

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX041923\
 Data File : VX035197.D
 Acq On : 20 Apr 2023 02:16
 Operator : JC/MD
 Sample : 02378-15
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 44 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Apr 20 05:10:43 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	455363	50.000	ug/L	0.00
28) Chlorobenzene-d5	10.067	117	382053	50.000	ug/L	0.01
58) 1,4-Dichlorobenzene-d4	12.042	152	182102	50.000	ug/L	# 0.02
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.368	65	122216	41.624	ug/L	0.00
Spiked Amount 50.000	Range 60 - 135		Recovery =	83.240%		
7) Chloroethane-d5	1.672	69	102778	48.442	ug/L	0.00
Spiked Amount 50.000	Range 70 - 130		Recovery =	96.880%		
11) 1,1-Dichloroethene-d2	2.306	65	60625	43.152	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery =	86.300%		
21) 2-Butanone-d5	4.465	46	206994	105.789	ug/L	0.00
Spiked Amount 100.000	Range 40 - 130		Recovery =	105.790%		
24) Chloroform-d	5.056	84	266977	48.283	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	96.560%		
26) 1,2-Dichloroethane-d4	5.958	65	178532	50.279	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	100.560%		
32) Benzene-d6	5.976	84	561309	51.145	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	102.280%		
36) 1,2-Dichloropropane-d6	7.305	67	174605	52.083	ug/L	0.00
Spiked Amount 50.000	Range 70 - 120		Recovery =	104.160%		
41) Toluene-d8	8.647	98	490255	48.877	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery =	97.760%		
43) trans-1,3-Dichloroprop...	8.952	79	71501	48.804	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery =	97.600%		
47) 2-Hexanone-d5	9.384	63	154246	114.574	ug/L	0.00
Spiked Amount 100.000	Range 45 - 130		Recovery =	114.570%		
56) 1,1,2,2-Tetrachloroeth...	11.195	84	223869	54.527	ug/L	0.00
Spiked Amount 50.000	Range 65 - 120		Recovery =	109.060%		
66) 1,2-Dichlorobenzene-d4	12.341	152	158578	44.937	ug/L	0.02
Spiked Amount 50.000	Range 80 - 120		Recovery =	89.880%		
Target Compounds						Qvalue
12) 1,1-Dichloroethene	2.312	96	1532	0.563	ug/L #	1
25) Chloroform	5.099	83	43666	7.975	ug/L	99
27) 1,2-Dichloroethane	6.050	62	256186	58.419	ug/L #	73
29) Cyclohexane	5.470	56	18332	3.971	ug/L	98
31) Carbon tetrachloride	5.678	117	82722	21.771	ug/L	99
33) Benzene	6.056	78	22447542	1940.153	ug/L	100
35) Methylcyclohexane	7.385	83	9048	2.183	ug/L #	81
37) 1,2-Dichloropropane	7.312	63	19540	6.415	ug/L #	86
39) cis-1,3-Dichloropropene	8.324	75	4836	1.062	ug/L #	67
44) trans-1,3-Dichloropropene	8.952	75	3128	0.762	ug/L #	80
46) Tetrachloroethene	9.275	164	7327	3.196	ug/L	96
64) 1,3-Dichlorobenzene	11.975	146	5416916	959.197	ug/L	94
65) 1,4-Dichlorobenzene	12.061	146	5157687	892.528	ug/L #	59
67) 1,2-Dichlorobenzene	12.353	146	4206056	734.534	ug/L #	68
68) 1,2-Dibromo-3-chloropr...	12.920	75	62607	75.466	ug/L #	2
69) 1,3,5-Trichlorobenzene	13.115	180	6818	1.953	ug/L	96
71) Naphthalene	13.780	128	7496	0.644	ug/L	99
72) 1,2,3-Trichlorobenzene	13.963	180	3160777	979.393	ug/L	98

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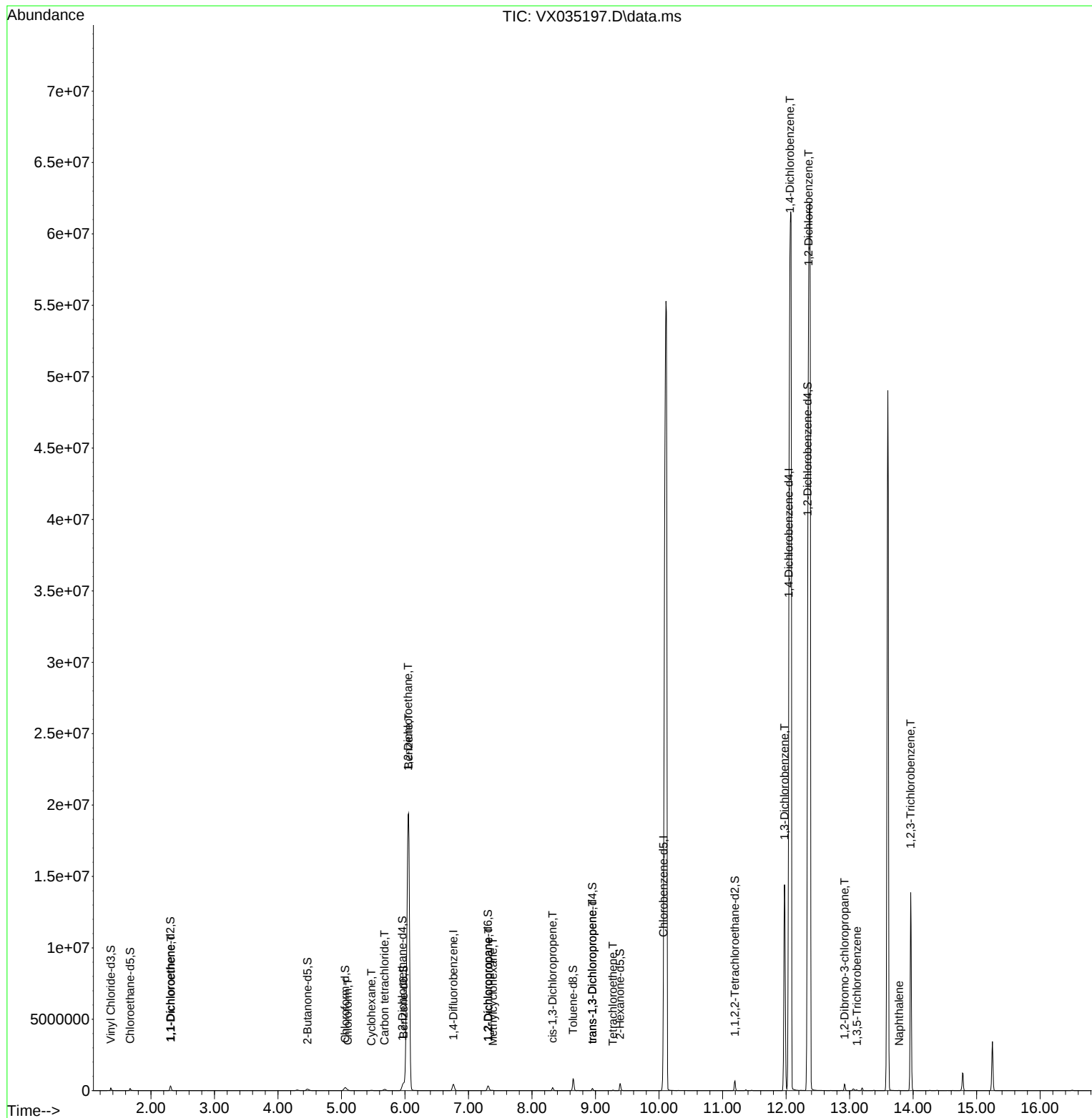
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
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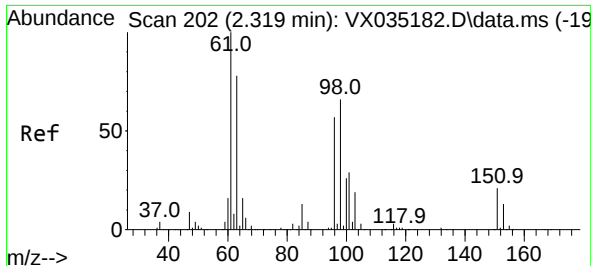
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#12

1,1-Dichloroethene

Concen: 0.563 ug/L

RT: 2.312 min Scan# 20

Delta R.T. -0.006 min

Lab File: VX035197.D

Acq: 20 Apr 2023 02:16

Instrument :

MSVOA_X

ClientSampleId :

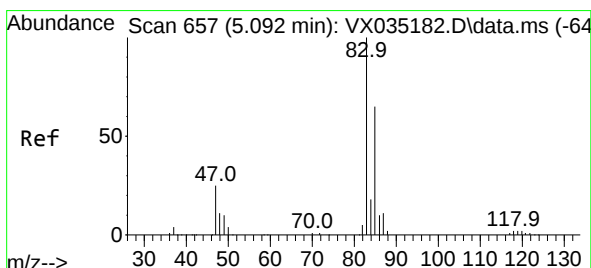
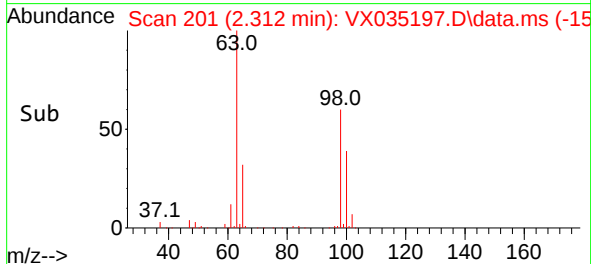
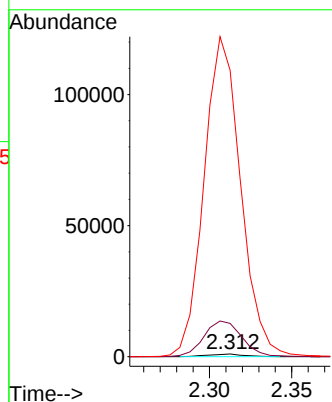
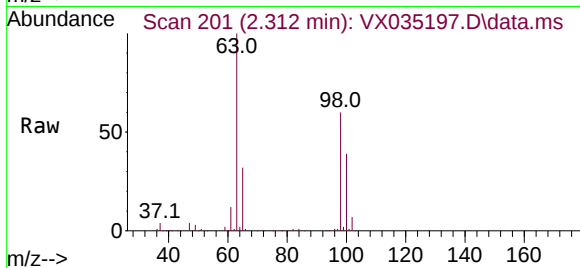
Tgt Ion: 96 Resp: 1532

Ion Ratio Lower Upper

96 100

61 1229.0 119.0 221.0#

63 10594.8 91.0 169.0#



#25

Chloroform

Concen: 7.975 ug/L

RT: 5.099 min Scan# 658

Delta R.T. 0.006 min

Lab File: VX035197.D

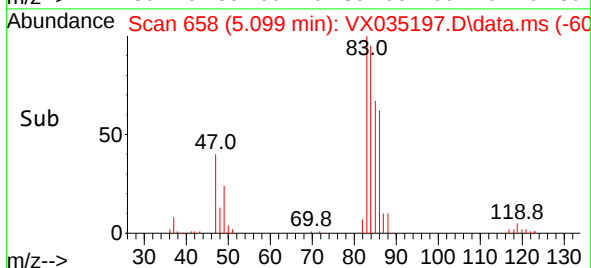
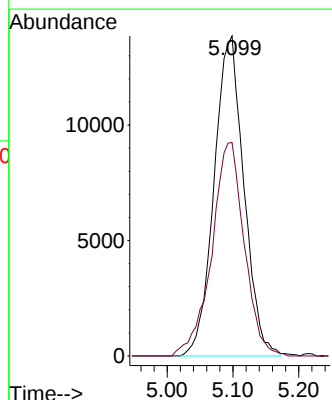
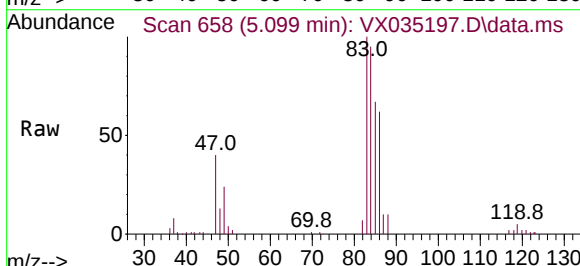
Acq: 20 Apr 2023 02:16

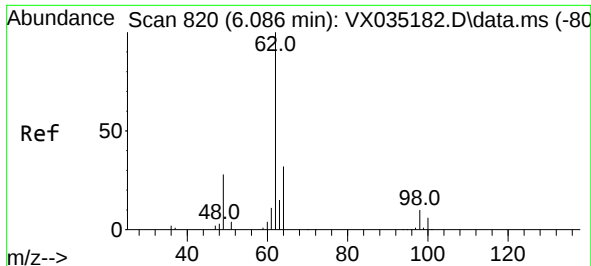
Tgt Ion: 83 Resp: 43666

Ion Ratio Lower Upper

83 100

85 66.7 46.0 85.4





#27

1,2-Dichloroethane

Concen: 58.419 ug/L

RT: 6.050 min Scan# 814

Delta R.T. -0.037 min

Lab File: VX035197.D

Acq: 20 Apr 2023 02:16

Instrument :

MSVOA_X

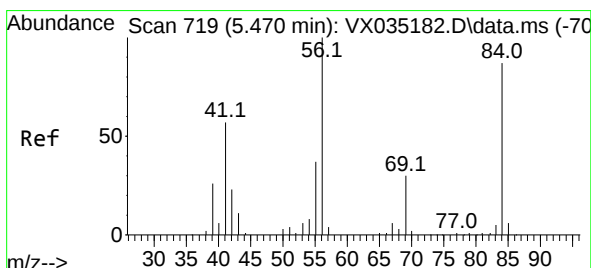
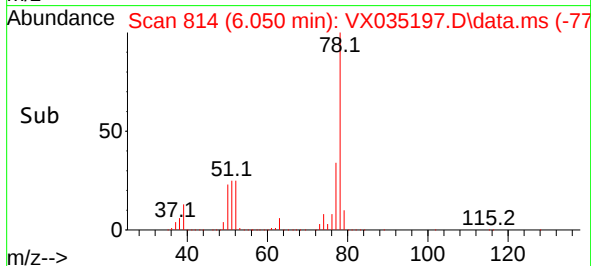
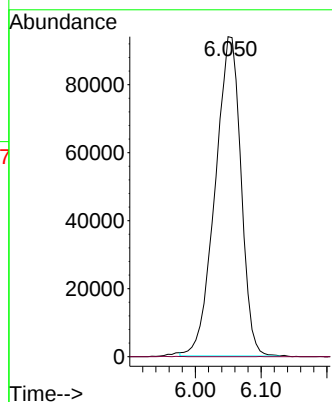
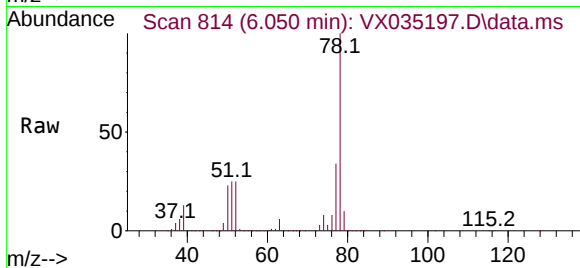
ClientSampleId :

Tgt Ion: 62 Resp: 256186

Ion Ratio Lower Upper

62 100

98 0.0 7.8 11.8#



#29

Cyclohexane

Concen: 3.971 ug/L

RT: 5.470 min Scan# 719

Delta R.T. 0.000 min

Lab File: VX035197.D

Acq: 20 Apr 2023 02:16

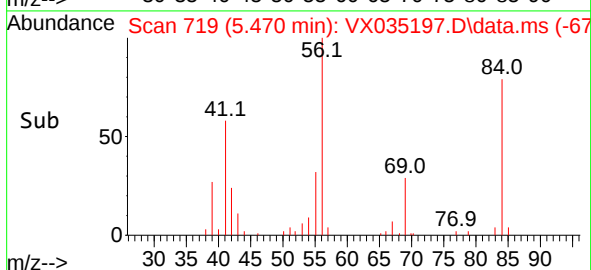
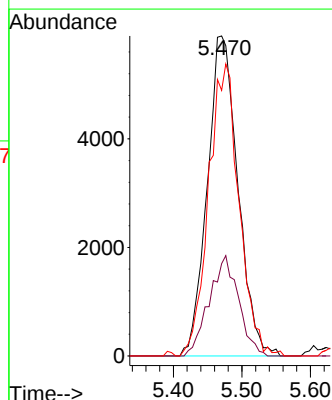
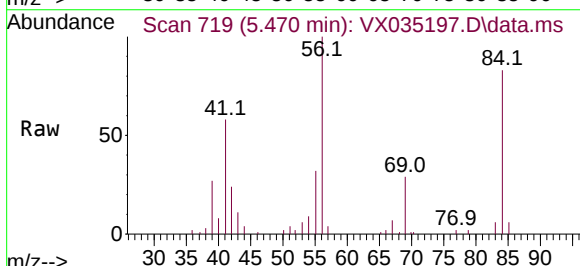
Tgt Ion: 56 Resp: 18332

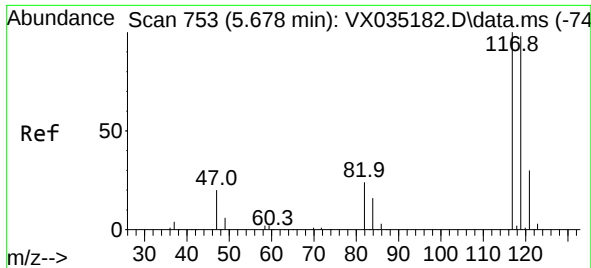
Ion Ratio Lower Upper

56 100

69 30.0 25.1 37.7

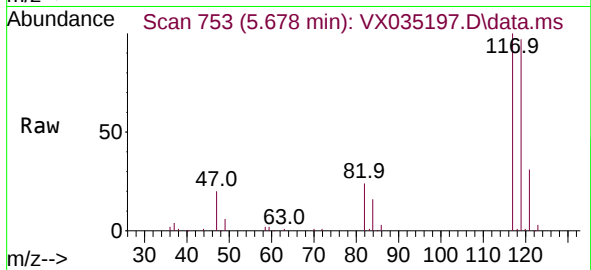
84 89.7 70.1 105.1



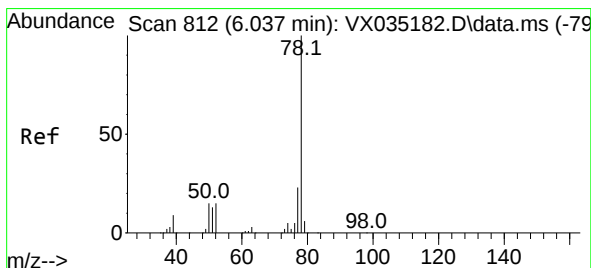
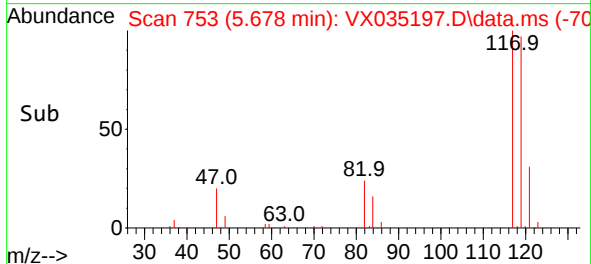
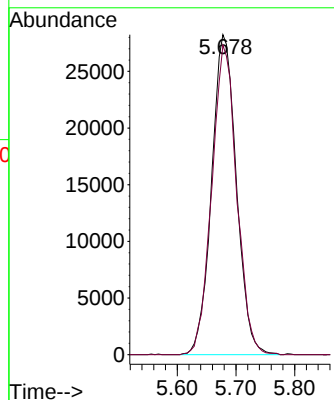


#31
Carbon tetrachloride
Concen: 21.771 ug/L
RT: 5.678 min Scan# 711
Delta R.T. 0.000 min
Lab File: VX035197.D
Acq: 20 Apr 2023 02:16

Instrument :
MSVOA_X
ClientSampleId :

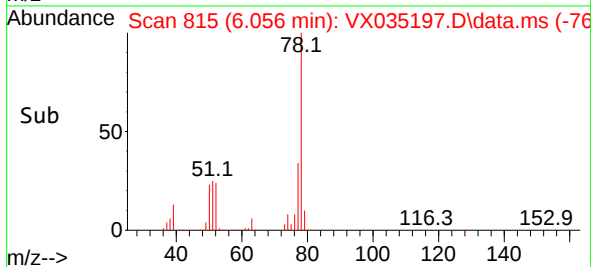
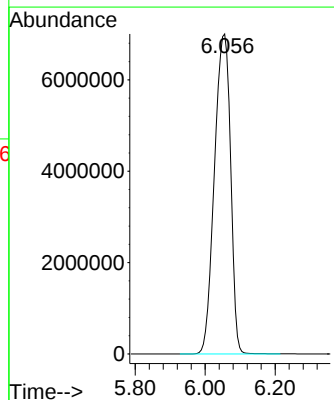
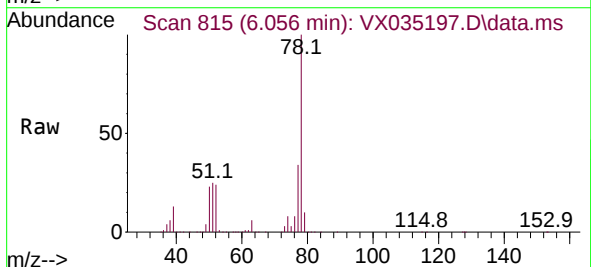


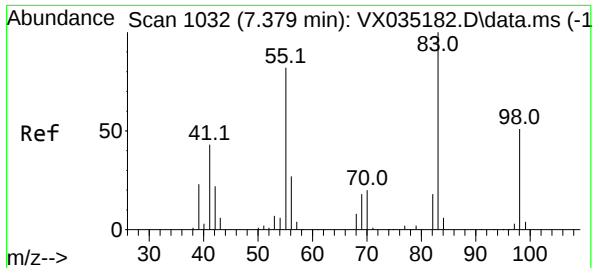
Tgt Ion:117 Resp: 82722
Ion Ratio Lower Upper
117 100
119 97.2 77.1 115.7



#33
Benzene
Concen: 1940.153 ug/L
RT: 6.056 min Scan# 815
Delta R.T. 0.018 min
Lab File: VX035197.D
Acq: 20 Apr 2023 02:16

Tgt Ion: 78 Resp:22447542

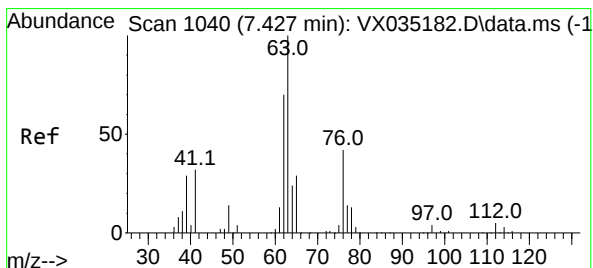
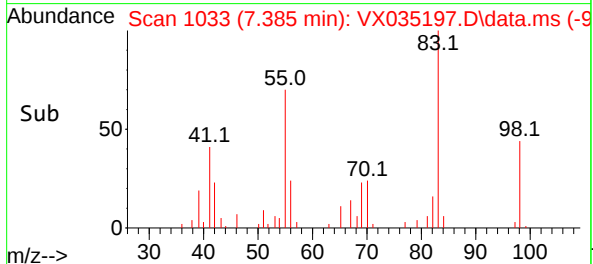
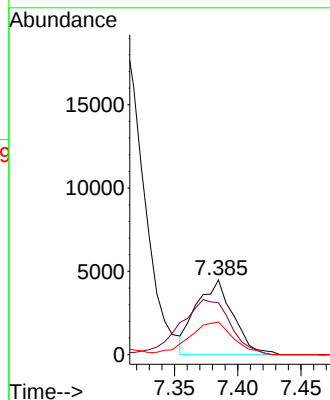
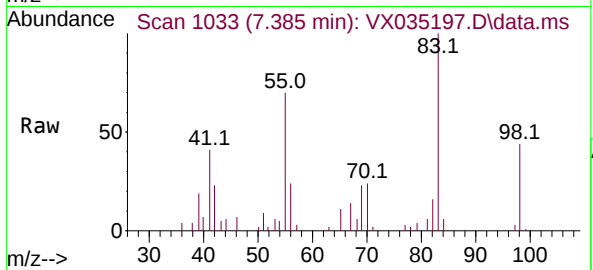




#35
Methylcyclohexane
Concen: 2.183 ug/L
RT: 7.385 min Scan# 1021
Delta R.T. 0.006 min
Lab File: VX035197.D
Acq: 20 Apr 2023 02:16

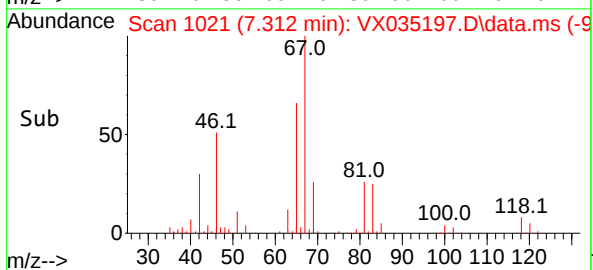
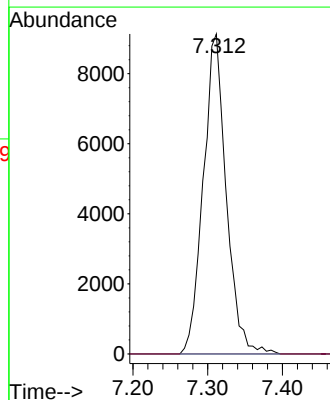
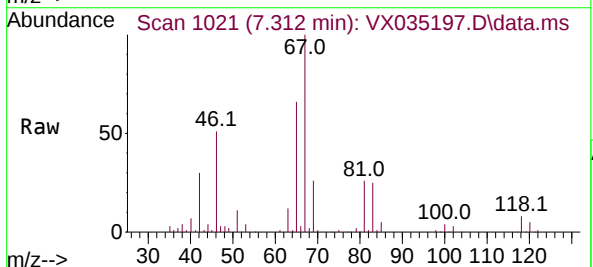
Instrument :
MSVOA_X
ClientSampleId :

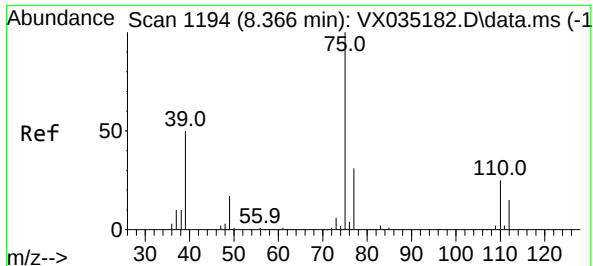
Tgt Ion: 83 Resp: 9048
Ion Ratio Lower Upper
83 100
55 101.8 62.2 93.2#
98 52.4 39.3 58.9



#37
1,2-Dichloropropane
Concen: 6.415 ug/L
RT: 7.312 min Scan# 1021
Delta R.T. -0.116 min
Lab File: VX035197.D
Acq: 20 Apr 2023 02:16

Tgt Ion: 63 Resp: 19540
Ion Ratio Lower Upper
63 100
112 0.0 3.7 5.5#





#39

cis-1,3-Dichloropropene

Concen: 1.062 ug/L

RT: 8.324 min Scan# 1194

Delta R.T. -0.043 min

Lab File: VX035197.D

Acq: 20 Apr 2023 02:16

Instrument :

MSVOA_X

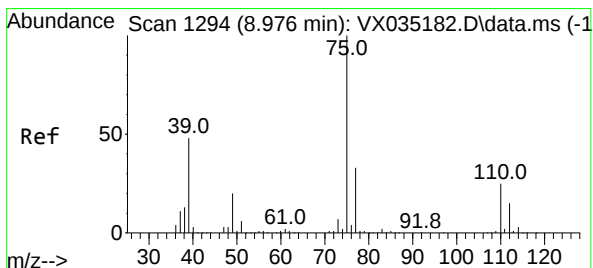
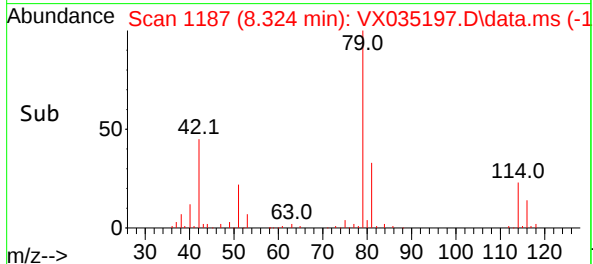
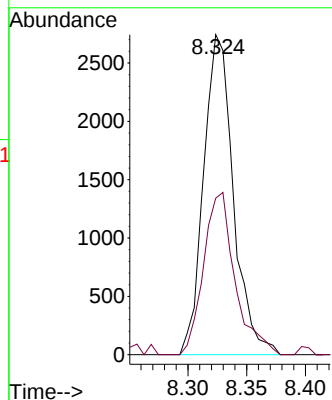
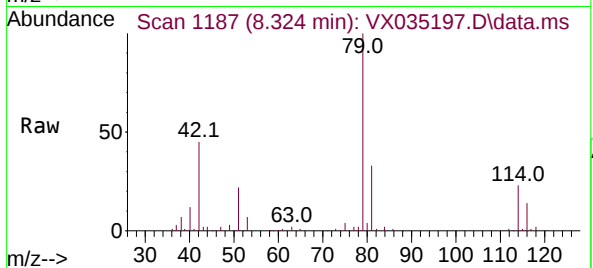
ClientSampleId :

Tgt Ion: 75 Resp: 4836

Ion Ratio Lower Upper

75 100

77 48.9 21.4 39.8#



#44

trans-1,3-Dichloropropene

Concen: 0.762 ug/L

RT: 8.952 min Scan# 1290

Delta R.T. -0.024 min

Lab File: VX035197.D

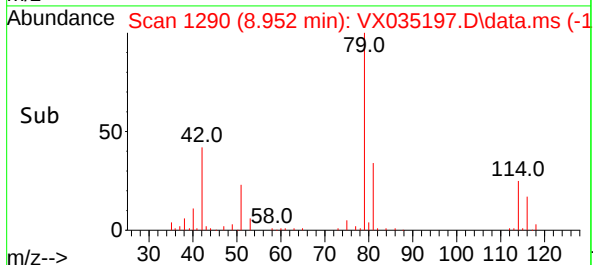
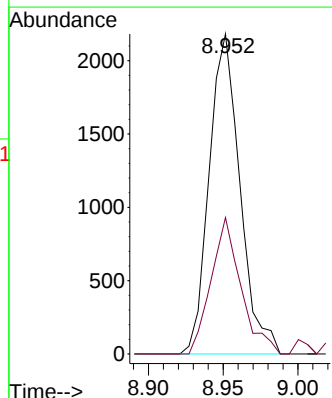
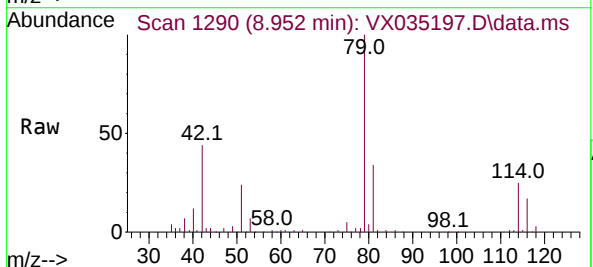
Acq: 20 Apr 2023 02:16

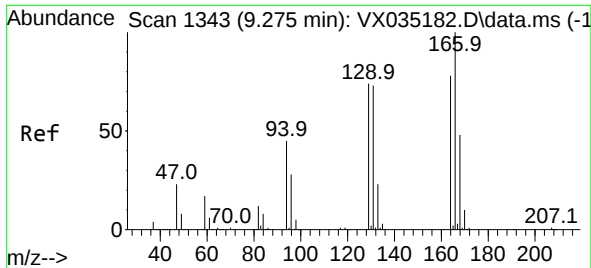
Tgt Ion: 75 Resp: 3128

Ion Ratio Lower Upper

75 100

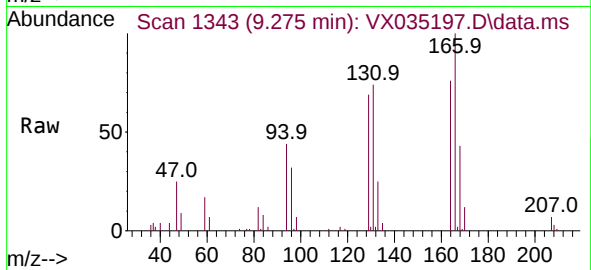
77 42.7 22.0 40.8#



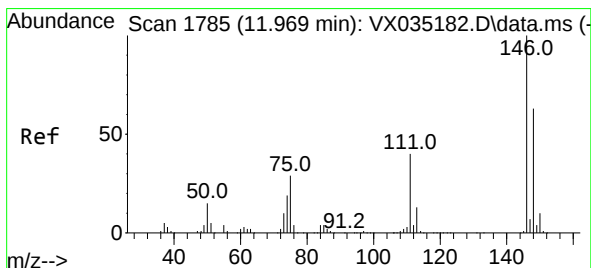
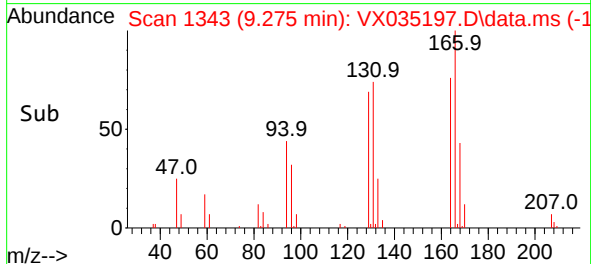
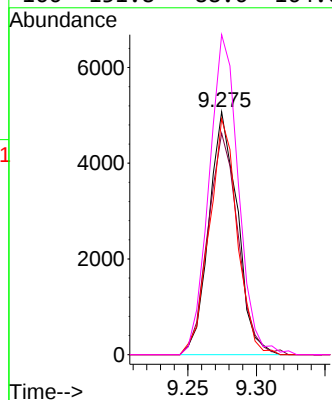


#46
Tetrachloroethene
Concen: 3.196 ug/L
RT: 9.275 min Scan# 11
Delta R.T. 0.000 min
Lab File: VX035197.D
Acq: 20 Apr 2023 02:16

Instrument :
MSVOA_X
ClientSampleId :

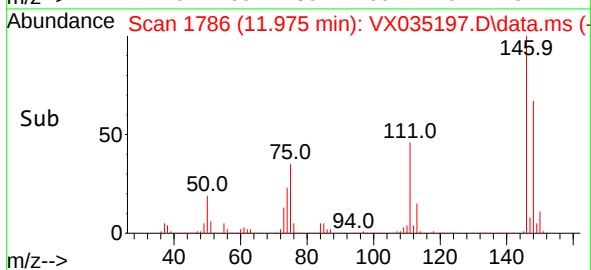
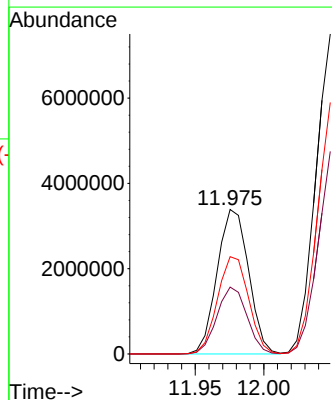
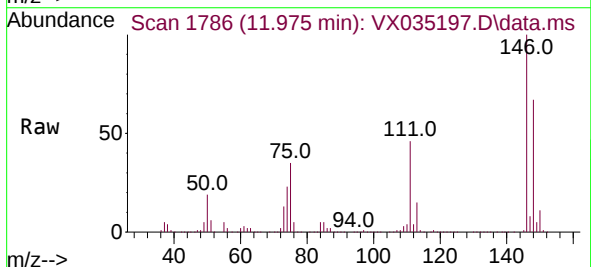


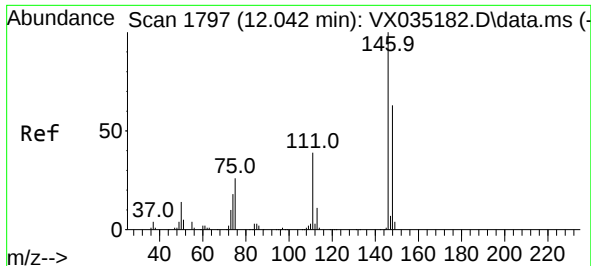
Tgt Ion:164 Resp: 7327
Ion Ratio Lower Upper
164 100
129 91.2 66.1 122.8
131 97.2 65.0 120.8
166 131.8 88.6 164.6



#64
1,3-Dichlorobenzene
Concen: 959.197 ug/L
RT: 11.975 min Scan# 1786
Delta R.T. 0.006 min
Lab File: VX035197.D
Acq: 20 Apr 2023 02:16

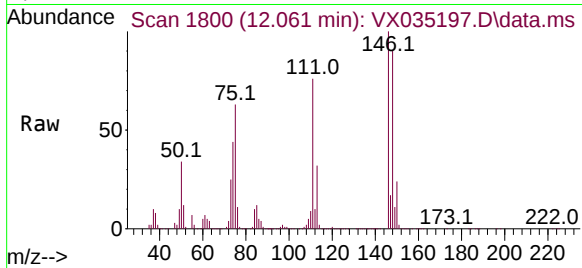
Tgt Ion:146 Resp: 5416916
Ion Ratio Lower Upper
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111 46.2 28.9 53.7
148 67.4 44.3 82.3



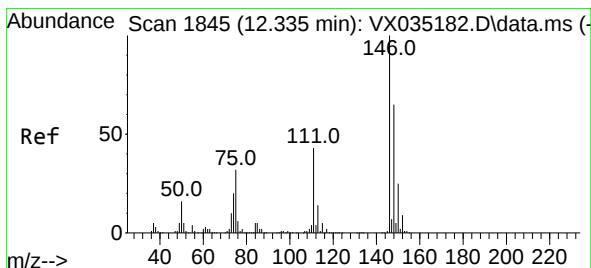
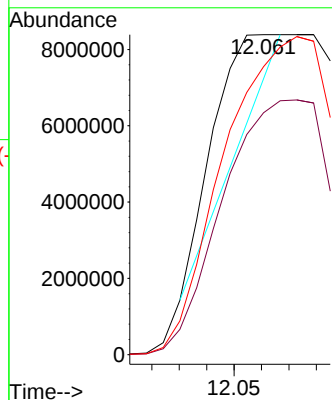
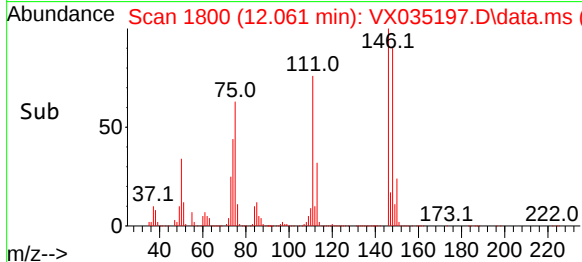


#65
1,4-Dichlorobenzene
Concen: 892.528 ug/L
RT: 12.061 min Scan# 1800
Delta R.T. 0.018 min
Lab File: VX035197.D
Acq: 20 Apr 2023 02:16

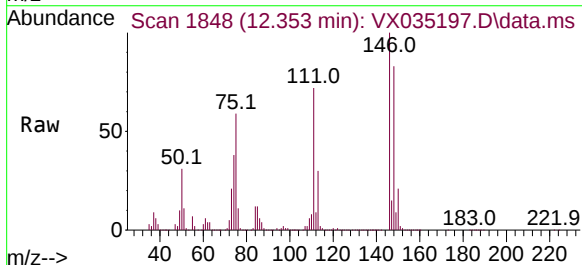
Instrument :
MSVOA_X
ClientSampleId :



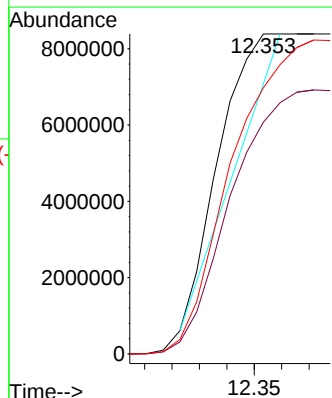
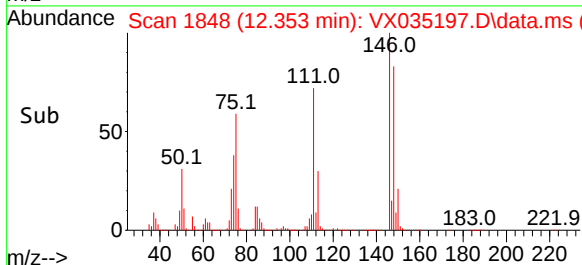
Tgt Ion:146 Resp: 5157687
Ion Ratio Lower Upper
146 100
111 75.6 27.9 51.7#
148 90.0 45.9 85.3#

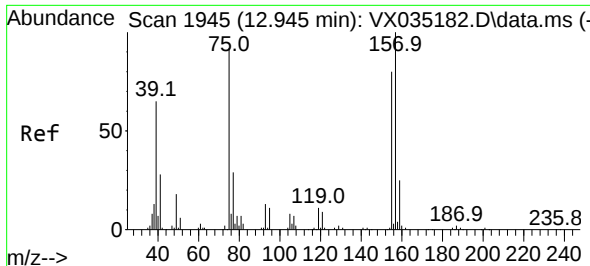


#67
1,2-Dichlorobenzene
Concen: 734.534 ug/L
RT: 12.353 min Scan# 1848
Delta R.T. 0.018 min
Lab File: VX035197.D
Acq: 20 Apr 2023 02:16



Tgt Ion:146 Resp: 4206056
Ion Ratio Lower Upper
146 100
111 72.5 34.7 52.1#
148 83.2 52.1 78.1#

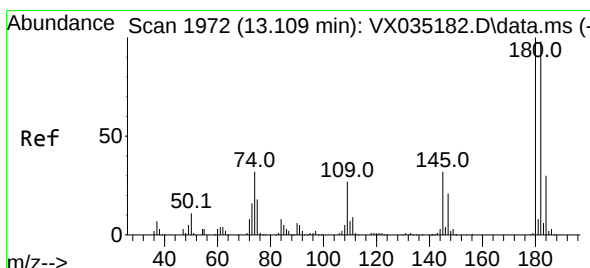
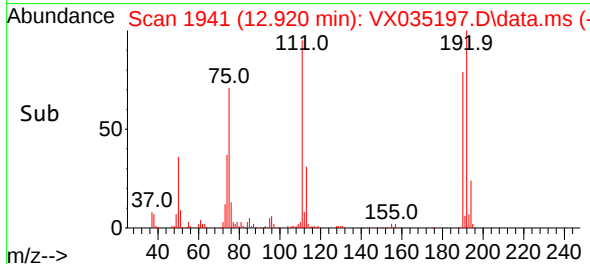
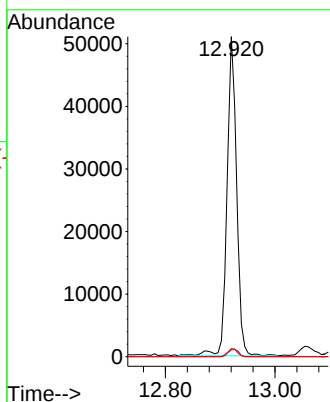
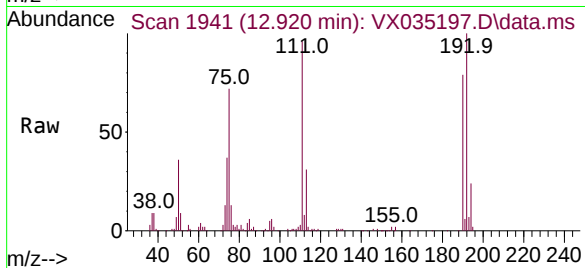




#68
 1,2-Dibromo-3-chloropropane
 Concen: 75.466 ug/L
 RT: 12.920 min Scan# 1941
 Delta R.T. -0.024 min
 Lab File: VX035197.D
 Acq: 20 Apr 2023 02:16

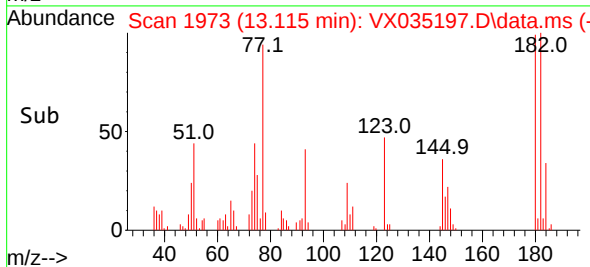
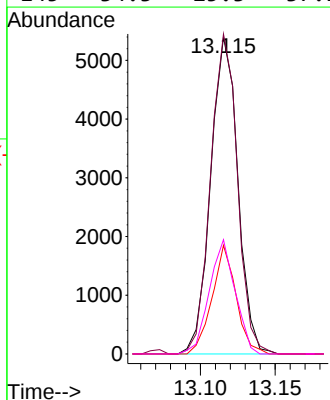
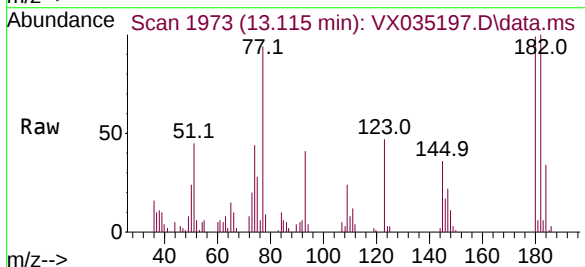
Instrument :
 MSVOA_X
 ClientSampleId :

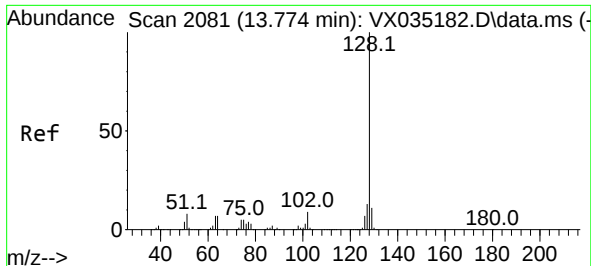
Tgt Ion: 75 Resp: 62607
 Ion Ratio Lower Upper
 75 100
 155 2.5 69.9 104.9#
 157 2.1 90.4 135.6#



#69
 1,3,5-Trichlorobenzene
 Concen: 1.953 ug/L
 RT: 13.115 min Scan# 1973
 Delta R.T. 0.006 min
 Lab File: VX035197.D
 Acq: 20 Apr 2023 02:16

Tgt Ion: 180 Resp: 6818
 Ion Ratio Lower Upper
 180 100
 182 99.4 75.4 113.0
 184 30.4 23.8 35.8
 145 34.3 25.3 37.9

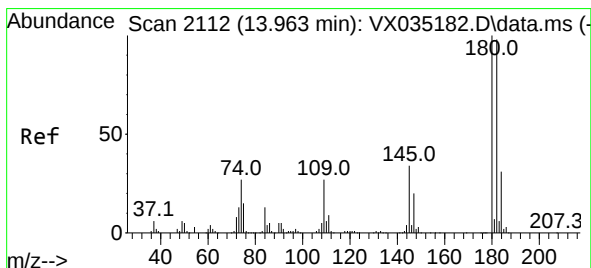
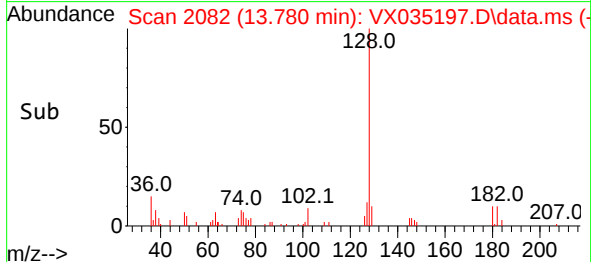
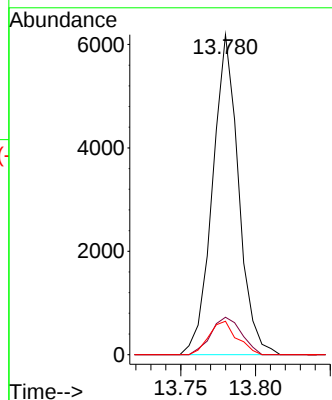
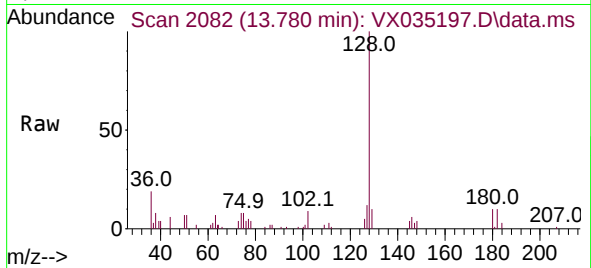




#71
Naphthalene
Concen: 0.644 ug/L
RT: 13.780 min Scan# 2081
Delta R.T. 0.006 min
Lab File: VX035197.D
Acq: 20 Apr 2023 02:16

Instrument :
MSVOA_X
ClientSampleId :

Tgt Ion:128	Resp:	7496
Ion Ratio	Lower	Upper
128	100	
127	13.8	10.2 15.4
129	11.2	8.9 13.3



#72
1,2,3-Trichlorobenzene
Concen: 979.393 ug/L
RT: 13.963 min Scan# 2112
Delta R.T. 0.000 min
Lab File: VX035197.D
Acq: 20 Apr 2023 02:16

Tgt Ion:180	Resp:	3160777
Ion Ratio	Lower	Upper
180	100	
182	95.1	75.0 112.6
145	36.1	27.1 40.7

