

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX041124\
 Data File : VX040974.D
 Acq On : 11 Apr 2024 13:13
 Operator : JC/MD
 Sample : P2048-04
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Apr 12 01:46:50 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\SFAMXML041024WMA.M
 Quant Title : VOC Analysis
 QLast Update : Thu Apr 11 05:36:34 2024
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	6.781	114	294575	50.000	ug/L	0.02
28) Chlorobenzene-d5	10.098	117	195542	50.000	ug/L	# 0.04
58) 1,4-Dichlorobenzene-d4	12.043	152	168730	50.000	ug/L	# 0.02
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.368	65	95197	45.435	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	90.880%
7) Chloroethane-d5	1.666	69	81655	47.785	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	95.580%
11) 1,1-Dichloroethene-d2	2.307	65	42289	47.275	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	94.540%
21) 2-Butanone-d5	4.459	46	116244	101.851	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	101.850%
24) Chloroform-d	5.062	84	215118	55.026	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	110.060%
26) 1,2-Dichloroethane-d4	5.983	65	26754	10.521	ug/L	0.03
Spiked Amount	50.000	Range	70 - 125	Recovery	=	21.040%#
32) Benzene-d6	6.086	84	361557	68.107	ug/L	0.11
Spiked Amount	50.000	Range	70 - 125	Recovery	=	136.220%#
36) 1,2-Dichloropropane-d6	7.318	67	107945	69.720	ug/L	0.01
Spiked Amount	50.000	Range	70 - 120	Recovery	=	139.440%#
41) Toluene-d8	8.653	98	345653	66.647	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	133.300%#
43) trans-1,3-Dichloroprop...	8.952	79	49392	63.393	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	126.780%#
47) 2-Hexanone-d5	9.391	63	91363	139.962	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	139.960%#
56) 1,1,2,2-Tetrachloroeth...	11.195	84	150575	65.654	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	131.300%#
66) 1,2-Dichlorobenzene-d4	12.341	152	161724	47.781	ug/L	0.02
Spiked Amount	50.000	Range	80 - 120	Recovery	=	95.560%
Target Compounds						
					Qvalue	
12) 1,1-Dichloroethene	2.313	96	2121	1.199	ug/L	# 1
13) Acetone	2.380	43	4482	3.623	ug/L	97
14) Carbon disulfide	2.514	76	32288	7.261	ug/L	100
16) Methylene chloride	2.788	84	8247	4.472	ug/L	96
25) Chloroform	5.099	83	805356	225.883	ug/L	98
27) 1,2-Dichloroethane	6.147	62	1468590	512.473	ug/L	# 74
29) Cyclohexane	5.483	56	28869	14.737	ug/L	99
34) Trichloroethene	7.141	95	11598	7.969	ug/L	96
35) Methylcyclohexane	7.391	83	4689	2.272	ug/L	# 68
39) cis-1,3-Dichloropropene	8.330	75	3232	1.506	ug/L	# 34
42) Toluene	8.726	91	68630	12.215	ug/L	99
44) trans-1,3-Dichloropropene	8.952	75	2275	1.135	ug/L	# 69
46) Tetrachloroethene	9.281	164	9742	7.107	ug/L	96
48) 2-Hexanone	9.391	43	5492	3.437	ug/L	# 62
51) Chlorobenzene	10.336	112	14411	3.660	ug/L	98
57) 1,1,2,2-Tetrachloroethane	11.213	83	2208	0.999	ug/L	# 89
64) 1,3-Dichlorobenzene	11.976	146	2879172	556.257	ug/L	97
65) 1,4-Dichlorobenzene	12.061	146	5254128	988.827	ug/L	# 61
67) 1,2-Dichlorobenzene	12.360	146	22086786	4398.843	ug/L	# 68

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Quant Title : VOC Analysis
QLast Update : Thu Apr 11 05:36:34 2024
Response via : Initial Calibration

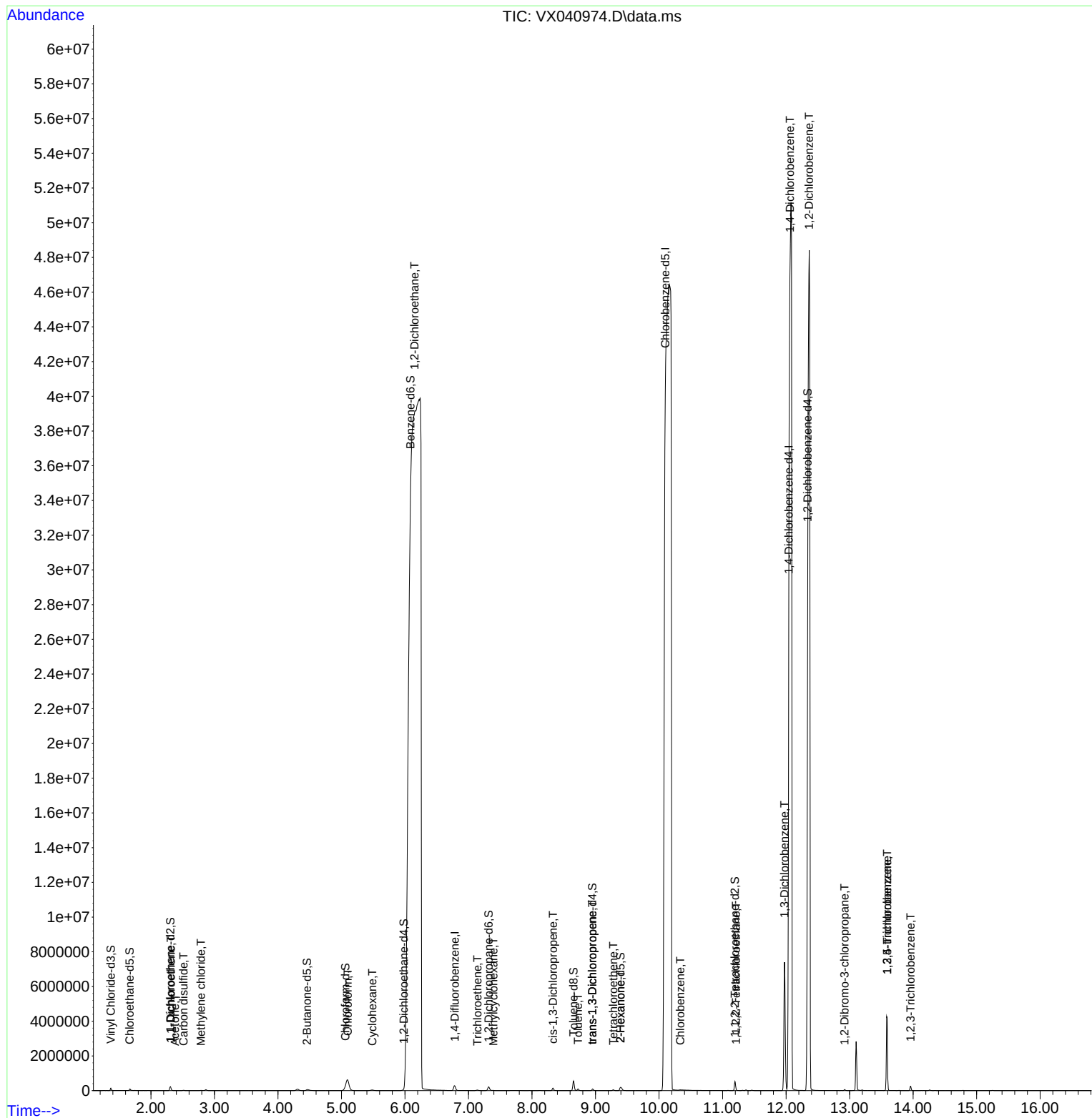
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
68) 1,2-Dibromo-3-chloropr...	12.920	75	7094	9.628	ug/L	# 1
69) 1,3,5-Trichlorobenzene	13.591	180	1151083	290.391	ug/L	99
70) 1,2,4-trichlorobenzene	13.591	180	1151083	306.435	ug/L	100
72) 1,2,3-Trichlorobenzene	13.963	180	71528	19.416	ug/L	99

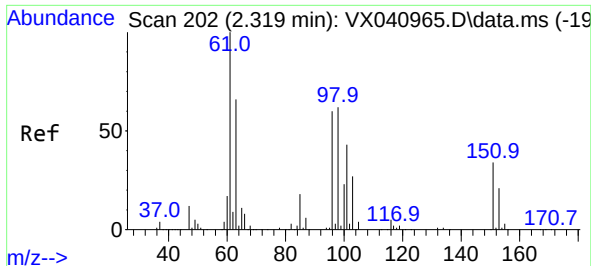
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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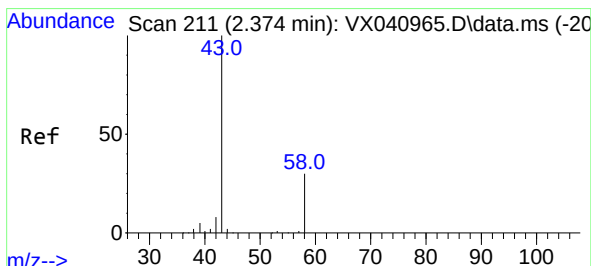
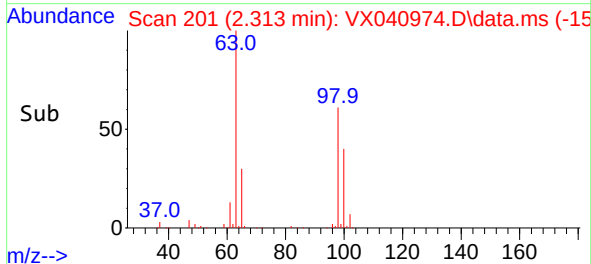
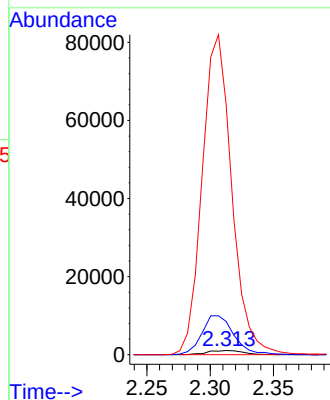
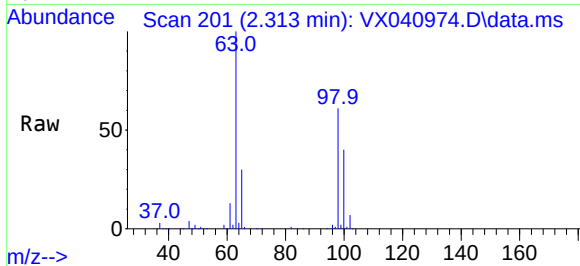




#12
1,1-Dichloroethene
Concen: 1.199 ug/L
RT: 2.313 min Scan# 20
Delta R.T. -0.006 min
Lab File: VX040974.D
Acq: 11 Apr 2024 13:13

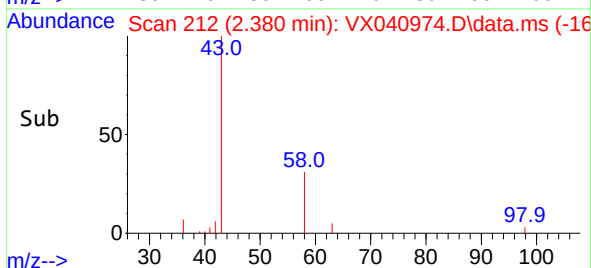
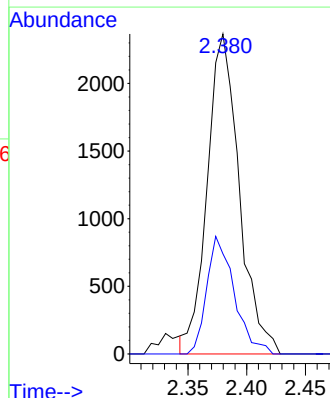
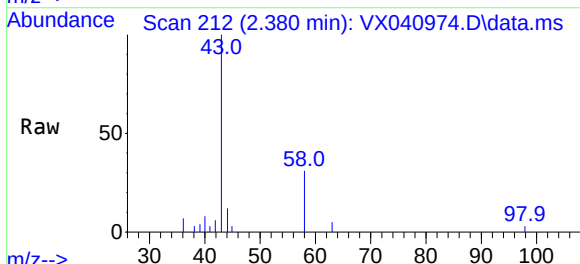
Instrument :
MSVOA_X
ClientSampleId :

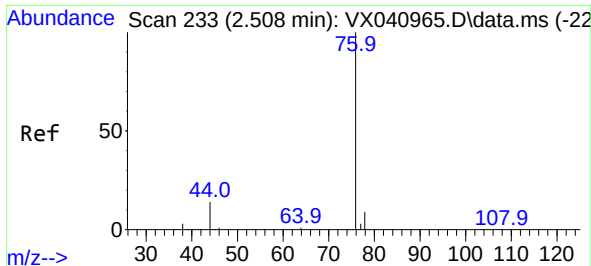
Tgt Ion: 96 Resp: 2121
Ion Ratio Lower Upper
96 100
61 791.3 113.6 211.0#
63 5963.6 89.3 165.9#



#13
Acetone
Concen: 3.623 ug/L
RT: 2.380 min Scan# 212
Delta R.T. 0.000 min
Lab File: VX040974.D
Acq: 11 Apr 2024 13:13

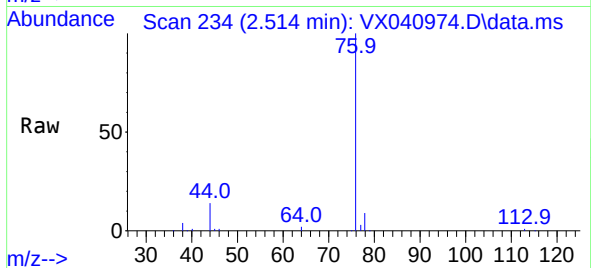
Tgt Ion: 43 Resp: 4482
Ion Ratio Lower Upper
43 100
58 31.1 0.0 59.4



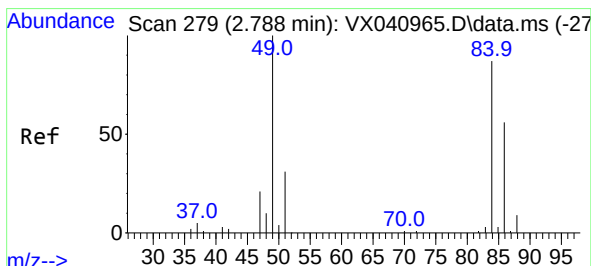
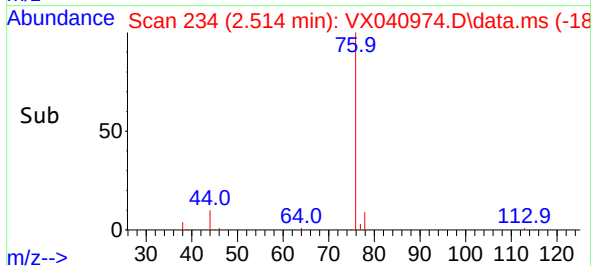
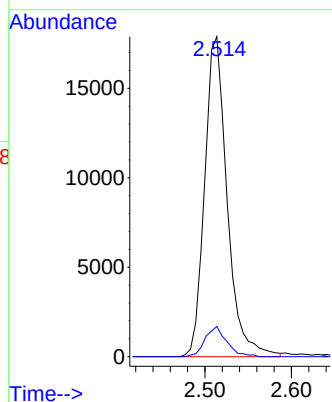


#14
Carbon disulfide
Concen: 7.261 ug/L
RT: 2.514 min Scan# 211
Delta R.T. 0.000 min
Lab File: VX040974.D
Acq: 11 Apr 2024 13:13

Instrument :
MSVOA_X
ClientSampleId :

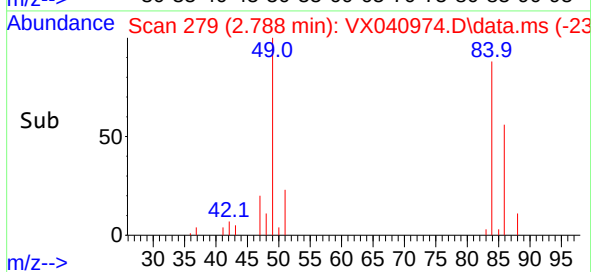
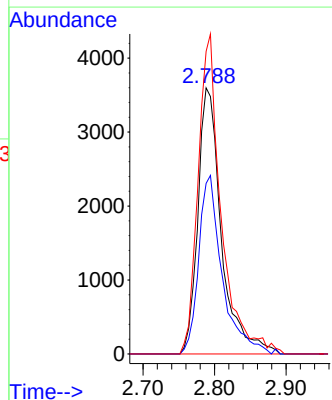
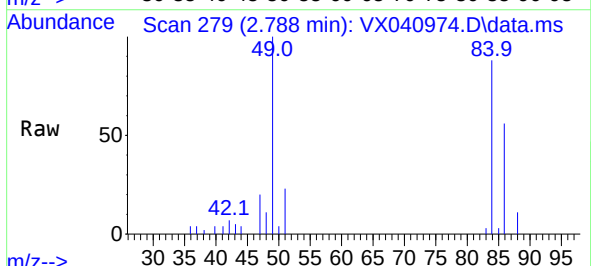


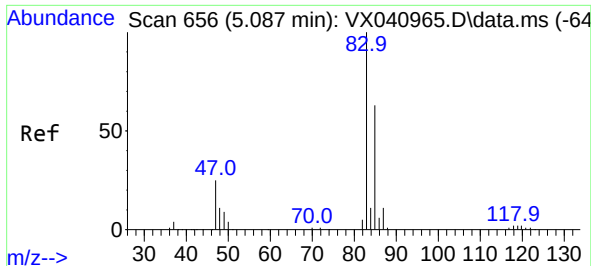
Tgt Ion: 76 Resp: 32288
Ion Ratio Lower Upper
76 100
78 9.5 7.4 11.2



#16
Methylene chloride
Concen: 4.472 ug/L
RT: 2.788 min Scan# 279
Delta R.T. 0.000 min
Lab File: VX040974.D
Acq: 11 Apr 2024 13:13

Tgt Ion: 84 Resp: 8247
Ion Ratio Lower Upper
84 100
86 64.1 45.9 85.3
49 113.7 83.1 154.3

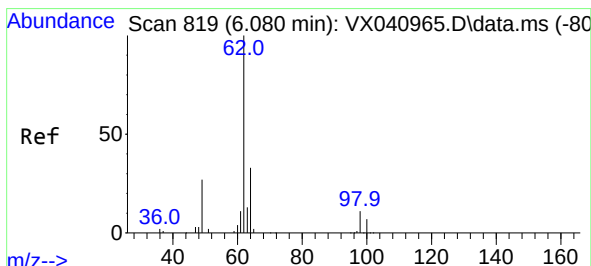
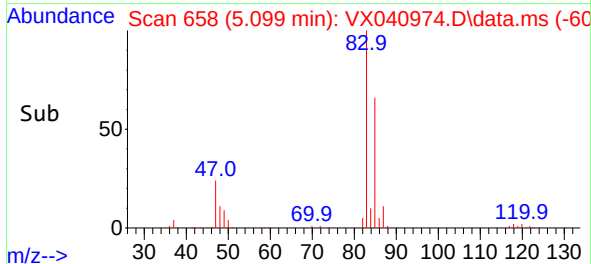
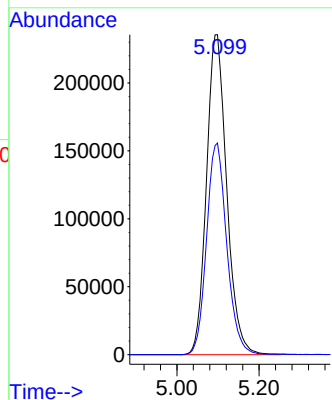
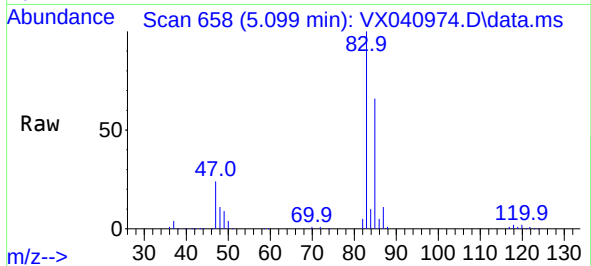




#25
Chloroform
Concen: 225.883 ug/L
RT: 5.099 min Scan# 61
Delta R.T. 0.006 min
Lab File: VX040974.D
Acq: 11 Apr 2024 13:13

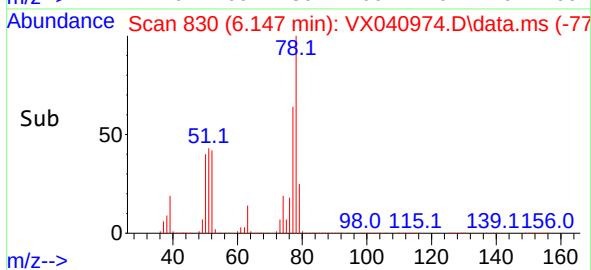
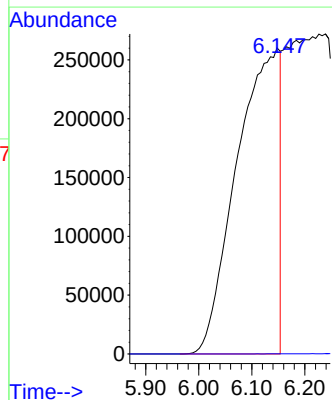
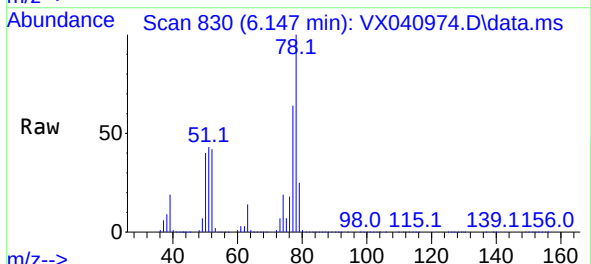
Instrument :
MSVOA_X
ClientSampleId :

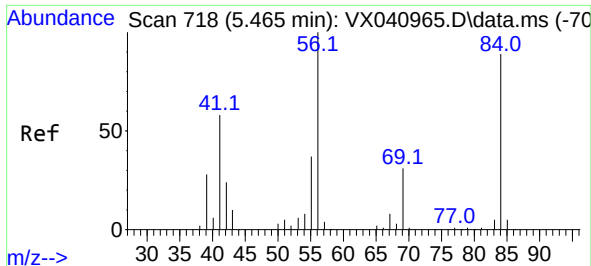
Tgt Ion: 83 Resp: 805356
Ion Ratio Lower Upper
83 100
85 66.2 45.4 84.4



#27
1,2-Dichloroethane
Concen: 512.473 ug/L
RT: 6.147 min Scan# 830
Delta R.T. 0.061 min
Lab File: VX040974.D
Acq: 11 Apr 2024 13:13

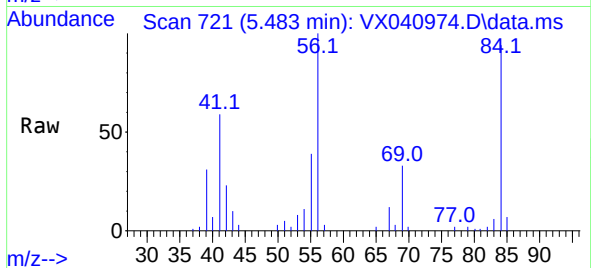
Tgt Ion: 62 Resp: 1468590
Ion Ratio Lower Upper
62 100
98 0.0 7.7 11.5#



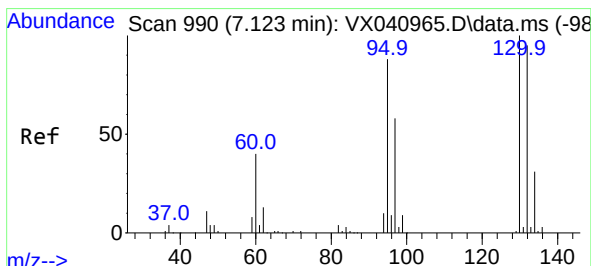
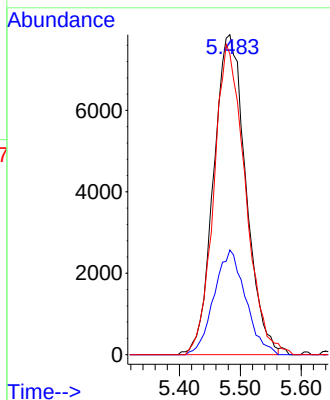
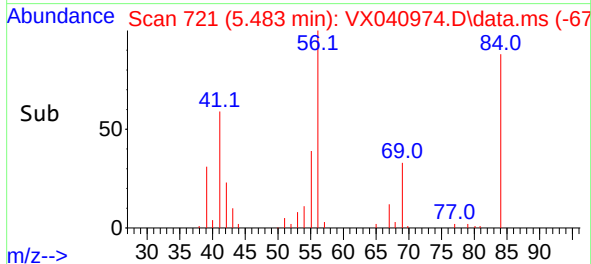


#29
Cyclohexane
Concen: 14.737 ug/L
RT: 5.483 min Scan# 718
Delta R.T. 0.012 min
Lab File: VX040974.D
Acq: 11 Apr 2024 13:13

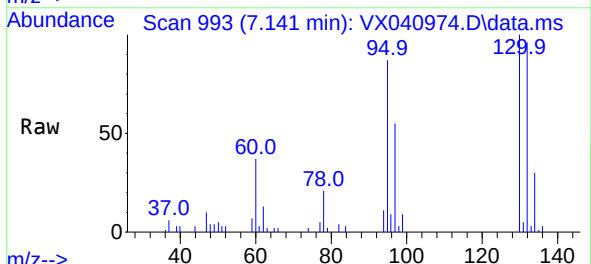
Instrument :
MSVOA_X
ClientSampleId :



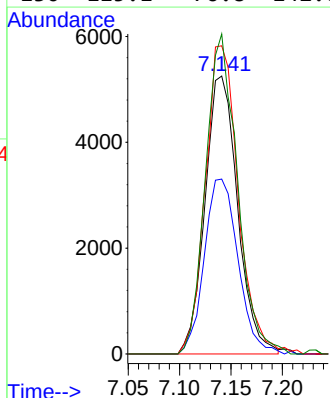
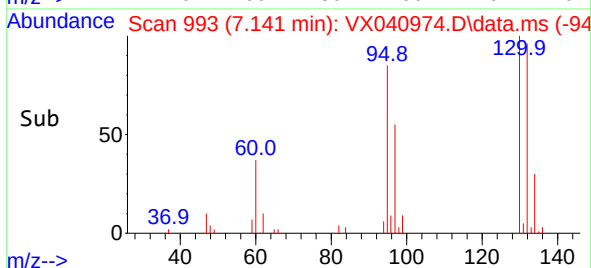
Tgt Ion: 56 Resp: 28869
Ion Ratio Lower Upper
56 100
69 32.1 25.0 37.4
84 94.7 74.9 112.3

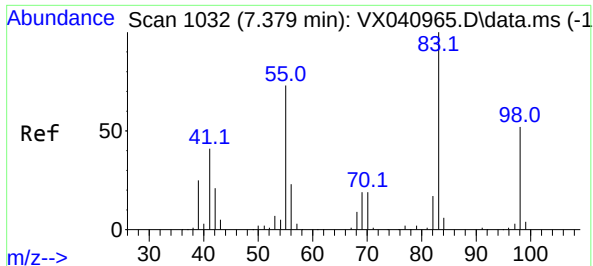


#34
Trichloroethene
Concen: 7.969 ug/L
RT: 7.141 min Scan# 993
Delta R.T. 0.018 min
Lab File: VX040974.D
Acq: 11 Apr 2024 13:13



Tgt Ion: 95 Resp: 11598
Ion Ratio Lower Upper
95 100
97 62.9 43.2 80.2
132 110.9 74.3 138.1
130 115.1 76.8 142.6





#35

Methylcyclohexane

Concen: 2.272 ug/L

RT: 7.391 min Scan# 1188

Delta R.T. 0.012 min

Lab File: VX040974.D

Acq: 11 Apr 2024 13:13

Instrument :

MSVOA_X

ClientSampleId :

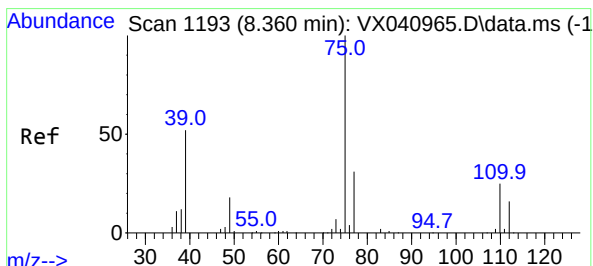
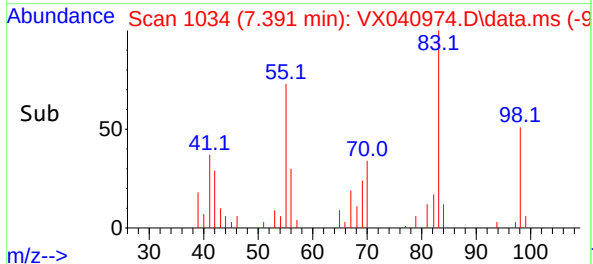
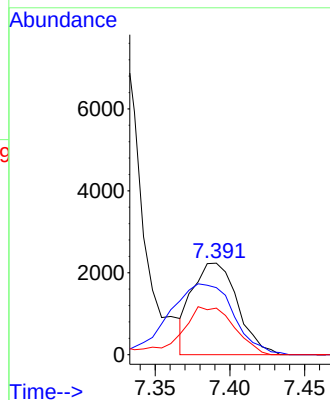
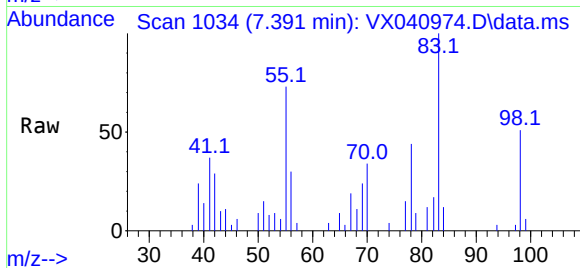
Tgt Ion: 83 Resp: 4689

Ion Ratio Lower Upper

83 100

55 111.7 58.9 88.3#

98 60.7 40.9 61.3



#39

cis-1,3-Dichloropropene

Concen: 1.506 ug/L

RT: 8.330 min Scan# 1188

Delta R.T. -0.037 min

Lab File: VX040974.D

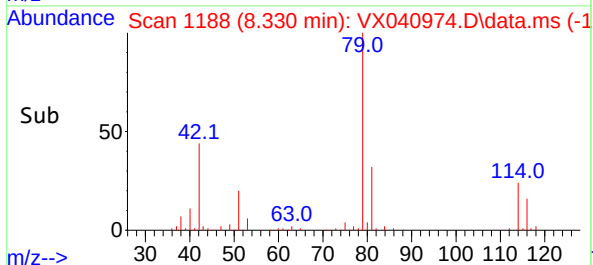
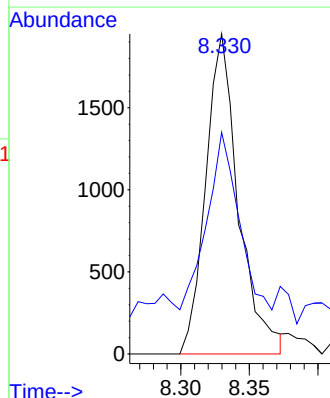
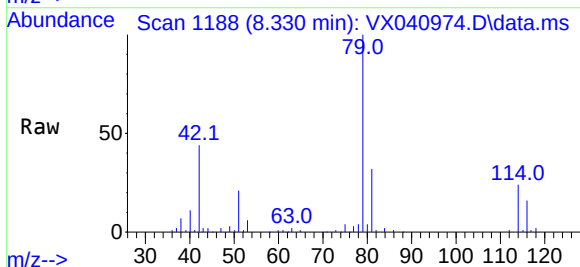
Acq: 11 Apr 2024 13:13

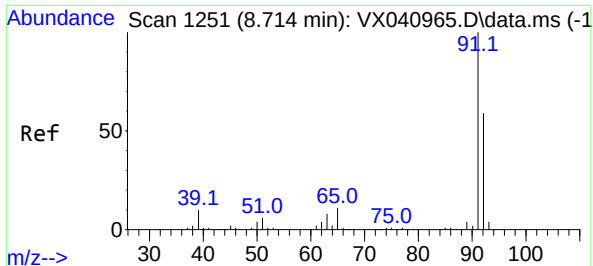
Tgt Ion: 75 Resp: 3232

Ion Ratio Lower Upper

75 100

77 69.3 22.7 42.1#





#42

Toluene

Concen: 12.215 ug/L

RT: 8.726 min Scan# 11

Delta R.T. 0.006 min

Lab File: VX040974.D

Acq: 11 Apr 2024 13:13

Instrument :

MSVOA_X

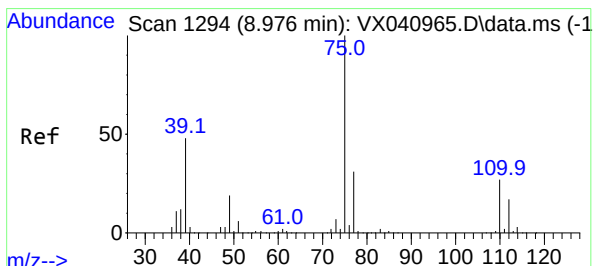
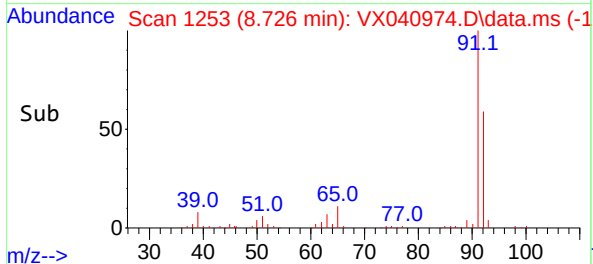
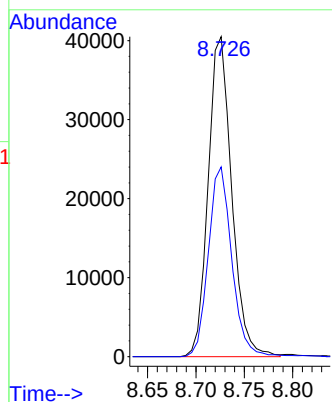
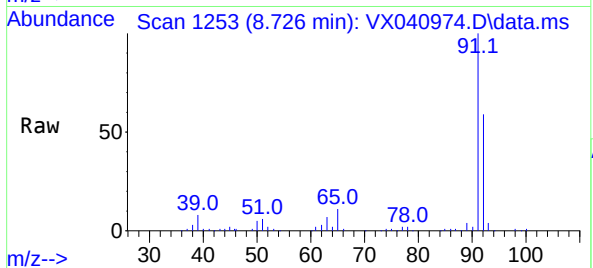
ClientSampleId :

Tgt Ion: 91 Resp: 68630

Ion Ratio Lower Upper

91 100

92 59.3 40.9 76.0



#44

trans-1,3-Dichloropropene

Concen: 1.135 ug/L

RT: 8.952 min Scan# 1290

Delta R.T. -0.024 min

Lab File: VX040974.D

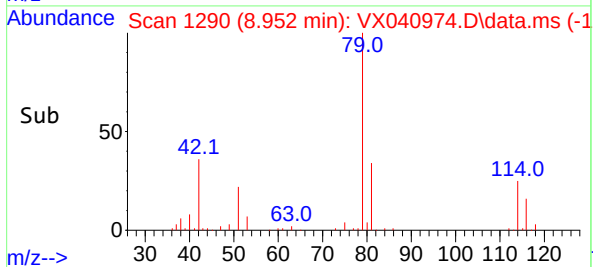
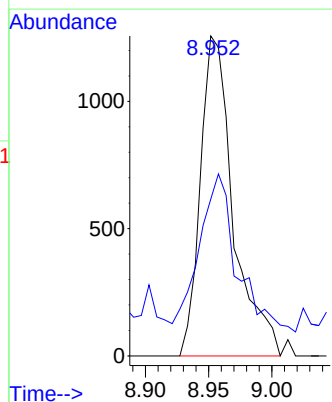
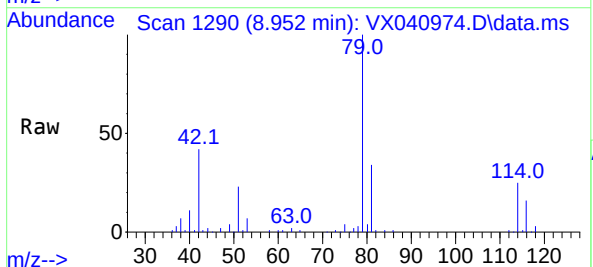
Acq: 11 Apr 2024 13:13

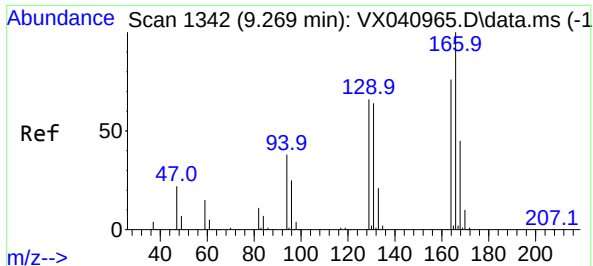
Tgt Ion: 75 Resp: 2275

Ion Ratio Lower Upper

75 100

77 49.0 22.2 41.2#





#46

Tetrachloroethene

Concen: 7.107 ug/L

RT: 9.281 min Scan# 11

Delta R.T. 0.006 min

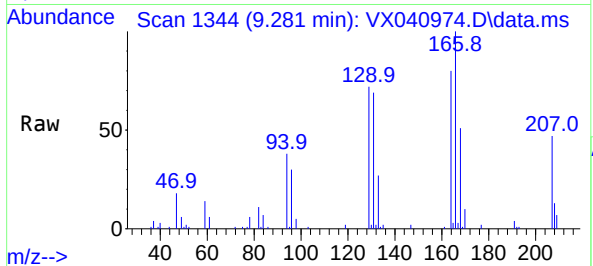
Lab File: VX040974.D

Acq: 11 Apr 2024 13:13

Instrument :

MSVOA_X

ClientSampleId :



Tgt Ion:164 Resp: 9742

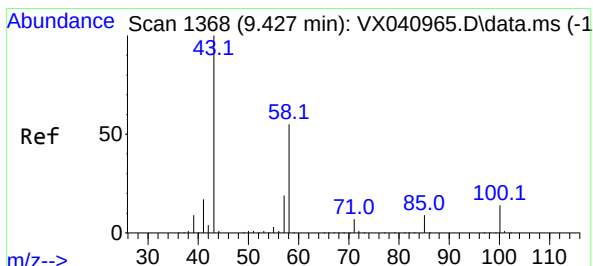
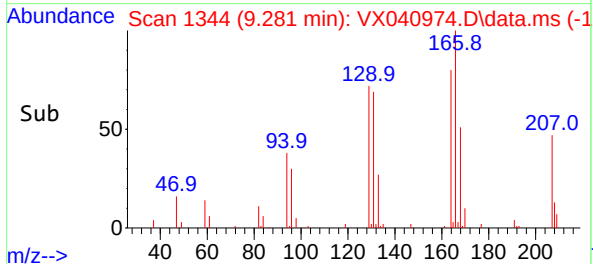
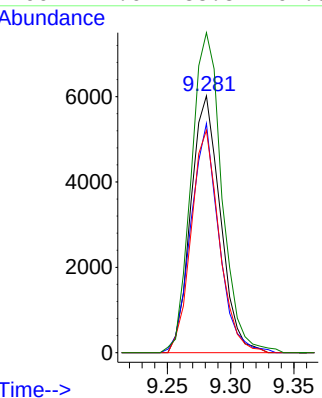
Ion Ratio Lower Upper

164 100

129 89.2 58.9 109.5

131 86.6 56.6 105.2

166 124.6 88.8 164.8



#48

2-Hexanone

Concen: 3.437 ug/L

RT: 9.391 min Scan# 1362

Delta R.T. -0.037 min

Lab File: VX040974.D

Acq: 11 Apr 2024 13:13

Tgt Ion: 43 Resp: 5492

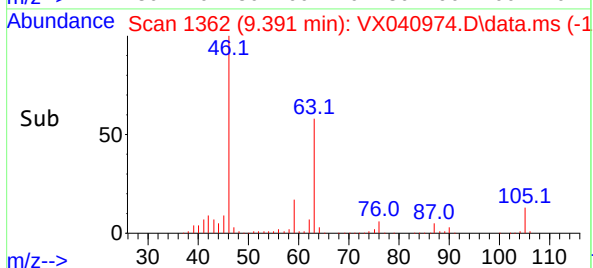
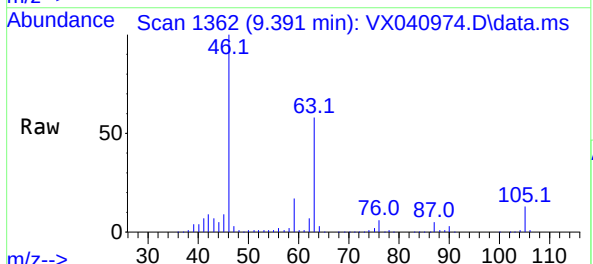
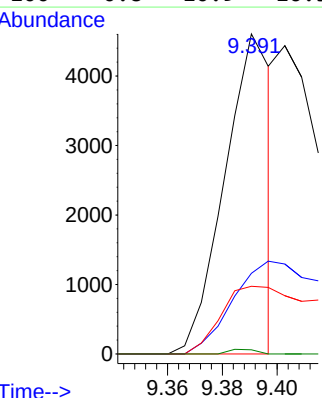
Ion Ratio Lower Upper

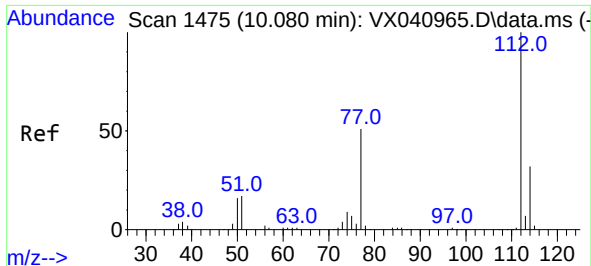
43 100

58 74.4 43.2 64.8#

57 50.5 15.4 23.2#

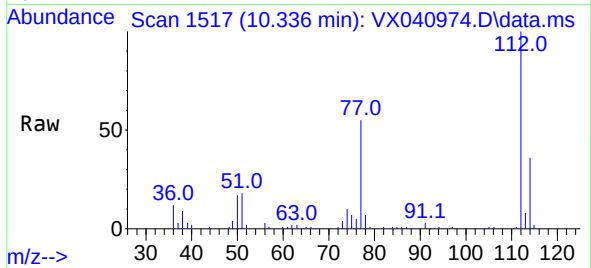
100 0.8 10.9 16.3#



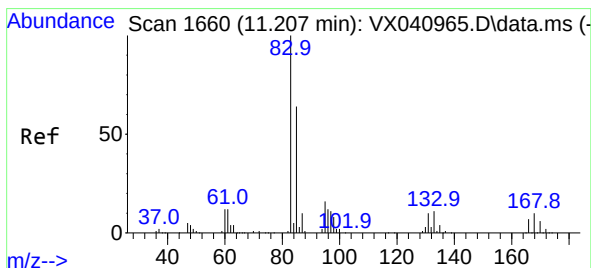
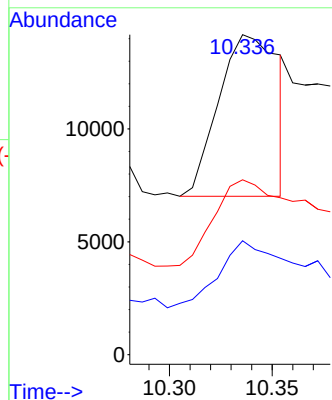
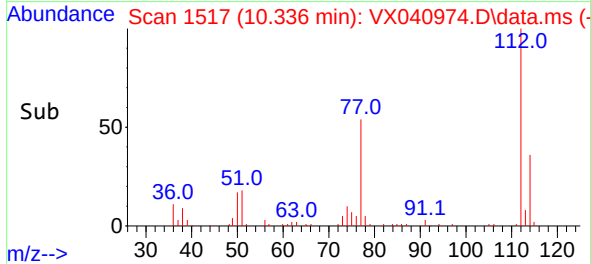


#51
Chlorobenzene
Concen: 3.660 ug/L
RT: 10.336 min Scan# 11
Delta R.T. 0.256 min
Lab File: VX040974.D
Acq: 11 Apr 2024 13:13

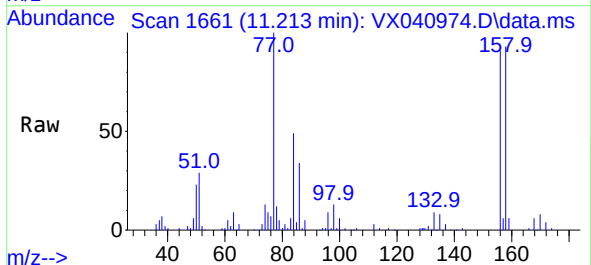
Instrument :
MSVOA_X
ClientSampleId :



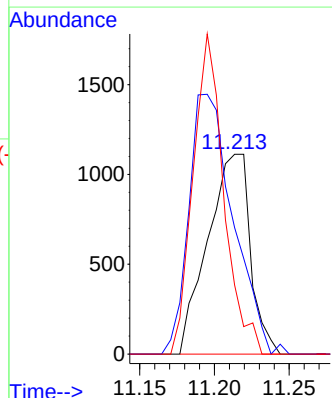
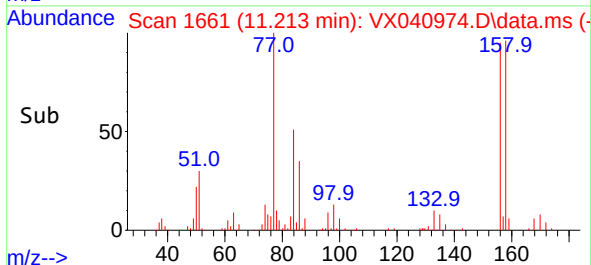
Tgt Ion:112 Resp: 14411
Ion Ratio Lower Upper
112 100
114 35.6 23.0 42.8
77 54.6 43.4 65.0

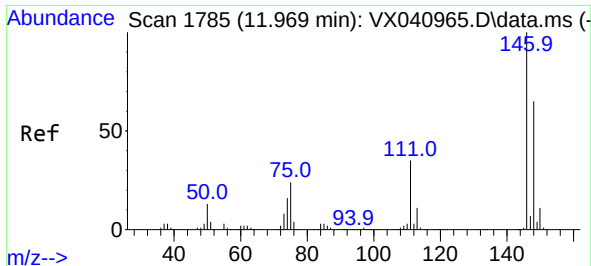


#57
1,1,2,2-Tetrachloroethane
Concen: 0.999 ug/L
RT: 11.213 min Scan# 1661
Delta R.T. 0.000 min
Lab File: VX040974.D
Acq: 11 Apr 2024 13:13



Tgt Ion: 83 Resp: 2208
Ion Ratio Lower Upper
83 100
85 63.3 45.8 85.0
131 34.5 9.4 14.2#

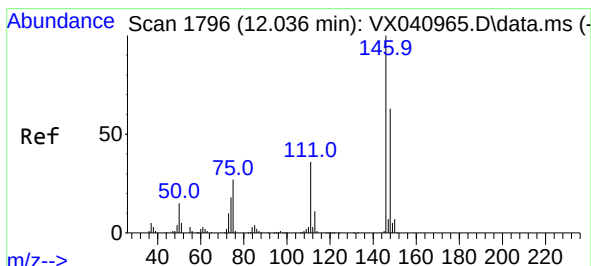
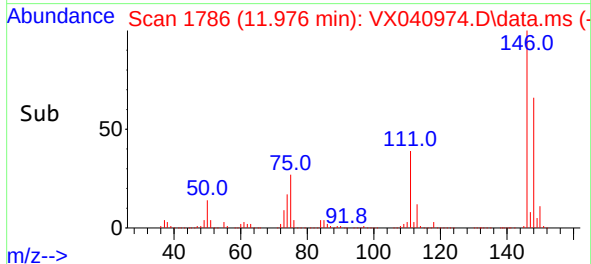
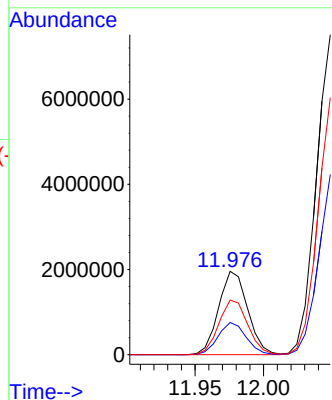
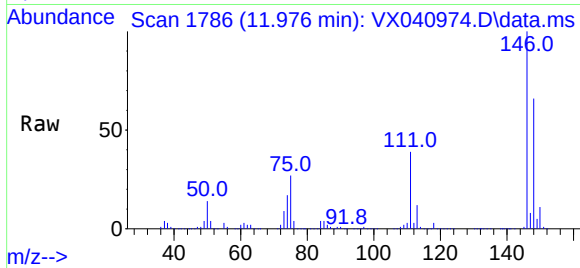




#64
1,3-Dichlorobenzene
Concen: 556.257 ug/L
RT: 11.976 min Scan# 11
Delta R.T. 0.006 min
Lab File: VX040974.D
Acq: 11 Apr 2024 13:13

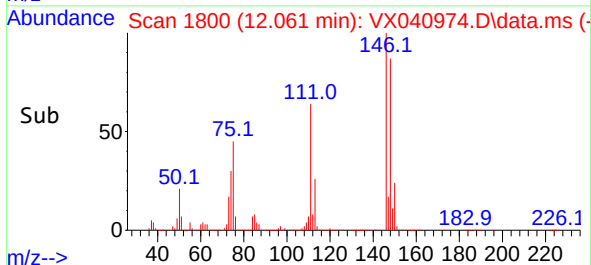
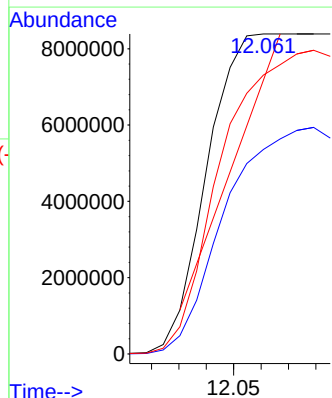
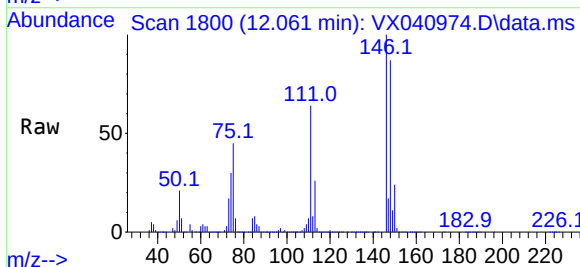
Instrument :
MSVOA_X
ClientSampleId :

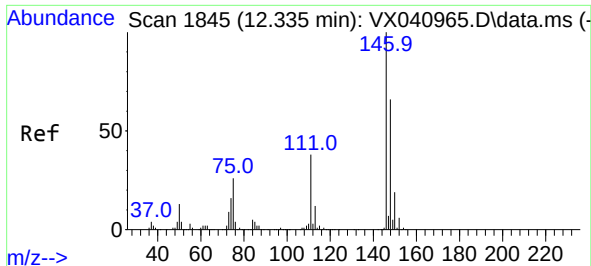
Tgt Ion:146 Resp: 2879172
Ion Ratio Lower Upper
146 100
111 38.7 25.3 47.1
148 65.6 44.7 82.9



#65
1,4-Dichlorobenzene
Concen: 988.827 ug/L
RT: 12.061 min Scan# 1800
Delta R.T. 0.018 min
Lab File: VX040974.D
Acq: 11 Apr 2024 13:13

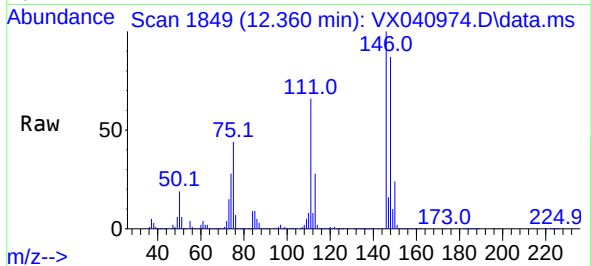
Tgt Ion:146 Resp: 5254128
Ion Ratio Lower Upper
146 100
111 63.9 23.4 43.6#
148 87.2 44.2 82.0#



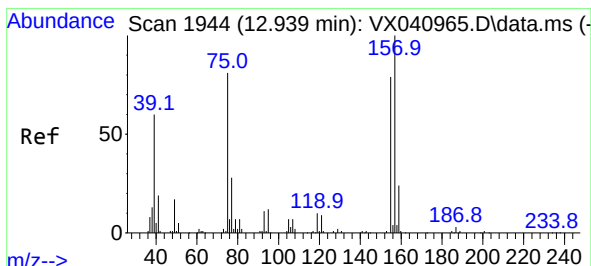
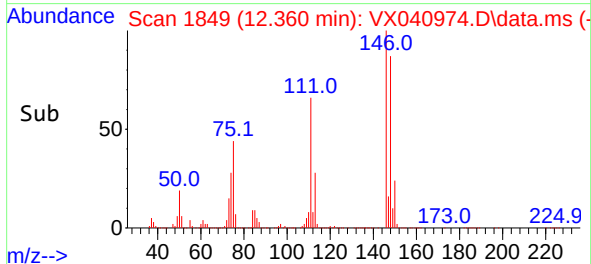
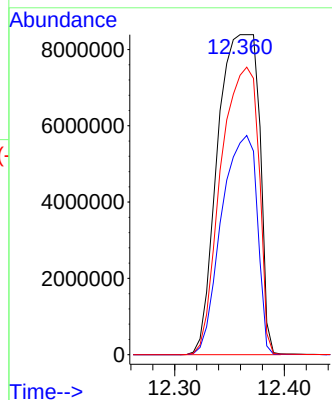


#67
1,2-Dichlorobenzene
Concen: 4398.843 ug/L
RT: 12.360 min Scan# 11
Delta R.T. 0.024 min
Lab File: VX040974.D
Acq: 11 Apr 2024 13:13

Instrument :
MSVOA_X
ClientSampleId :

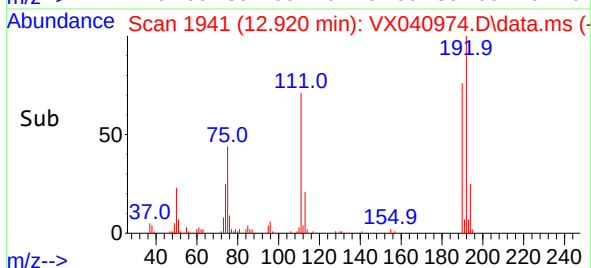
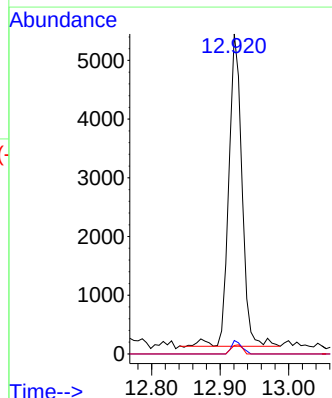
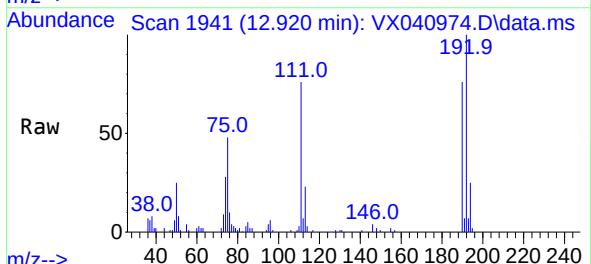


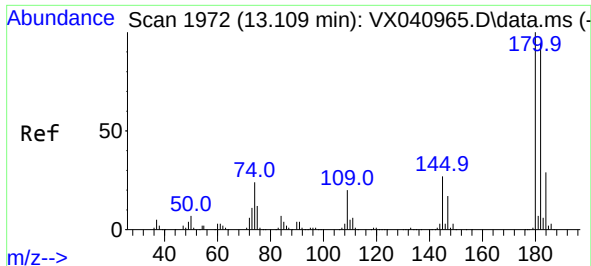
Tgt Ion:146 Resp:22086786
Ion Ratio Lower Upper
146 100
111 66.2 31.8 47.8#
148 87.3 53.2 79.8#



#68
1,2-Dibromo-3-chloropropane
Concen: 9.628 ug/L
RT: 12.920 min Scan# 1941
Delta R.T. -0.018 min
Lab File: VX040974.D
Acq: 11 Apr 2024 13:13

Tgt Ion: 75 Resp: 7094
Ion Ratio Lower Upper
75 100
155 4.2 75.6 113.4#
157 2.7 99.1 148.7#





#69

1,3,5-Trichlorobenzene

Concen: 290.391 ug/L

RT: 13.591 min Scan# 2051

Delta R.T. 0.482 min

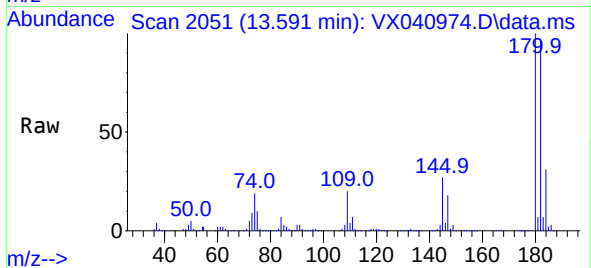
Lab File: VX040974.D

Acq: 11 Apr 2024 13:13

Instrument :

MSVOA_X

ClientSampleId :



Tgt Ion:180 Resp: 1151083

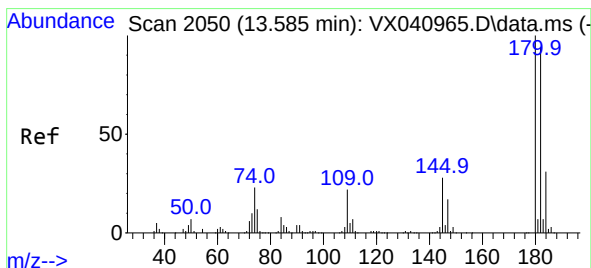
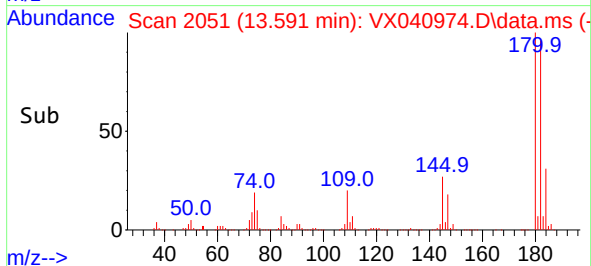
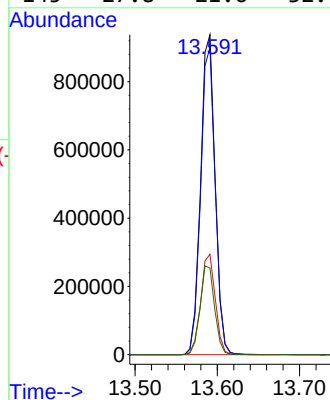
Ion Ratio Lower Upper

180 100

182 96.1 75.8 113.6

184 31.2 24.4 36.6

145 27.8 21.6 32.4



#70

1,2,4-trichlorobenzene

Concen: 306.435 ug/L

RT: 13.591 min Scan# 2051

Delta R.T. 0.006 min

Lab File: VX040974.D

Acq: 11 Apr 2024 13:13

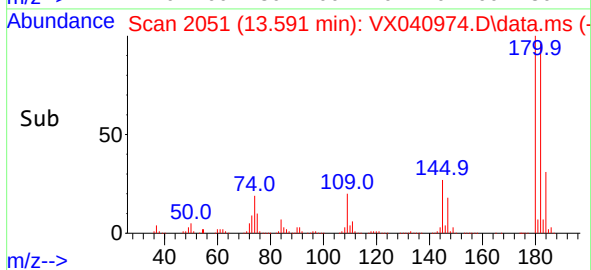
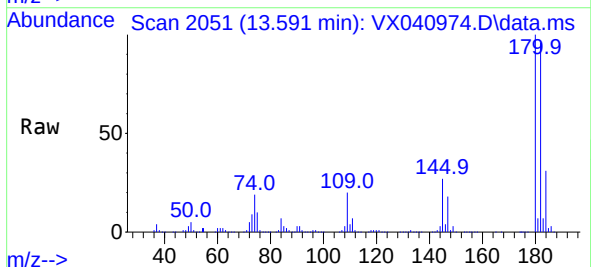
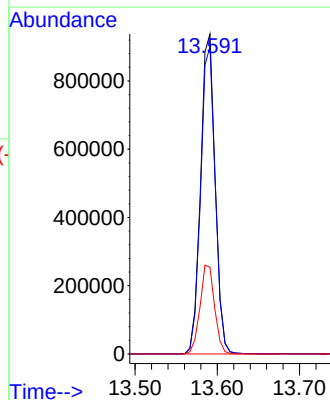
Tgt Ion:180 Resp: 1151083

Ion Ratio Lower Upper

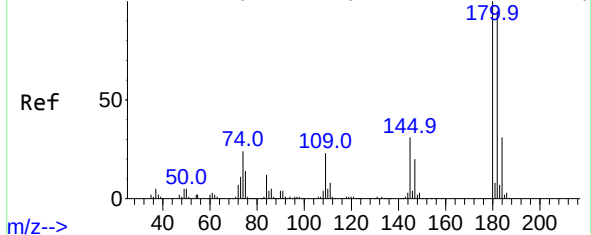
180 100

182 96.1 76.8 115.2

145 27.8 22.3 33.5



Abundance Scan 2111 (13.957 min): VX040965.D\data.ms (-



#72

1,2,3-Trichlorobenzene

Concen: 19.416 ug/L

RT: 13.963 min Scan# 21

Delta R.T. 0.006 min

Lab File: VX040974.D

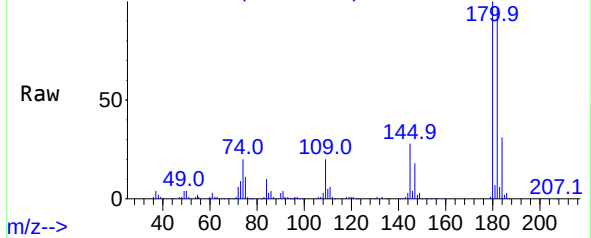
Acq: 11 Apr 2024 13:13

Instrument :

MSVOA_X

ClientSampleId :

Abundance Scan 2112 (13.963 min): VX040974.D\data.ms (-



Tgt Ion:180 Resp: 71528

Ion Ratio Lower Upper

180 100

182 95.8 77.0 115.6

145 28.9 23.4 35.2

Abundance Scan 2112 (13.963 min): VX040974.D\data.ms (-

