

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX041823\
 Data File : VX035146.D
 Acq On : 19 Apr 2023 00:34
 Operator : JC/MD
 Sample : 02397-10
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 45 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 COMM2

Quant Time: Apr 19 01:39:36 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\SFAMXML041823WMA.M
 Quant Title : VOC Analysis
 QLast Update : Wed Apr 19 01:27:01 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	6.763	114	483083	50.000	ug/L	0.00
28) Chlorobenzene-d5	10.079	117	365334	50.000	ug/L	0.02
58) 1,4-Dichlorobenzene-d4	12.036	152	199155	50.000	ug/L	# 0.01
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.367	65	161893	51.974	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	= 103.940%	
7) Chloroethane-d5	1.672	69	124898	55.490	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	= 110.980%	
11) 1,1-Dichloroethene-d2	2.306	65	80702	54.147	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	= 108.300%	
21) 2-Butanone-d5	4.458	46	230923	111.247	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	= 111.250%	
24) Chloroform-d	5.056	84	317816	54.179	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	= 108.360%	
26) 1,2-Dichloroethane-d4	5.958	65	213517	56.681	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	= 113.360%	
32) Benzene-d6	5.976	84	689778	65.727	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	= 131.460%#	
36) 1,2-Dichloropropane-d6	7.305	67	212021	66.138	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	= 132.280%#	
41) Toluene-d8	8.646	98	621915	64.841	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	= 129.680%#	
43) trans-1,3-Dichloroprop...	8.951	79	88572	63.222	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	= 126.440%#	
47) 2-Hexanone-d5	9.390	63	175326	136.193	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	= 136.190%#	
56) 1,1,2,2-Tetrachloroeth...	11.195	84	252580	64.335	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	= 128.680%#	
66) 1,2-Dichlorobenzene-d4	12.341	152	187411	48.560	ug/L	0.02
Spiked Amount	50.000	Range	80 - 120	Recovery	= 97.120%	
Target Compounds						
					Qvalue	
10) 1,1,2-Trichloro-1,2,2-...	2.306	101	2280	0.721	ug/L #	19
12) 1,1-Dichloroethene	2.306	96	1838	0.637	ug/L #	1
27) 1,2-Dichloroethane	6.049	62	199518	42.886	ug/L #	73
29) Cyclohexane	5.470	56	44134	9.998	ug/L	99
31) Carbon tetrachloride	5.677	117	12010	3.306	ug/L	99
33) Benzene	6.049	78	18988201	1716.266	ug/L	100
35) Methylcyclohexane	7.378	83	25094	6.331	ug/L #	76
39) cis-1,3-Dichloropropene	8.323	75	5533	1.270	ug/L #	60
42) Toluene	8.720	91	27109	2.362	ug/L	95
44) trans-1,3-Dichloropropene	8.951	75	3805	0.970	ug/L	93
46) Tetrachloroethene	9.274	164	2218	1.012	ug/L	93
49) Dibromochloromethane	9.274	129	2168	0.825	ug/L #	10
51) Chlorobenzene	10.341	112	7624	1.008	ug/L	96
53) m,p-Xylene	10.305	106	3692	0.760	ug/L	75
64) 1,3-Dichlorobenzene	11.981	146	9255865	1498.636	ug/L	86
65) 1,4-Dichlorobenzene	12.054	146	4080107	645.597	ug/L #	67
67) 1,2-Dichlorobenzene	12.353	146	4596007	733.907	ug/L #	63
68) 1,2-Dibromo-3-chloropr...	12.920	75	52747	58.137	ug/L #	2
69) 1,3,5-Trichlorobenzene	13.115	180	16344	4.281	ug/L	98

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Quant Title : VOC Analysis
QLast Update : Wed Apr 19 01:27:01 2023
Response via : Initial Calibration

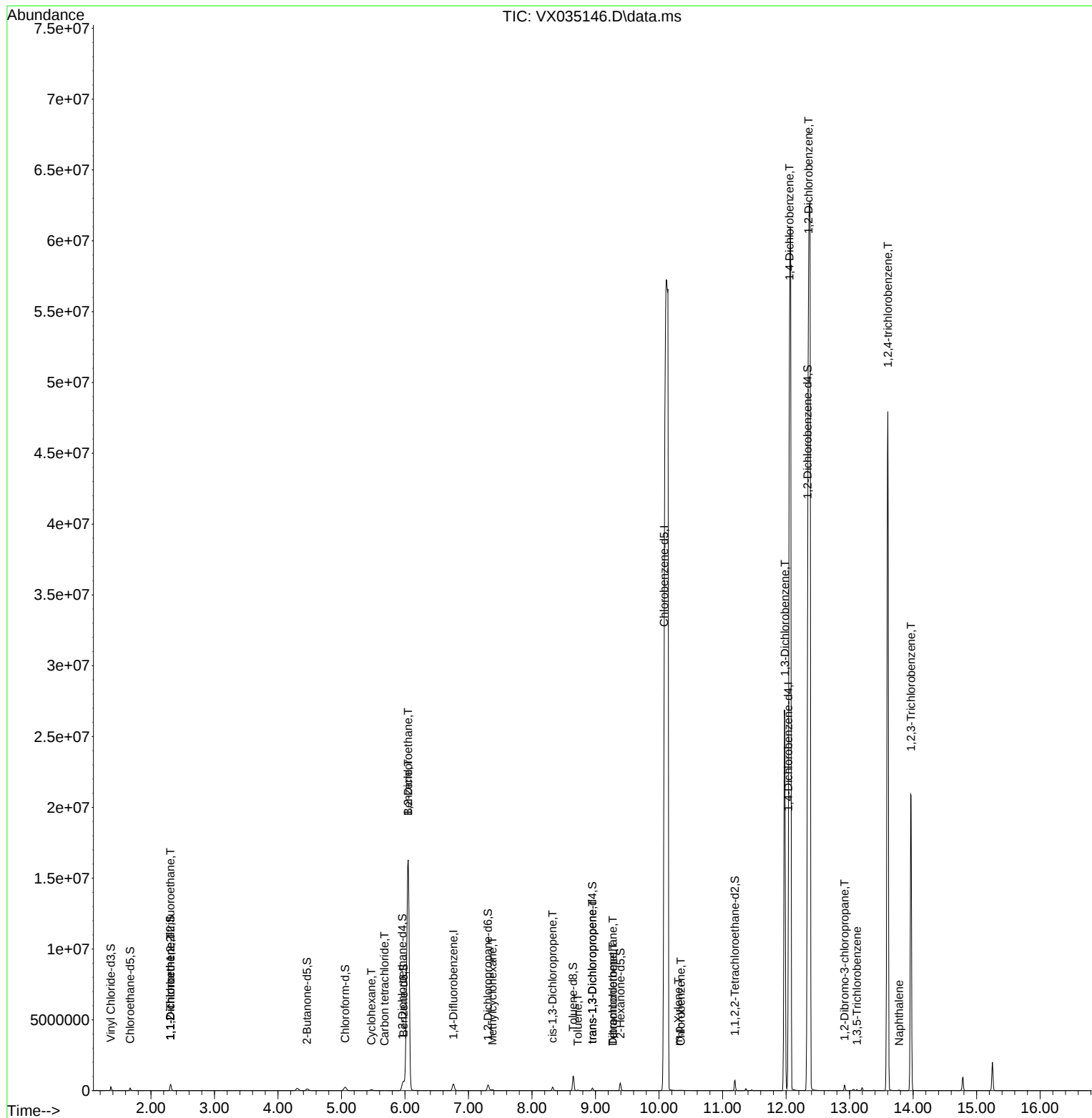
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
70) 1,2,4-trichlorobenzene	13.603	180	11751983	3287.054	ug/L #	95
71) Naphthalene	13.780	128	25576	2.008	ug/L	99
72) 1,2,3-Trichlorobenzene	13.969	180	5001881	1417.164	ug/L	96

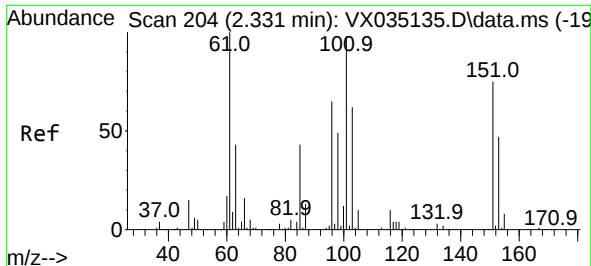
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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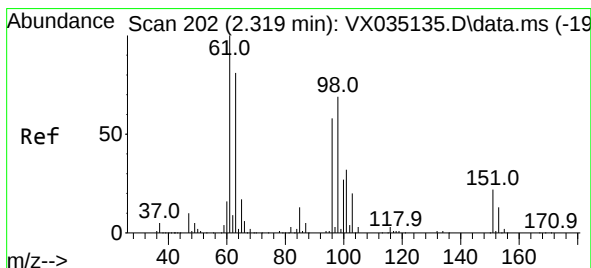
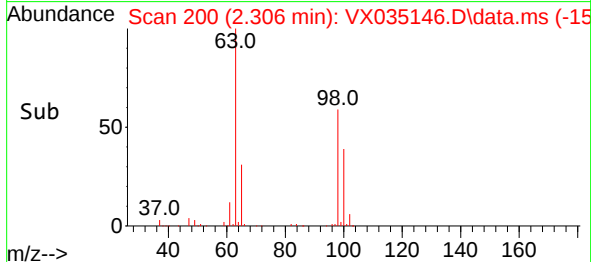
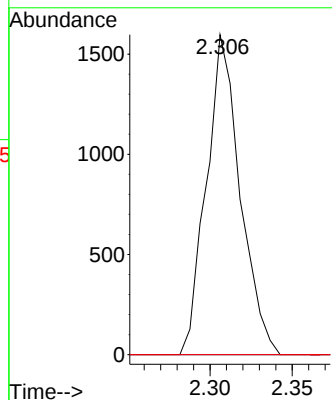
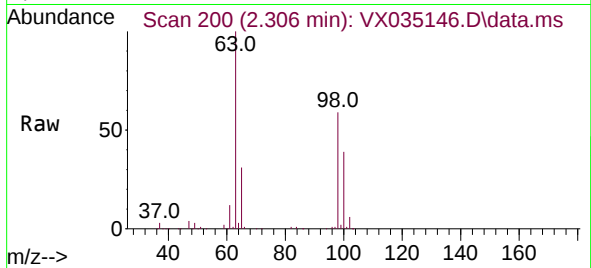




#10
1,1,2-Trichloro-1,2,2-trifluoroethane
Concen: 0.721 ug/L
RT: 2.306 min Scan# 200
Delta R.T. -0.025 min
Lab File: VX035146.D
Acq: 19 Apr 2023 00:34

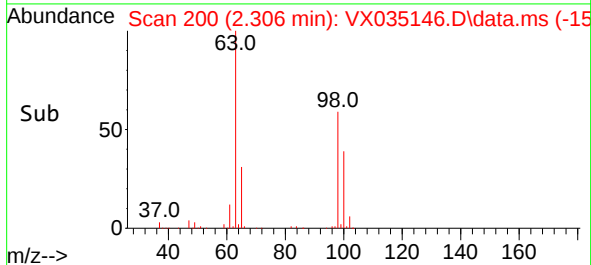
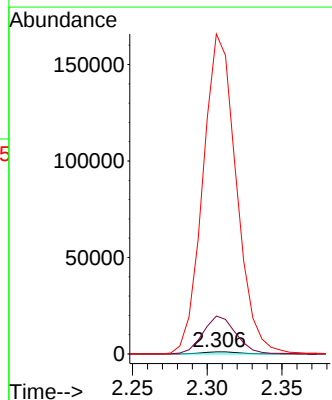
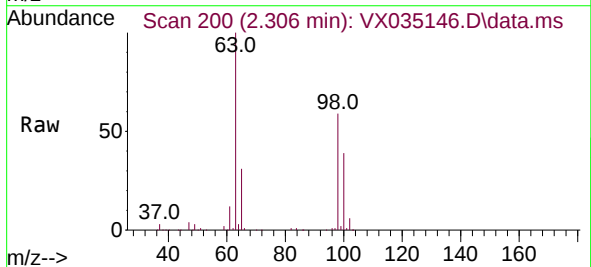
Instrument :
MSVOA_X
ClientSampleId :
COMM2

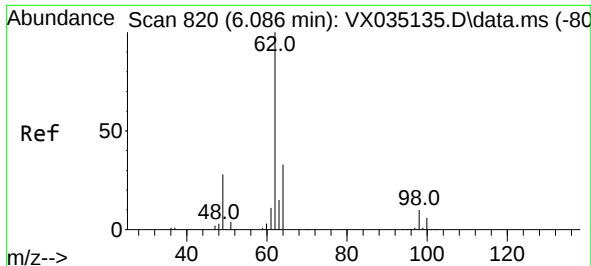
Tgt Ion:101 Resp: 2280
Ion Ratio Lower Upper
101 100
85 0.0 34.2 51.2#
151 0.0 61.1 91.7#



#12
1,1-Dichloroethene
Concen: 0.637 ug/L
RT: 2.306 min Scan# 200
Delta R.T. -0.013 min
Lab File: VX035146.D
Acq: 19 Apr 2023 00:34

Tgt Ion: 96 Resp: 1838
Ion Ratio Lower Upper
96 100
61 1846.4 119.0 221.0#
63 15570.3 91.0 169.0#

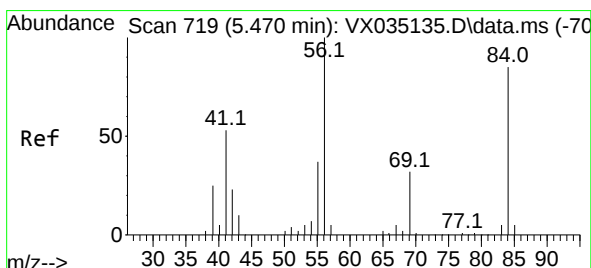
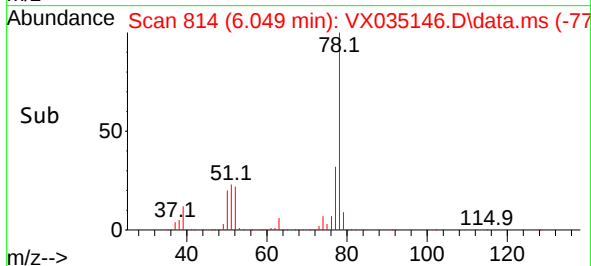
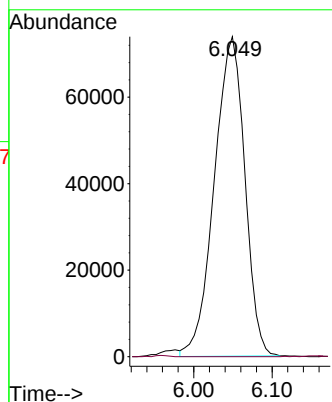
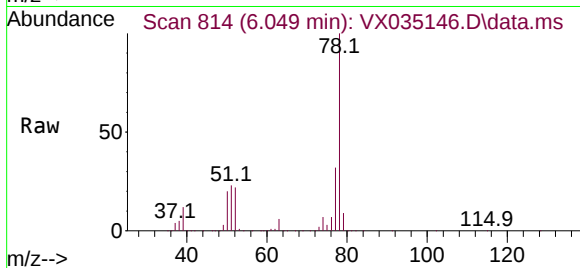




#27
1,2-Dichloroethane
Concen: 42.886 ug/L
RT: 6.049 min Scan# 814
Delta R.T. -0.037 min
Lab File: VX035146.D
Acq: 19 Apr 2023 00:34

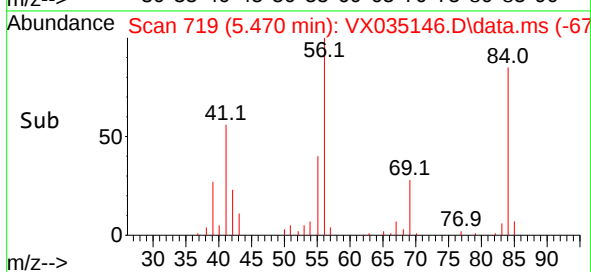
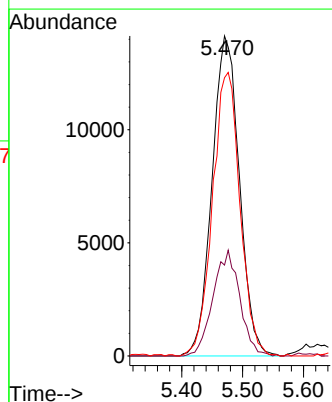
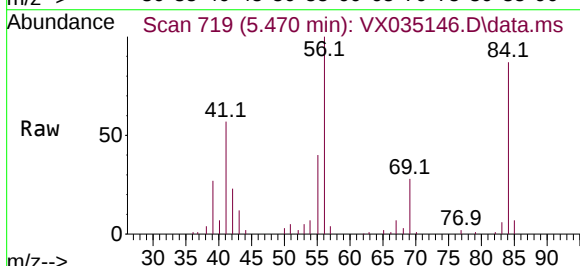
Instrument :
MSVOA_X
ClientSampleId :
COMM2

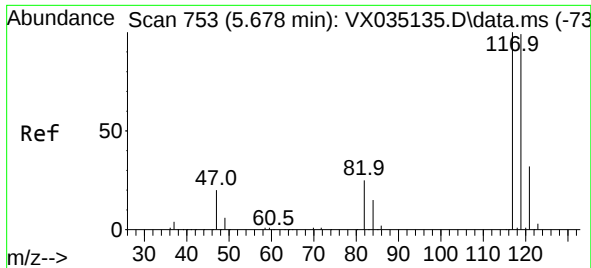
Tgt Ion: 62 Resp: 199518
Ion Ratio Lower Upper
62 100
98 0.0 7.8 11.8#



#29
Cyclohexane
Concen: 9.998 ug/L
RT: 5.470 min Scan# 719
Delta R.T. -0.000 min
Lab File: VX035146.D
Acq: 19 Apr 2023 00:34

Tgt Ion: 56 Resp: 44134
Ion Ratio Lower Upper
56 100
69 32.2 25.1 37.7
84 88.9 70.1 105.1

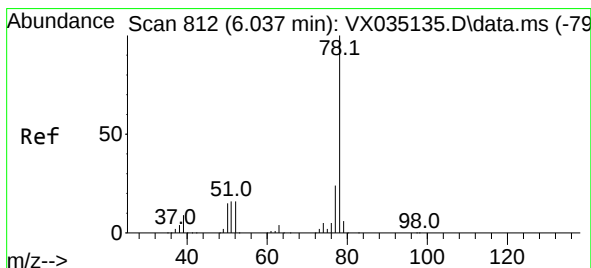
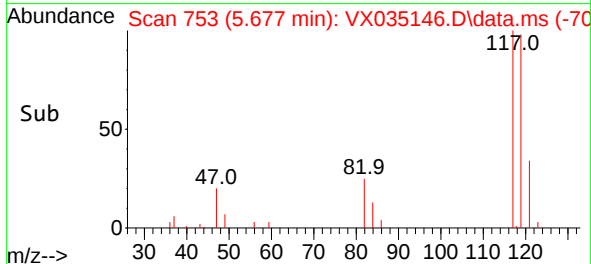
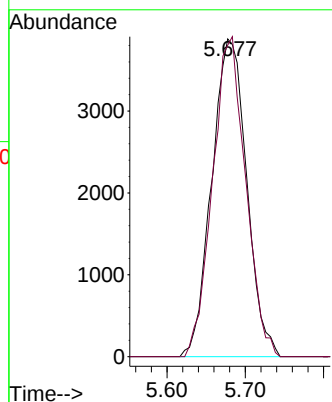
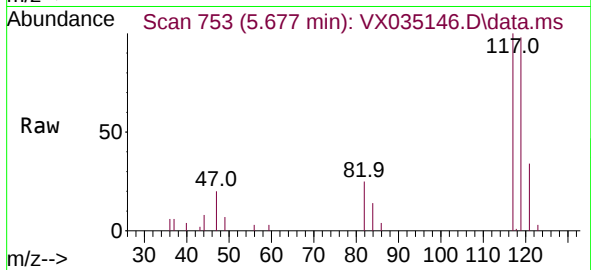




#31
Carbon tetrachloride
Concen: 3.306 ug/L
RT: 5.677 min Scan# 71
Delta R.T. -0.000 min
Lab File: VX035146.D
Acq: 19 Apr 2023 00:34

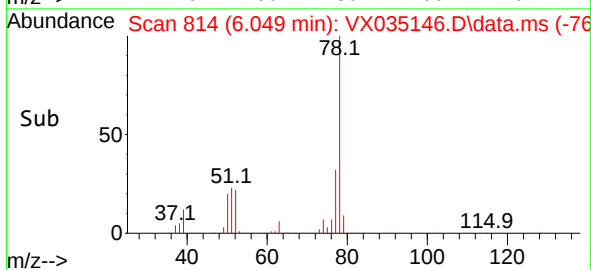
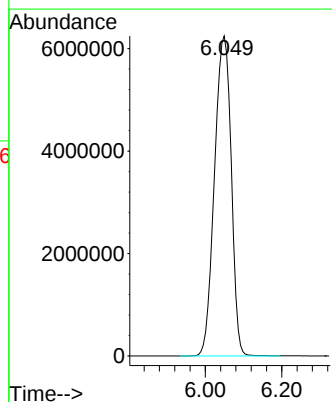
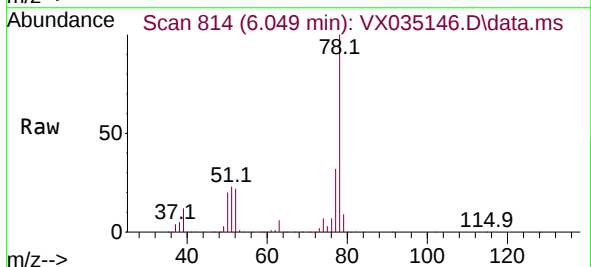
Instrument :
MSVOA_X
ClientSampleId :
COMM2

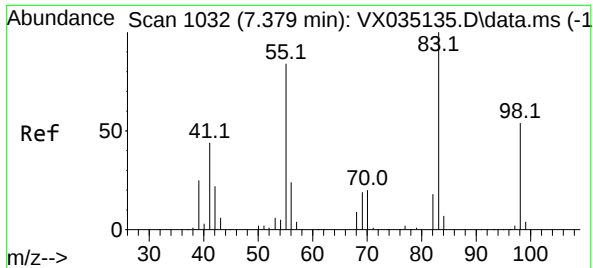
Tgt Ion:117 Resp: 12010
Ion Ratio Lower Upper
117 100
119 95.4 77.1 115.7



#33
Benzene
Concen: 1716.266 ug/L
RT: 6.049 min Scan# 814
Delta R.T. 0.012 min
Lab File: VX035146.D
Acq: 19 Apr 2023 00:34

Tgt Ion: 78 Resp:18988201

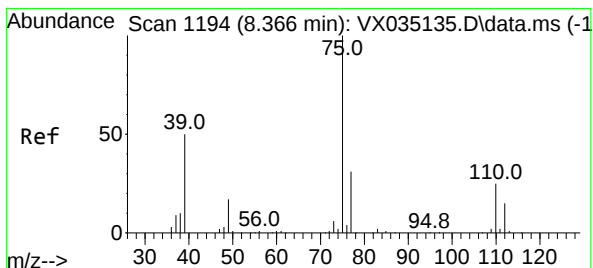
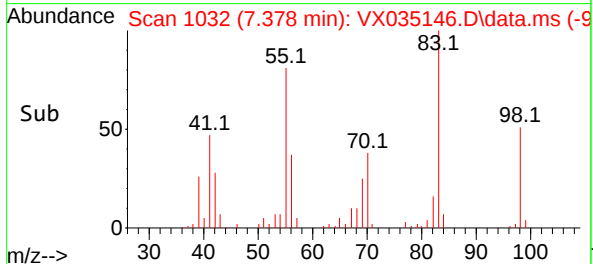
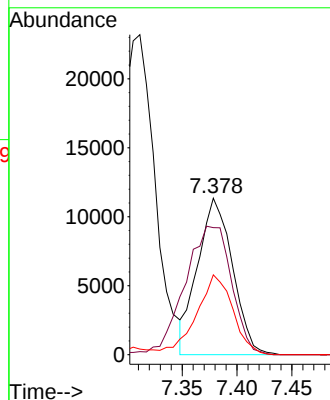
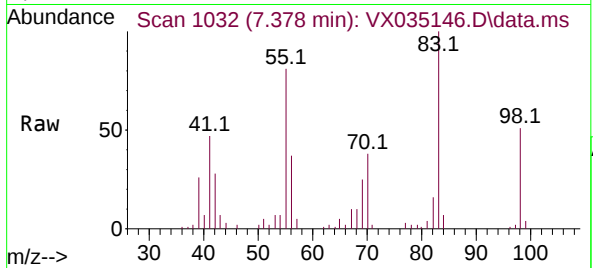




#35
Methylcyclohexane
Concen: 6.331 ug/L
RT: 7.378 min Scan# 1187
Delta R.T. -0.000 min
Lab File: VX035146.D
Acq: 19 Apr 2023 00:34

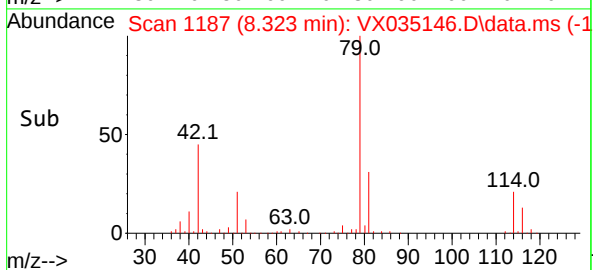
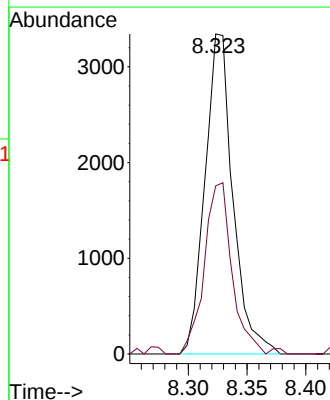
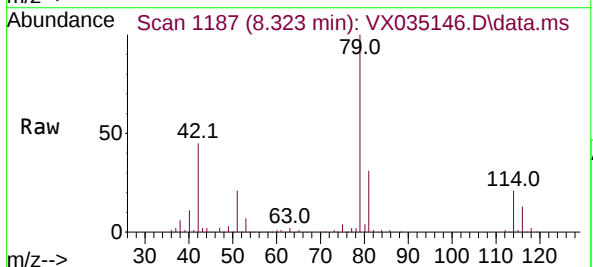
Instrument :
MSVOA_X
ClientSampleId :
COMM2

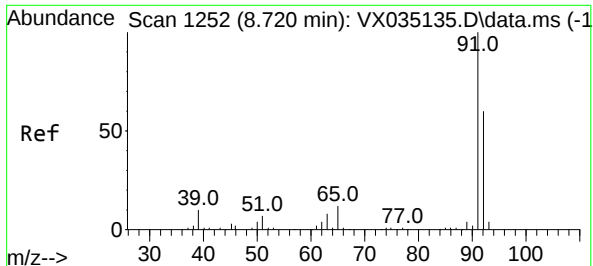
Tgt Ion: 83 Resp: 25094
Ion Ratio Lower Upper
83 100
55 109.0 62.2 93.2#
98 52.8 39.3 58.9



#39
cis-1,3-Dichloropropene
Concen: 1.270 ug/L
RT: 8.323 min Scan# 1187
Delta R.T. -0.043 min
Lab File: VX035146.D
Acq: 19 Apr 2023 00:34

Tgt Ion: 75 Resp: 5533
Ion Ratio Lower Upper
75 100
77 52.6 21.4 39.8#





#42

Toluene

Concen: 2.362 ug/L

RT: 8.720 min Scan# 11

Delta R.T. -0.000 min

Lab File: VX035146.D

Acq: 19 Apr 2023 00:34

Instrument :

MSVOA_X

ClientSampleId :

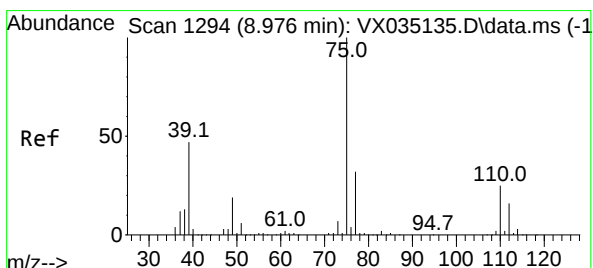
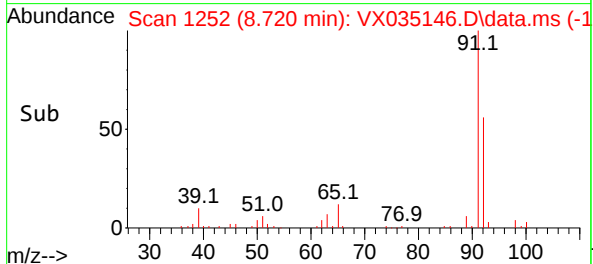
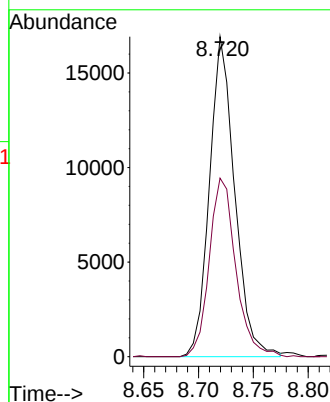
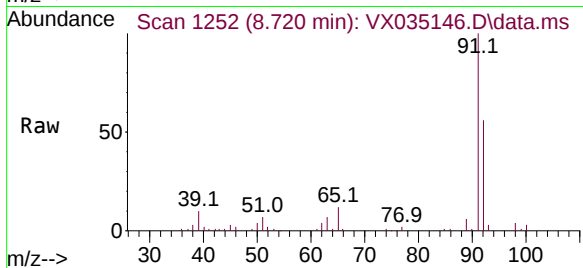
COMM2

Tgt Ion: 91 Resp: 27109

Ion Ratio Lower Upper

91 100

92 55.8 41.7 77.5



#44

trans-1,3-Dichloropropene

Concen: 0.970 ug/L

RT: 8.951 min Scan# 1290

Delta R.T. -0.025 min

Lab File: VX035146.D

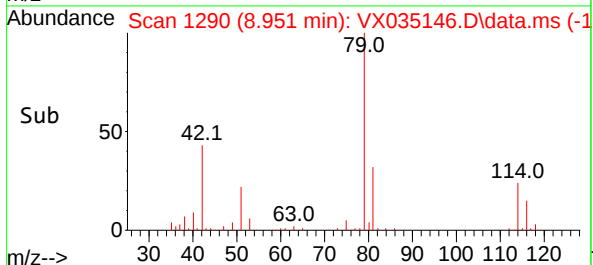
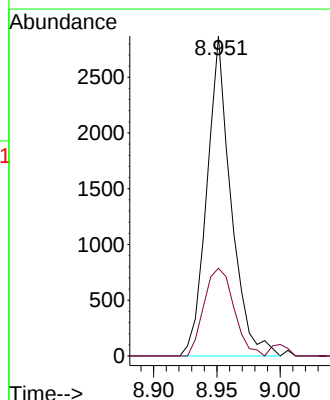
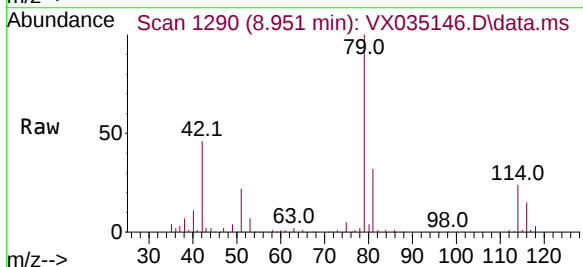
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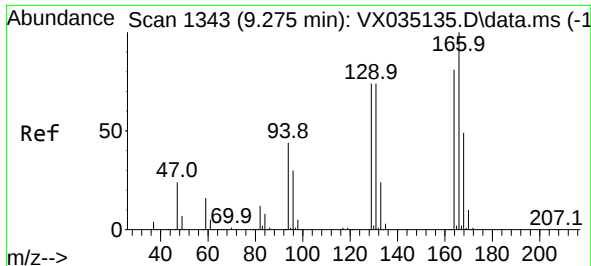
Tgt Ion: 75 Resp: 3805

Ion Ratio Lower Upper

75 100

77 27.4 22.0 40.8



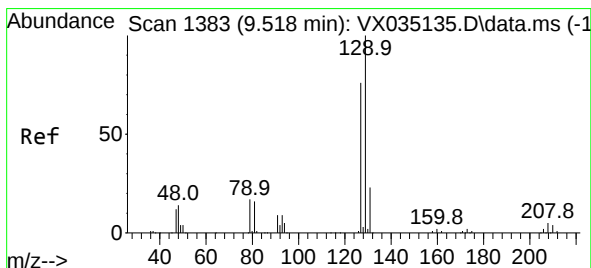
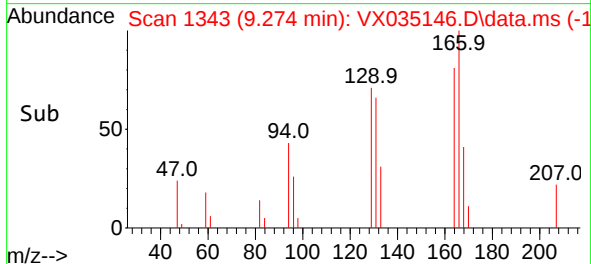
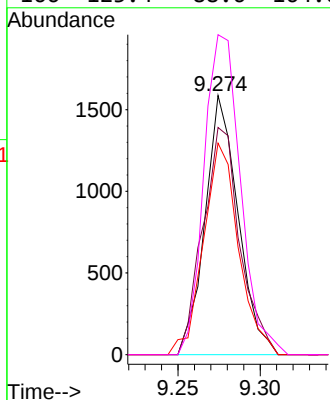
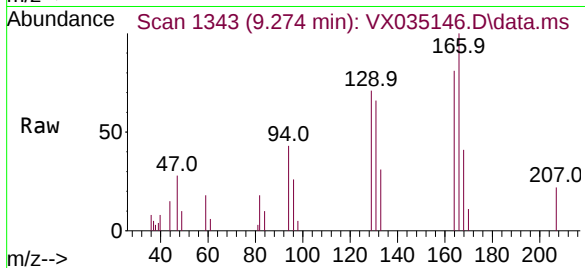


#46
Tetrachloroethene
Concen: 1.012 ug/L
RT: 9.274 min Scan# 1343
Delta R.T. -0.000 min
Lab File: VX035146.D
Acq: 19 Apr 2023 00:34

Instrument :
MSVOA_X
ClientSampleId :
COMM2

Tgt Ion:164 Resp: 2218

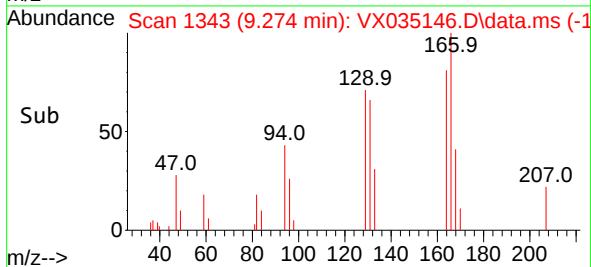
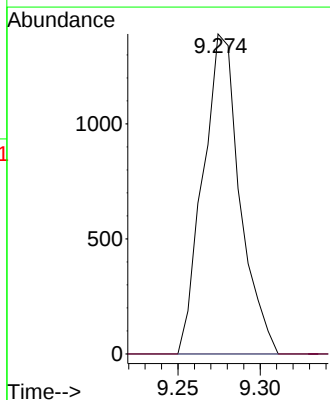
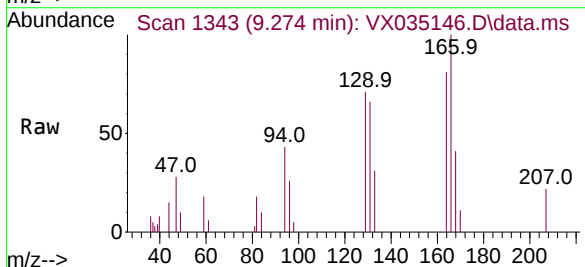
Ion	Ratio	Lower	Upper
164	100		
129	87.6	66.1	122.8
131	81.6	65.0	120.8
166	123.4	88.6	164.6

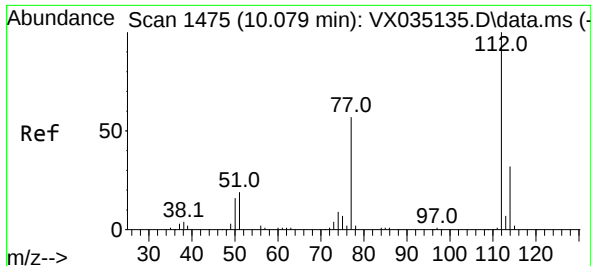


#49
Dibromochloromethane
Concen: 0.825 ug/L
RT: 9.274 min Scan# 1343
Delta R.T. -0.244 min
Lab File: VX035146.D
Acq: 19 Apr 2023 00:34

Tgt Ion:129 Resp: 2168

Ion	Ratio	Lower	Upper
129	100		
127	0.0	54.8	101.8#

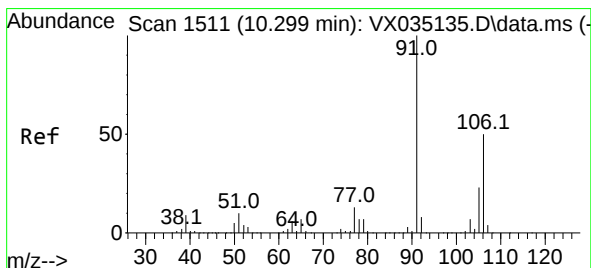
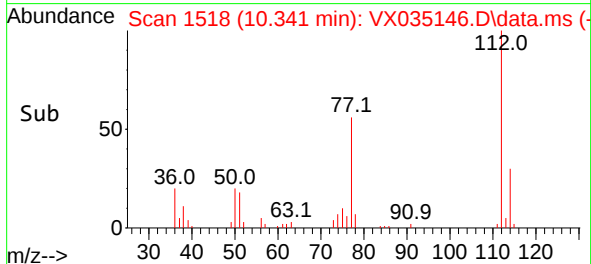
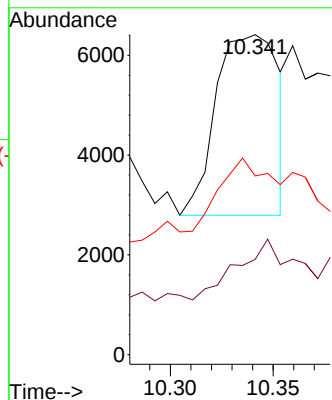
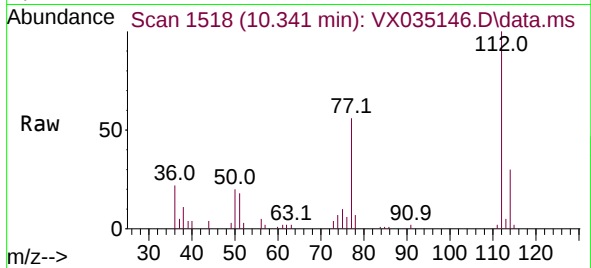




#51
Chlorobenzene
Concen: 1.008 ug/L
RT: 10.341 min Scan# 1518
Delta R.T. 0.262 min
Lab File: VX035146.D
Acq: 19 Apr 2023 00:34

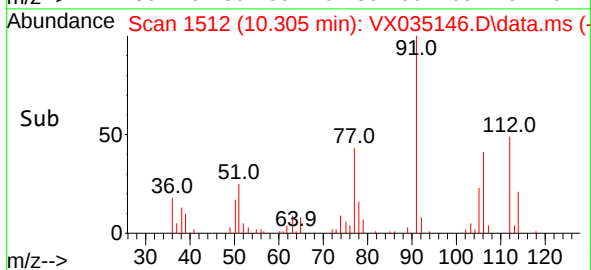
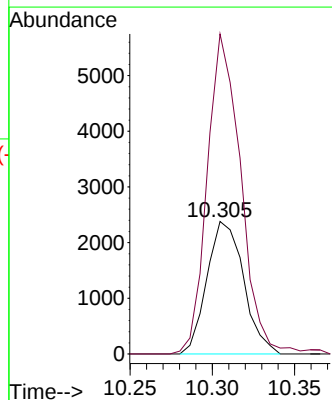
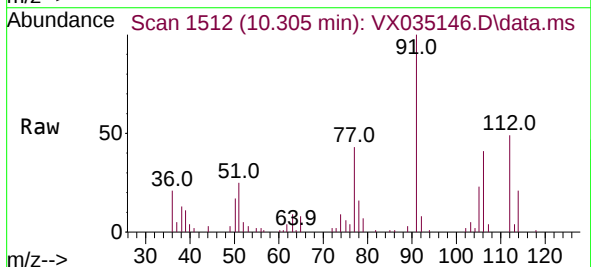
Instrument :
MSVOA_X
ClientSampleId :
COMM2

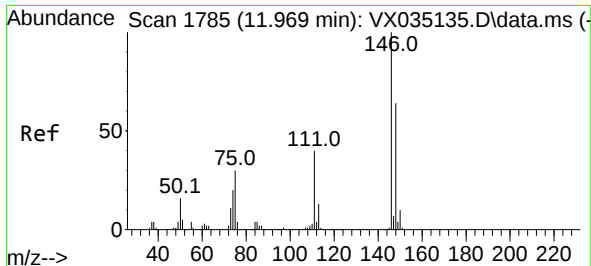
Tgt Ion:112 Resp: 7624
Ion Ratio Lower Upper
112 100
114 29.7 22.4 41.6
77 55.9 47.0 70.6



#53
m,p-Xylene
Concen: 0.760 ug/L
RT: 10.305 min Scan# 1512
Delta R.T. 0.006 min
Lab File: VX035146.D
Acq: 19 Apr 2023 00:34

Tgt Ion:106 Resp: 3692
Ion Ratio Lower Upper
106 100
91 241.6 142.7 264.9

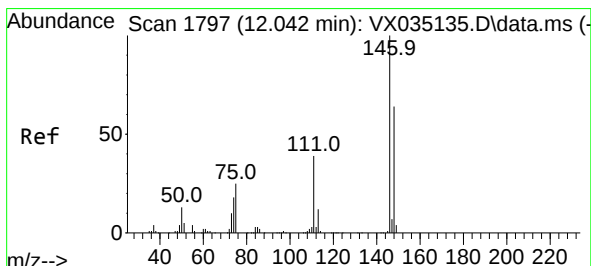
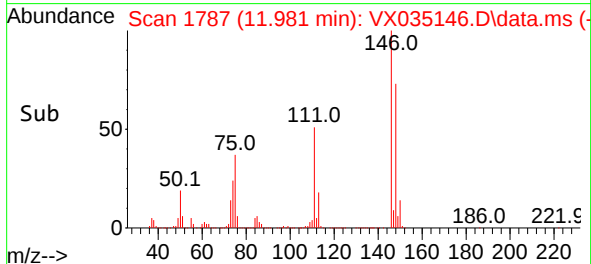
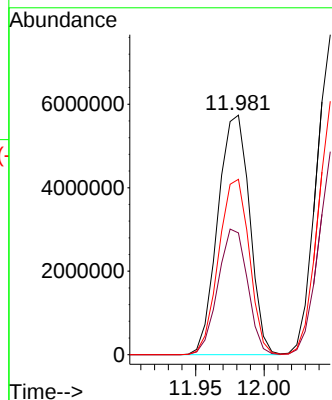
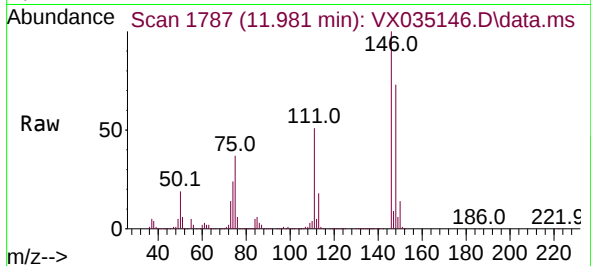




#64
1,3-Dichlorobenzene
Concen: 1498.636 ug/L
RT: 11.981 min Scan# 1787
Delta R.T. 0.012 min
Lab File: VX035146.D
Acq: 19 Apr 2023 00:34

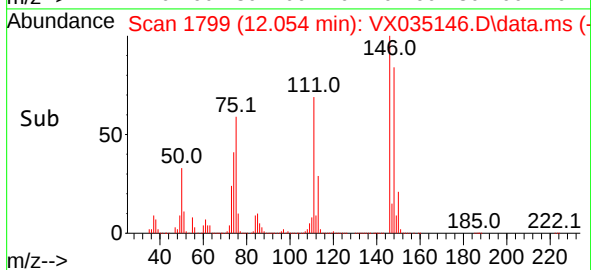
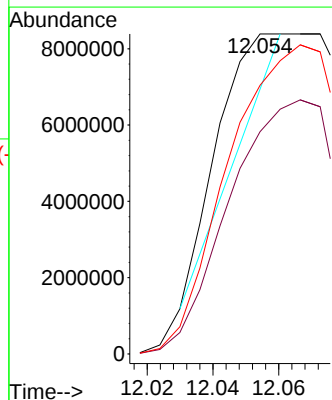
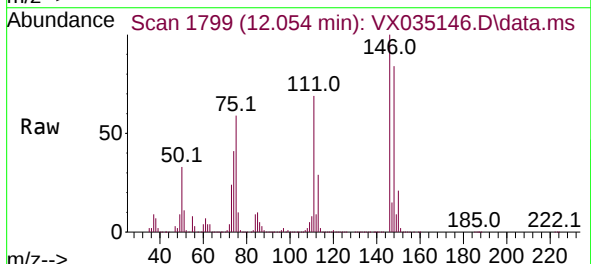
Instrument :
MSVOA_X
ClientSampleId :
COMM2

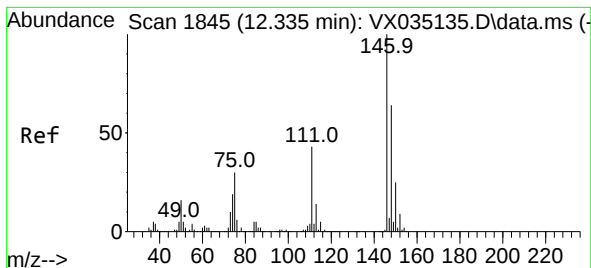
Tgt Ion:146 Resp: 9255865
Ion Ratio Lower Upper
146 100
111 50.8 28.9 53.7
148 73.2 44.3 82.3



#65
1,4-Dichlorobenzene
Concen: 645.597 ug/L
RT: 12.054 min Scan# 1799
Delta R.T. 0.012 min
Lab File: VX035146.D
Acq: 19 Apr 2023 00:34

Tgt Ion:146 Resp: 4080107
Ion Ratio Lower Upper
146 100
111 69.4 27.9 51.7#
148 84.0 45.9 85.3





#67

1,2-Dichlorobenzene

Concen: 733.907 ug/L

RT: 12.353 min Scan# 1845

Delta R.T. 0.018 min

Lab File: VX035146.D

Acq: 19 Apr 2023 00:34

Instrument :

MSVOA_X

ClientSampleId :

COMM2

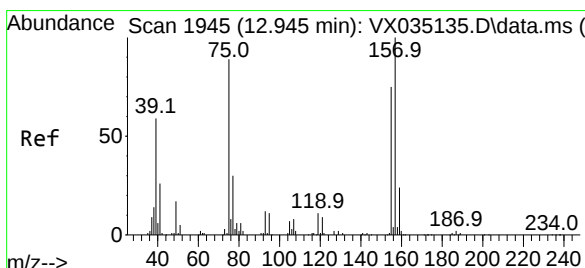
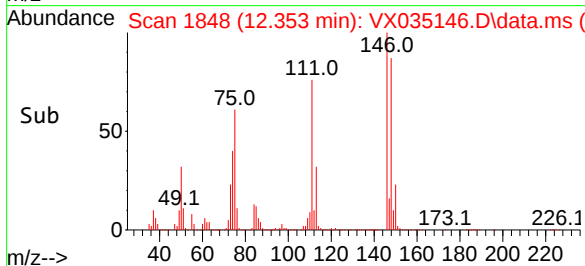
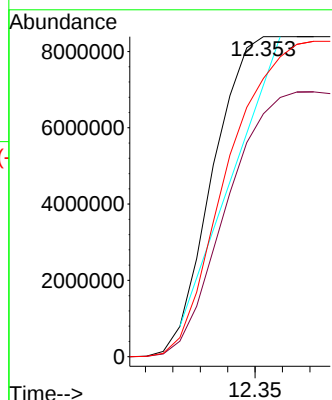
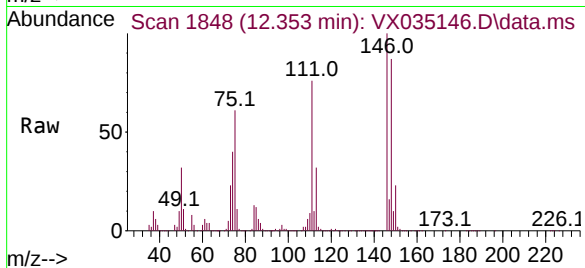
Tgt Ion:146 Resp: 4596007

Ion Ratio Lower Upper

146 100

111 75.9 34.7 52.1#

148 86.9 52.1 78.1#



#68

1,2-Dibromo-3-chloropropane

Concen: 58.137 ug/L

RT: 12.920 min Scan# 1941

Delta R.T. -0.025 min

Lab File: VX035146.D

Acq: 19 Apr 2023 00:34

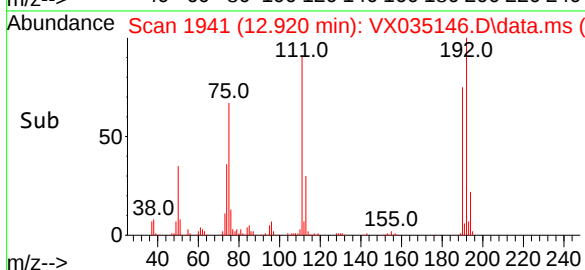
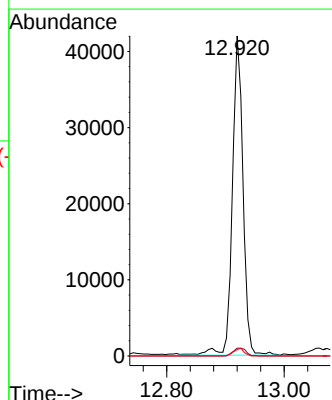
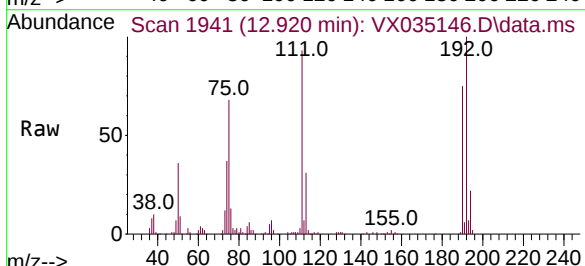
Tgt Ion: 75 Resp: 52747

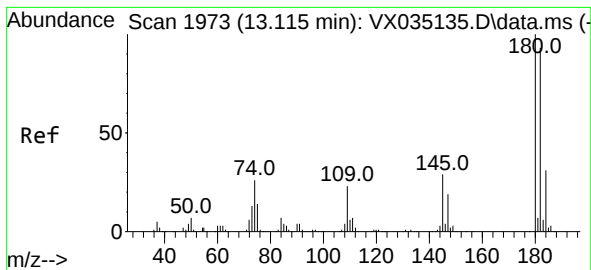
Ion Ratio Lower Upper

75 100

155 2.4 69.9 104.9#

157 1.9 90.4 135.6#

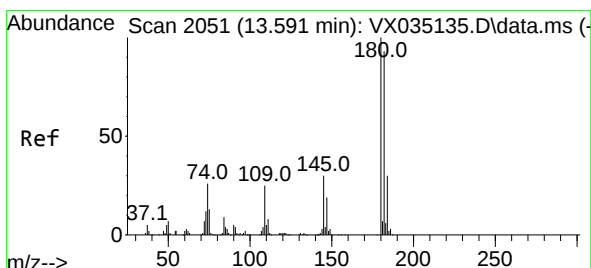
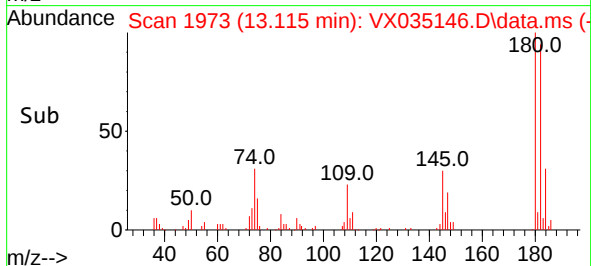
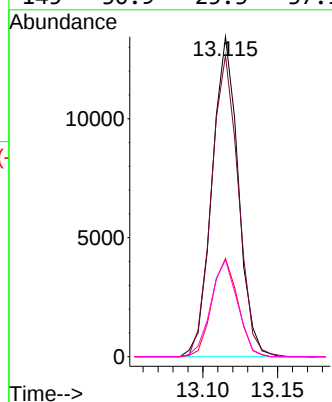
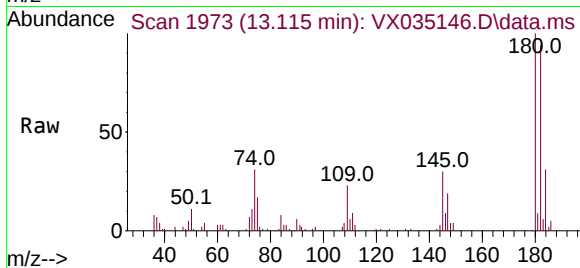




#69
1,3,5-Trichlorobenzene
Concen: 4.281 ug/L
RT: 13.115 min Scan# 1973
Delta R.T. -0.000 min
Lab File: VX035146.D
Acq: 19 Apr 2023 00:34

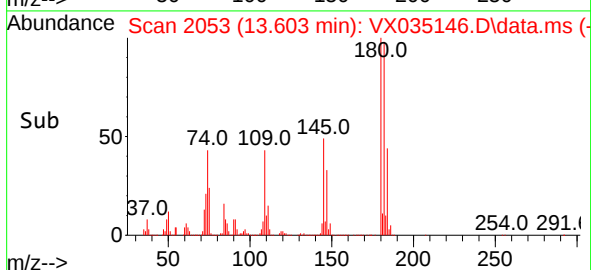
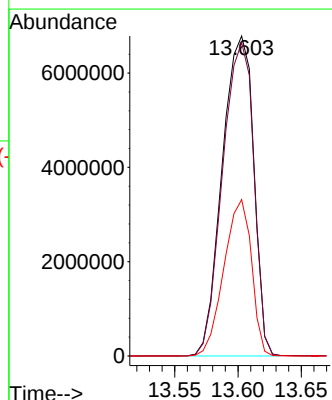
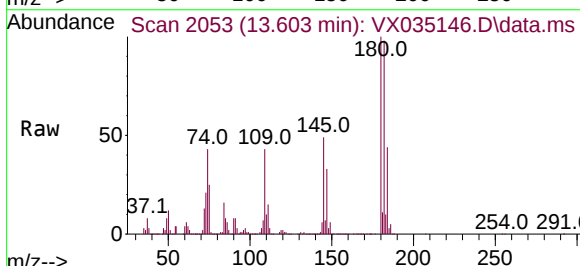
Instrument :
MSVOA_X
ClientSampleId :
COMM2

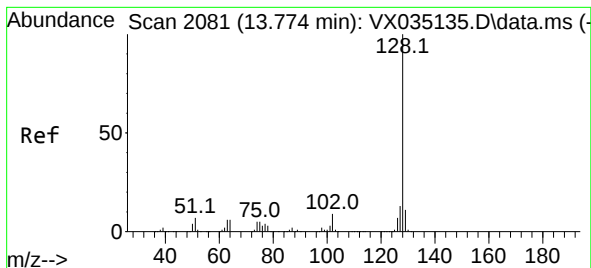
Tgt Ion:180	Resp:	16344
Ion Ratio	Lower	Upper
180	100	
182	96.7	75.4 113.0
184	30.5	23.8 35.8
145	30.9	25.3 37.9



#70
1,2,4-trichlorobenzene
Concen: 3287.054 ug/L
RT: 13.603 min Scan# 2053
Delta R.T. 0.012 min
Lab File: VX035146.D
Acq: 19 Apr 2023 00:34

Tgt Ion:180	Resp:	11751983
Ion Ratio	Lower	Upper
180	100	
182	96.6	76.6 114.8
145	42.8	26.2 39.4





#71

Naphthalene

Concen: 2.008 ug/L

RT: 13.780 min Scan# 2081

Delta R.T. 0.006 min

Lab File: VX035146.D

Acq: 19 Apr 2023 00:34

Instrument :

MSVOA_X

ClientSampleId :

COMM2

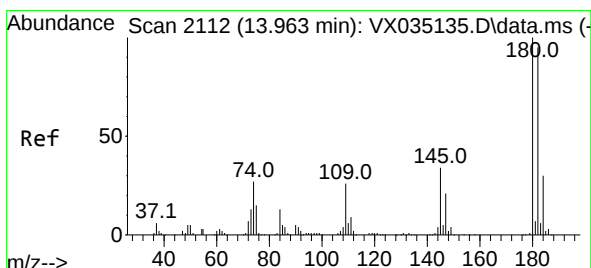
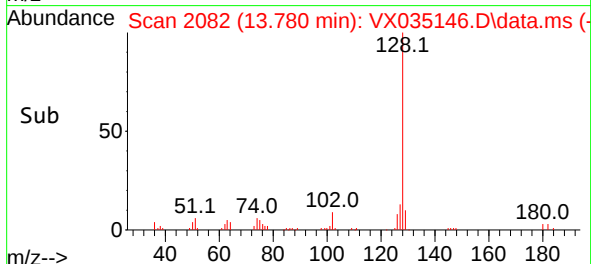
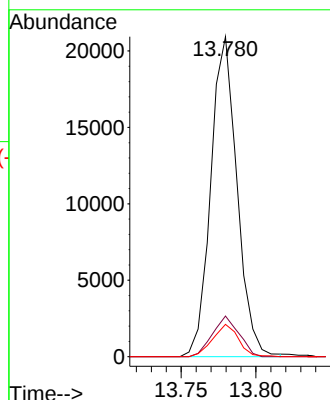
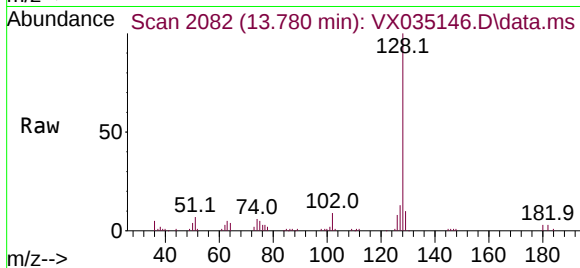
Tgt Ion:128 Resp: 25576

Ion Ratio Lower Upper

128 100

127 12.8 10.2 15.4

129 9.9 8.9 13.3



#72

1,2,3-Trichlorobenzene

Concen: 1417.164 ug/L

RT: 13.969 min Scan# 2113

Delta R.T. 0.006 min

Lab File: VX035146.D

Acq: 19 Apr 2023 00:34

Tgt Ion:180 Resp: 5001881

Ion Ratio Lower Upper

180 100

182 96.5 75.0 112.6

145 37.7 27.1 40.7

