

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX041823\
 Data File : VX035142.D
 Acq On : 18 Apr 2023 23:01
 Operator : JC/MD
 Sample : 02397-06
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 41 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 COML8

Quant Time: Apr 19 01:38:35 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	497517	50.000	ug/L	0.00
28) Chlorobenzene-d5	10.080	117	396836	50.000	ug/L	0.02
58) 1,4-Dichlorobenzene-d4	12.037	152	207952	50.000	ug/L	# 0.01
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.368	65	174692	54.455	ug/L	0.00
Spiked Amount 50.000	Range 60 - 135		Recovery = 108.920%			
7) Chloroethane-d5	1.673	69	135017	58.246	ug/L	0.00
Spiked Amount 50.000	Range 70 - 130		Recovery = 116.500%			
11) 1,1-Dichloroethene-d2	2.307	65	81562	53.136	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery = 106.280%			
21) 2-Butanone-d5	4.459	46	240227	112.371	ug/L	0.00
Spiked Amount 100.000	Range 40 - 130		Recovery = 112.370%			
24) Chloroform-d	5.056	84	330974	54.785	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery = 109.580%			
26) 1,2-Dichloroethane-d4	5.977	65	91014	23.460	ug/L	0.02
Spiked Amount 50.000	Range 70 - 125		Recovery = 46.920%#			
32) Benzene-d6	6.001	84	689470	60.482	ug/L	0.02
Spiked Amount 50.000	Range 70 - 125		Recovery = 120.960%			
36) 1,2-Dichloropropane-d6	7.306	67	208354	59.835	ug/L	0.00
Spiked Amount 50.000	Range 70 - 120		Recovery = 119.660%			
41) Toluene-d8	8.647	98	624322	59.925	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery = 119.840%			
43) trans-1,3-Dichloroprop...	8.952	79	87696	57.628	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery = 115.260%			
47) 2-Hexanone-d5	9.391	63	178078	127.349	ug/L	0.00
Spiked Amount 100.000	Range 45 - 130		Recovery = 127.350%			
56) 1,1,2,2-Tetrachloroeth...	11.189	84	252343	59.173	ug/L	0.00
Spiked Amount 50.000	Range 65 - 120		Recovery = 118.340%			
66) 1,2-Dichlorobenzene-d4	12.329	152	208872	51.831	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery = 103.660%			
Target Compounds						Qvalue
10) 1,1,2-Trichloro-1,2,2-...	2.307	101	2548	0.782	ug/L #	19
12) 1,1-Dichloroethene	2.307	96	2102	0.707	ug/L #	1
14) Carbon disulfide	2.508	76	10003	1.362	ug/L	97
25) Chloroform	5.093	83	207647	34.712	ug/L	98
27) 1,2-Dichloroethane	6.111	62	1367042	285.320	ug/L #	73
29) Cyclohexane	5.477	56	20605	4.297	ug/L	98
31) Carbon tetrachloride	5.678	117	126890	32.152	ug/L	99
35) Methylcyclohexane	7.379	83	6936	1.611	ug/L #	76
44) trans-1,3-Dichloropropene	8.952	75	3830	0.898	ug/L #	80
46) Tetrachloroethene	9.281	164	3606	1.514	ug/L	86
49) Dibromochloromethane	9.275	129	3471	1.216	ug/L #	10
64) 1,3-Dichlorobenzene	11.976	146	2923860	453.382	ug/L	97
65) 1,4-Dichlorobenzene	12.055	146	19968047	3025.895	ug/L #	65
67) 1,2-Dichlorobenzene	12.354	146	17090770	2613.666	ug/L #	68
68) 1,2-Dibromo-3-chloropr...	12.921	75	8786	9.274	ug/L #	1
69) 1,3,5-Trichlorobenzene	13.591	180	3674538	921.661	ug/L	98
70) 1,2,4-trichlorobenzene	13.591	180	3674538	984.298	ug/L	98
72) 1,2,3-Trichlorobenzene	13.963	180	542545	147.215	ug/L	99

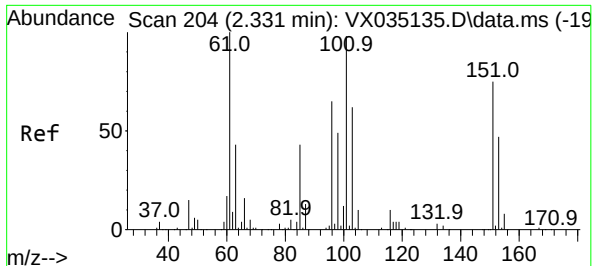
Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX041823\
Data File : VX035142.D
Acq On : 18 Apr 2023 23:01
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Instrument :
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ClientSampleId :
C0ML8

Quant Time: Apr 19 01:38:35 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)
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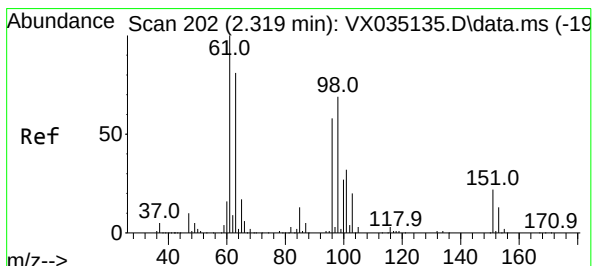
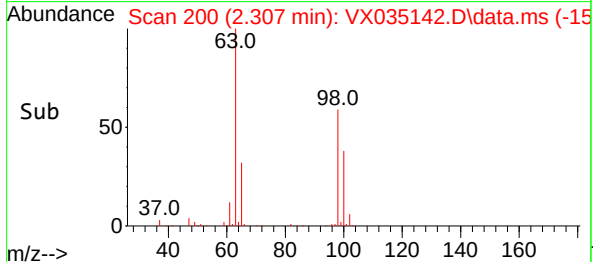
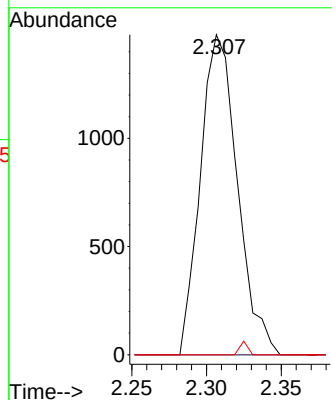
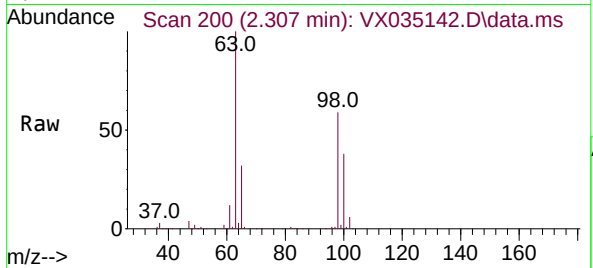
(#) = qualifier out of range (m) = manual integration (+) = signals summed



#10
 1,1,2-Trichloro-1,2,2-trifluoroethane
 Concen: 0.782 ug/L
 RT: 2.307 min Scan# 200
 Delta R.T. -0.024 min
 Lab File: VX035142.D
 Acq: 18 Apr 2023 23:01

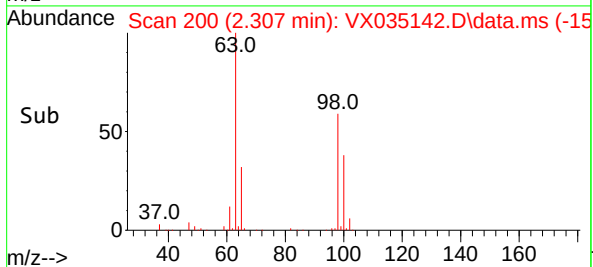
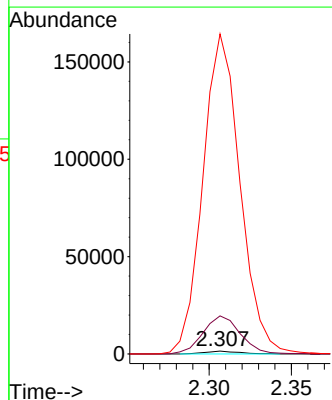
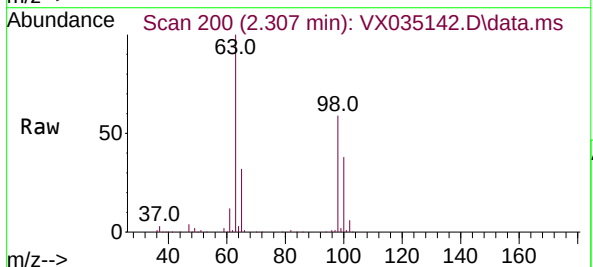
Instrument :
 MSVOA_X
 ClientSampleId :
 COML8

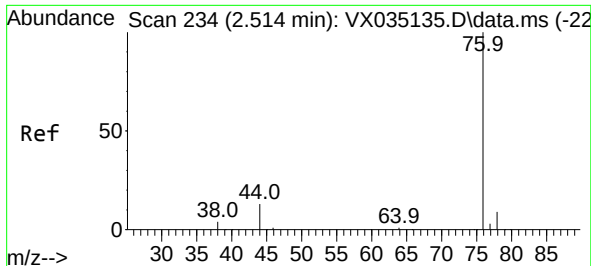
Tgt Ion:101 Resp: 2548
 Ion Ratio Lower Upper
 101 100
 85 0.0 34.2 51.2#
 151 0.0 61.1 91.7#



#12
 1,1-Dichloroethene
 Concen: 0.707 ug/L
 RT: 2.307 min Scan# 200
 Delta R.T. -0.012 min
 Lab File: VX035142.D
 Acq: 18 Apr 2023 23:01

Tgt Ion: 96 Resp: 2102
 Ion Ratio Lower Upper
 96 100
 61 1309.8 119.0 221.0#
 63 11000.8 91.0 169.0#

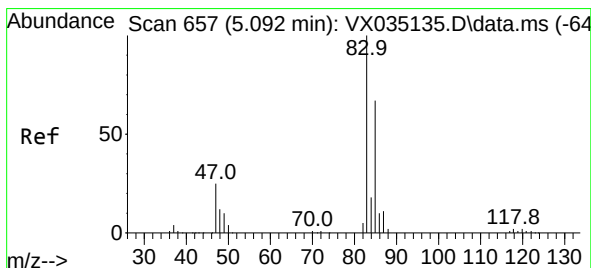
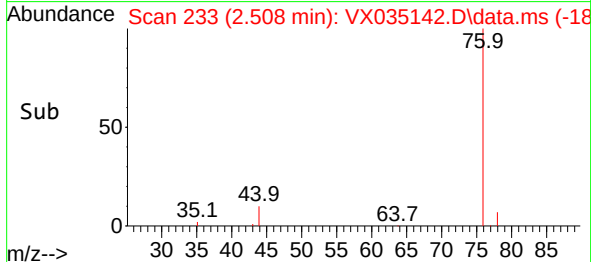
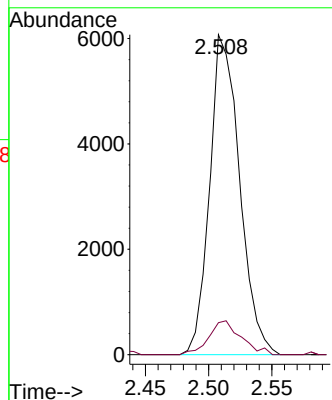
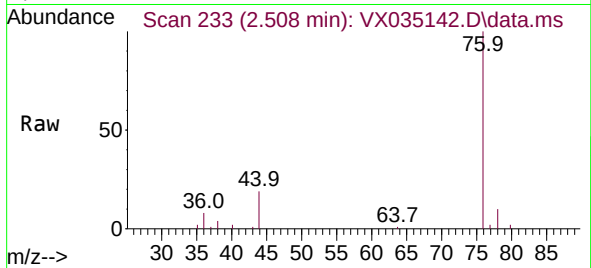




#14
Carbon disulfide
Concen: 1.362 ug/L
RT: 2.508 min Scan# 21
Delta R.T. -0.006 min
Lab File: VX035142.D
Acq: 18 Apr 2023 23:01

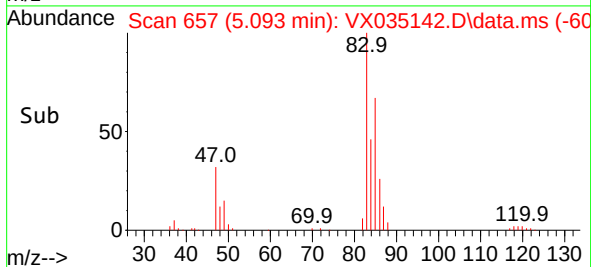
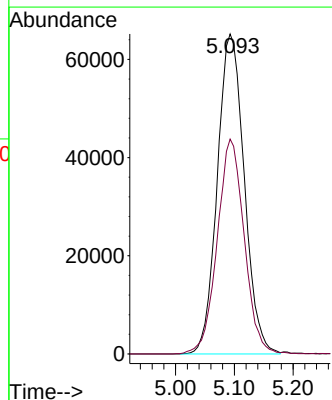
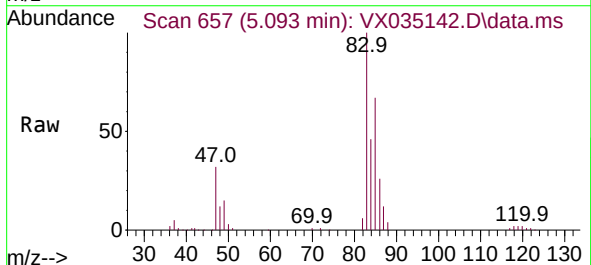
Instrument :
MSVOA_X
ClientSampleId :
COML8

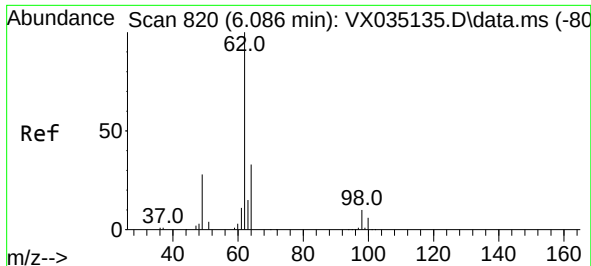
Tgt Ion: 76 Resp: 10003
Ion Ratio Lower Upper
76 100
78 10.0 7.3 10.9



#25
Chloroform
Concen: 34.712 ug/L
RT: 5.093 min Scan# 657
Delta R.T. 0.000 min
Lab File: VX035142.D
Acq: 18 Apr 2023 23:01

Tgt Ion: 83 Resp: 207647
Ion Ratio Lower Upper
83 100
85 67.1 46.0 85.4





#27

1,2-Dichloroethane

Concen: 285.320 ug/L

RT: 6.111 min Scan# 81

Delta R.T. 0.025 min

Lab File: VX035142.D

Acq: 18 Apr 2023 23:01

Instrument :

MSVOA_X

ClientSampleId :

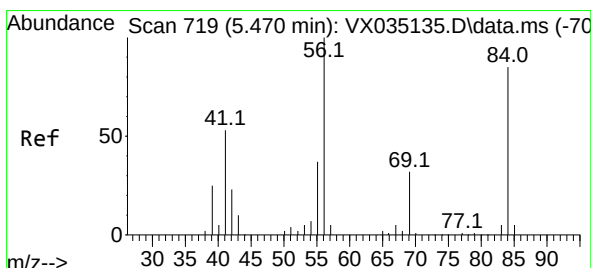
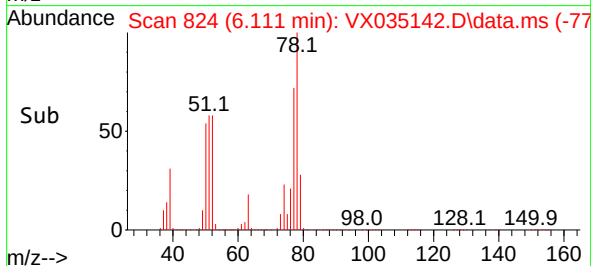
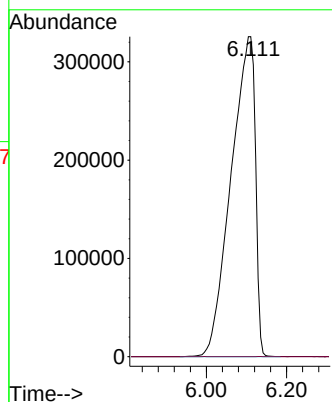
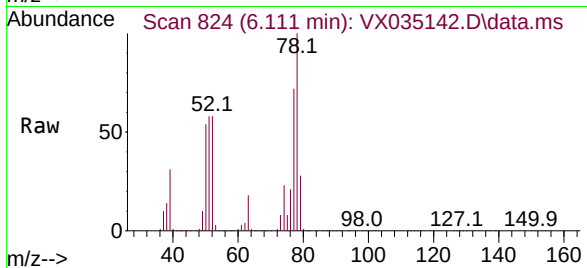
COML8

Tgt Ion: 62 Resp: 1367042

Ion Ratio Lower Upper

62 100

98 0.0 7.8 11.8#



#29

Cyclohexane

Concen: 4.297 ug/L

RT: 5.477 min Scan# 720

Delta R.T. 0.006 min

Lab File: VX035142.D

Acq: 18 Apr 2023 23:01

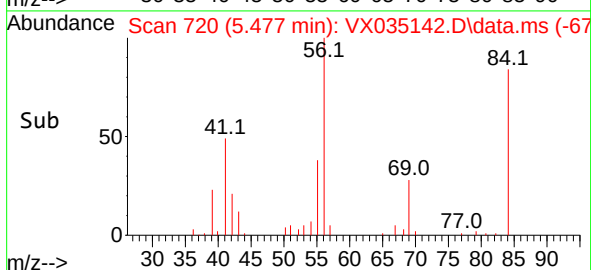
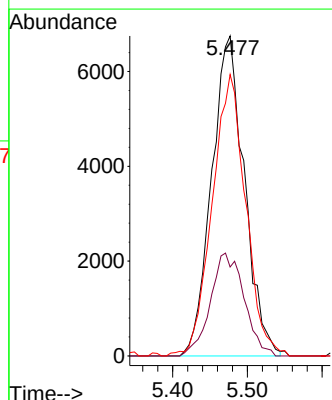
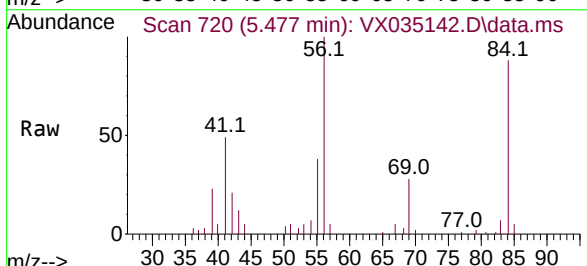
Tgt Ion: 56 Resp: 20605

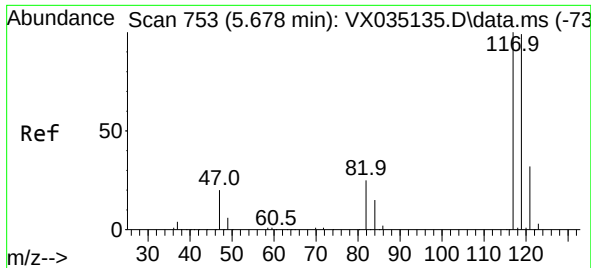
Ion Ratio Lower Upper

56 100

69 32.9 25.1 37.7

84 89.0 70.1 105.1

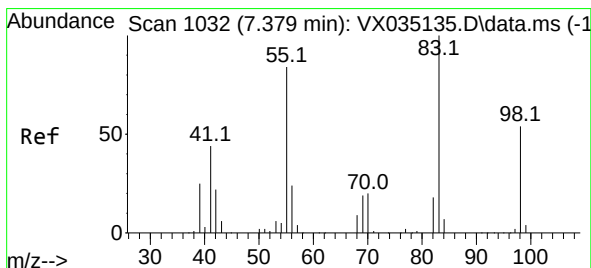
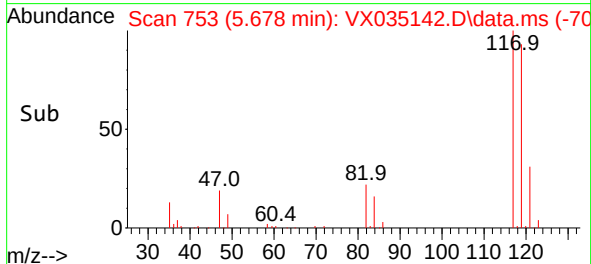
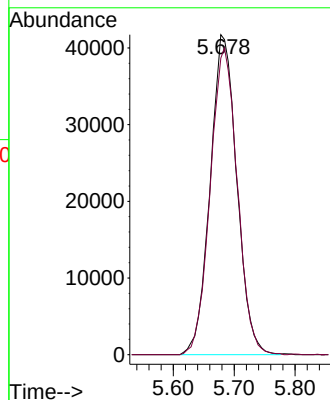
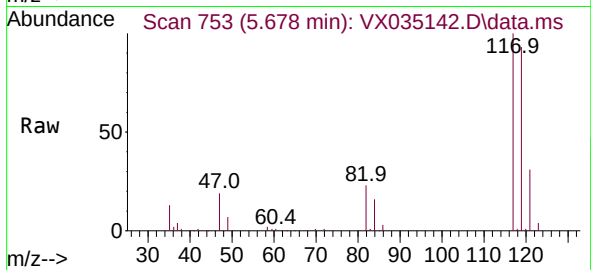




#31
Carbon tetrachloride
Concen: 32.152 ug/L
RT: 5.678 min Scan# 71
Delta R.T. 0.000 min
Lab File: VX035142.D
Acq: 18 Apr 2023 23:01

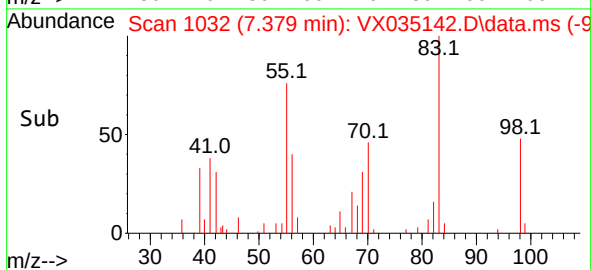
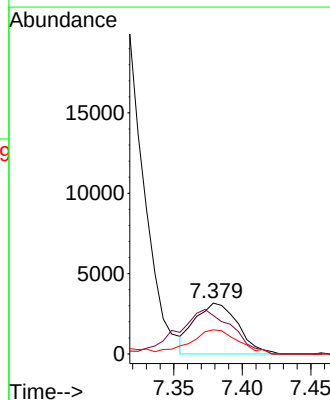
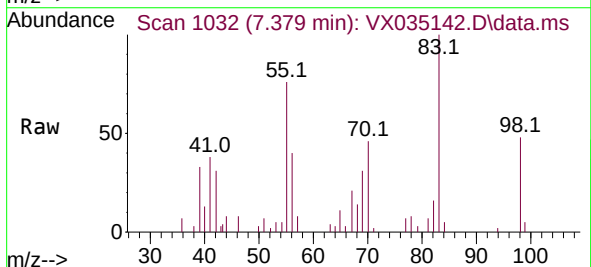
Instrument :
MSVOA_X
ClientSampleId :
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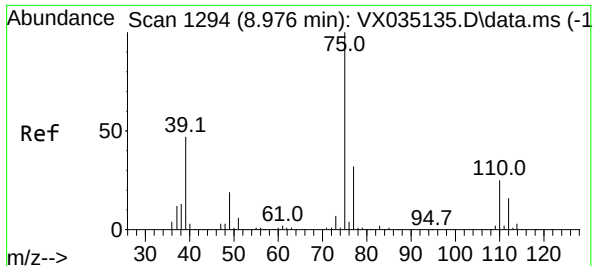
Tgt Ion:117 Resp: 126890
Ion Ratio Lower Upper
117 100
119 97.2 77.1 115.7



#35
Methylcyclohexane
Concen: 1.611 ug/L
RT: 7.379 min Scan# 1032
Delta R.T. 0.000 min
Lab File: VX035142.D
Acq: 18 Apr 2023 23:01

Tgt Ion: 83 Resp: 6936
Ion Ratio Lower Upper
83 100
55 108.5 62.2 93.2#
98 52.4 39.3 58.9

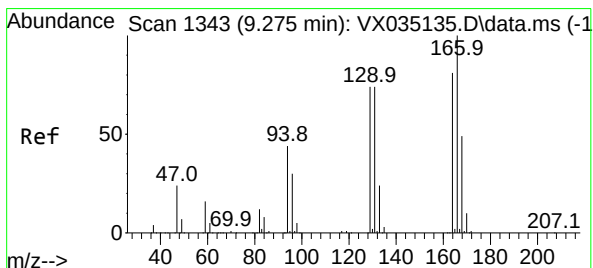
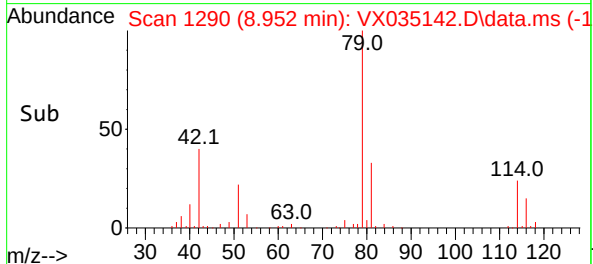
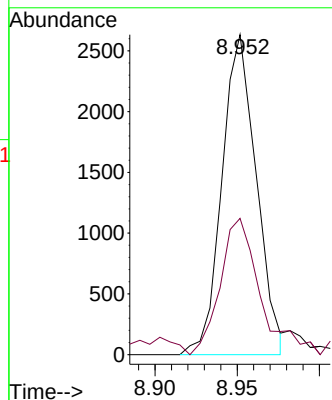
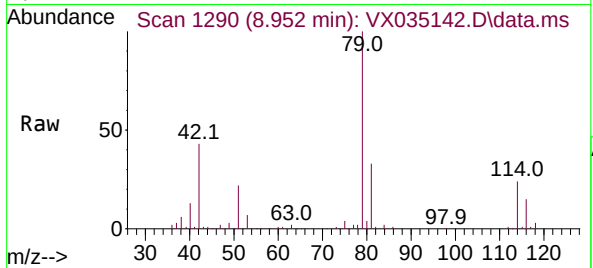




#44
trans-1,3-Dichloropropene
Concen: 0.898 ug/L
RT: 8.952 min Scan# 11
Delta R.T. -0.024 min
Lab File: VX035142.D
Acq: 18 Apr 2023 23:01

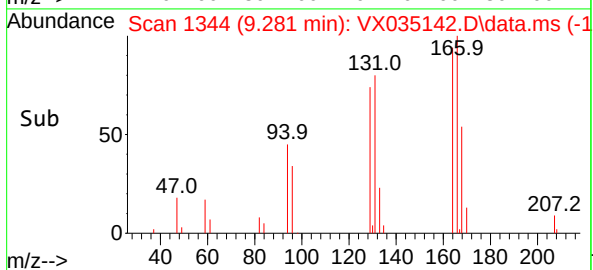
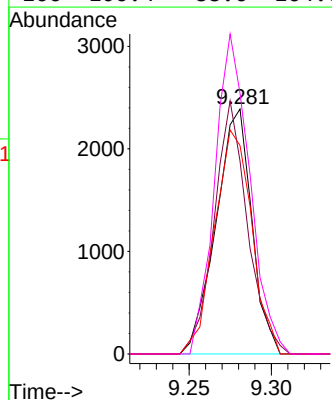
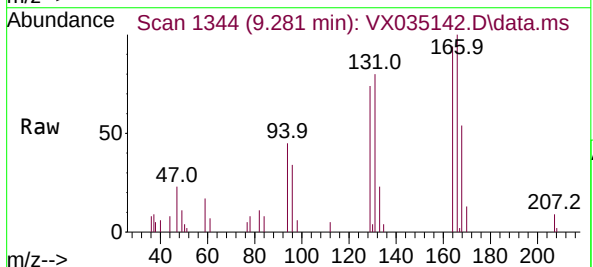
Instrument :
MSVOA_X
ClientSampleId :
COML8

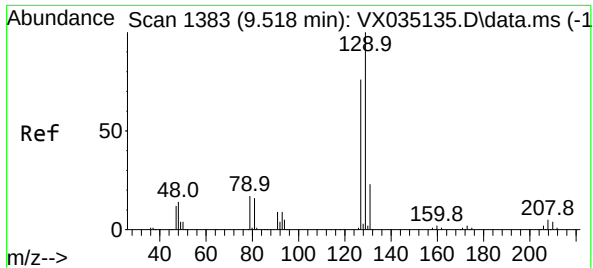
Tgt Ion: 75 Resp: 3830
Ion Ratio Lower Upper
75 100
77 42.6 22.0 40.8#



#46
Tetrachloroethene
Concen: 1.514 ug/L
RT: 9.281 min Scan# 1344
Delta R.T. 0.006 min
Lab File: VX035142.D
Acq: 18 Apr 2023 23:01

Tgt Ion: 164 Resp: 3606
Ion Ratio Lower Upper
164 100
129 78.7 66.1 122.8
131 85.1 65.0 120.8
166 106.4 88.6 164.6





#49

Dibromochloromethane

Concen: 1.216 ug/L

RT: 9.275 min Scan# 11

Delta R.T. -0.244 min

Lab File: VX035142.D

Acq: 18 Apr 2023 23:01

Instrument :

MSVOA_X

ClientSampleId :

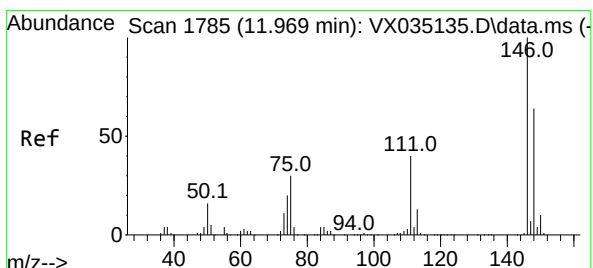
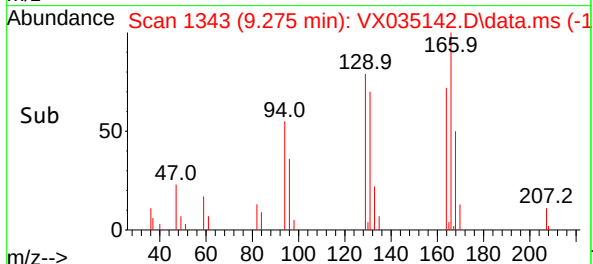
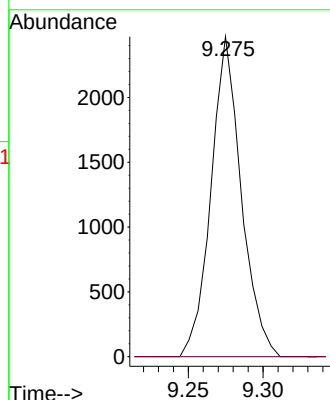
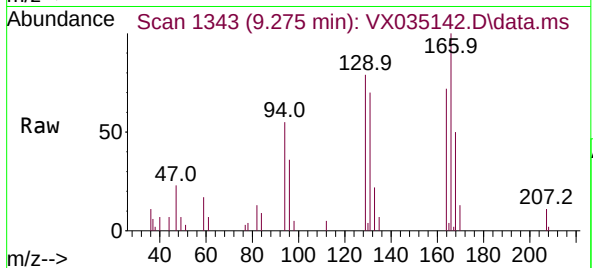
COML8

Tgt Ion:129 Resp: 3471

Ion Ratio Lower Upper

129 100

127 0.0 54.8 101.8#



#64

1,3-Dichlorobenzene

Concen: 453.382 ug/L

RT: 11.976 min Scan# 1786

Delta R.T. 0.006 min

Lab File: VX035142.D

Acq: 18 Apr 2023 23:01

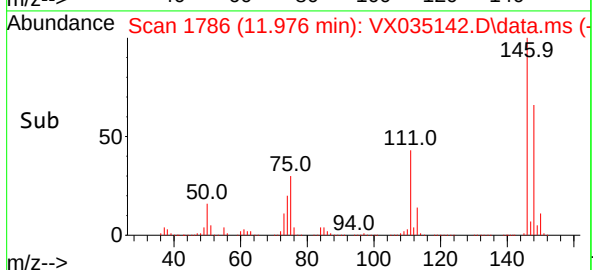
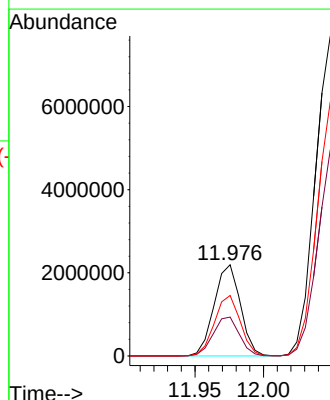
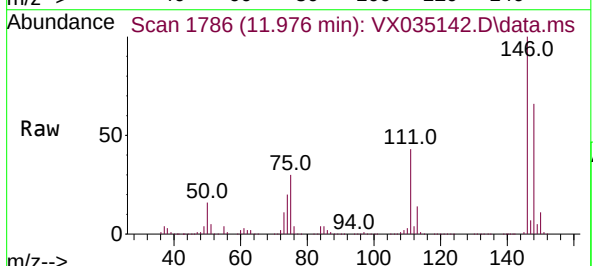
Tgt Ion:146 Resp: 2923860

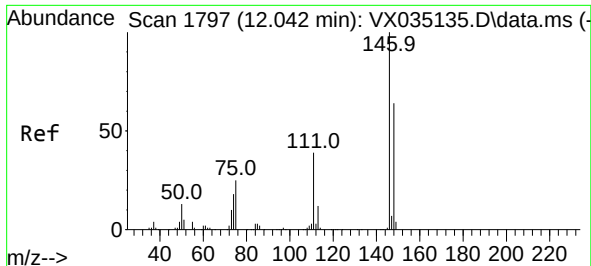
Ion Ratio Lower Upper

146 100

111 42.6 28.9 53.7

148 66.2 44.3 82.3

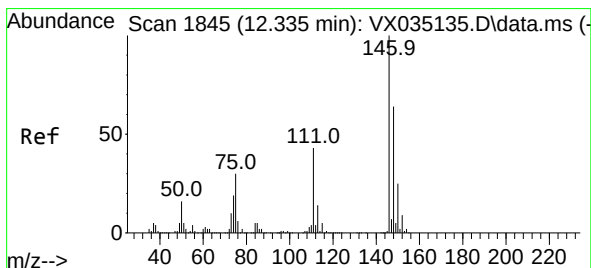
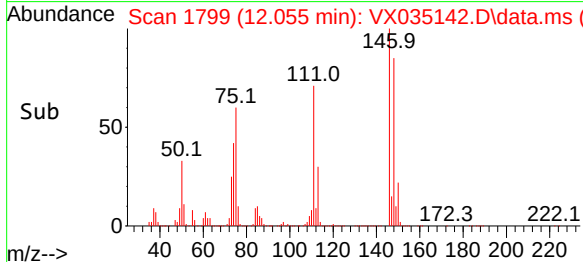
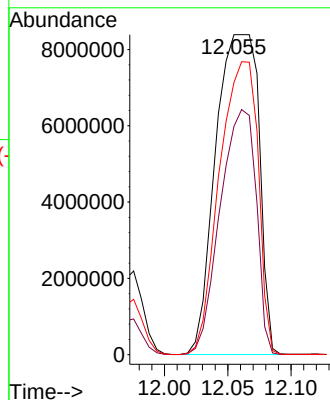
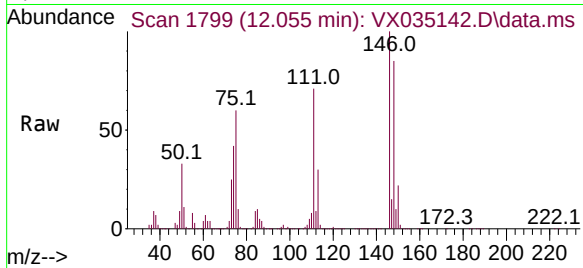




#65
1,4-Dichlorobenzene
Concen: 3025.895 ug/L
RT: 12.055 min Scan# 11
Delta R.T. 0.012 min
Lab File: VX035142.D
Acq: 18 Apr 2023 23:01

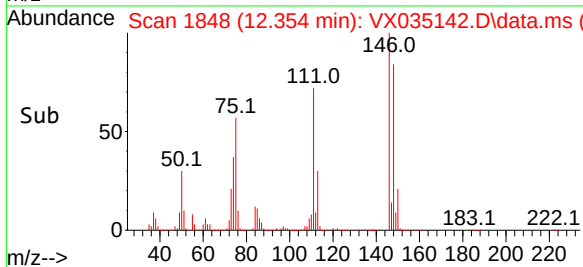
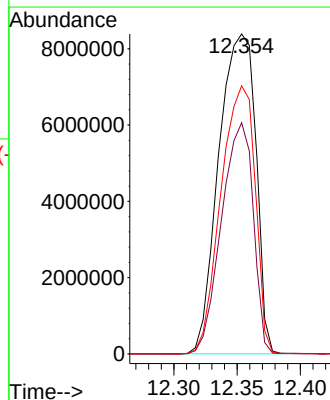
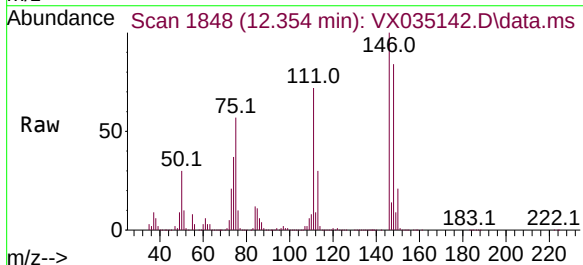
Instrument :
MSVOA_X
ClientSampleId :
COML8

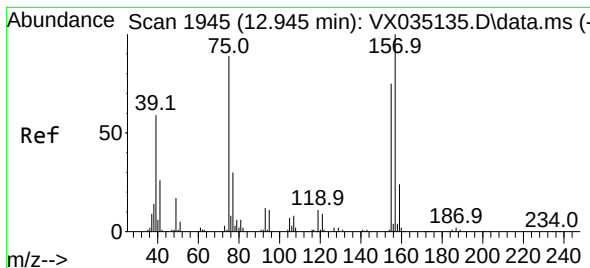
Tgt Ion:146 Resp:19968047
Ion Ratio Lower Upper
146 100
111 71.4 27.9 51.7#
148 85.0 45.9 85.3



#67
1,2-Dichlorobenzene
Concen: 2613.666 ug/L
RT: 12.354 min Scan# 1848
Delta R.T. 0.018 min
Lab File: VX035142.D
Acq: 18 Apr 2023 23:01

Tgt Ion:146 Resp:17090770
Ion Ratio Lower Upper
146 100
111 72.2 34.7 52.1#
148 83.8 52.1 78.1#

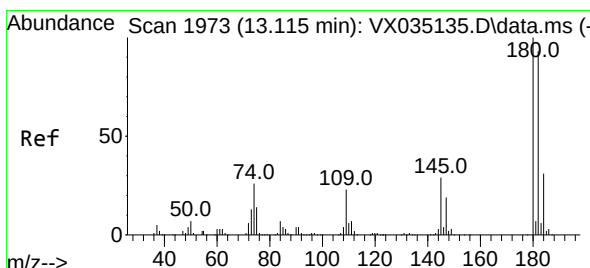
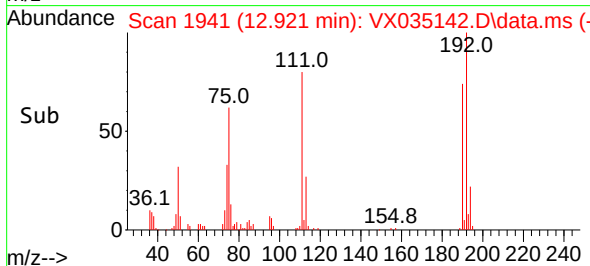
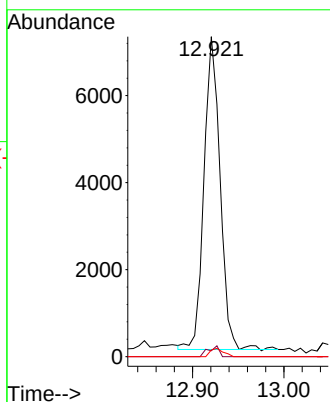
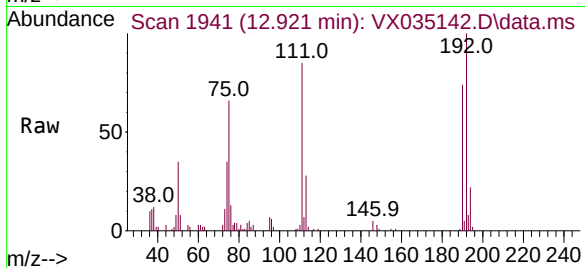




#68
 1,2-Dibromo-3-chloropropane
 Concen: 9.274 ug/L
 RT: 12.921 min Scan# 1945
 Delta R.T. -0.024 min
 Lab File: VX035142.D
 Acq: 18 Apr 2023 23:01

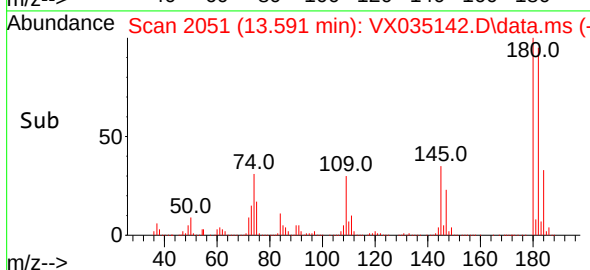
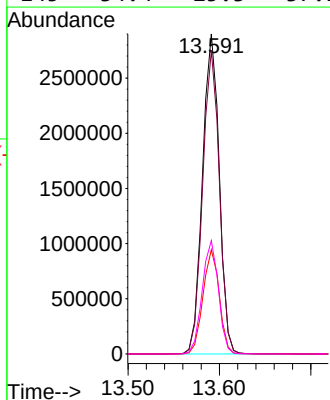
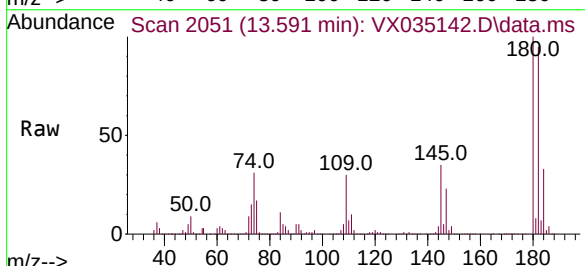
Instrument :
 MSVOA_X
 ClientSampleId :
 COM18

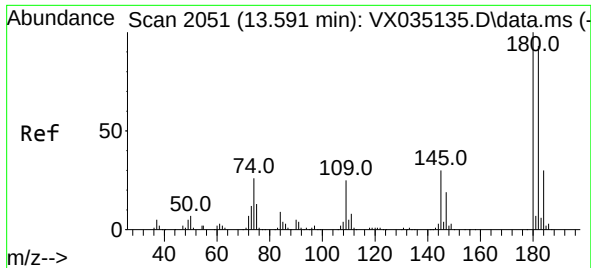
Tgt Ion: 75 Resp: 8786
 Ion Ratio Lower Upper
 75 100
 155 1.9 69.9 104.9#
 157 2.1 90.4 135.6#



#69
 1,3,5-Trichlorobenzene
 Concen: 921.661 ug/L
 RT: 13.591 min Scan# 2051
 Delta R.T. 0.476 min
 Lab File: VX035142.D
 Acq: 18 Apr 2023 23:01

Tgt Ion: 180 Resp: 3674538
 Ion Ratio Lower Upper
 180 100
 182 94.3 75.4 113.0
 184 31.8 23.8 35.8
 145 34.4 25.3 37.9

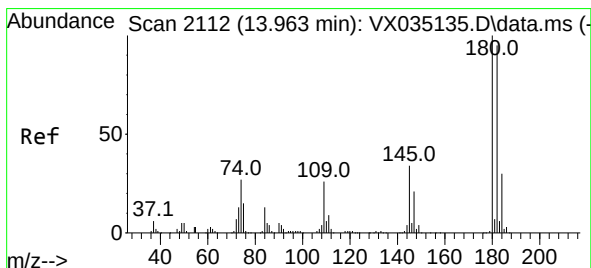
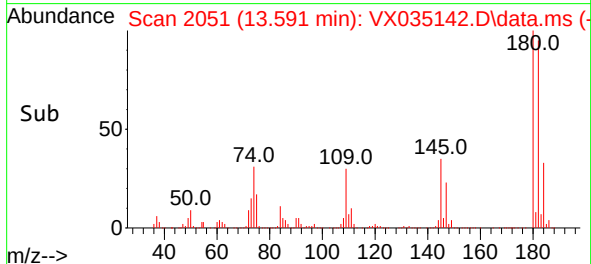
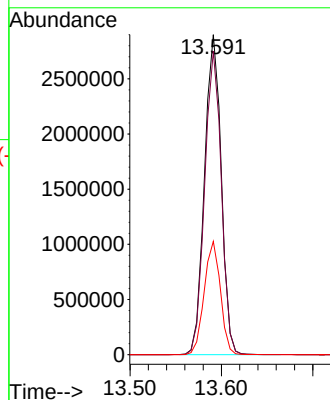
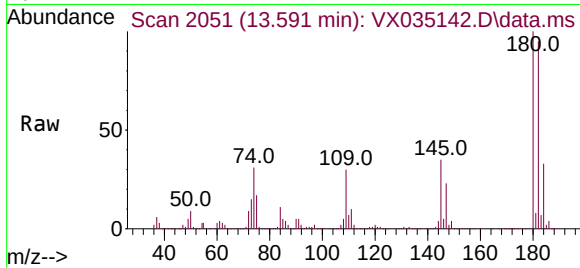




#70
1,2,4-trichlorobenzene
Concen: 984.298 ug/L
RT: 13.591 min Scan# 2051
Delta R.T. 0.000 min
Lab File: VX035142.D
Acq: 18 Apr 2023 23:01

Instrument :
MSVOA_X
ClientSampleId :
COML8

Tgt Ion:180 Resp: 3674538
Ion Ratio Lower Upper
180 100
182 94.2 76.6 114.8
145 34.4 26.2 39.4



#72
1,2,3-Trichlorobenzene
Concen: 147.215 ug/L
RT: 13.963 min Scan# 2112
Delta R.T. 0.000 min
Lab File: VX035142.D
Acq: 18 Apr 2023 23:01

Tgt Ion:180 Resp: 542545
Ion Ratio Lower Upper
180 100
182 95.0 75.0 112.6
145 34.1 27.1 40.7

