

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX100720\
 Data File : VX018814.D
 Acq On : 07 Oct 2020 16:24
 Operator : JC/SP
 Sample : L4240-03DL 40X
 Misc : 25.0mL/MSVOA X/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 BG3R0DL

Quant Time: Oct 08 01:41:11 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	129127	5.00	ug/L	0.00
28) Chlorobenzene-d5	10.10	117	133588	5.00	ug/L	0.00
61) 1,4-Dichlorobenzene-d4	12.06	152	66746	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.39	65	26906	3.56	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	71.20%
7) Chloroethane-d5	1.70	69	25163	4.26	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	85.20%
11) 1,1-Dichloroethene-d2	2.34	63	48144	2.83	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	56.60%#
20) 2-Butanone-d5	4.56	46	102018	51.56	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	103.12%
24) Chloroform-d	5.13	84	73748	4.04	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	80.80%
26) 1,2-Dichloroethane-d4	6.02	65	45458	4.08	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	81.60%
32) Benzene-d6	6.04	84	127979	3.86	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	77.20%
36) 1,2-Dichloropropane-d6	7.37	67	41256	4.30	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	86.00%
41) Toluene-d8	8.70	98	120262	3.67	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	73.40%
45) trans-1,3-Dichloropropene-	8.99	79	21994	4.26	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	85.20%
48) 2-Hexanone-d5	9.43	63	81356	47.01	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	94.02%
59) 1,1,2,2-Tetrachloroethane-	11.23	84	34627	4.44	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	88.80%
65) 1,2-Dichlorobenzene-d4	12.36	152	50242	4.08	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	81.60%

Target Compounds

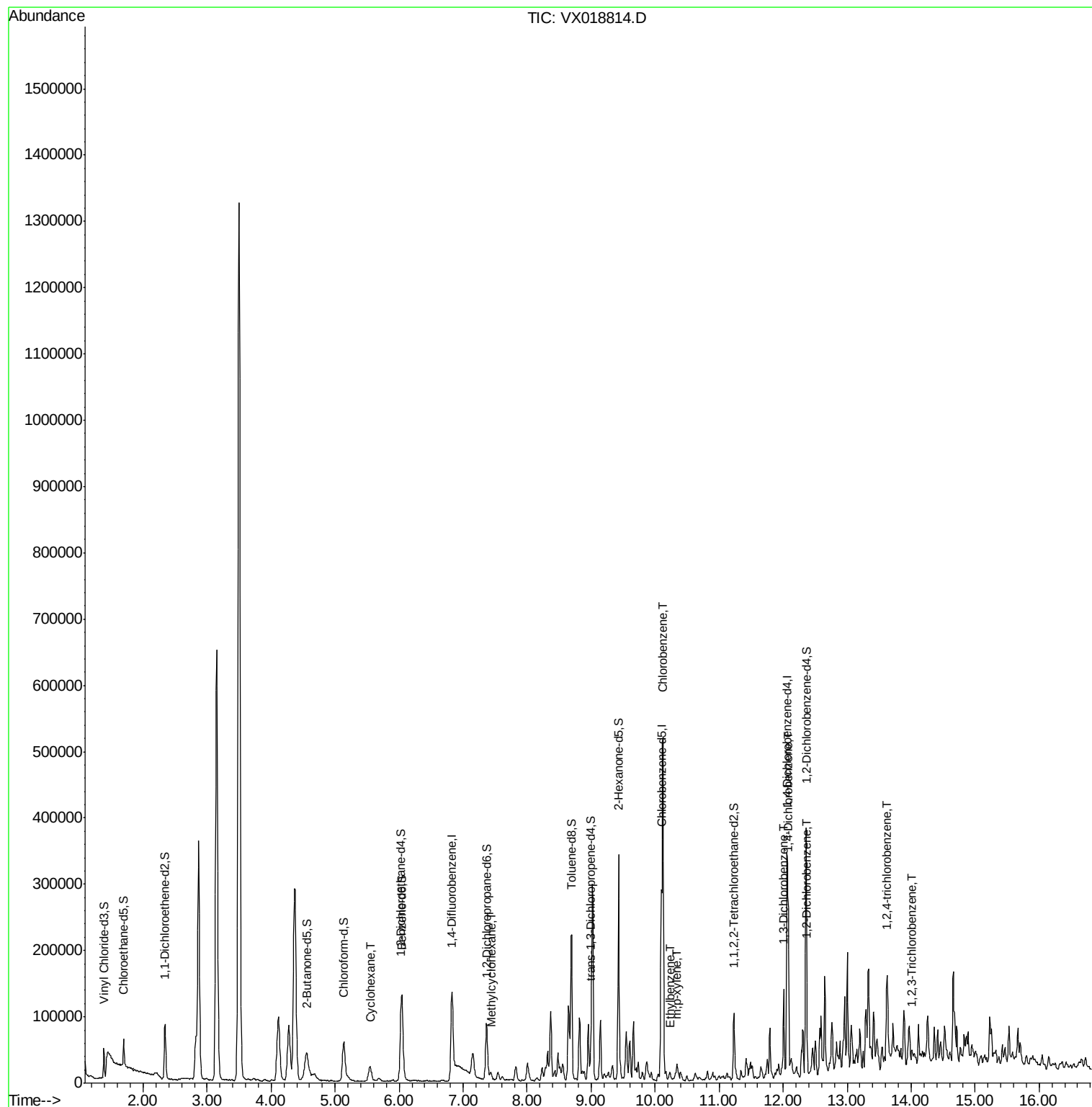
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
30) Cyclohexane	5.54	56	13755	1.255	ug/L	95
35) Methylcyclohexane	7.43	83	3794	0.324	ug/L #	83
53) Chlorobenzene	10.12	112	222857	10.643	ug/L	92
54) Ethylbenzene	10.23	91	4181	0.122	ug/L	85
55) m,p-xylene	10.34	106	4147	0.310	ug/L	97
63) 1,3-Dichlorobenzene	12.01	146	36728	2.264	ug/L	93
64) 1,4-Dichlorobenzene	12.08	146	61050	3.773	ug/L	97
66) 1,2-Dichlorobenzene	12.38	146	1984	0.131	ug/L #	82
69) 1,2,4-trichlorobenzene	13.63	180	12755	1.230	ug/L #	86
71) 1,2,3-Trichlorobenzene	14.00	180	1995	0.214	ug/L #	27

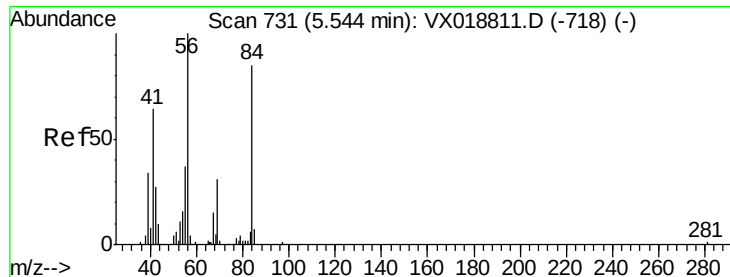
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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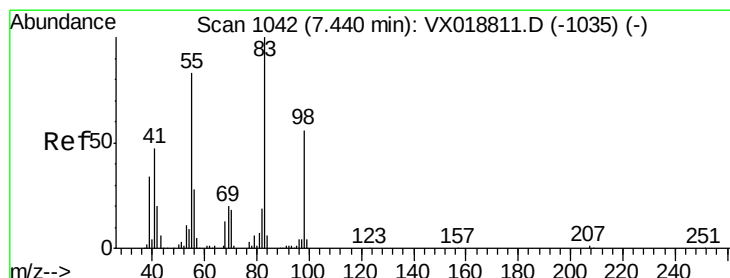
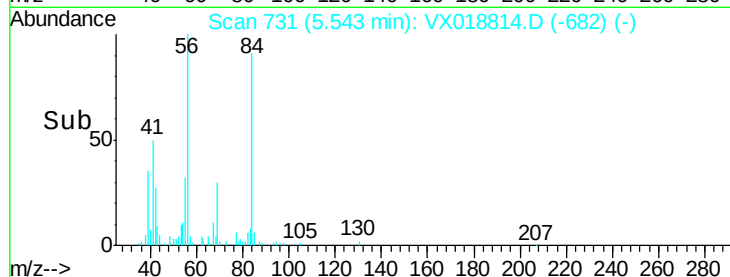
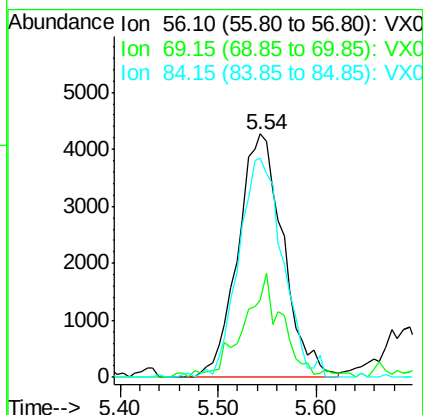
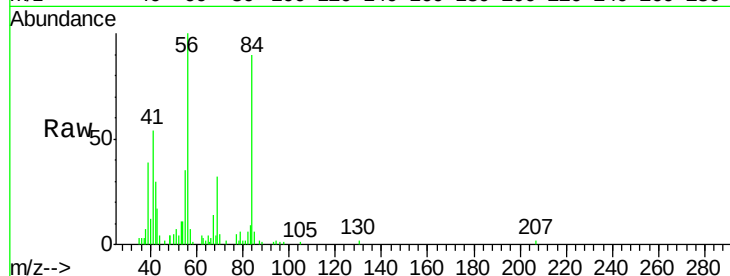




#30
Cyclohexane
Concen: 1.255 ug/L
RT: 5.54 min Scan# 731
Delta R.T. -0.00 min
Lab File: VX018814.D
Acq: 07 Oct 2020 16:24

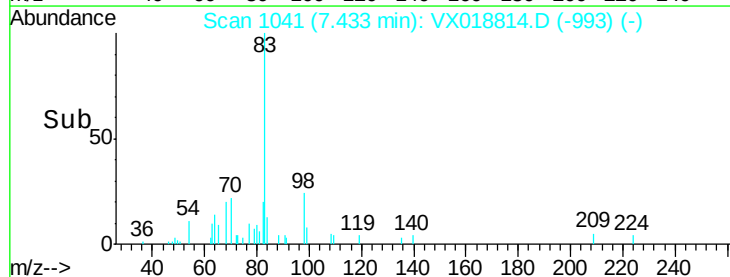
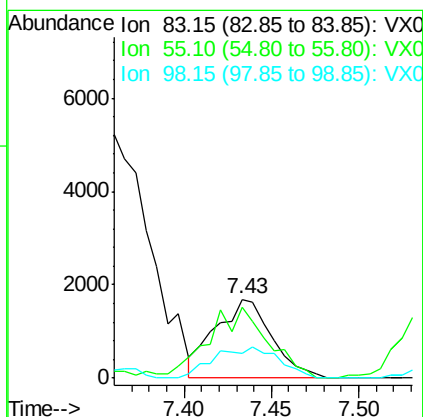
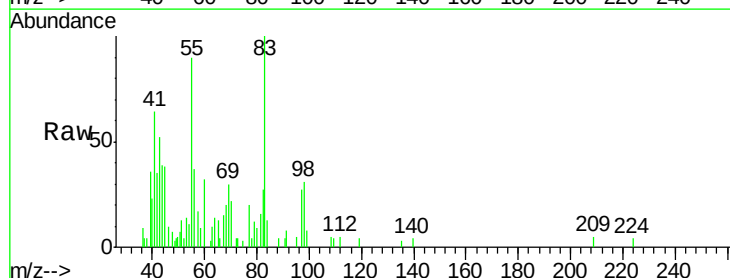
Instrument :
MSVOA_X
ClientSampled :
BG3R0DL

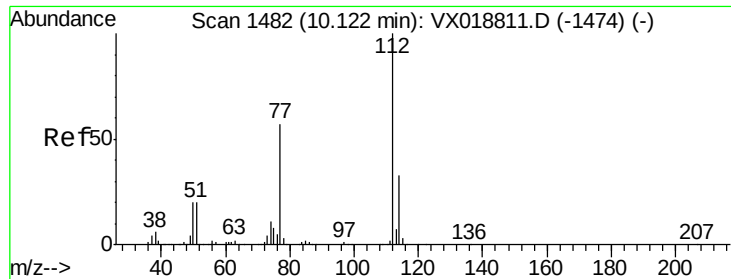
Tot Ion: 56 Resp: 13755
Ion Ratio Lower Upper
56 100
69 35.8 26.0 39.0
84 88.2 73.8 110.6



#35
Methylcyclohexane
Concen: 0.324 ug/L
RT: 7.43 min Scan# 1041
Delta R.T. -0.01 min
Lab File: VX018814.D
Acq: 07 Oct 2020 16:24

Tgt Ion: 83 Resp: 3794
Ion Ratio Lower Upper
83 100
55 95.4 60.3 90.5#
98 44.8 39.4 59.0





#53

Chlorobenzene

Concen: 10.643 ug/L

RT: 10.12 min Scan# 1482

Delta R.T. -0.00 min

Lab File: VX018814.D

Acq: 07 Oct 2020 16:24

Instrument :

MSVOA_X

ClientSampleId :

BG3R0DL

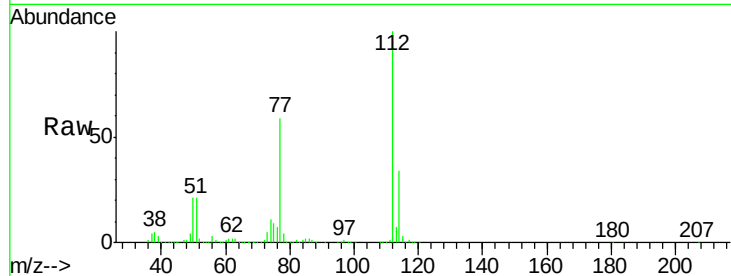
Tot Ion:112 Resp: 222857

Ion Ratio Lower Upper

112 100

114 33.8 21.3 39.5

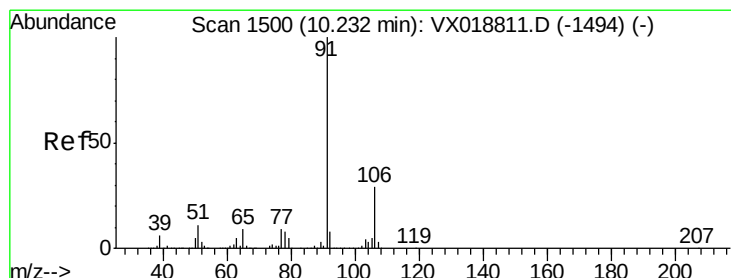
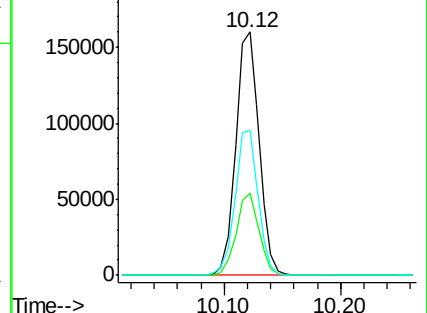
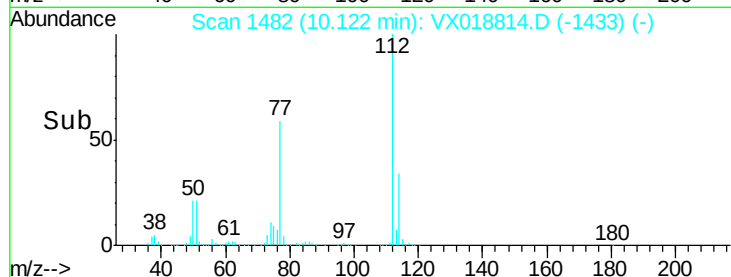
77 59.4 42.4 63.6



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): VX0



#54

Ethylbenzene

Concen: 0.122 ug/L

RT: 10.23 min Scan# 1500

Delta R.T. -0.00 min

Lab File: VX018814.D

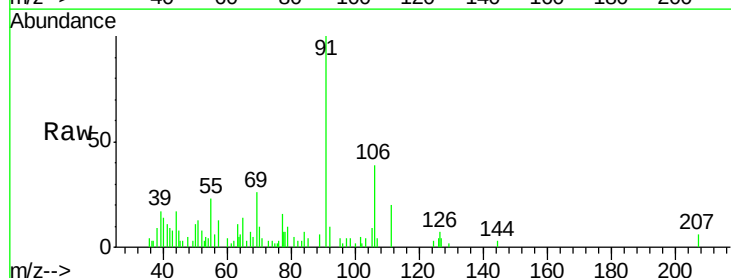
Acq: 07 Oct 2020 16:24

Tgt Ion: 91 Resp: 4181

Ion Ratio Lower Upper

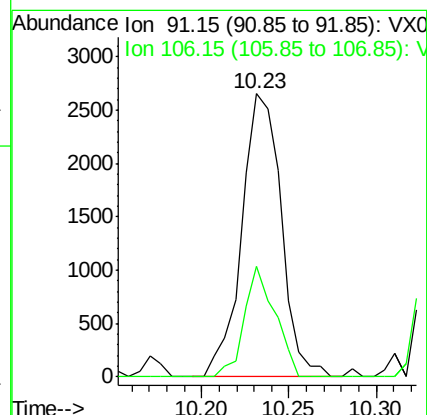
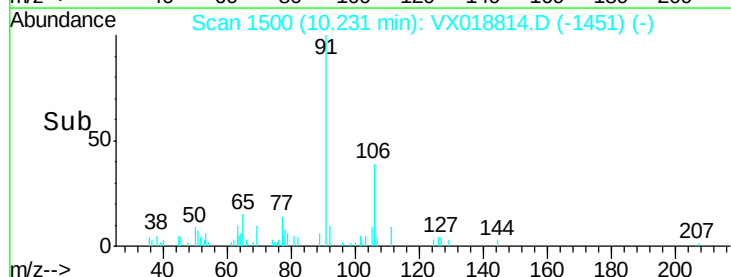
91 100

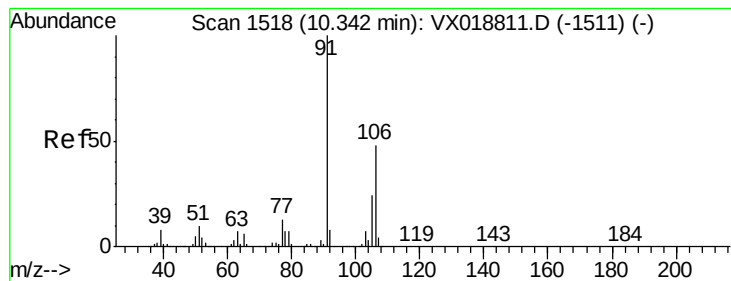
106 39.1 21.5 39.9



Abundance Ion 91.15 (90.85 to 91.85): VX0

Ion 106.15 (105.85 to 106.85): V





#55

m,p-xylene

Concen: 0.310 ug/L

RT: 10.34 min Scan# 1518

Delta R.T. -0.00 min

Lab File: VX018814.D

Acq: 07 Oct 2020 16:24

Instrument :

MSVOA_X

ClientSampled :

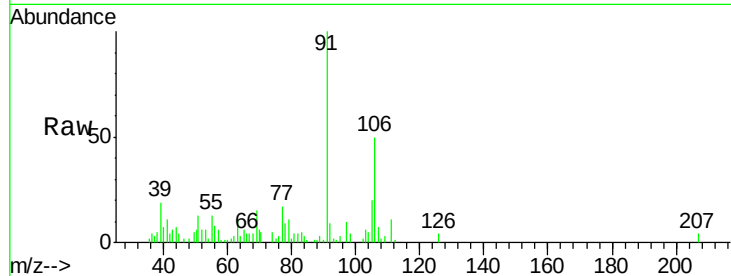
BG3R0DL

Tot Ion:106 Resp: 4147

Ion Ratio Lower Upper

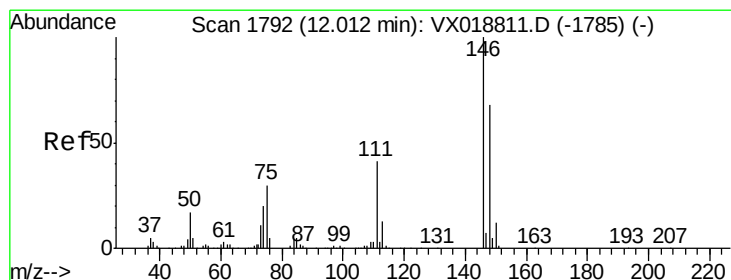
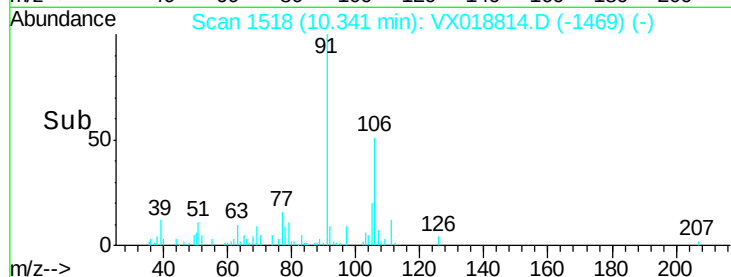
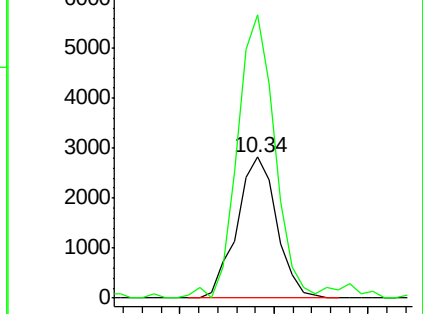
106 100

91 200.4 143.4 266.2



Abundance Ion 106.15 (105.85 to 106.85): V

Ion 91.15 (90.85 to 91.85): VX0



#63

1,3-Dichlorobenzene

Concen: 2.264 ug/L

RT: 12.01 min Scan# 1792

Delta R.T. -0.00 min

Lab File: VX018814.D

Acq: 07 Oct 2020 16:24

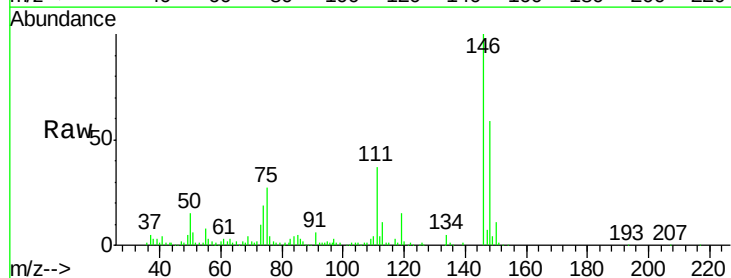
Tgt Ion:146 Resp: 36728

Ion Ratio Lower Upper

146 100

111 37.4 28.4 52.8

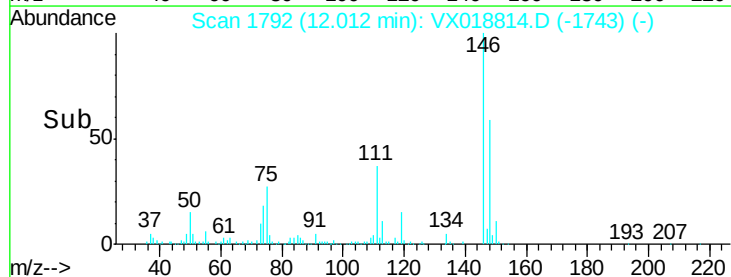
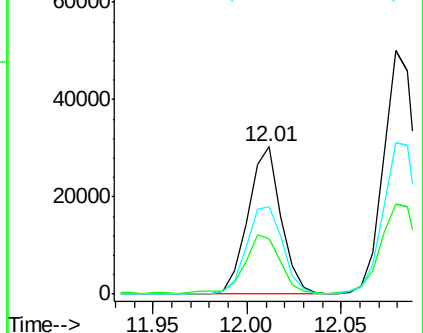
148 59.0 45.9 85.3

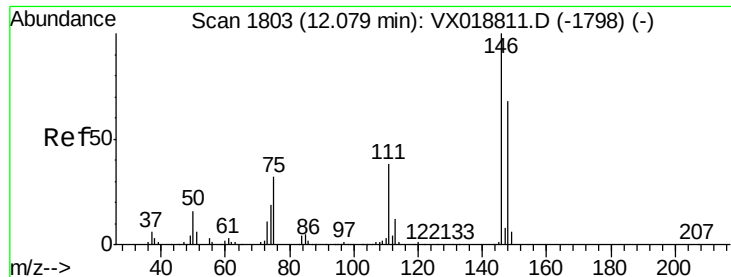


Abundance Ion 145.95 (145.65 to 146.65): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V

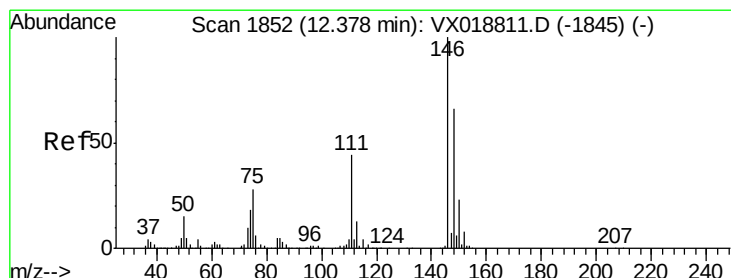
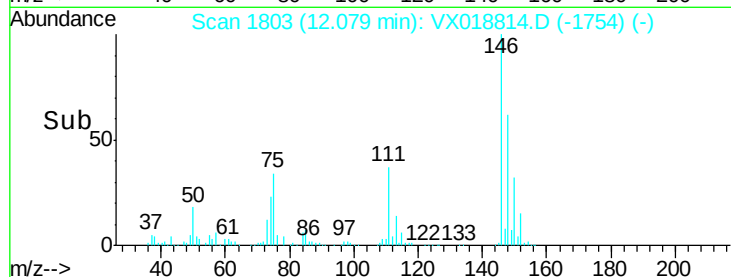
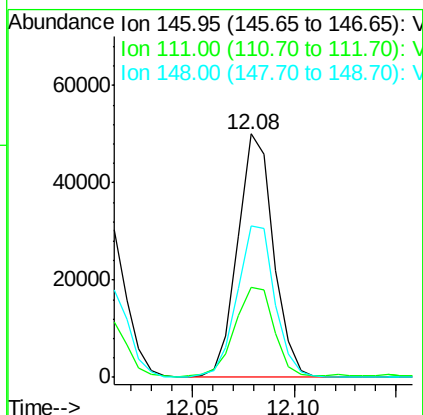
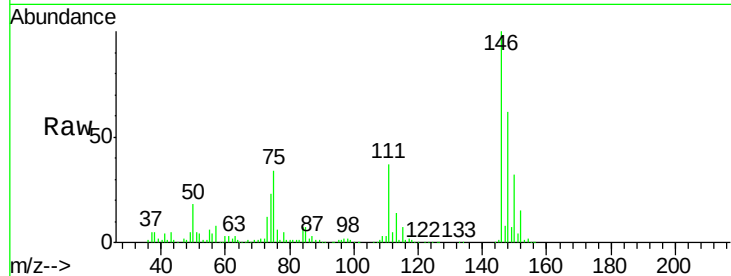




#64
 1,4-Dichlorobenzene
 Concen: 3.773 ug/L
 RT: 12.08 min Scan# 1803
 Delta R.T. -0.00 min
 Lab File: VX018814.D
 Acq: 07 Oct 2020 16:24

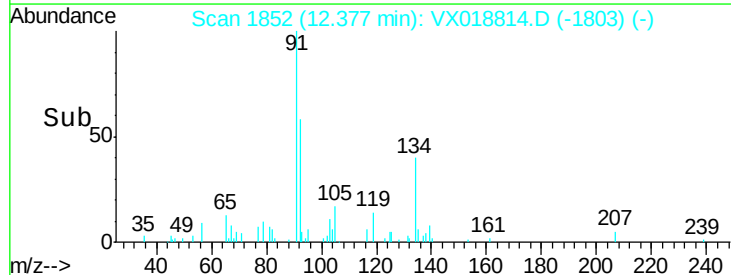
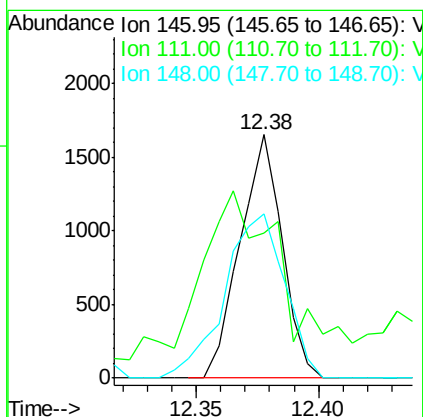
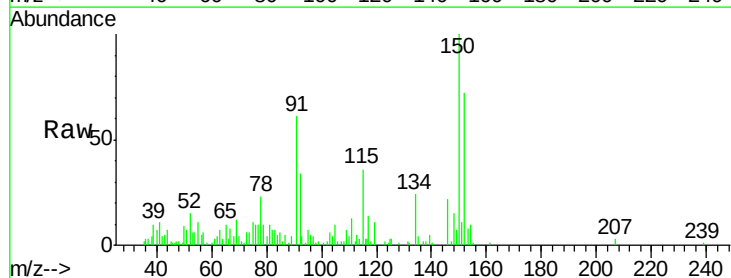
Instrument :
 MSVOA_X
 ClientSampleId :
 BG3R0DL

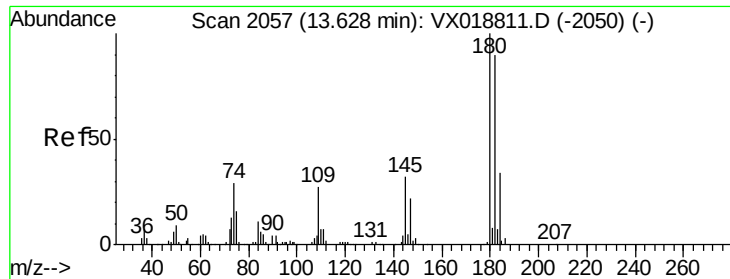
Tot Ion:146 Resp: 61050
 Ion Ratio Lower Upper
 146 100
 111 36.9 28.6 53.2
 148 62.3 44.2 82.0



#66
 1,2-Dichlorobenzene
 Concen: 0.131 ug/L
 RT: 12.38 min Scan# 1852
 Delta R.T. -0.00 min
 Lab File: VX018814.D
 Acq: 07 Oct 2020 16:24

Tgt Ion:146 Resp: 1984
 Ion Ratio Lower Upper
 146 100
 111 59.8 31.7 47.5#
 148 67.3 49.0 73.6

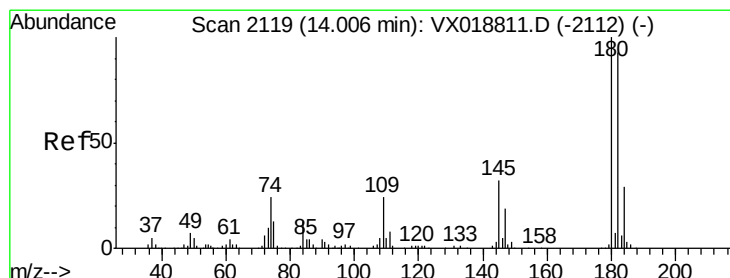
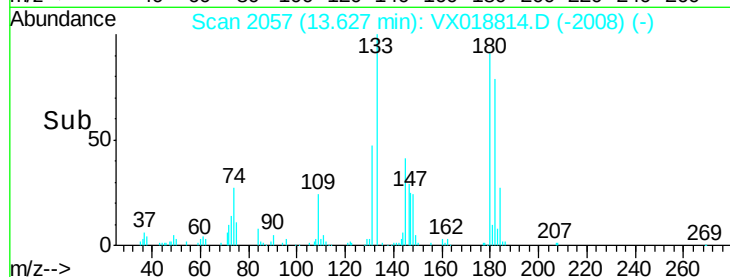
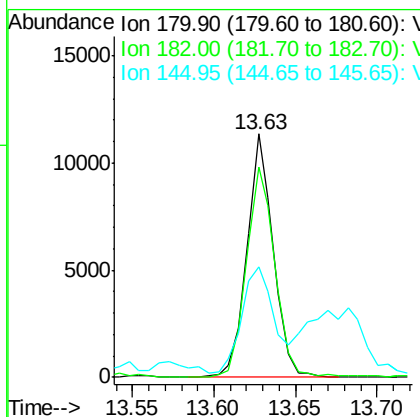
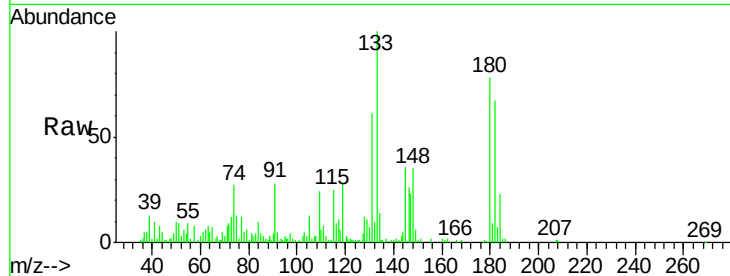




#69
 1,2,4-trichlorobenzene
 Concen: 1.230 ug/L
 RT: 13.63 min Scan# 2057
 Delta R.T. -0.00 min
 Lab File: VX018814.D
 Acq: 07 Oct 2020 16:24

Instrument :
 MSVOA_X
 ClientSampled :
 BG3R0DL

Tot Ion:180 Resp: 12755
 Ion Ratio Lower Upper
 180 100
 182 94.9 80.2 120.4
 145 54.4 25.2 37.8#



#71
 1,2,3-Trichlorobenzene
 Concen: 0.214 ug/L
 RT: 14.00 min Scan# 2118
 Delta R.T. -0.01 min
 Lab File: VX018814.D
 Acq: 07 Oct 2020 16:24

Tgt Ion:180 Resp: 1995
 Ion Ratio Lower Upper
 180 100
 182 102.7 73.6 110.4
 145 170.6 26.6 40.0#

