

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX041823\
 Data File : VX035141.D
 Acq On : 18 Apr 2023 22:38
 Operator : JC/MD
 Sample : 02397-05
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 40 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 COML7

Quant Time: Apr 19 01:38:18 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	459084	50.000	ug/L	0.00
28) Chlorobenzene-d5	10.085	117	129926	50.000	ug/L	# 0.03
58) 1,4-Dichlorobenzene-d4	12.042	152	180821	50.000	ug/L	# 0.02
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.367	65	172549	58.290	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	= 116.580%	
7) Chloroethane-d5	1.672	69	130807	61.154	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	= 122.300%	
11) 1,1-Dichloroethene-d2	2.306	65	85515	60.375	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	= 120.760%	
21) 2-Butanone-d5	4.458	46	246478	124.947	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	= 124.950%	
24) Chloroform-d	5.056	84	330899	59.358	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	= 118.720%	
26) 1,2-Dichloroethane-d4	5.952	65	221831	61.967	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	= 123.940%	
32) Benzene-d6	5.970	84	712990	191.034	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	= 382.060%#	
36) 1,2-Dichloropropane-d6	7.305	67	218379	191.547	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	= 383.100%#	
41) Toluene-d8	8.653	98	645386	189.206	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	= 378.420%#	
43) trans-1,3-Dichloroprop...	8.951	79	89921	180.480	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	= 360.960%#	
47) 2-Hexanone-d5	9.390	63	178998	390.975	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	= 390.980%#	
56) 1,1,2,2-Tetrachloroeth...	11.195	84	253951	181.884	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	= 363.760%#	
66) 1,2-Dichlorobenzene-d4	12.372	152	153570	43.826	ug/L	0.05
Spiked Amount	50.000	Range	80 - 120	Recovery	= 87.660%	
Target Compounds						Qvalue
10) 1,1,2-Trichloro-1,2,2-...	2.306	101	2707	0.901	ug/L #	19
12) 1,1-Dichloroethene	2.306	96	2133	0.778	ug/L #	1
13) Acetone	2.386	43	106064	72.494	ug/L	100
29) Cyclohexane	5.470	56	32299	20.574	ug/L	100
31) Carbon tetrachloride	5.678	117	34583	26.764	ug/L	95
33) Benzene	6.037	78	471736	119.893	ug/L	100
35) Methylcyclohexane	7.379	83	13296	9.433	ug/L #	77
42) Toluene	8.720	91	32122	7.869	ug/L	99
44) trans-1,3-Dichloropropene	8.951	75	3846	2.756	ug/L #	80
46) Tetrachloroethene	9.281	164	5656	7.255	ug/L	94
49) Dibromochloromethane	9.275	129	5887	6.302	ug/L #	10
51) Chlorobenzene	10.342	112	13085	4.865	ug/L	99
53) m,p-Xylene	10.317	106	2698	1.561	ug/L	98
54) o-Xylene	10.646	106	1291	0.760	ug/L	91
57) 1,1,2,2-Tetrachloroethane	11.201	83	1195	0.825	ug/L #	1
64) 1,3-Dichlorobenzene	11.981	146	10614866	1892.937	ug/L	84
65) 1,4-Dichlorobenzene	11.981	146	10614866	1849.895	ug/L #	85
67) 1,2-Dichlorobenzene	12.353	146	4592693	807.737	ug/L #	64
68) 1,2-Dibromo-3-chloropr...	12.926	75	255333	309.958	ug/L #	2

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX041823\
 Data File : VX035141.D
 Acq On : 18 Apr 2023 22:38
 Operator : JC/MD
 Sample : 02397-05
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 40 Sample Multiplier: 1

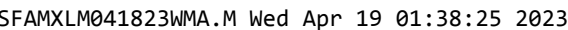
Instrument :
 MSVOA_X
 ClientSampleId :
 COML7

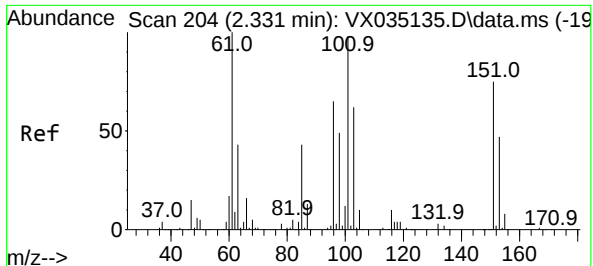
Quant Time: Apr 19 01:38:18 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\SFAMXML041823WMA.M
 Quant Title : VOC Analysis
 QLast Update : Wed Apr 19 01:27:01 2023
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
69) 1,3,5-Trichlorobenzene	13.115	180	9869	2.847	ug/L	96
70) 1,2,4-trichlorobenzene	13.615	180	16915173	5210.921	ug/L #	92
71) Naphthalene	13.780	128	163249	14.119	ug/L	99
72) 1,2,3-Trichlorobenzene	13.969	180	5119490	1597.555	ug/L	97

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

Quant Time: Apr 19 01:38:18 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

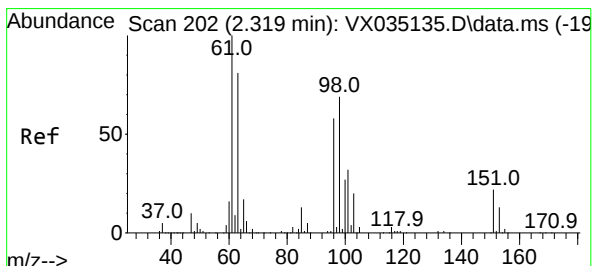
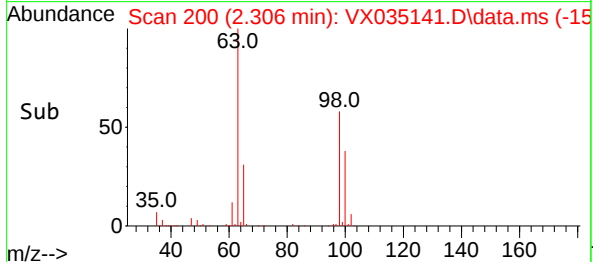
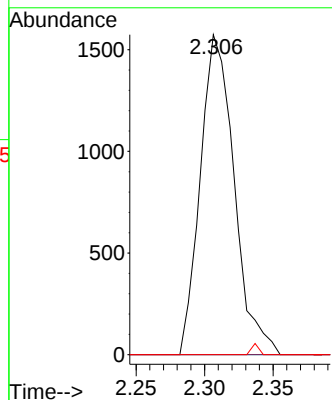
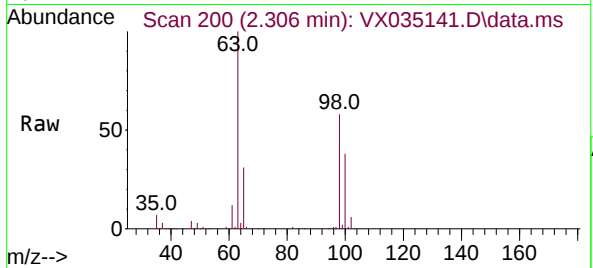




#10
1,1,2-Trichloro-1,2,2-trifluoroethane
Concen: 0.901 ug/L
RT: 2.306 min Scan# 200
Delta R.T. -0.024 min
Lab File: VX035141.D
Acq: 18 Apr 2023 22:38

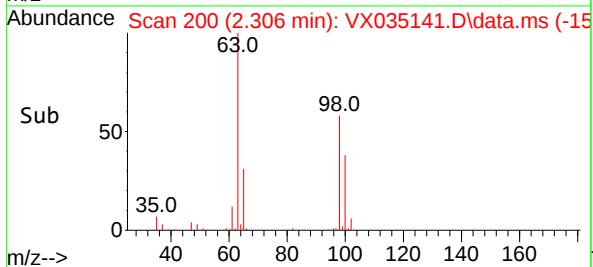
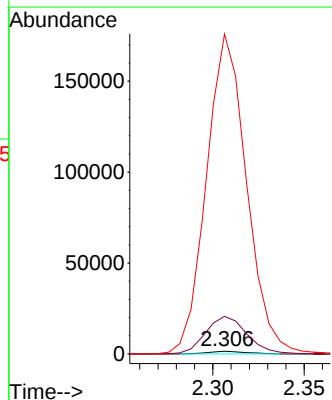
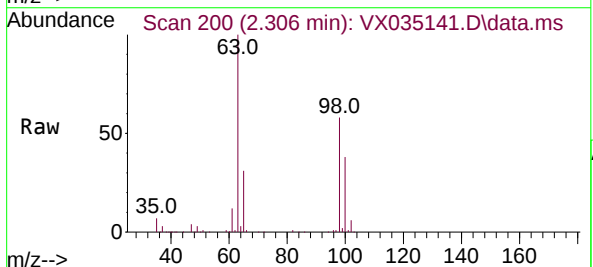
Instrument :
MSVOA_X
ClientSampleId :
COML7

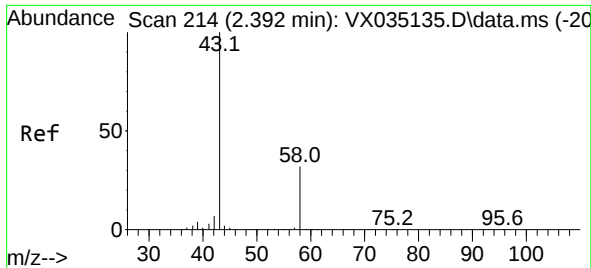
Tgt Ion:101 Resp: 2707
Ion Ratio Lower Upper
101 100
85 0.0 34.2 51.2#
151 0.0 61.1 91.7#



#12
1,1-Dichloroethene
Concen: 0.778 ug/L
RT: 2.306 min Scan# 200
Delta R.T. -0.012 min
Lab File: VX035141.D
Acq: 18 Apr 2023 22:38

Tgt Ion: 96 Resp: 2133
Ion Ratio Lower Upper
96 100
61 1407.5 119.0 221.0#
63 11997.3 91.0 169.0#





#13

Acetone

Concen: 72.494 ug/L

RT: 2.386 min Scan# 214

Delta R.T. -0.006 min

Lab File: VX035141.D

Acq: 18 Apr 2023 22:38

Instrument :

MSVOA_X

ClientSampleId :

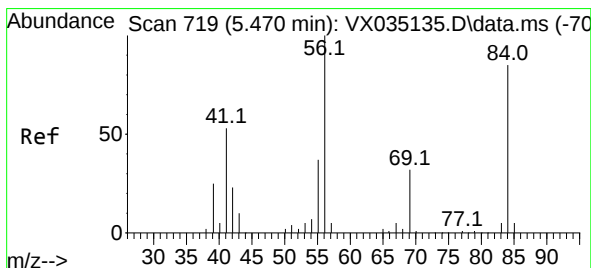
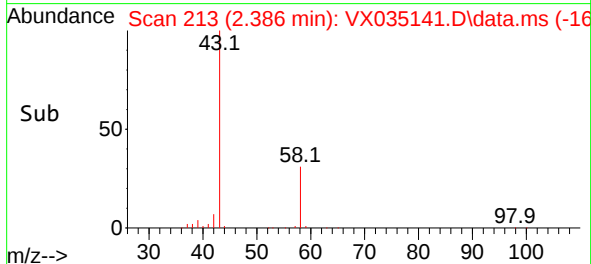
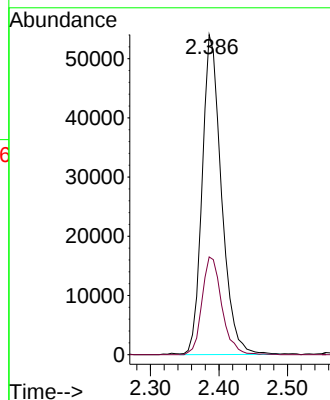
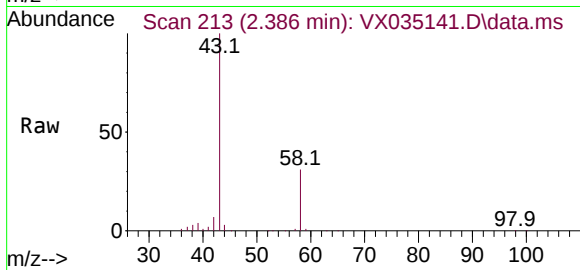
COML7

Tgt Ion: 43 Resp: 106064

Ion Ratio Lower Upper

43 100

58 31.1 0.0 62.0



#29

Cyclohexane

Concen: 20.574 ug/L

RT: 5.470 min Scan# 719

Delta R.T. -0.000 min

Lab File: VX035141.D

Acq: 18 Apr 2023 22:38

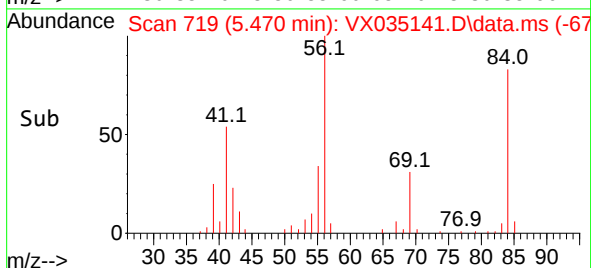
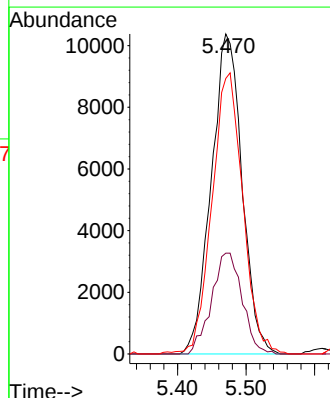
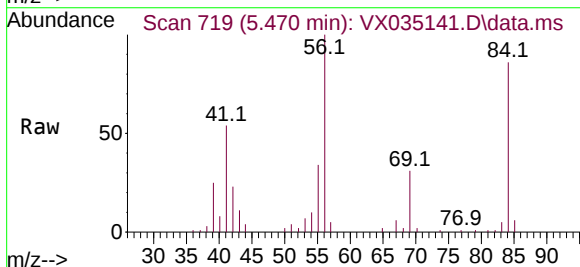
Tgt Ion: 56 Resp: 32299

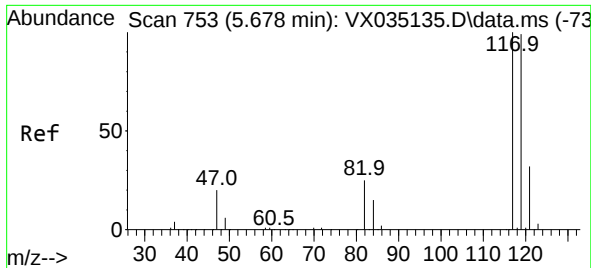
Ion Ratio Lower Upper

56 100

69 31.4 25.1 37.7

84 87.9 70.1 105.1

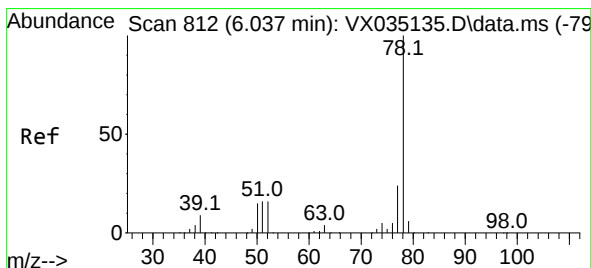
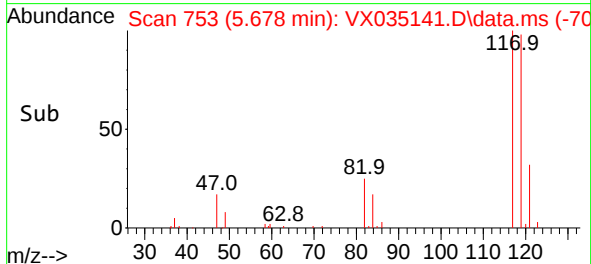
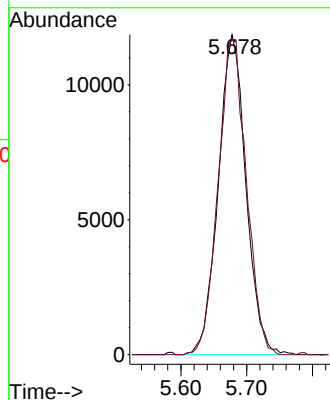
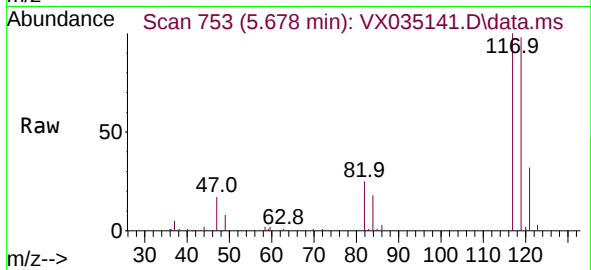




#31
Carbon tetrachloride
Concen: 26.764 ug/L
RT: 5.678 min Scan# 711
Delta R.T. -0.000 min
Lab File: VX035141.D
Acq: 18 Apr 2023 22:38

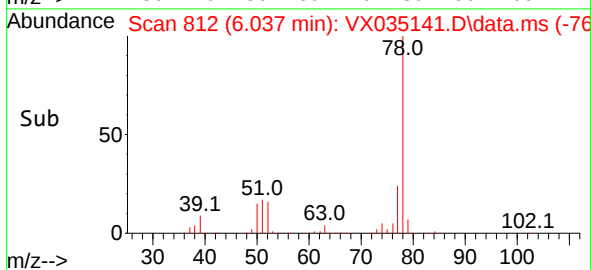
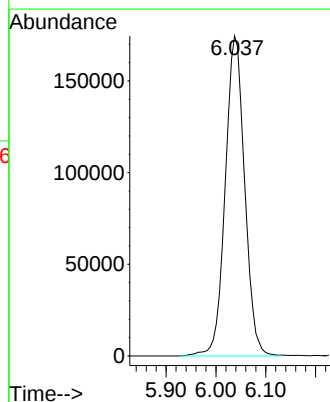
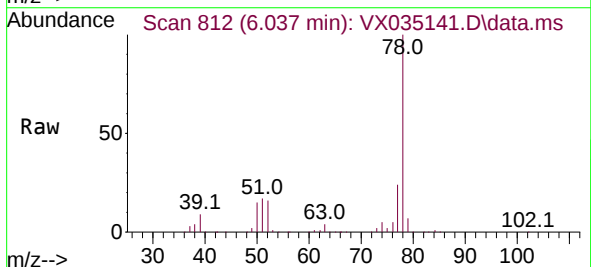
Instrument :
MSVOA_X
ClientSampleId :
COML7

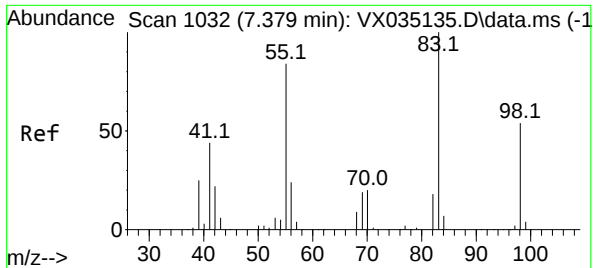
Tgt Ion:117 Resp: 34583
Ion Ratio Lower Upper
117 100
119 101.2 77.1 115.7



#33
Benzene
Concen: 119.893 ug/L
RT: 6.037 min Scan# 812
Delta R.T. -0.000 min
Lab File: VX035141.D
Acq: 18 Apr 2023 22:38

Tgt Ion: 78 Resp: 471736

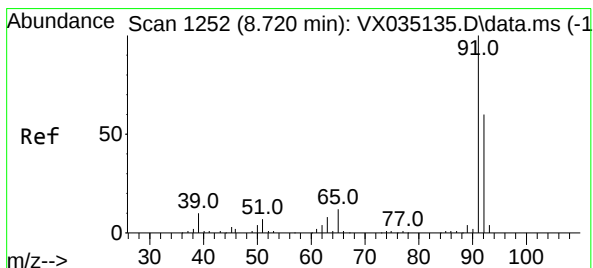
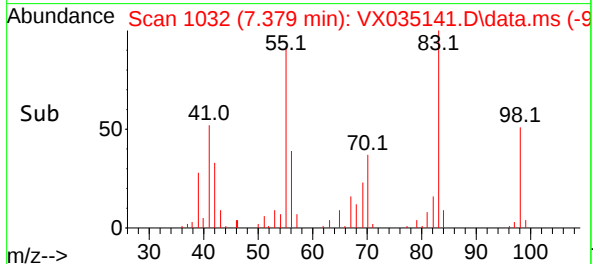
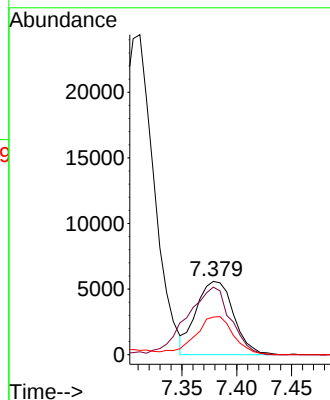
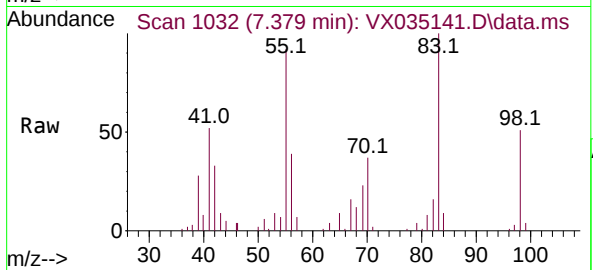




#35
Methylcyclohexane
Concen: 9.433 ug/L
RT: 7.379 min Scan# 1032
Delta R.T. -0.000 min
Lab File: VX035141.D
Acq: 18 Apr 2023 22:38

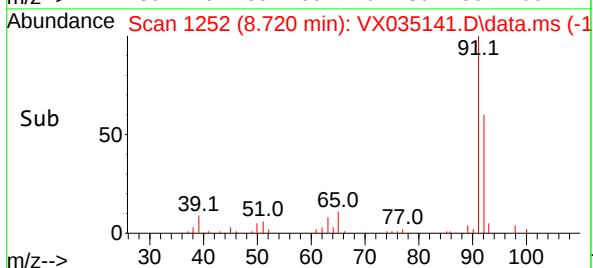
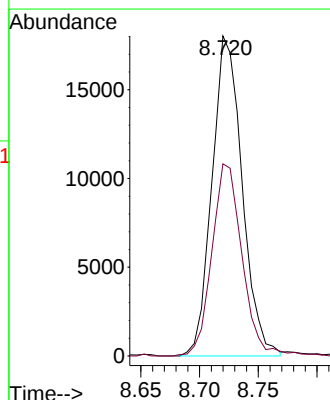
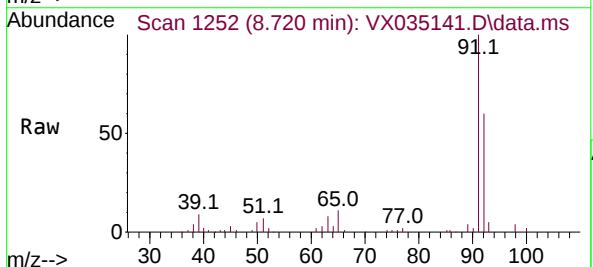
Instrument :
MSVOA_X
ClientSampleId :
COML7

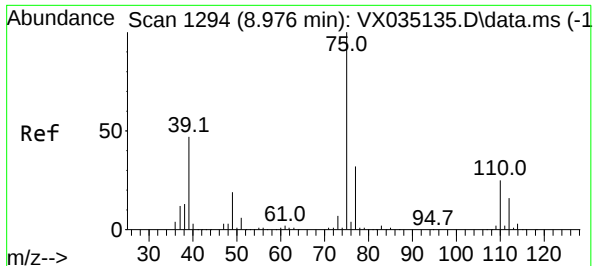
Tgt Ion: 83 Resp: 13296
Ion Ratio Lower Upper
83 100
55 106.8 62.2 93.2#
98 53.0 39.3 58.9



#42
Toluene
Concen: 7.869 ug/L
RT: 8.720 min Scan# 1252
Delta R.T. -0.000 min
Lab File: VX035141.D
Acq: 18 Apr 2023 22:38

Tgt Ion: 91 Resp: 32122
Ion Ratio Lower Upper
91 100
92 60.0 41.7 77.5

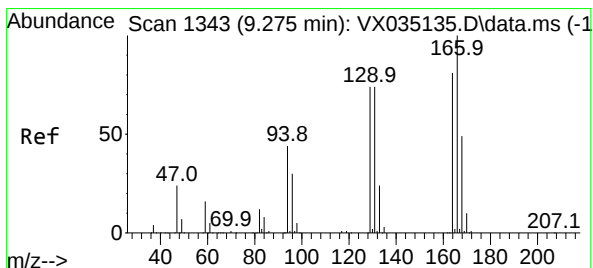
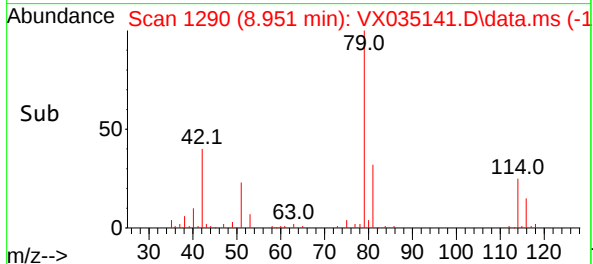
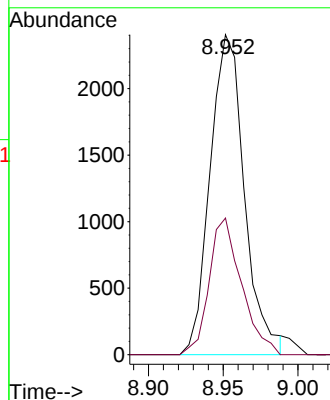
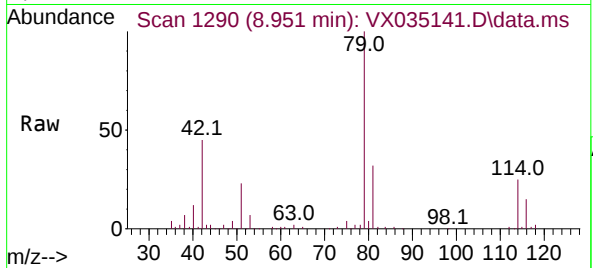




#44
trans-1,3-Dichloropropene
Concen: 2.756 ug/L
RT: 8.951 min Scan# 11
Delta R.T. -0.024 min
Lab File: VX035141.D
Acq: 18 Apr 2023 22:38

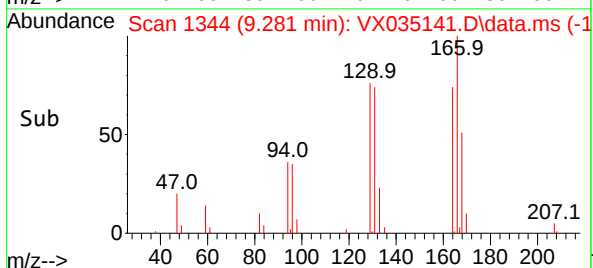
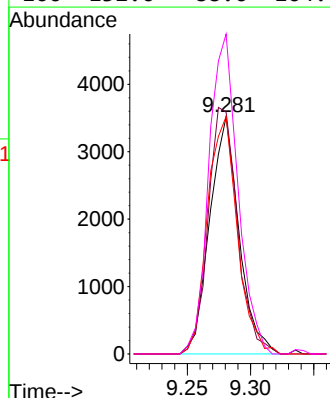
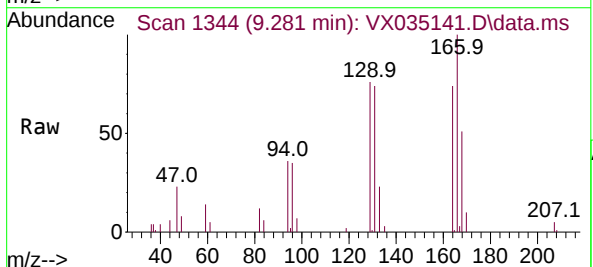
Instrument :
MSVOA_X
ClientSampleId :
COML7

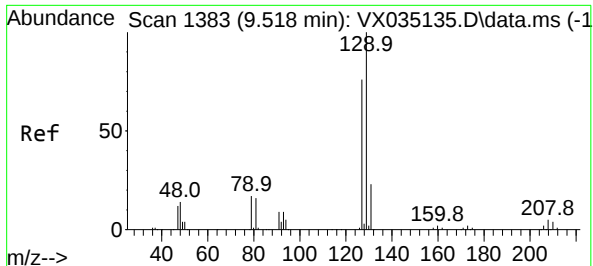
Tgt Ion: 75 Resp: 3846
Ion Ratio Lower Upper
75 100
77 42.7 22.0 40.8#



#46
Tetrachloroethene
Concen: 7.255 ug/L
RT: 9.281 min Scan# 1344
Delta R.T. 0.006 min
Lab File: VX035141.D
Acq: 18 Apr 2023 22:38

Tgt Ion: 164 Resp: 5656
Ion Ratio Lower Upper
164 100
129 100.2 66.1 122.8
131 98.4 65.0 120.8
166 132.6 88.6 164.6





#49

Dibromochloromethane

Concen: 6.302 ug/L

RT: 9.275 min Scan# 11

Delta R.T. -0.244 min

Lab File: VX035141.D

Acq: 18 Apr 2023 22:38

Instrument :

MSVOA_X

ClientSampleId :

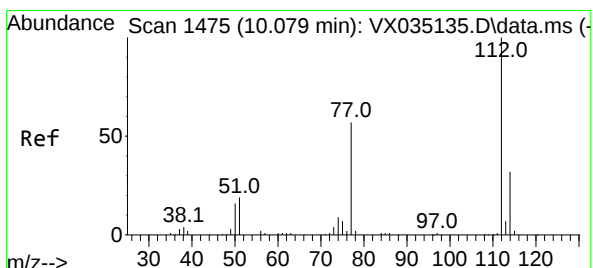
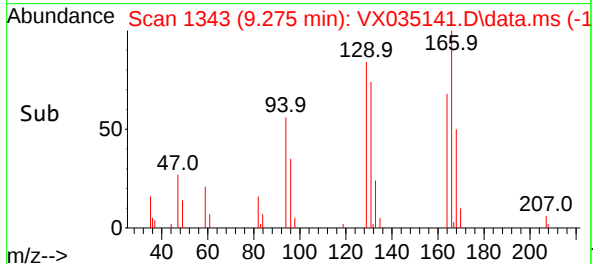
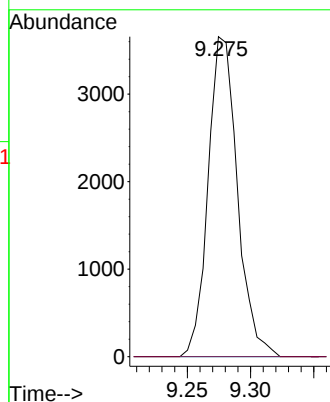
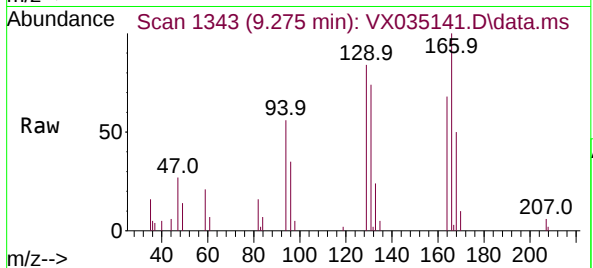
COML7

Tgt Ion:129 Resp: 5887

Ion Ratio Lower Upper

129 100

127 0.0 54.8 101.8#



#51

Chlorobenzene

Concen: 4.865 ug/L

RT: 10.342 min Scan# 1518

Delta R.T. 0.262 min

Lab File: VX035141.D

Acq: 18 Apr 2023 22:38

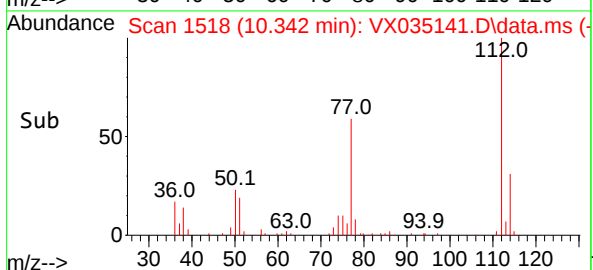
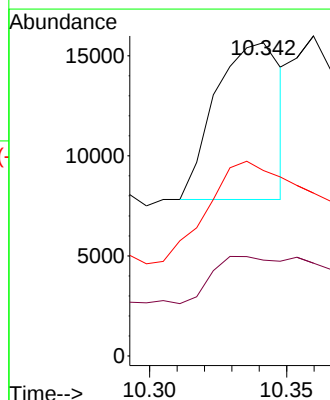
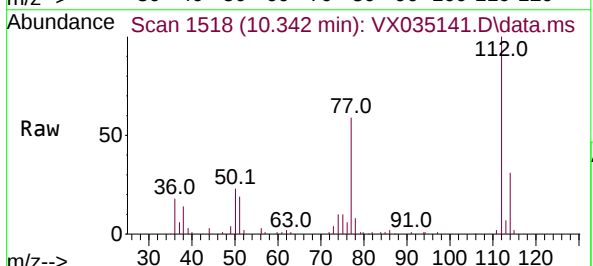
Tgt Ion:112 Resp: 13085

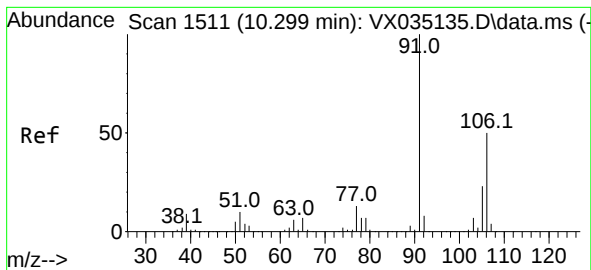
Ion Ratio Lower Upper

112 100

114 30.6 22.4 41.6

77 59.2 47.0 70.6





#53

m,p-Xylene

Concen: 1.561 ug/L

RT: 10.317 min Scan# 1514

Delta R.T. 0.018 min

Lab File: VX035141.D

Acq: 18 Apr 2023 22:38

Instrument :

MSVOA_X

ClientSampleId :

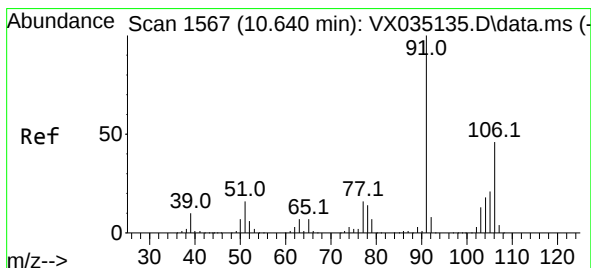
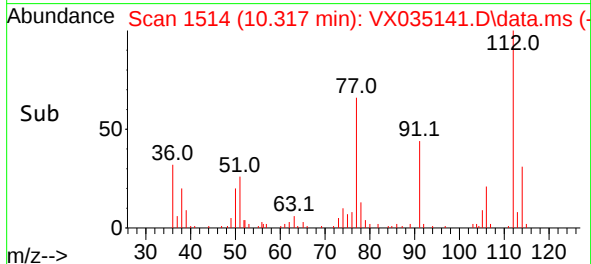
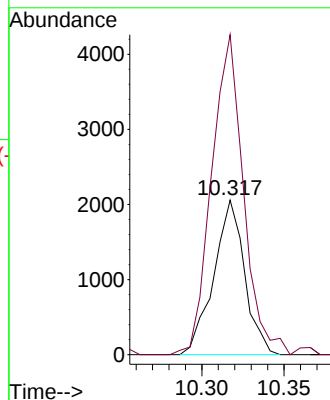
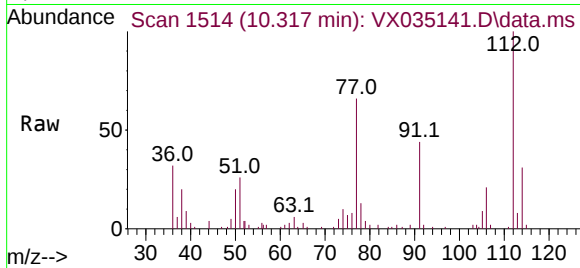
COML7

Tgt Ion:106 Resp: 2698

Ion Ratio Lower Upper

106 100

91 206.9 142.7 264.9



#54

o-Xylene

Concen: 0.760 ug/L

RT: 10.646 min Scan# 1568

Delta R.T. 0.006 min

Lab File: VX035141.D

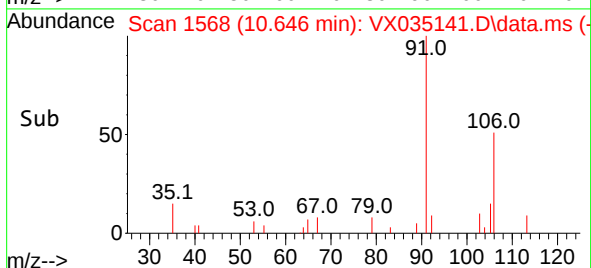
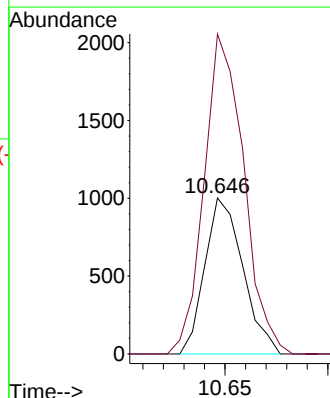
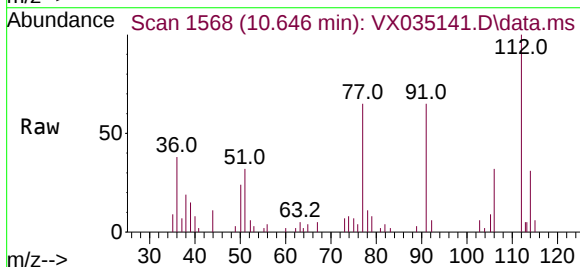
Acq: 18 Apr 2023 22:38

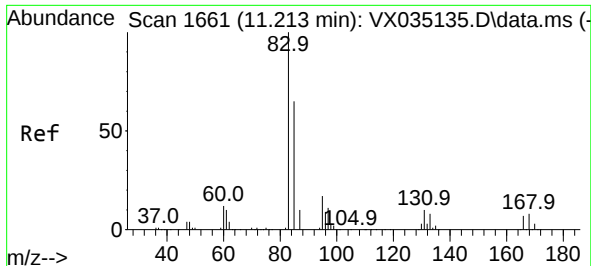
Tgt Ion:106 Resp: 1291

Ion Ratio Lower Upper

106 100

91 205.2 153.9 285.7





#57

1,1,2,2-Tetrachloroethane

Concen: 0.825 ug/L

RT: 11.201 min Scan# 1

Delta R.T. -0.012 min

Lab File: VX035141.D

Acq: 18 Apr 2023 22:38

Instrument :

MSVOA_X

ClientSampleId :

COML7

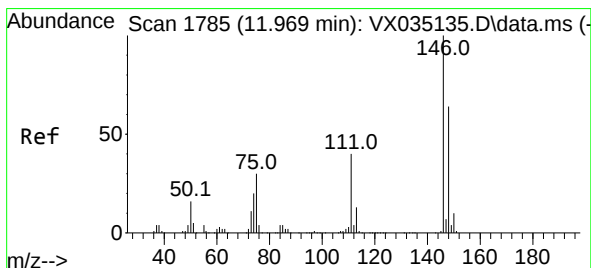
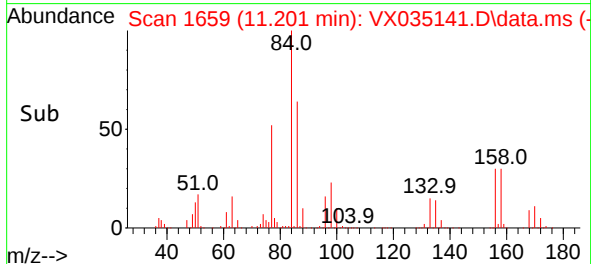
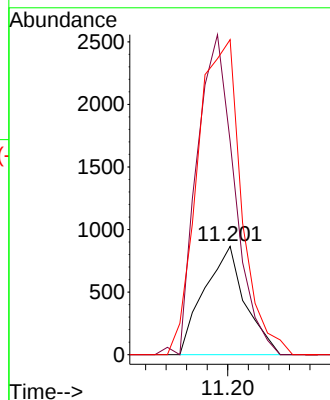
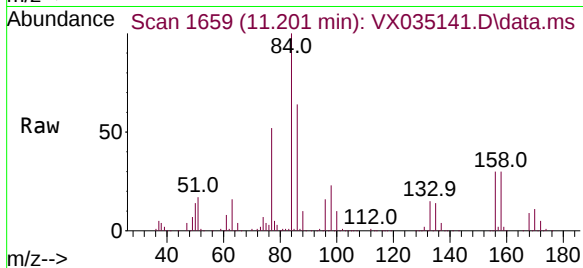
Tgt Ion: 83 Resp: 1195

Ion Ratio Lower Upper

83 100

85 197.0 46.0 85.4#

131 290.8 8.3 12.5#



#64

1,3-Dichlorobenzene

Concen: 1892.937 ug/L

RT: 11.981 min Scan# 1787

Delta R.T. 0.012 min

Lab File: VX035141.D

Acq: 18 Apr 2023 22:38

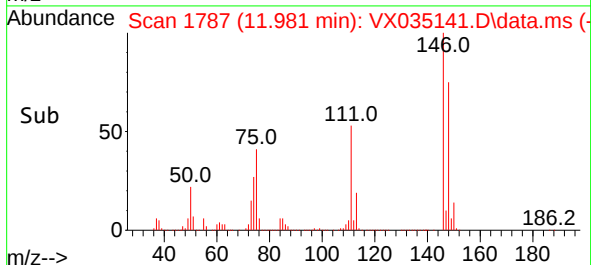
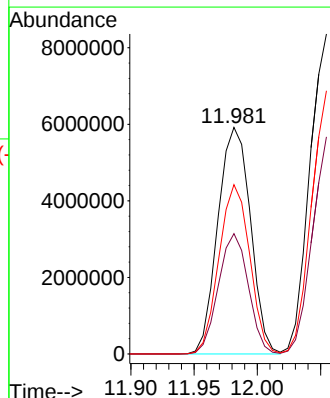
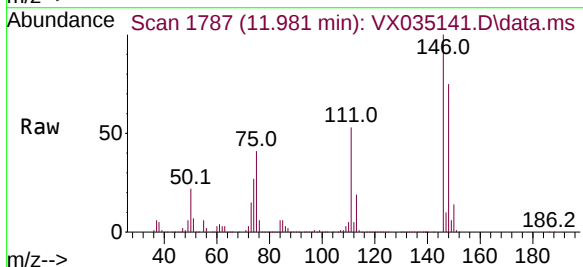
Tgt Ion: 146 Resp: 10614866

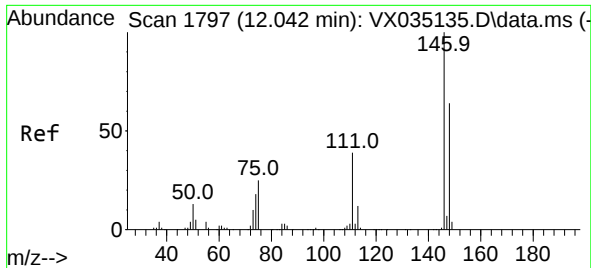
Ion Ratio Lower Upper

146 100

111 53.1 28.9 53.7

148 74.8 44.3 82.3

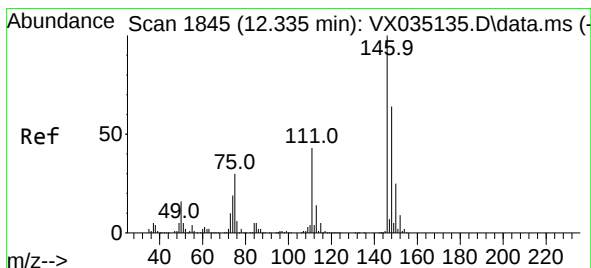
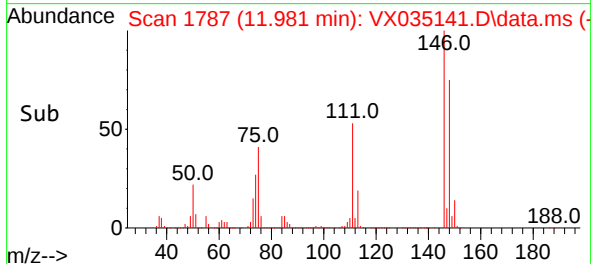
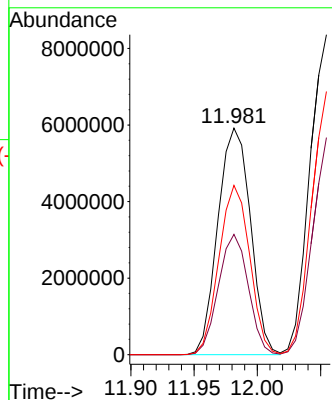
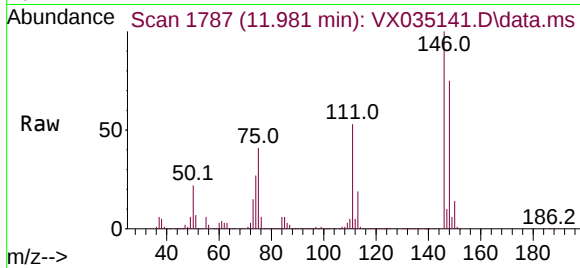




#65
1,4-Dichlorobenzene
Concen: 1849.895 ug/L
RT: 11.981 min Scan# 11
Delta R.T. -0.061 min
Lab File: VX035141.D
Acq: 18 Apr 2023 22:38

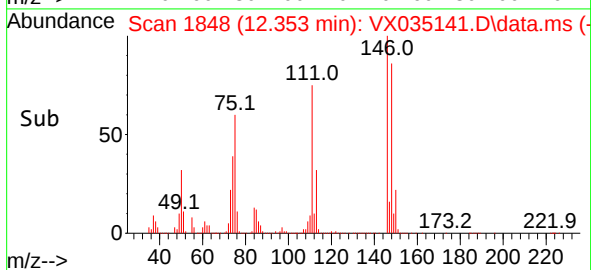
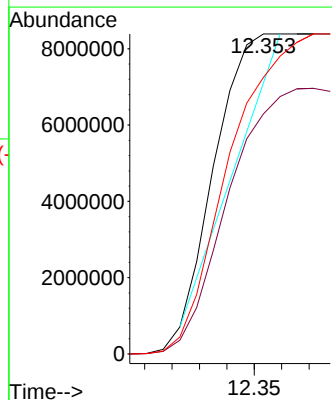
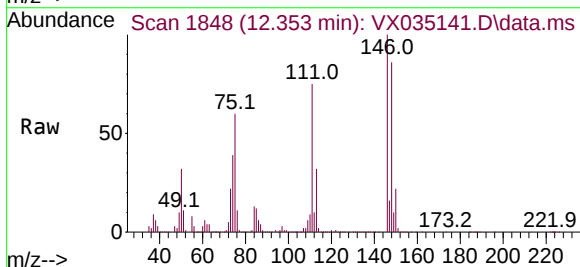
Instrument :
MSVOA_X
ClientSampleId :
COML7

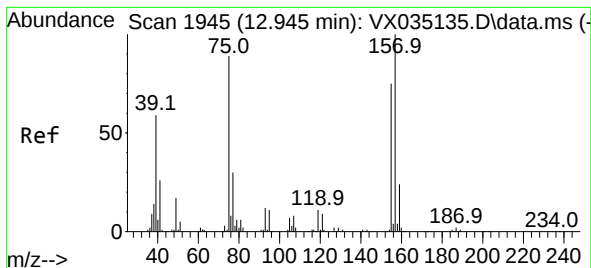
Tgt Ion:146 Resp:10614866
Ion Ratio Lower Upper
146 100
111 53.1 27.9 51.7#
148 74.8 45.9 85.3



#67
1,2-Dichlorobenzene
Concen: 807.737 ug/L
RT: 12.353 min Scan# 1848
Delta R.T. 0.018 min
Lab File: VX035141.D
Acq: 18 Apr 2023 22:38

Tgt Ion:146 Resp: 4592693
Ion Ratio Lower Upper
146 100
111 75.0 34.7 52.1#
148 86.4 52.1 78.1#

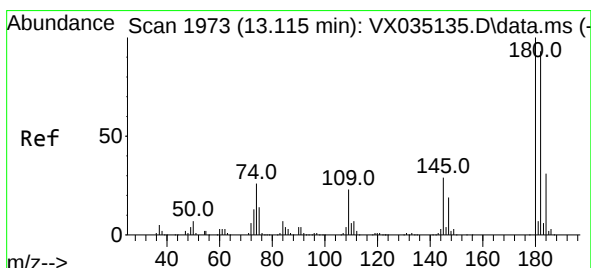
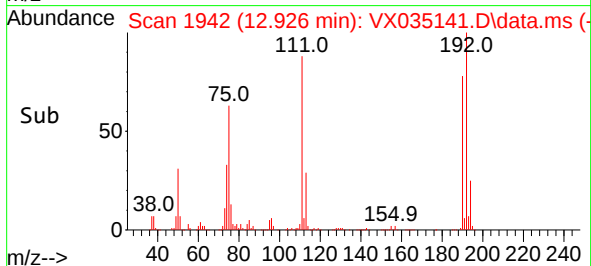
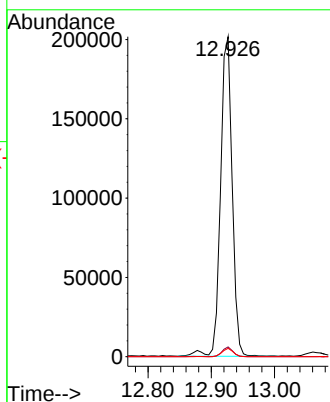
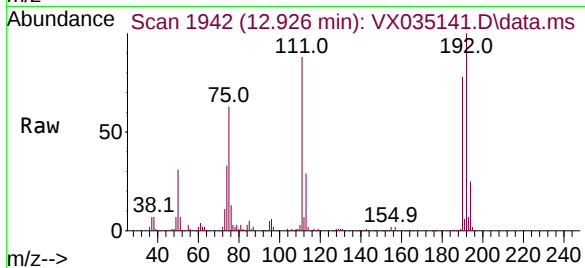




#68
 1,2-Dibromo-3-chloropropane
 Concen: 309.958 ug/L
 RT: 12.926 min Scan# 1942
 Delta R.T. -0.018 min
 Lab File: VX035141.D
 Acq: 18 Apr 2023 22:38

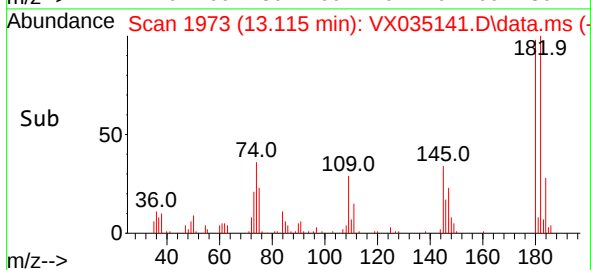
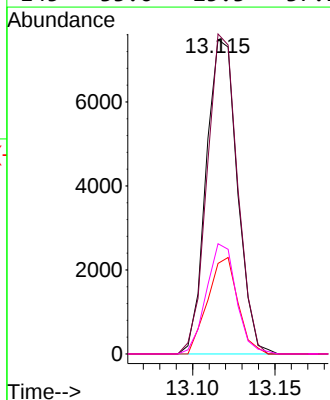
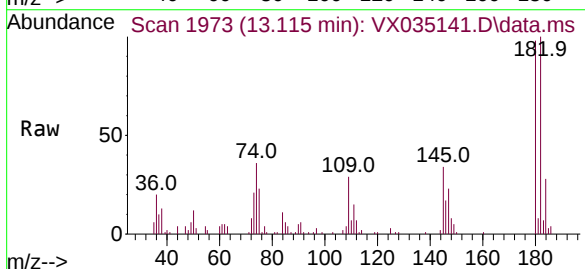
Instrument :
 MSVOA_X
 ClientSampleId :
 COML7

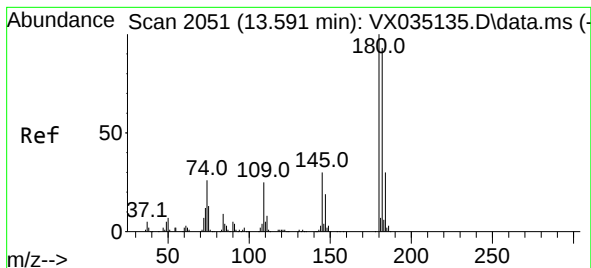
Tgt Ion: 75 Resp: 255333
 Ion Ratio Lower Upper
 75 100
 155 3.0 69.9 104.9#
 157 2.6 90.4 135.6#



#69
 1,3,5-Trichlorobenzene
 Concen: 2.847 ug/L
 RT: 13.115 min Scan# 1973
 Delta R.T. -0.000 min
 Lab File: VX035141.D
 Acq: 18 Apr 2023 22:38

Tgt Ion: 180 Resp: 9869
 Ion Ratio Lower Upper
 180 100
 182 98.8 75.4 113.0
 184 29.7 23.8 35.8
 145 33.6 25.3 37.9





#70

1,2,4-trichlorobenzene

Concen: 5210.921 ug/L

RT: 13.615 min Scan# 2055

Delta R.T. 0.024 min

Lab File: VX035141.D

Acq: 18 Apr 2023 22:38

Instrument :

MSVOA_X

ClientSampleId :

COML7

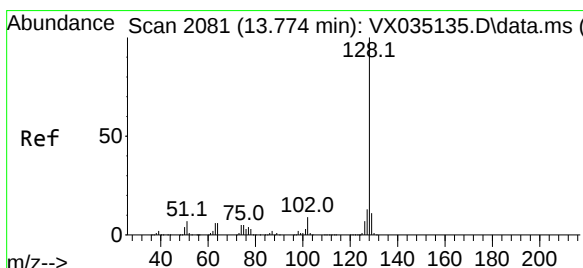
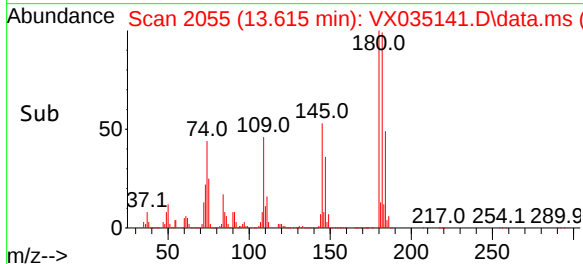
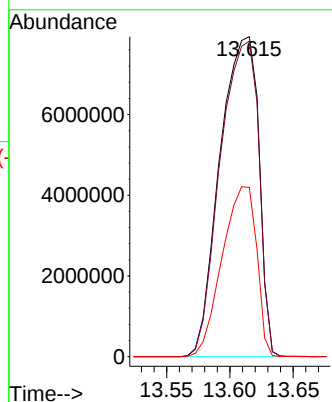
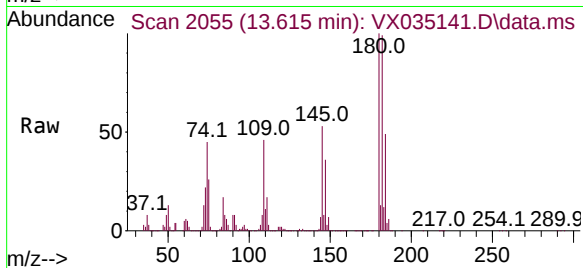
Tgt Ion:180 Resp:16915173

Ion Ratio Lower Upper

180 100

182 97.6 76.6 114.8

145 47.2 26.2 39.4#



#71

Naphthalene

Concen: 14.119 ug/L

RT: 13.780 min Scan# 2082

Delta R.T. 0.006 min

Lab File: VX035141.D

Acq: 18 Apr 2023 22:38

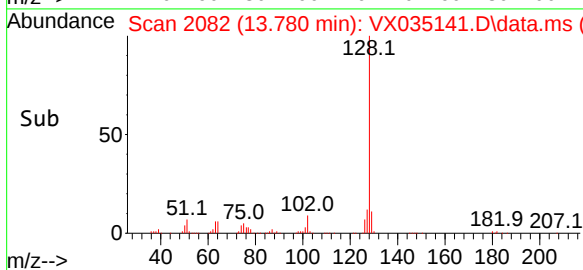
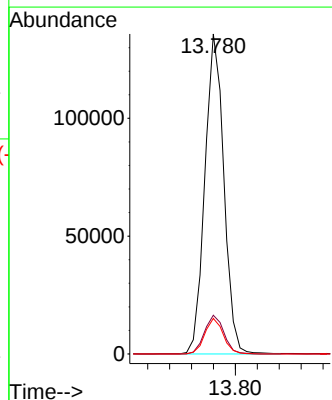
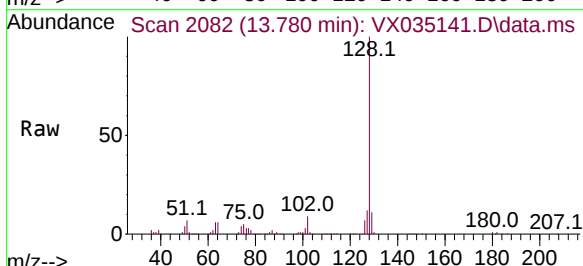
Tgt Ion:128 Resp: 163249

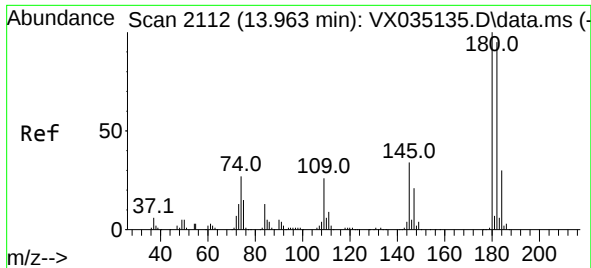
Ion Ratio Lower Upper

128 100

127 12.4 10.2 15.4

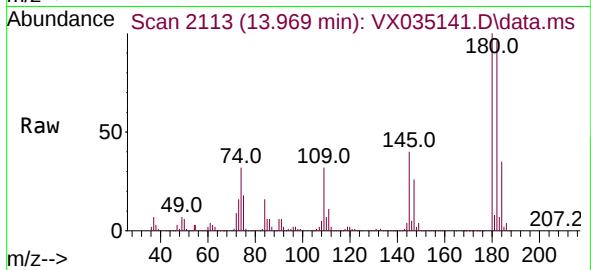
129 10.9 8.9 13.3





#72
 1,2,3-Trichlorobenzene
 Concen: 1597.555 ug/L
 RT: 13.969 min Scan# 2113
 Delta R.T. 0.006 min
 Lab File: VX035141.D
 Acq: 18 Apr 2023 22:38

Instrument :
 MSVOA_X
 ClientSampleId :
 COML7



Tgt Ion:180 Resp: 5119490

Ion	Ratio	Lower	Upper
180	100		
182	95.6	75.0	112.6
145	37.7	27.1	40.7

