

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX041923\
 Data File : VX035201.D
 Acq On : 20 Apr 2023 03:48
 Operator : JC/MD
 Sample : 02378-19
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 48 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Apr 20 05:11:48 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\SFAMXML041823WMA.M
 Quant Title : VOC Analysis
 QLast Update : Thu Apr 20 04:51:49 2023
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

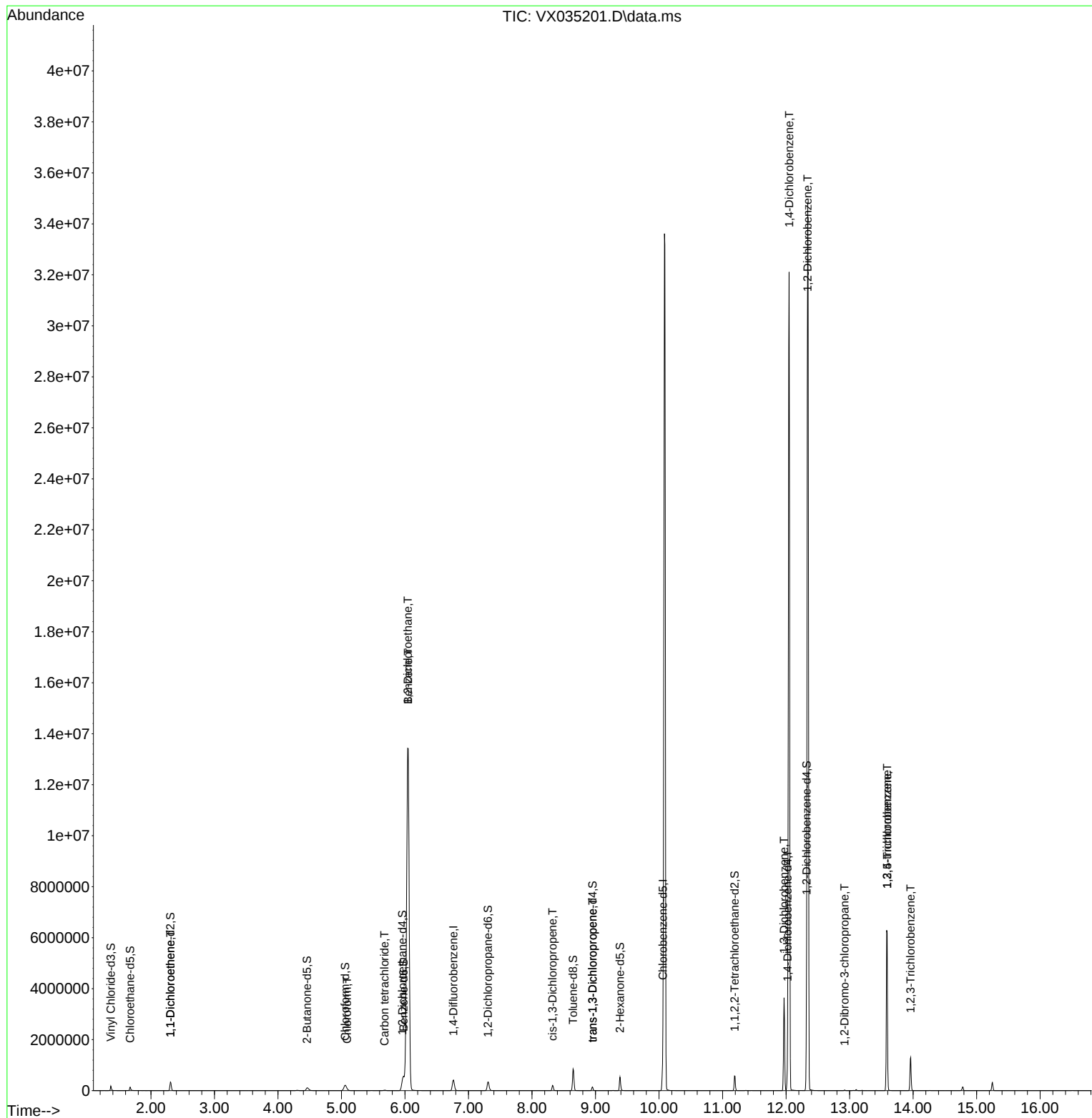
Internal Standards						
1) 1,4-Difluorobenzene	6.763	114	433871	50.000	ug/L	0.00
28) Chlorobenzene-d5	10.061	117	384357	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	12.024	152	197230	50.000	ug/L	# 0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.367	65	115718	41.363	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	82.720%
7) Chloroethane-d5	1.672	69	94409	46.702	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	93.400%
11) 1,1-Dichloroethene-d2	2.306	65	61283	45.781	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	91.560%
21) 2-Butanone-d5	4.458	46	208561	111.870	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	111.870%
24) Chloroform-d	5.056	84	271992	51.627	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	103.260%
26) 1,2-Dichloroethane-d4	5.958	65	184481	54.528	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	109.060%
32) Benzene-d6	5.976	84	571681	51.778	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	103.560%
36) 1,2-Dichloropropane-d6	7.305	67	178848	53.029	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	106.060%
41) Toluene-d8	8.647	98	507671	50.310	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	100.620%
43) trans-1,3-Dichloroprop...	8.951	79	69825	47.374	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	94.740%
47) 2-Hexanone-d5	9.384	63	153519	113.351	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	113.350%
56) 1,1,2,2-Tetrachloroeth...	11.189	84	225674	54.637	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	109.280%
66) 1,2-Dichlorobenzene-d4	12.323	152	190452	49.829	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	99.660%
Target Compounds						Qvalue
12) 1,1-Dichloroethene	2.306	96	1672	0.645	ug/L #	1
25) Chloroform	5.086	83	22703	4.352	ug/L	99
27) 1,2-Dichloroethane	6.043	62	164417	39.350	ug/L #	73
31) Carbon tetrachloride	5.678	117	16712	4.372	ug/L	100
33) Benzene	6.050	78	15947092	1370.053	ug/L	100
39) cis-1,3-Dichloropropene	8.324	75	4952	1.081	ug/L	86
44) trans-1,3-Dichloropropene	8.951	75	3133	0.759	ug/L	89
64) 1,3-Dichlorobenzene	11.969	146	1139022	186.221	ug/L	100
65) 1,4-Dichlorobenzene	12.048	146	9530482	1522.731	ug/L #	83
67) 1,2-Dichlorobenzene	12.341	146	10491275	1691.636	ug/L #	81
68) 1,2-Dibromo-3-chloropr...	12.920	75	4094	4.556	ug/L #	1
69) 1,3,5-Trichlorobenzene	13.591	180	1479334	391.223	ug/L	98
70) 1,2,4-trichlorobenzene	13.591	180	1479334	417.811	ug/L	100
72) 1,2,3-Trichlorobenzene	13.963	180	310905	88.947	ug/L	98

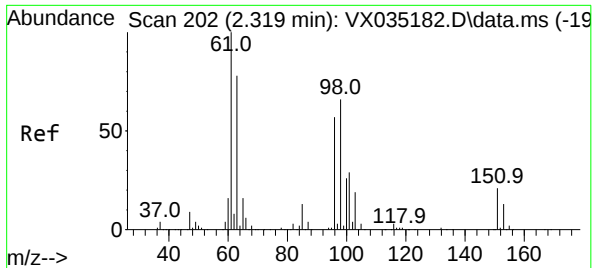
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\SFAMXML041823WMA.M
Quant Title : VOC Analysis
QLast Update : Thu Apr 20 04:51:49 2023
Response via : Initial Calibration





#12

1,1-Dichloroethene

Concen: 0.645 ug/L

RT: 2.306 min Scan# 20

Delta R.T. -0.012 min

Lab File: VX035201.D

Acq: 20 Apr 2023 03:48

Instrument :

MSVOA_X

ClientSampleId :

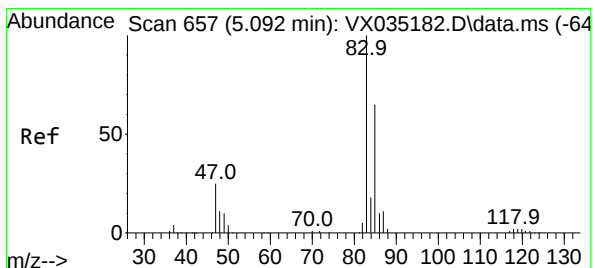
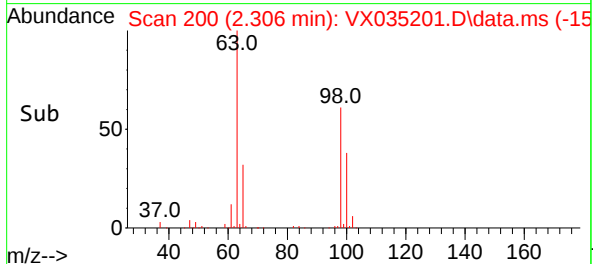
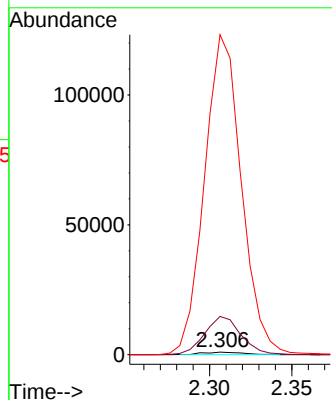
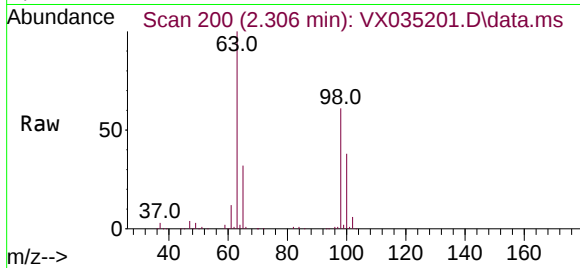
Tgt Ion: 96 Resp: 1672

Ion Ratio Lower Upper

96 100

61 1537.2 119.0 221.0#

63 12836.7 91.0 169.0#



#25

Chloroform

Concen: 4.352 ug/L

RT: 5.086 min Scan# 656

Delta R.T. -0.006 min

Lab File: VX035201.D

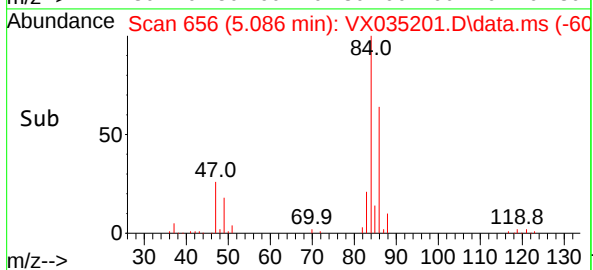
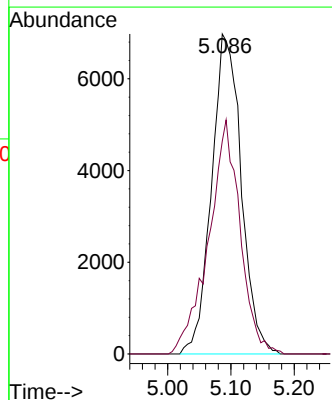
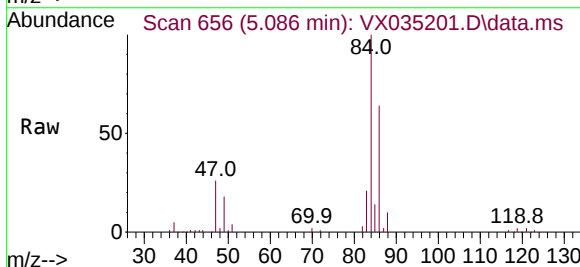
Acq: 20 Apr 2023 03:48

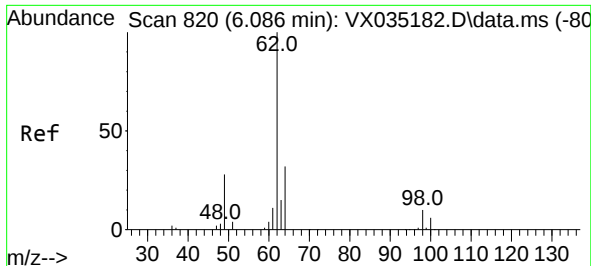
Tgt Ion: 83 Resp: 22703

Ion Ratio Lower Upper

83 100

85 66.5 46.0 85.4





#27

1,2-Dichloroethane

Concen: 39.350 ug/L

RT: 6.043 min Scan# 81

Delta R.T. -0.043 min

Lab File: VX035201.D

Acq: 20 Apr 2023 03:48

Instrument :

MSVOA_X

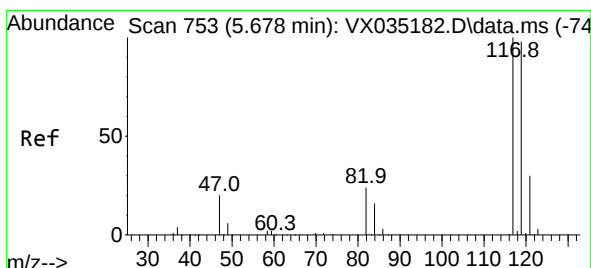
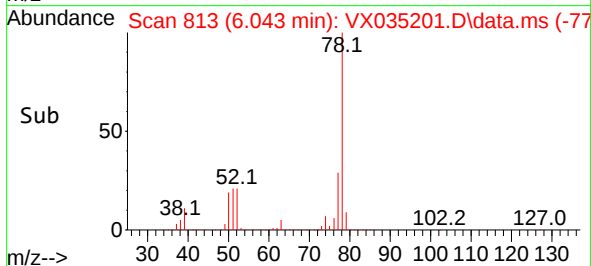
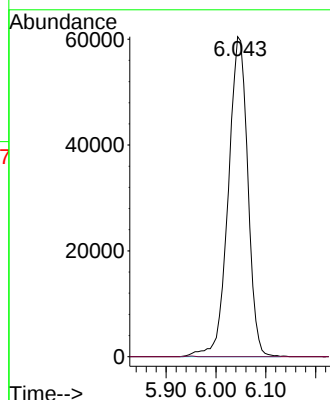
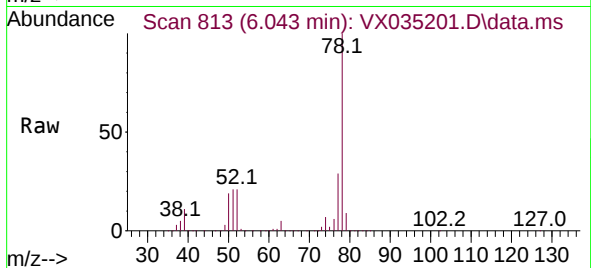
ClientSampleId :

Tgt Ion: 62 Resp: 164417

Ion Ratio Lower Upper

62 100

98 0.0 7.8 11.8#



#31

Carbon tetrachloride

Concen: 4.372 ug/L

RT: 5.678 min Scan# 753

Delta R.T. -0.000 min

Lab File: VX035201.D

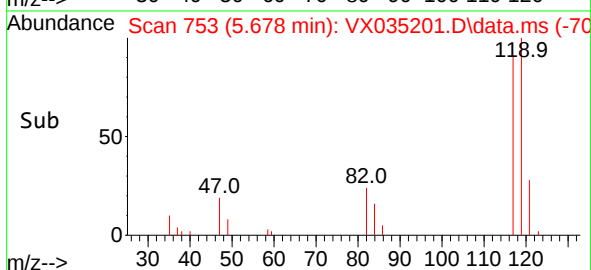
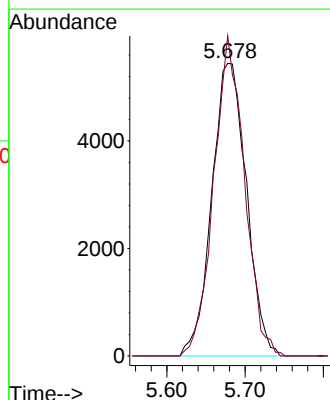
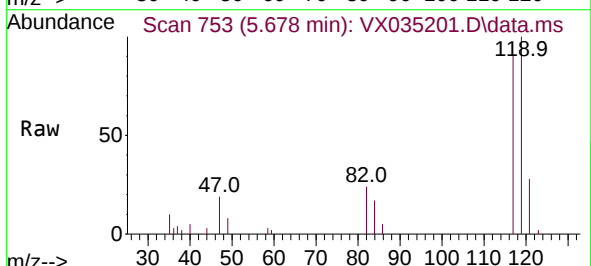
Acq: 20 Apr 2023 03:48

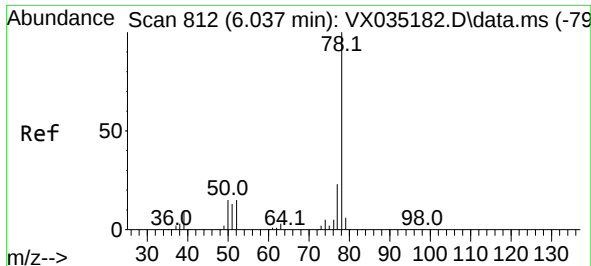
Tgt Ion: 117 Resp: 16712

Ion Ratio Lower Upper

117 100

119 96.5 77.1 115.7

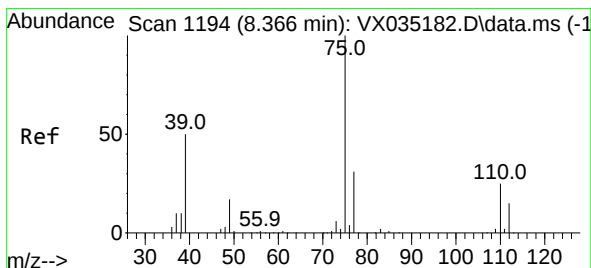
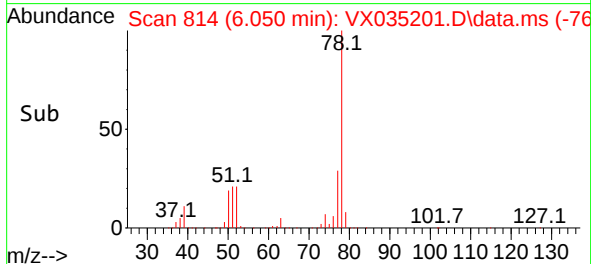
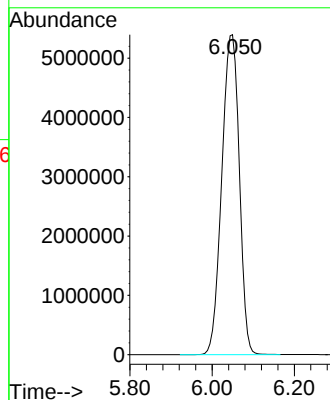
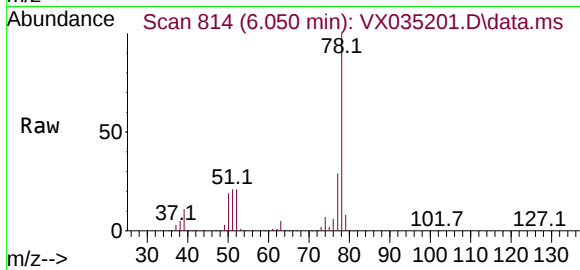




#33
Benzene
Concen: 1370.053 ug/L
RT: 6.050 min Scan# 81
Delta R.T. 0.012 min
Lab File: VX035201.D
Acq: 20 Apr 2023 03:48

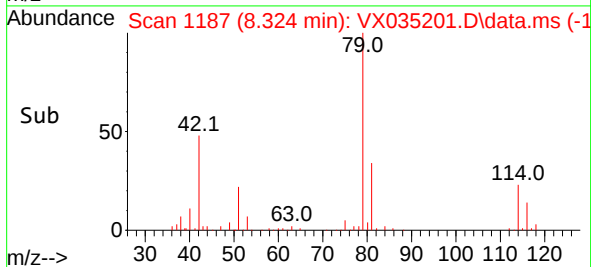
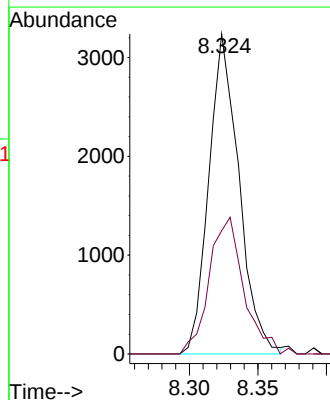
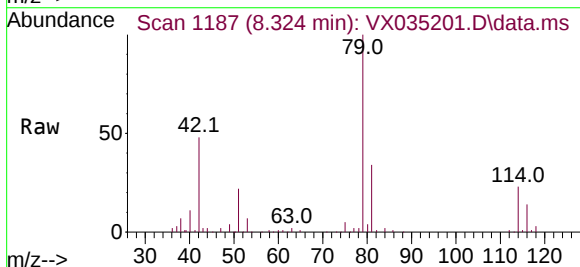
Instrument :
MSVOA_X
ClientSampleId :

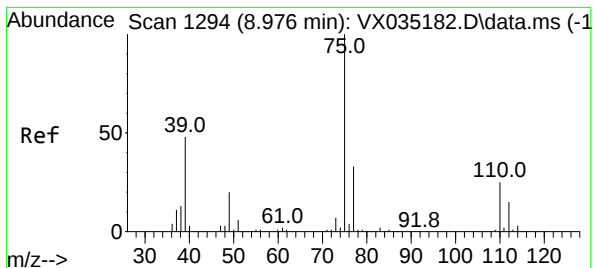
Tgt Ion: 78 Resp:15947092



#39
cis-1,3-Dichloropropene
Concen: 1.081 ug/L
RT: 8.324 min Scan# 1187
Delta R.T. -0.043 min
Lab File: VX035201.D
Acq: 20 Apr 2023 03:48

Tgt Ion: 75 Resp: 4952
Ion Ratio Lower Upper
75 100
77 38.5 21.4 39.8





#44

trans-1,3-Dichloropropene

Concen: 0.759 ug/L

RT: 8.951 min Scan# 11

Delta R.T. -0.024 min

Lab File: VX035201.D

Acq: 20 Apr 2023 03:48

Instrument :

MSVOA_X

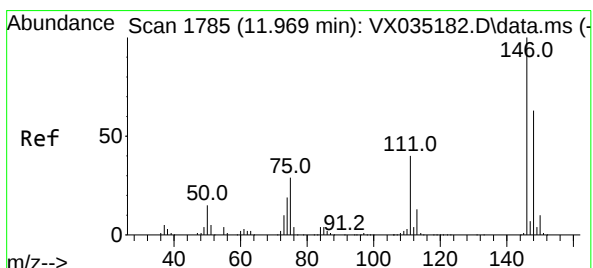
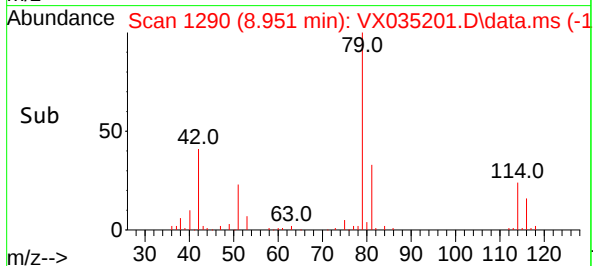
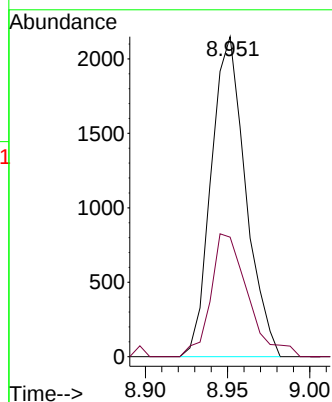
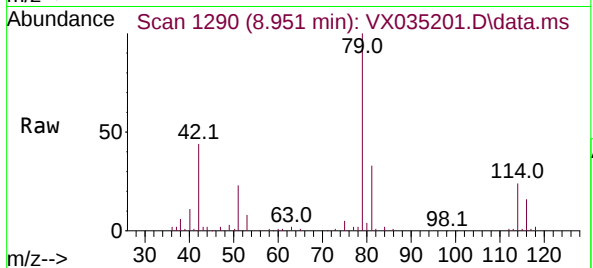
ClientSampleId :

Tgt Ion: 75 Resp: 3133

Ion Ratio Lower Upper

75 100

77 37.4 22.0 40.8



#64

1,3-Dichlorobenzene

Concen: 186.221 ug/L

RT: 11.969 min Scan# 1785

Delta R.T. -0.000 min

Lab File: VX035201.D

Acq: 20 Apr 2023 03:48

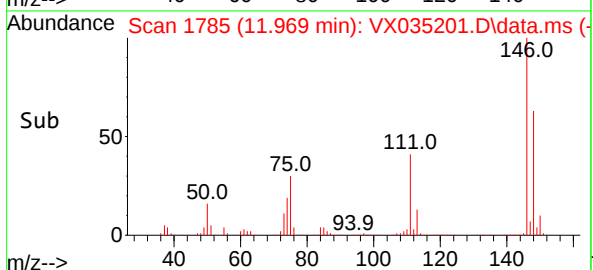
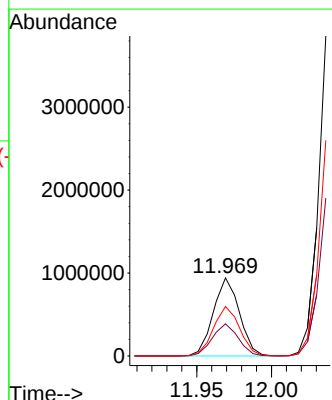
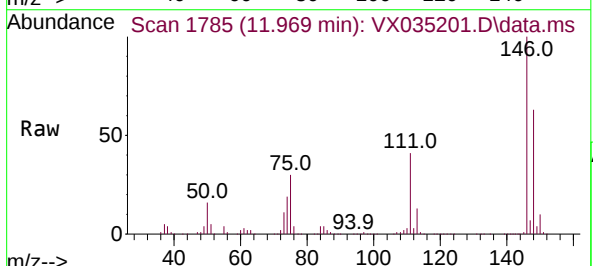
Tgt Ion:146 Resp: 1139022

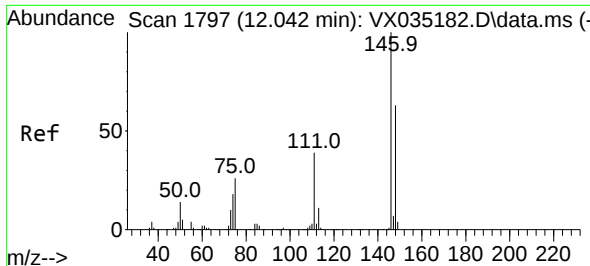
Ion Ratio Lower Upper

146 100

111 41.3 28.9 53.7

148 63.3 44.3 82.3

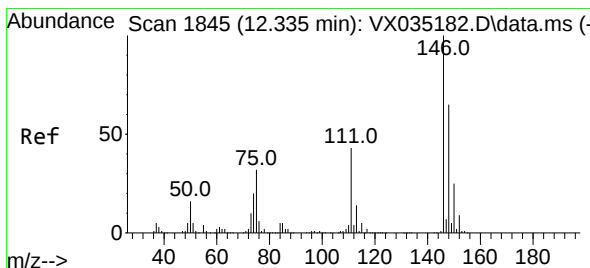
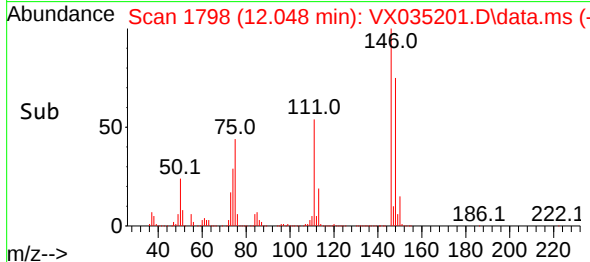
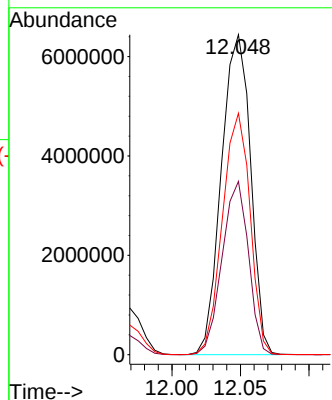
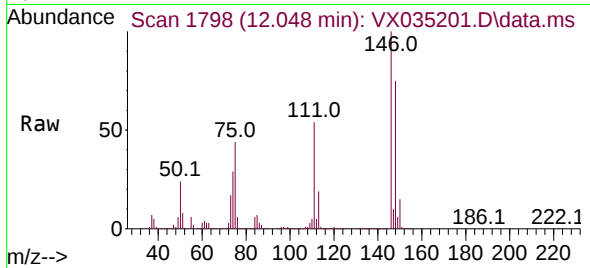




#65
1,4-Dichlorobenzene
Concen: 1522.731 ug/L
RT: 12.048 min Scan# 1797
Delta R.T. 0.006 min
Lab File: VX035201.D
Acq: 20 Apr 2023 03:48

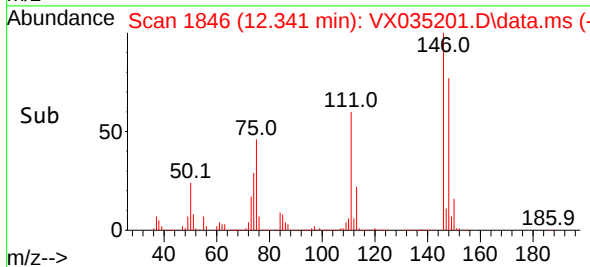
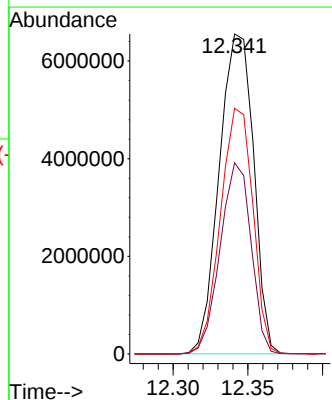
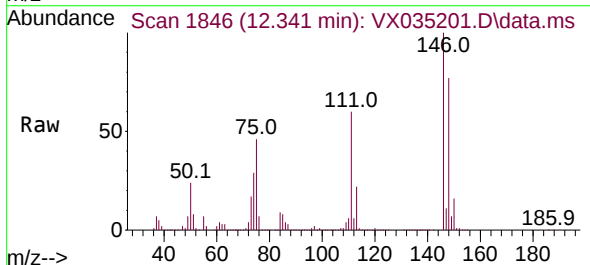
Instrument :
MSVOA_X
ClientSampleId :

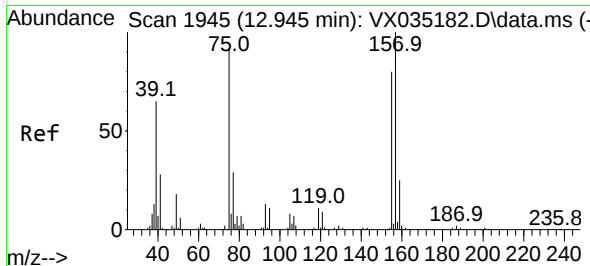
Tgt Ion:146 Resp: 9530482
Ion Ratio Lower Upper
146 100
111 54.2 27.9 51.7#
148 75.4 45.9 85.3



#67
1,2-Dichlorobenzene
Concen: 1691.636 ug/L
RT: 12.341 min Scan# 1846
Delta R.T. 0.006 min
Lab File: VX035201.D
Acq: 20 Apr 2023 03:48

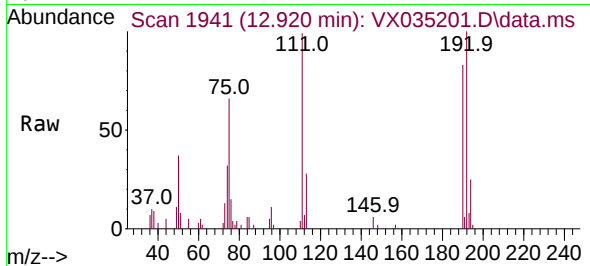
Tgt Ion:146 Resp:10491275
Ion Ratio Lower Upper
146 100
111 59.7 34.7 52.1#
148 76.7 52.1 78.1



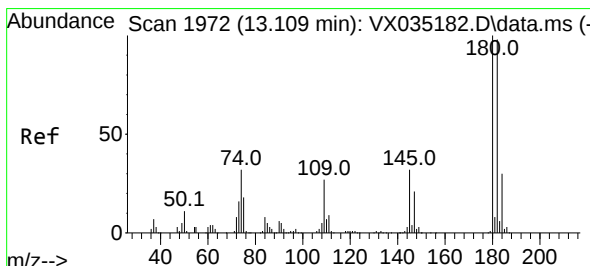
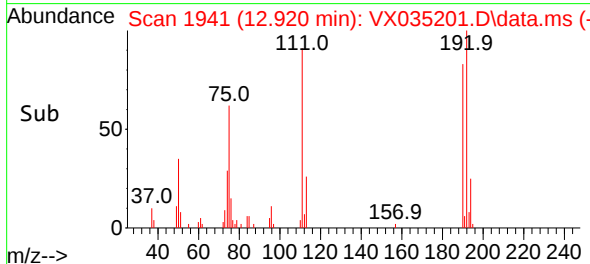
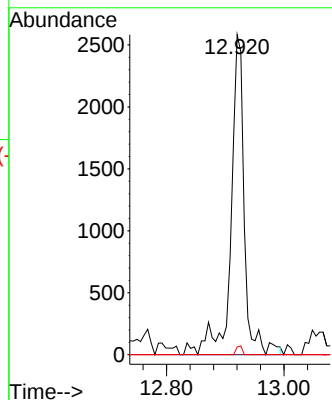


#68
 1,2-Dibromo-3-chloropropane
 Concen: 4.556 ug/L
 RT: 12.920 min Scan# 1945
 Delta R.T. -0.024 min
 Lab File: VX035201.D
 Acq: 20 Apr 2023 03:48

Instrument :
 MSVOA_X
 ClientSampleId :

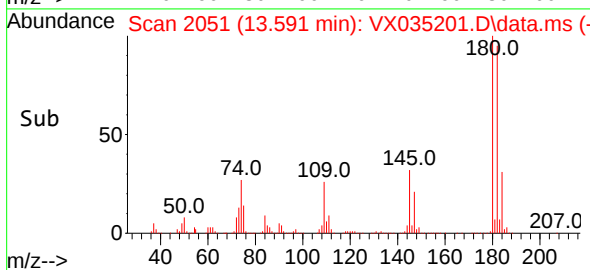
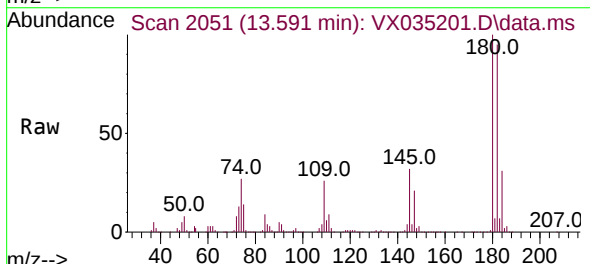
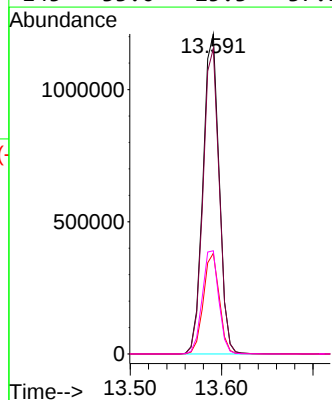


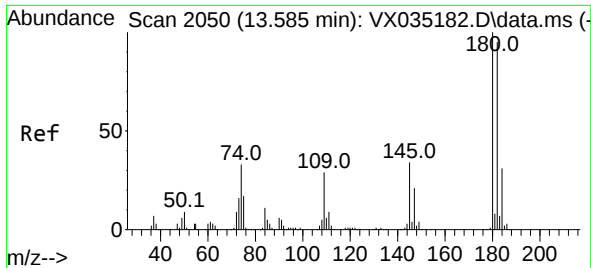
Tgt Ion: 75 Resp: 4094
 Ion Ratio Lower Upper
 75 100
 155 0.0 69.9 104.9#
 157 2.4 90.4 135.6#



#69
 1,3,5-Trichlorobenzene
 Concen: 391.223 ug/L
 RT: 13.591 min Scan# 2051
 Delta R.T. 0.482 min
 Lab File: VX035201.D
 Acq: 20 Apr 2023 03:48

Tgt Ion: 180 Resp: 1479334
 Ion Ratio Lower Upper
 180 100
 182 95.8 75.4 113.0
 184 31.1 23.8 35.8
 145 33.0 25.3 37.9

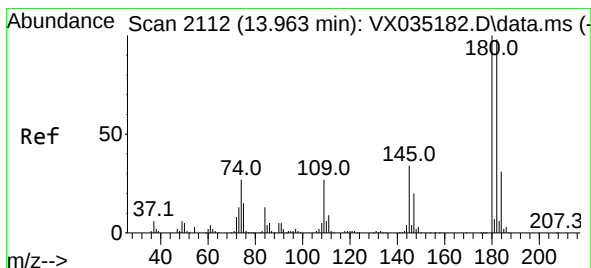
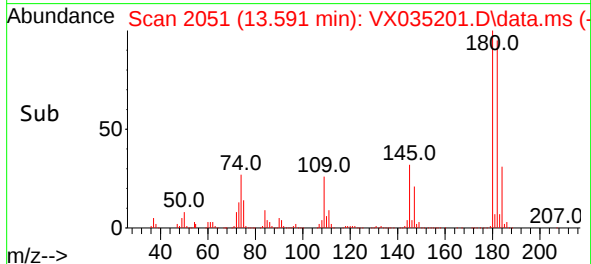
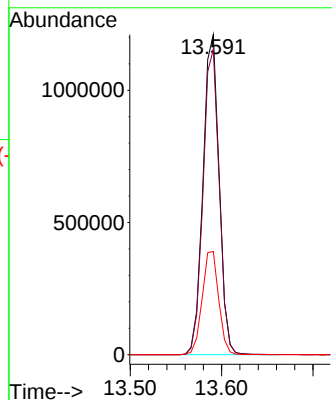
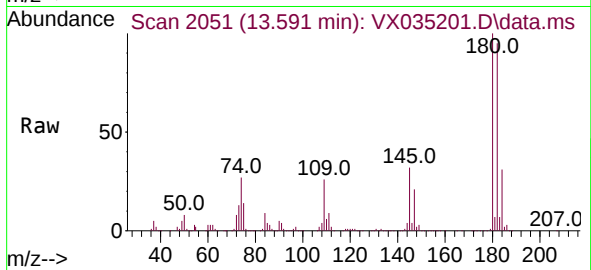




#70
1,2,4-trichlorobenzene
Concen: 417.811 ug/L
RT: 13.591 min Scan# 2051
Delta R.T. 0.006 min
Lab File: VX035201.D
Acq: 20 Apr 2023 03:48

Instrument :
MSVOA_X
ClientSampleId :

Tgt Ion:180 Resp: 1479334
Ion Ratio Lower Upper
180 100
182 95.8 76.6 114.8
145 33.0 26.2 39.4



#72
1,2,3-Trichlorobenzene
Concen: 88.947 ug/L
RT: 13.963 min Scan# 2112
Delta R.T. -0.000 min
Lab File: VX035201.D
Acq: 20 Apr 2023 03:48

Tgt Ion:180 Resp: 310905
Ion Ratio Lower Upper
180 100
182 95.9 75.0 112.6
145 34.3 27.1 40.7

