

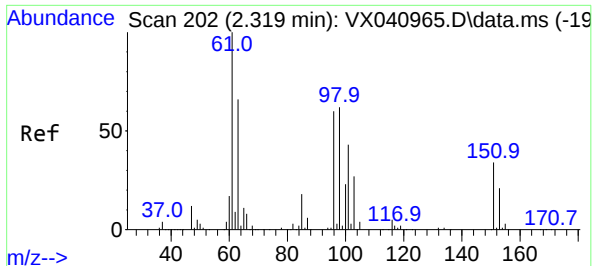
Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX041124\
 Data File : VX040973.D
 Acq On : 11 Apr 2024 12:50
 Operator : JC/MD
 Sample : P2048-03
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Apr 12 01:46:43 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	6.763	114	301938	50.000	ug/L	0.00
28) Chlorobenzene-d5	10.073	117	300966	50.000	ug/L	0.02
58) 1,4-Dichlorobenzene-d4	12.024	152	166071	50.000	ug/L	# 0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.368	65	98147	45.701	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	91.400%
7) Chloroethane-d5	1.666	69	84552	48.274	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	96.540%
11) 1,1-Dichloroethene-d2	2.307	65	42750	46.625	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	93.240%
21) 2-Butanone-d5	4.459	46	115153	98.435	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	98.430%
24) Chloroform-d	5.056	84	185598	46.317	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	92.640%
26) 1,2-Dichloroethane-d4	5.989	65	132374	50.785	ug/L	0.04
Spiked Amount	50.000	Range	70 - 125	Recovery	=	101.580%
32) Benzene-d6	5.995	84	394991	48.342	ug/L	0.02
Spiked Amount	50.000	Range	70 - 125	Recovery	=	96.680%
36) 1,2-Dichloropropane-d6	7.312	67	108038	45.337	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	90.680%
41) Toluene-d8	8.647	98	354956	44.467	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	88.940%
43) trans-1,3-Dichloroprop...	8.952	79	52444	43.732	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	87.460%
47) 2-Hexanone-d5	9.385	63	87536	87.126	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	87.130%
56) 1,1,2,2-Tetrachloroeth...	11.189	84	144135	40.832	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	81.660%
66) 1,2-Dichlorobenzene-d4	12.323	152	159496	47.877	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	95.760%
Target Compounds						
					Qvalue	
12) 1,1-Dichloroethene	2.319	96	6915	3.813	ug/L #	1
27) 1,2-Dichloroethane	6.105	62	925512	315.087	ug/L #	74
29) Cyclohexane	5.477	56	5515	1.829	ug/L #	94
48) 2-Hexanone	9.385	43	13441	5.466	ug/L #	46
64) 1,3-Dichlorobenzene	11.969	146	769728	151.093	ug/L	98
65) 1,4-Dichlorobenzene	12.049	146	10518173	2011.215	ug/L #	75
67) 1,2-Dichlorobenzene	12.341	146	6472402	1309.694	ug/L	93
70) 1,2,4-trichlorobenzene	13.585	180	218524	59.106	ug/L	100
72) 1,2,3-Trichlorobenzene	13.585	180	214979	59.289	ug/L	99

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



#12

1,1-Dichloroethene

Concen: 3.813 ug/L

RT: 2.319 min Scan# 20

Delta R.T. -0.000 min

Lab File: VX040973.D

Acq: 11 Apr 2024 12:50

Instrument :

MSVOA_X

ClientSampleId :

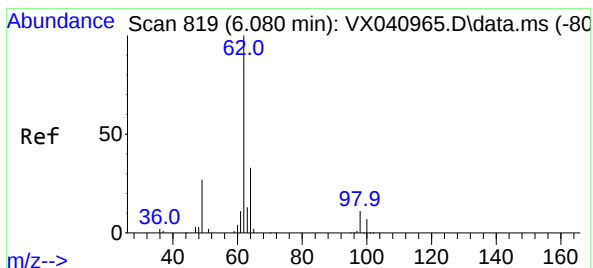
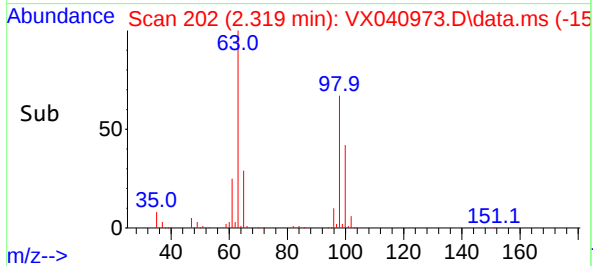
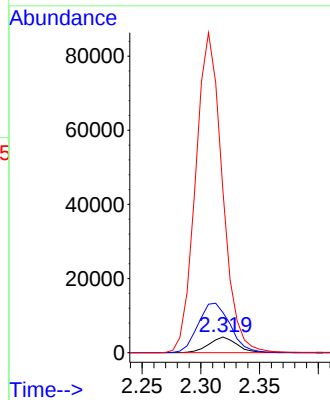
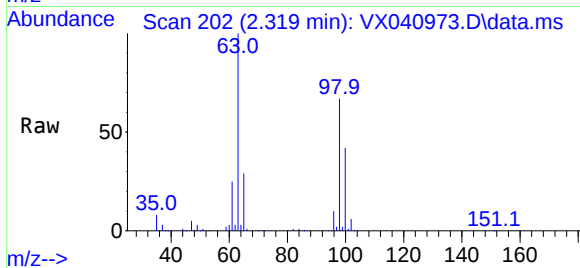
Tgt Ion: 96 Resp: 6915

Ion Ratio Lower Upper

96 100

61 256.9 113.6 211.0#

63 1036.8 89.3 165.9#



#27

1,2-Dichloroethane

Concen: 315.087 ug/L

RT: 6.105 min Scan# 823

Delta R.T. 0.018 min

Lab File: VX040973.D

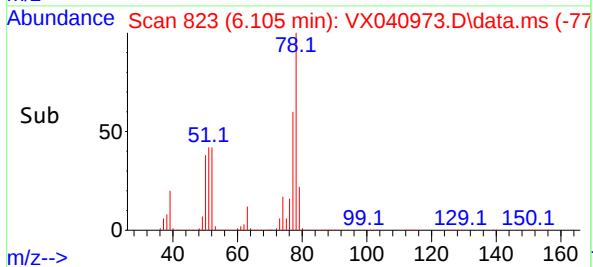
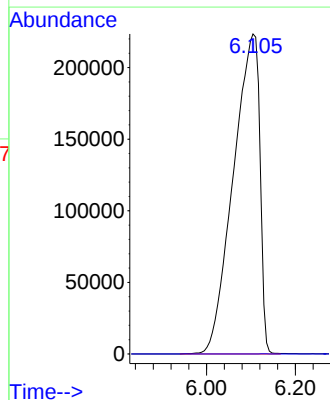
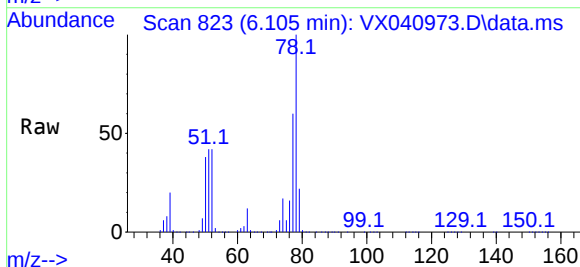
Acq: 11 Apr 2024 12:50

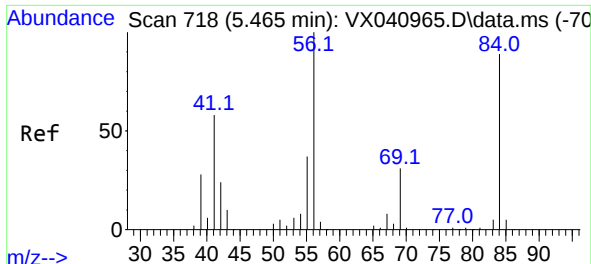
Tgt Ion: 62 Resp: 925512

Ion Ratio Lower Upper

62 100

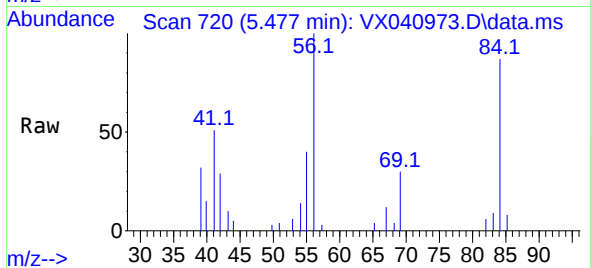
98 0.0 7.7 11.5#



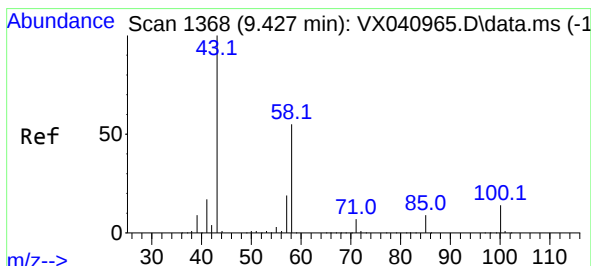
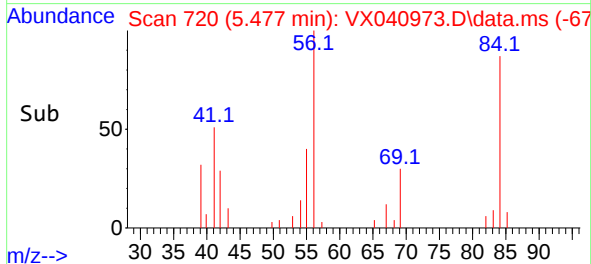
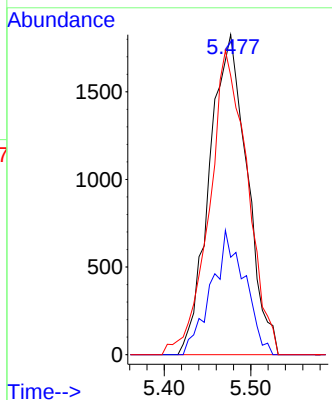


#29
Cyclohexane
Concen: 1.829 ug/L
RT: 5.477 min Scan# 718
Delta R.T. 0.006 min
Lab File: VX040973.D
Acq: 11 Apr 2024 12:50

Instrument :
MSVOA_X
ClientSampleId :

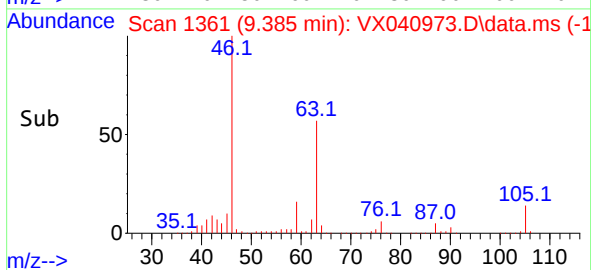
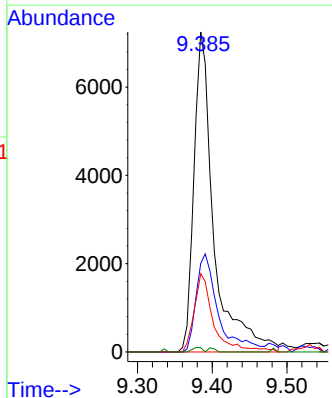
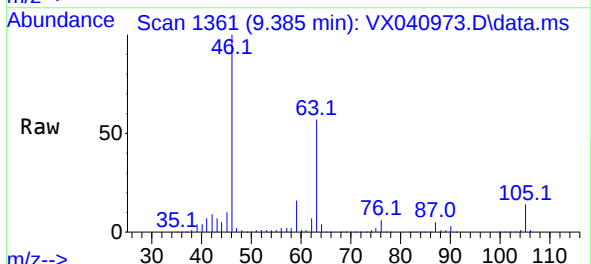


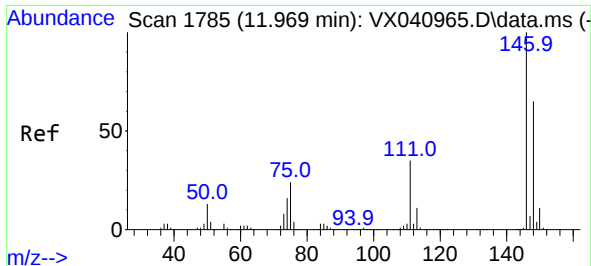
Tgt Ion: 56 Resp: 5515
Ion Ratio Lower Upper
56 100
69 22.0 25.0 37.4#
84 96.1 74.9 112.3



#48
2-Hexanone
Concen: 5.466 ug/L
RT: 9.385 min Scan# 1361
Delta R.T. -0.043 min
Lab File: VX040973.D
Acq: 11 Apr 2024 12:50

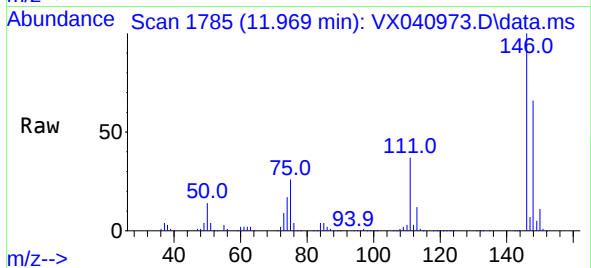
Tgt Ion: 43 Resp: 13441
Ion Ratio Lower Upper
43 100
58 0.0 43.2 64.8#
57 23.7 15.4 23.2#
100 0.7 10.9 16.3#



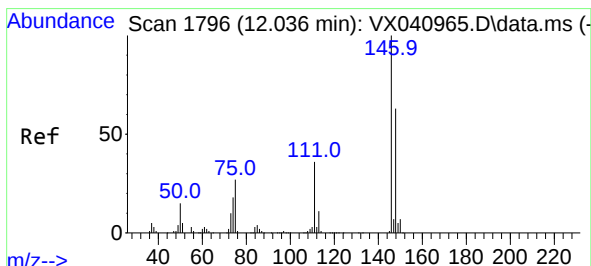
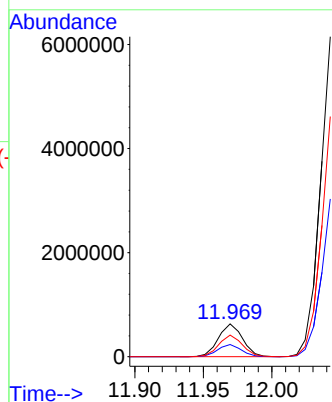
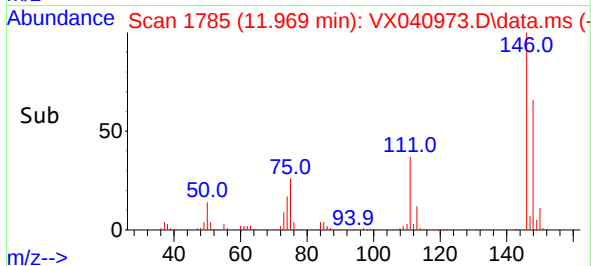


#64
1,3-Dichlorobenzene
Concen: 151.093 ug/L
RT: 11.969 min Scan# 1785
Delta R.T. 0.000 min
Lab File: VX040973.D
Acq: 11 Apr 2024 12:50

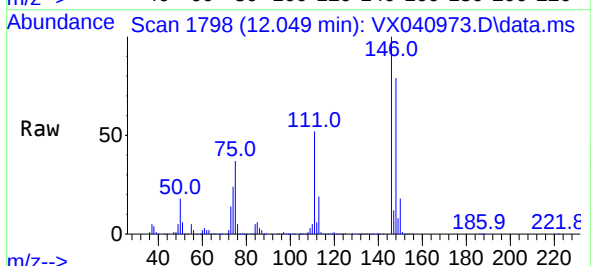
Instrument :
MSVOA_X
ClientSampleId :



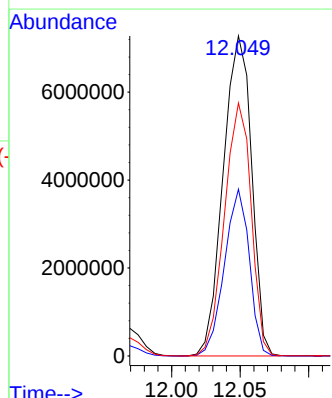
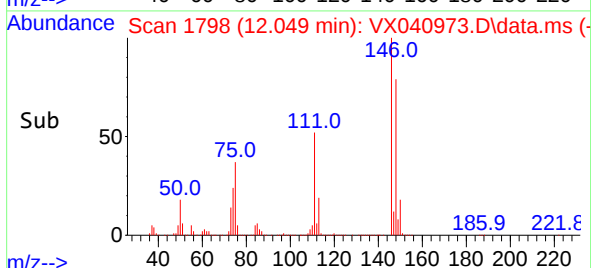
Tgt Ion:146 Resp: 769728
Ion Ratio Lower Upper
146 100
111 37.1 25.3 47.1
148 65.9 44.7 82.9

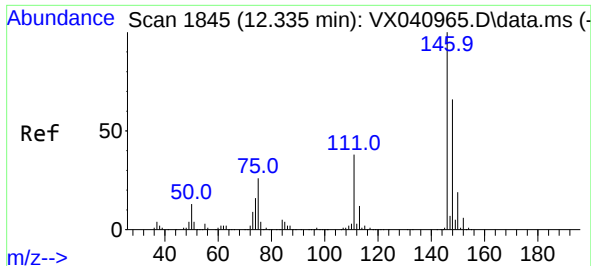


#65
1,4-Dichlorobenzene
Concen: 2011.215 ug/L
RT: 12.049 min Scan# 1798
Delta R.T. 0.006 min
Lab File: VX040973.D
Acq: 11 Apr 2024 12:50



Tgt Ion:146 Resp:10518173
Ion Ratio Lower Upper
146 100
111 52.1 23.4 43.6#
148 79.1 44.2 82.0





#67

1,2-Dichlorobenzene

Concen: 1309.694 ug/L

RT: 12.341 min Scan# 1846

Delta R.T. 0.006 min

Lab File: VX040973.D

Acq: 11 Apr 2024 12:50

Instrument :

MSVOA_X

ClientSampleId :

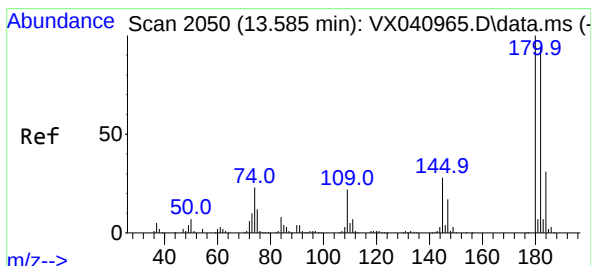
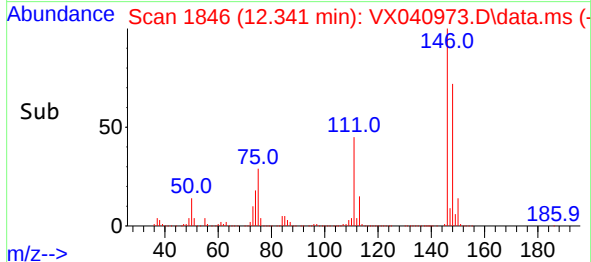
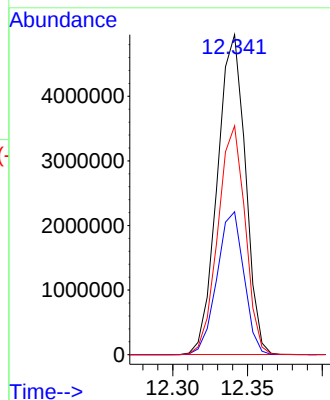
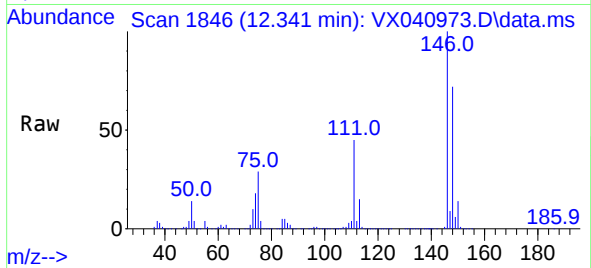
Tgt Ion:146 Resp: 6472402

Ion Ratio Lower Upper

146 100

111 44.7 31.8 47.8

148 71.5 53.2 79.8



#70

1,2,4-trichlorobenzene

Concen: 59.106 ug/L

RT: 13.585 min Scan# 2050

Delta R.T. 0.000 min

Lab File: VX040973.D

Acq: 11 Apr 2024 12:50

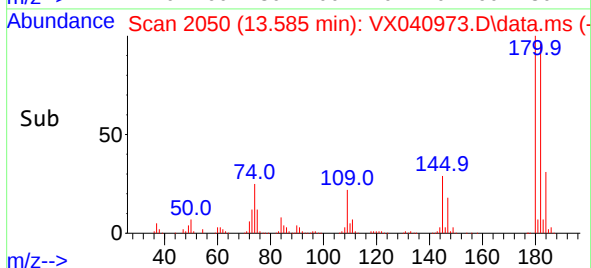
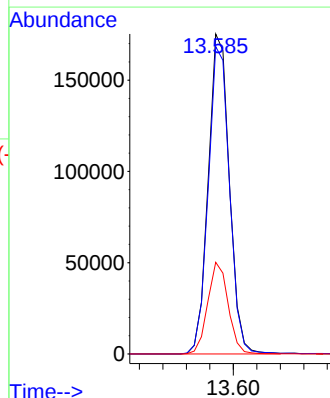
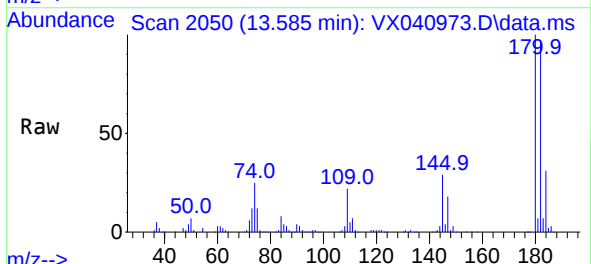
Tgt Ion:180 Resp: 218524

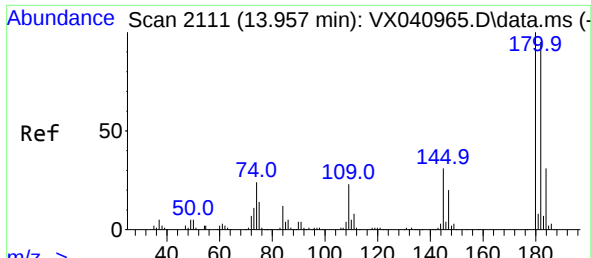
Ion Ratio Lower Upper

180 100

182 96.6 76.8 115.2

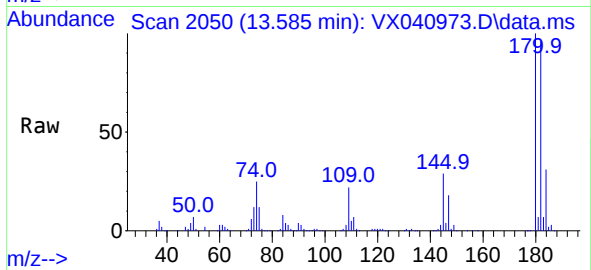
145 27.8 22.3 33.5





#72
1,2,3-Trichlorobenzene
Concen: 59.289 ug/L
RT: 13.585 min Scan# 20
Delta R.T. -0.372 min
Lab File: VX040973.D
Acq: 11 Apr 2024 12:50

Instrument :
MSVOA_X
ClientSampleId :



Tgt Ion:180 Resp: 214979
Ion Ratio Lower Upper
180 100
182 96.5 77.0 115.6
145 28.0 23.4 35.2

