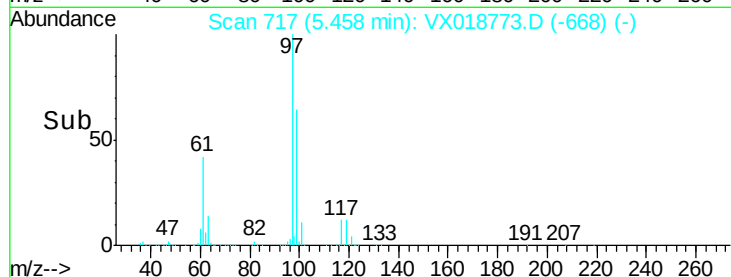
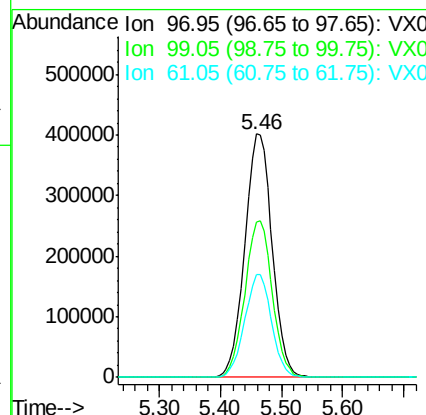
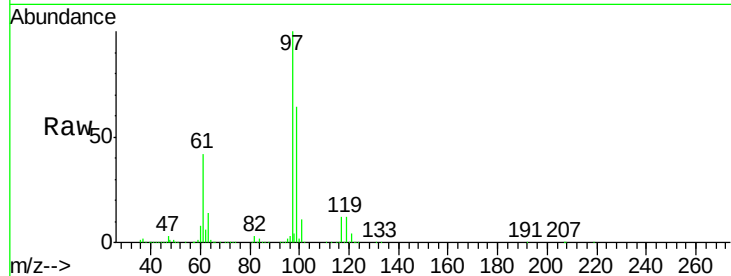


#29
 1,1,1-Trichloroethane
 Concen: 77.671 ug/L
 RT: 5.46 min Scan# 717
 Delta R.T. 0.00 min
 Lab File: VX018773.D
 Acq: 05 Oct 2020 18:20

Instrument :
 MSVOA_X
 ClientSampled :
 BG3N3DL

Tot Ion: 97 Resp: 1243029

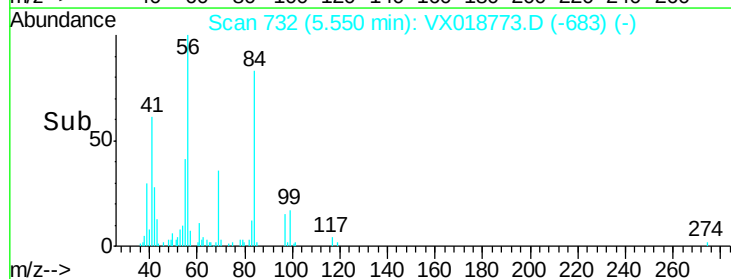
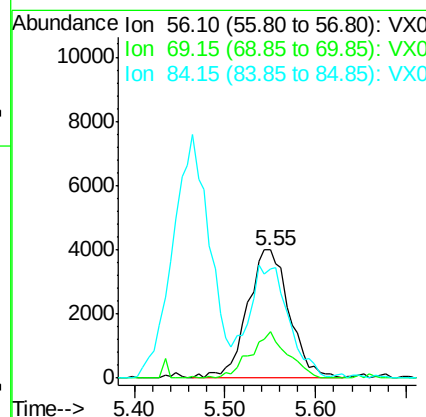
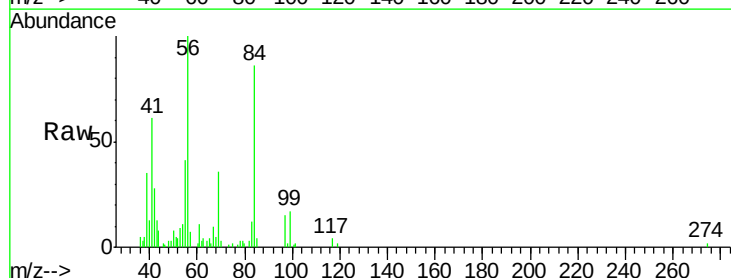
Ion	Ratio	Lower	Upper
97	100		
99	64.5	51.3	76.9
61	41.6	33.3	49.9

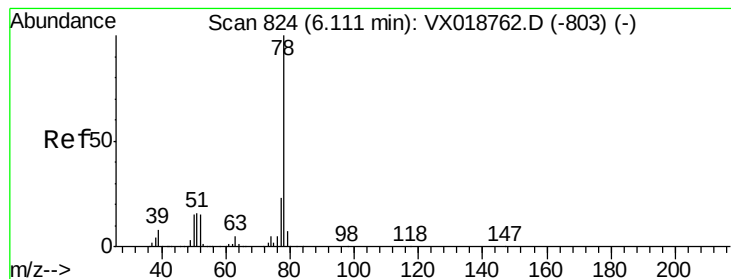


#30
 Cyclohexane
 Concen: 1.148 ug/L
 RT: 5.55 min Scan# 732
 Delta R.T. 0.00 min
 Lab File: VX018773.D
 Acq: 05 Oct 2020 18:20

Tgt Ion: 56 Resp: 12746

Ion	Ratio	Lower	Upper
56	100		
69	32.0	26.0	39.0
84	82.4	73.8	110.6





#33

Benzene

Concen: 0.116 ug/L

RT: 6.10 min Scan# 823

Delta R.T. -0.01 min

Lab File: VX018773.D

Acq: 05 Oct 2020 18:20

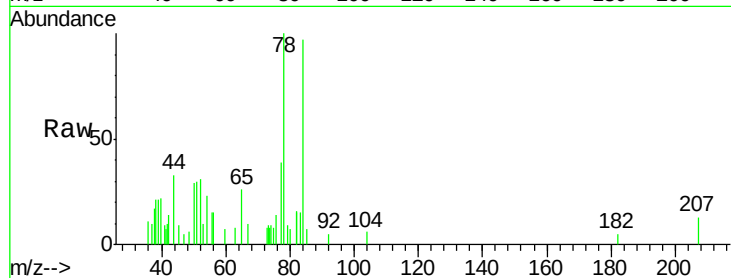
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MSVOA_X

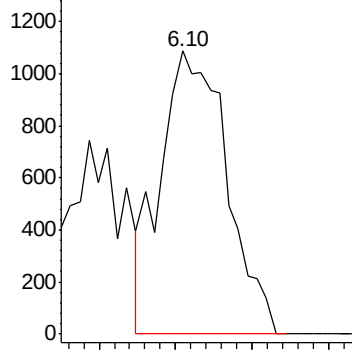
ClientSampleId :

BG3N3DL

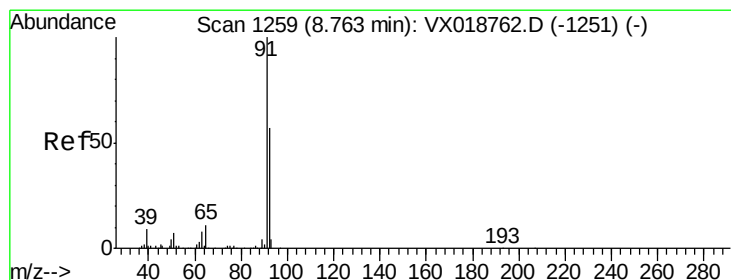
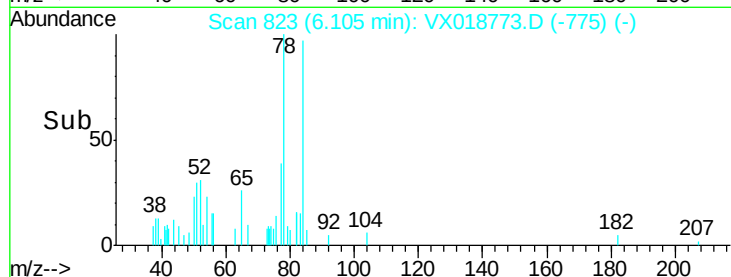
Tgt Ion: 78 Resp: 3276



Abundance Ion 78.10 (77.80 to 78.80): VX0



Time-->



#42

Toluene

Concen: 187.475 ug/L

RT: 8.77 min Scan# 1260

Delta R.T. 0.01 min

Lab File: VX018773.D

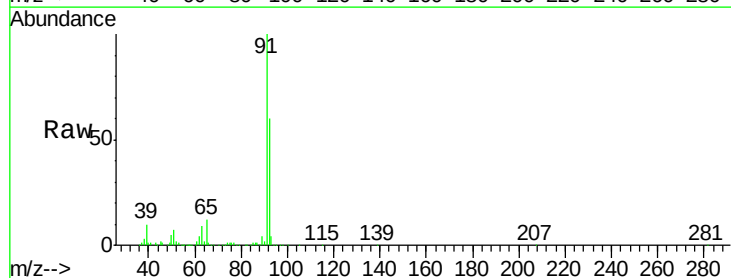
Acq: 05 Oct 2020 18:20

Tgt Ion: 91 Resp: 5811583

Ion Ratio Lower Upper

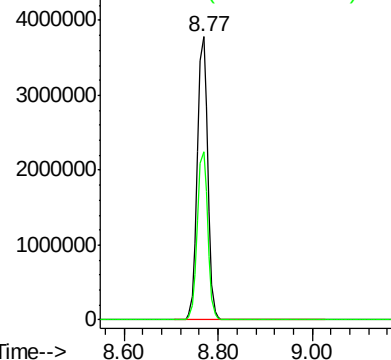
91 100

92 59.6 40.3 74.9

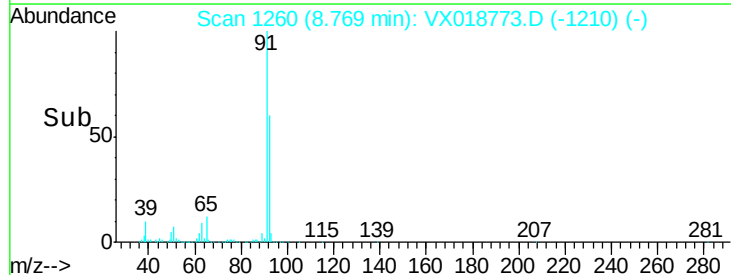


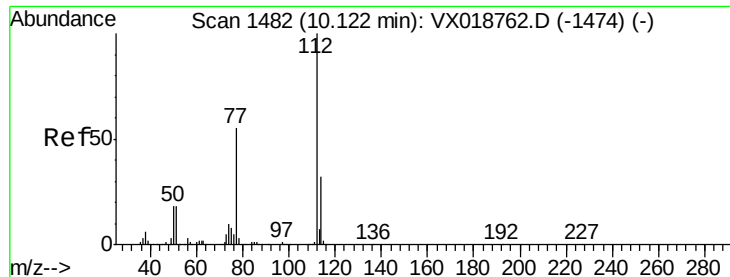
Abundance Ion 91.15 (90.85 to 91.85): VX0

Ion 92.15 (91.85 to 92.85): VX0



Time-->





#53

Chlorobenzene

Concen: 0.200 ug/L

RT: 10.12 min Scan# 1482

Delta R.T. 0.00 min

Lab File: VX018773.D

Acq: 05 Oct 2020 18:20

Instrument :

MSVOA_X

ClientSampleId :

BG3N3DL

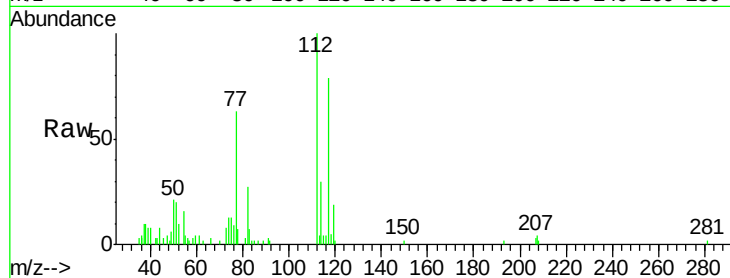
Tot Ion:112 Resp: 4235

Ion Ratio Lower Upper

112 100

114 30.2 21.3 39.5

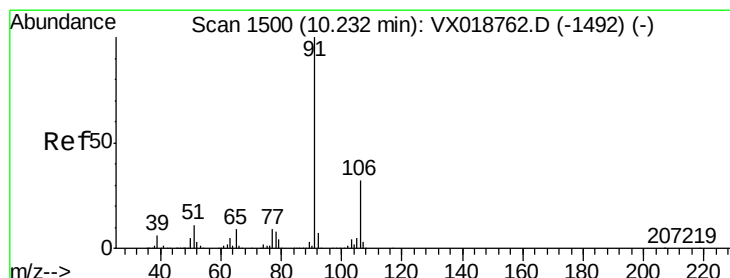
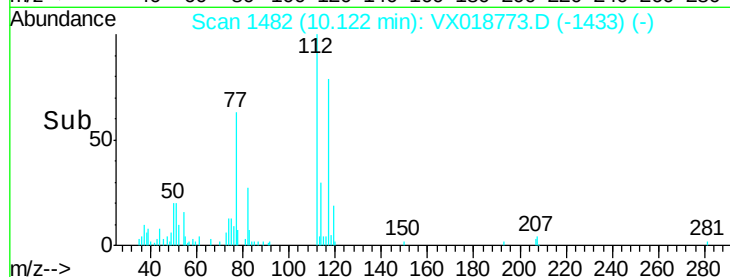
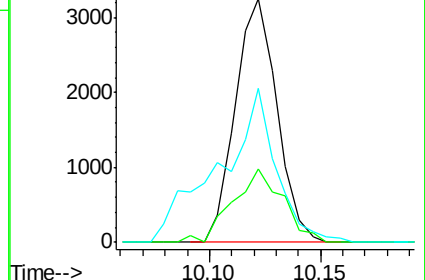
77 63.5 42.4 63.6



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: 1.124 ug/L

RT: 10.23 min Scan# 1500

Delta R.T. 0.00 min

Lab File: VX018773.D

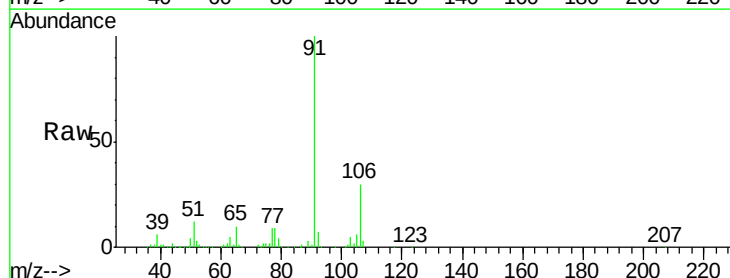
Acq: 05 Oct 2020 18:20

Tgt Ion: 91 Resp: 39048

Ion Ratio Lower Upper

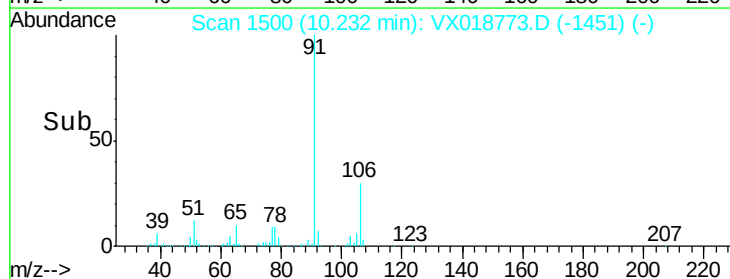
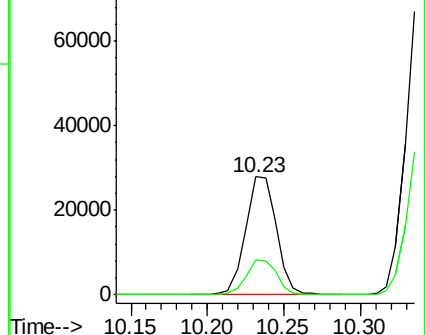
91 100

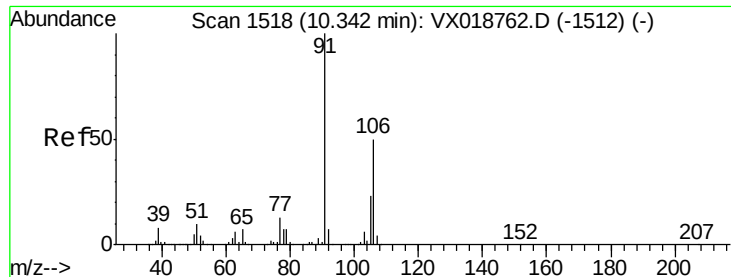
106 30.0 21.5 39.9



Abundance Ion 91.15 (90.85 to 91.85): VX0

Ion 106.15 (105.85 to 106.85): V





#55

m,p-xylene

Concen: 3.908 ug/L

RT: 10.34 min Scan# 1518

Delta R.T. 0.00 min

Lab File: VX018773.D

Acq: 05 Oct 2020 18:20

Instrument :

MSVOA_X

ClientSampled :

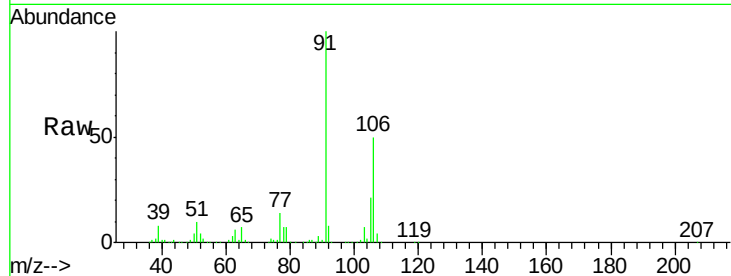
BG3N3DL

Tot Ion:106 Resp: 52977

Ion Ratio Lower Upper

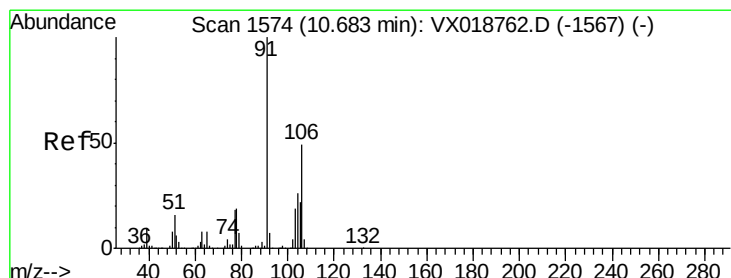
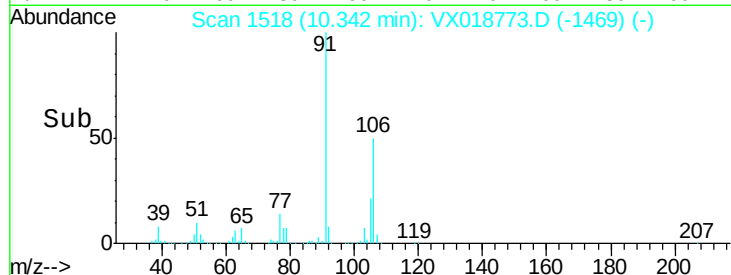
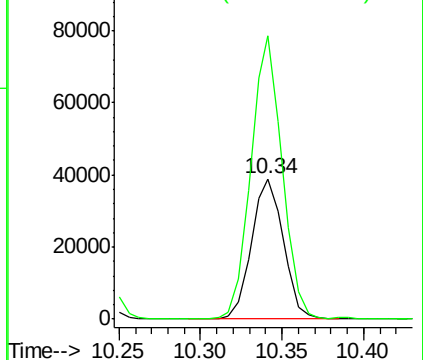
106 100

91 202.0 143.4 266.2



Abundance Ion 106.15 (105.85 to 106.85): V

Ion 91.15 (90.85 to 91.85): VX0



#56

o-xylene

Concen: 2.668 ug/L

RT: 10.68 min Scan# 1574

Delta R.T. 0.00 min

Lab File: VX018773.D

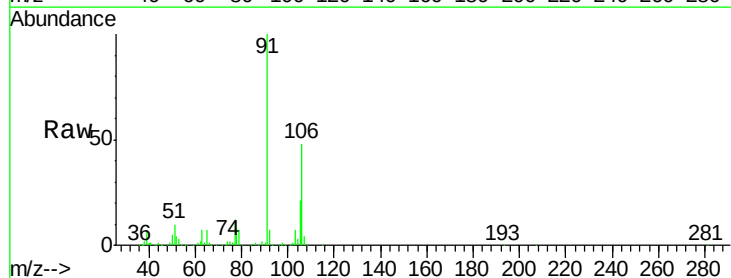
Acq: 05 Oct 2020 18:20

Tgt Ion:106 Resp: 33415

Ion Ratio Lower Upper

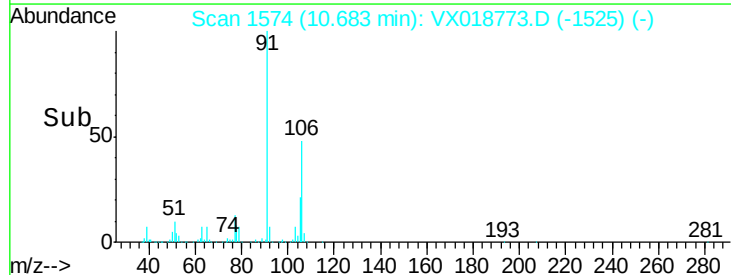
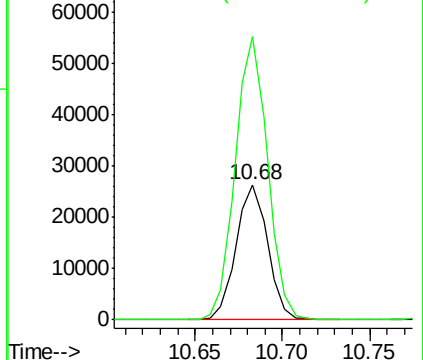
106 100

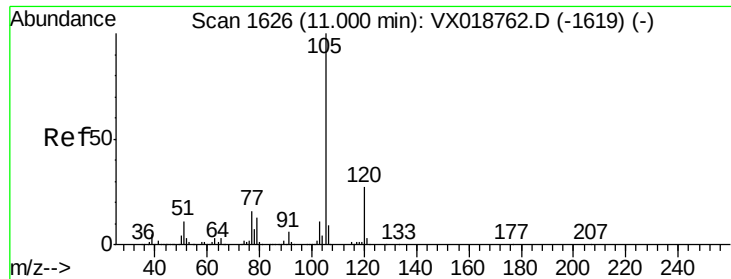
91 208.8 153.4 284.8



Abundance Ion 106.15 (105.85 to 106.85): V

Ion 91.15 (90.85 to 91.85): VX0





#58

Isopropylbenzene

Concen: 0.172 ug/L

RT: 11.00 min Scan# 1626

Delta R.T. 0.00 min

Lab File: VX018773.D

Acq: 05 Oct 2020 18:20

Instrument :

MSVOA_X

ClientSampleId :

BG3N3DL

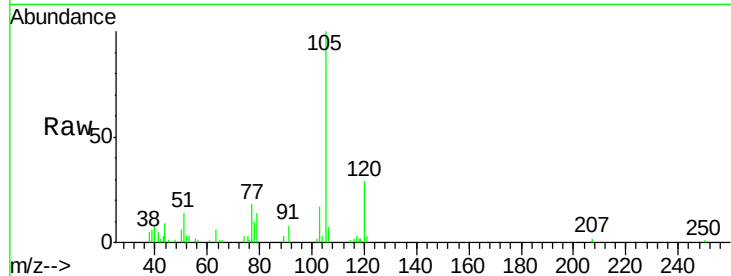
Tot Ion:105 Resp: 6049

Ion Ratio Lower Upper

105 100

120 26.0 20.2 30.2

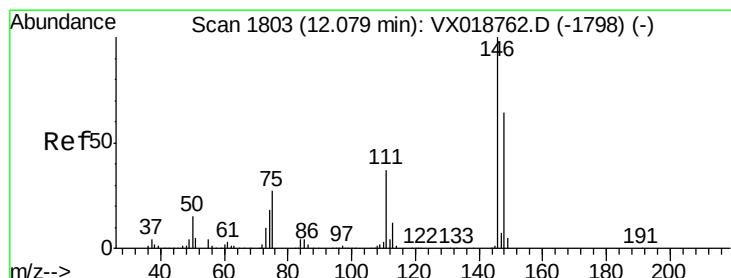
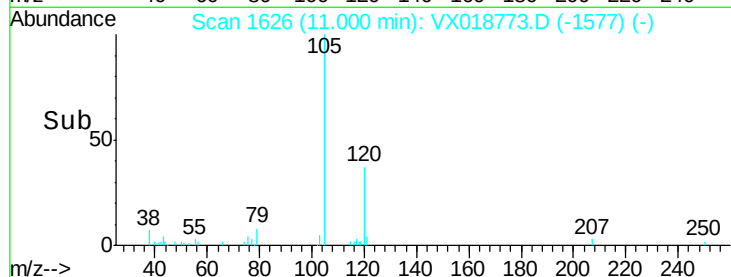
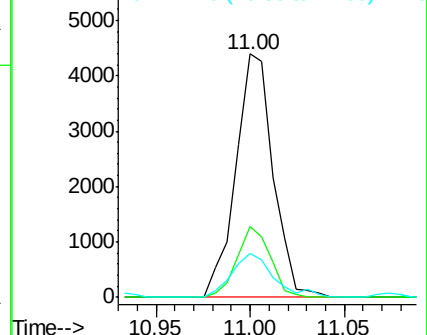
77 20.1 13.3 19.9#



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



#64

1,4-Dichlorobenzene

Concen: 0.096 ug/L

RT: 12.09 min Scan# 1804

Delta R.T. 0.01 min

Lab File: VX018773.D

Acq: 05 Oct 2020 18:20

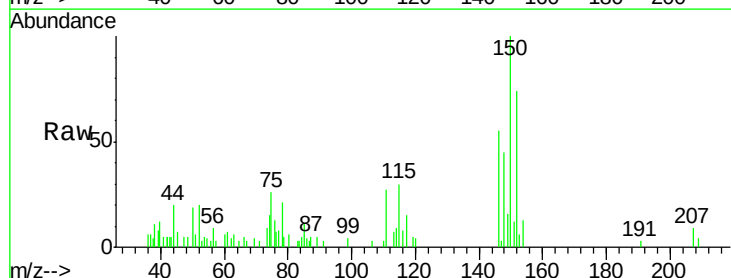
Tgt Ion:146 Resp: 1588

Ion Ratio Lower Upper

146 100

111 48.2 28.6 53.2

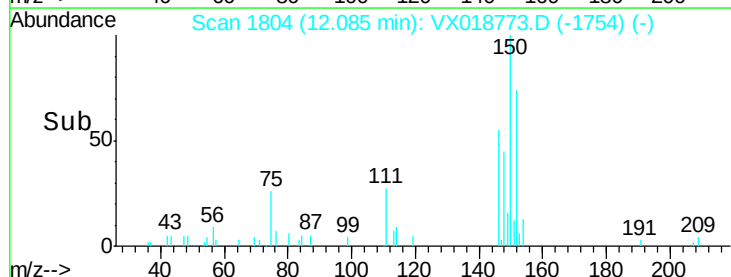
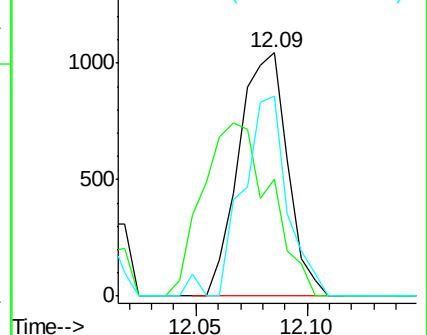
148 82.1 44.2 82.0#

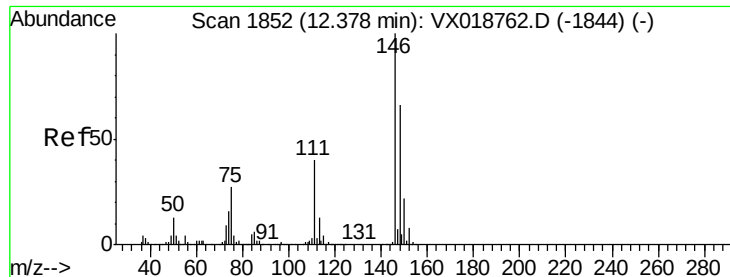


Abundance Ion 145.95 (145.65 to 146.65): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V

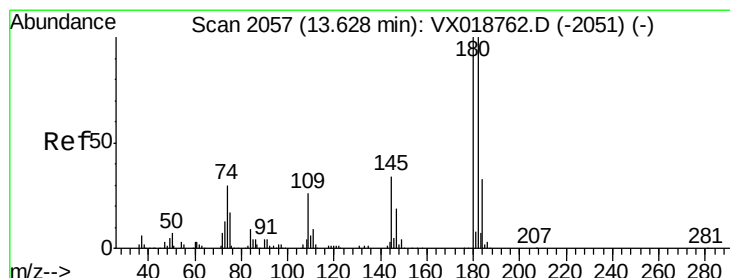
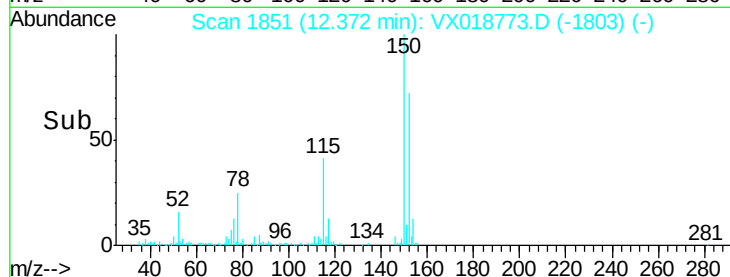
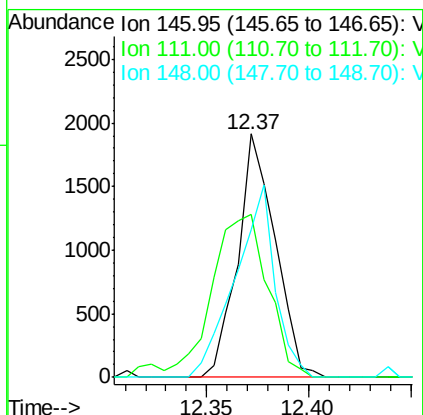
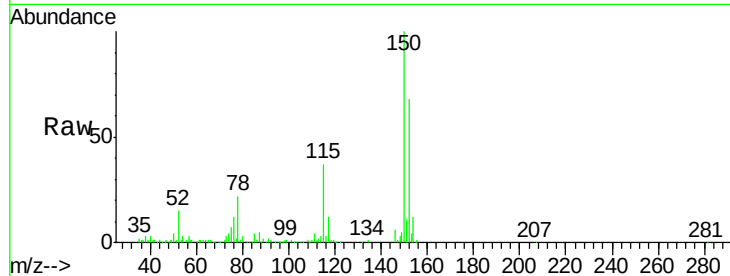




#66
 1,2-Dichlorobenzene
 Concen: 0.158 ug/L
 RT: 12.37 min Scan# 1851
 Delta R.T. -0.01 min
 Lab File: VX018773.D
 Acq: 05 Oct 2020 18:20

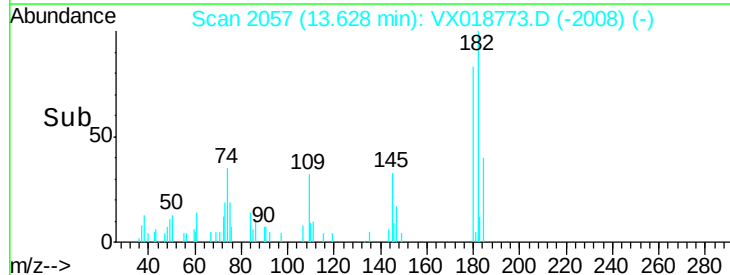
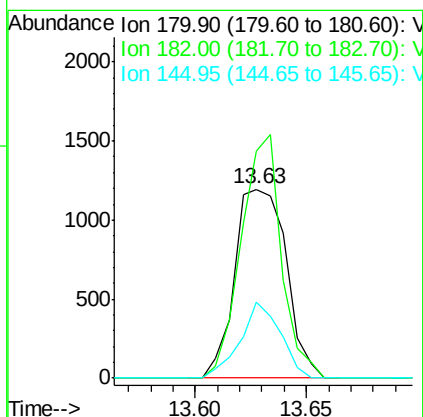
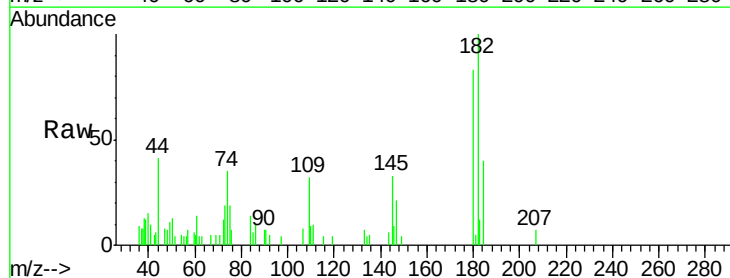
Instrument :
 MSVOA_X
 ClientSampleId :
 BG3N3DL

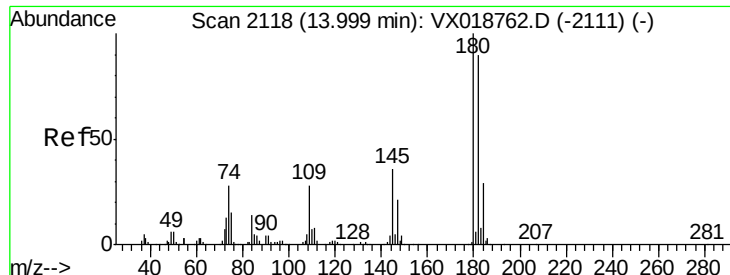
Tot Ion:146 Resp: 2440
 Ion Ratio Lower Upper
 146 100
 111 66.8 31.7 47.5#
 148 60.4 49.0 73.6



#69
 1,2,4-trichlorobenzene
 Concen: 0.183 ug/L
 RT: 13.63 min Scan# 2057
 Delta R.T. 0.00 min
 Lab File: VX018773.D
 Acq: 05 Oct 2020 18:20

Tgt Ion:180 Resp: 1926
 Ion Ratio Lower Upper
 180 100
 182 100.8 80.2 120.4
 145 31.4 25.2 37.8





#71
 1,2,3-Trichlorobenzene
 Concen: 0.105 ug/L
 RT: 14.00 min Scan# 2118
 Delta R.T. 0.00 min
 Lab File: VX018773.D
 Acq: 05 Oct 2020 18:20

Instrument :
 MSVOA_X
 ClientSampleId :
 BG3N3DL

Tot Ion	Ratio	Lower	Upper
180	100		
182	87.3	73.6	110.4
145	30.8	26.6	40.0

