

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX012324\
 Data File : VX039920.D
 Acq On : 23 Jan 2024 19:19
 Operator : JC/MD
 Sample : P1200-01
 Misc : 1.01g/10mL/100uL/5.00mL/MSVOA_X/MEOH
 ALS Vial : 27 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 CHRT-24376

Quant Time: Jan 24 02:37:40 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X011024W.M
 Quant Title : SW846 8260
 QLast Update : Thu Jan 11 03:51:26 2024
 Response via : Initial Calibration

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

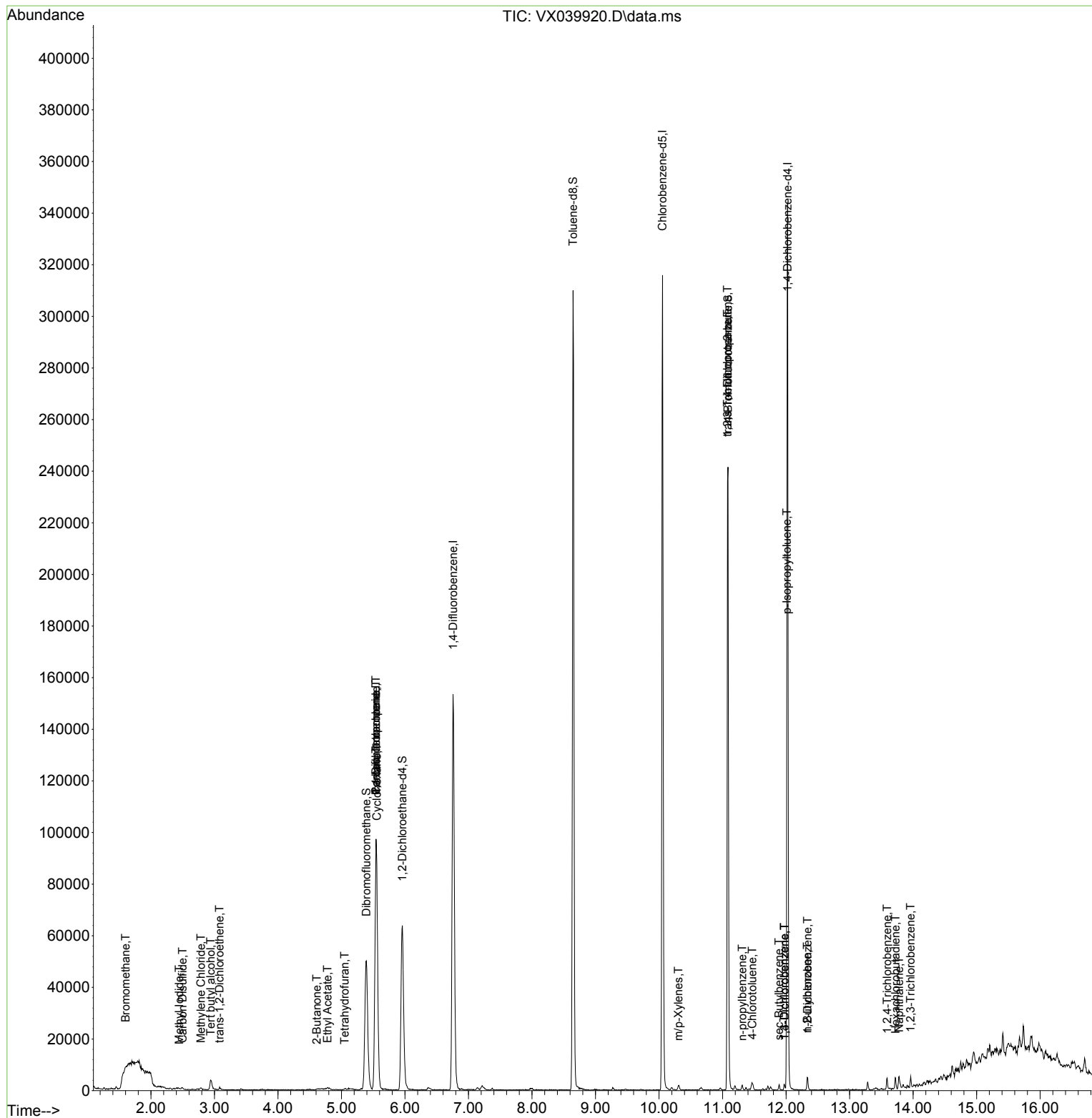
Internal Standards						
1) Pentafluorobenzene	5.544	168	84938	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	152469	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	137261	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	66515	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	68406	48.077	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery =	96.160%		
35) Dibromofluoromethane	5.391	113	46910	45.679	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	91.360%		
50) Toluene-d8	8.647	98	184459	47.625	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery =	95.240%		
62) 4-Bromofluorobenzene	11.085	95	69548	45.918	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	91.840%		
Target Compounds					Qvalue	
5) Bromomethane	1.599	94	367	0.543	ug/l #	79
10) Methyl Iodide	2.447	142	317	0.284	ug/l #	55
11) Tert butyl alcohol	2.941	59	2708	7.311	ug/l #	78
13) Acrolein	1.953	56	50	Below Cal	#	14
17) Carbon Disulfide	2.495	76	1140	0.388	ug/l #	76
20) Methylene Chloride	2.788	84	367	0.303	ug/l #	70
21) trans-1,2-Dichloroethene	3.081	96	279	0.259	ug/l	94
25) 2-Butanone	4.611	43	497	0.432	ug/l #	51
29) Tetrahydrofuran	5.050	42	457	0.617	ug/l #	38
31) Cyclohexane	5.556	56	2606	1.388	ug/l #	10
36) 1,1-Dichloropropene	5.544	75	8472	5.300	ug/l #	51
37) Ethyl Acetate	4.782	43	847	0.397	ug/l #	69
38) Carbon Tetrachloride	5.544	117	9580	6.544	ug/l #	16
68) m/p-Xylenes	10.305	106	714	0.366	ug/l	88
76) 1,2,3-Trichloropropane	11.079	75	39206	22.735	ug/l #	39
78) n-propylbenzene	11.311	91	1403	0.219	ug/l	99
81) trans-1,4-Dichloro-2-b...	11.079	75	39206	65.738	ug/l #	5
82) 4-Chlorotoluene	11.469	91	1169	0.260	ug/l	95
85) sec-Butylbenzene	11.890	105	1453	0.261	ug/l	87
86) p-Isopropyltoluene	12.012	119	1184	0.266	ug/l #	76
87) 1,3-Dichlorobenzene	11.976	146	774	0.342	ug/l	85
88) 1,4-Dichlorobenzene	11.976	146	774	0.332	ug/l	85
89) n-Butylbenzene	12.335	91	2049	0.476	ug/l	94
91) 1,2-Dichlorobenzene	12.341	146	561	0.251	ug/l	90
93) 1,2,4-Trichlorobenzene	13.591	180	1045	0.765	ug/l	93
94) Hexachlorobutadiene	13.725	225	581	1.024	ug/l	91
95) Naphthalene	13.780	128	3572	0.711	ug/l	99
96) 1,2,3-Trichlorobenzene	13.963	180	996	0.723	ug/l	96

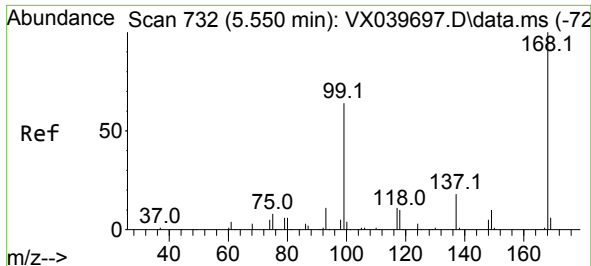
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX012324\
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Misc : 1.01g/10mL/100uL/5.00mL/MSVOA_X/MEOH
ALS Vial : 27 Sample Multiplier: 1

Instrument :
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CHRT-24376

Quant Time: Jan 24 02:37:40 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X011024W.M
Quant Title : SW846 8260
QLast Update : Thu Jan 11 03:51:26 2024
Response via : Initial Calibration

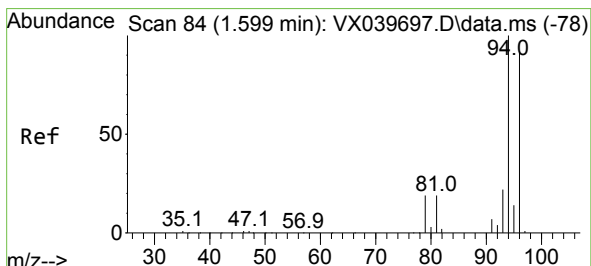
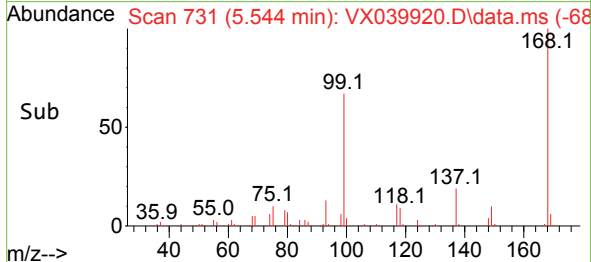
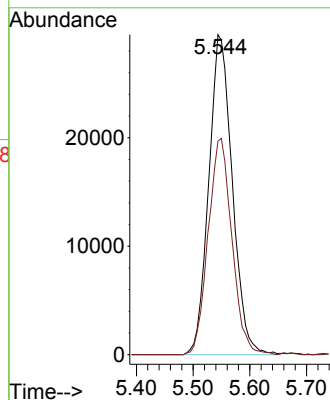
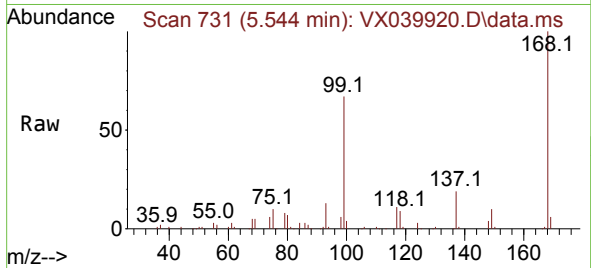




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.544 min Scan# 71
Delta R.T. -0.006 min
Lab File: VX039920.D
Acq: 23 Jan 2024 19:19

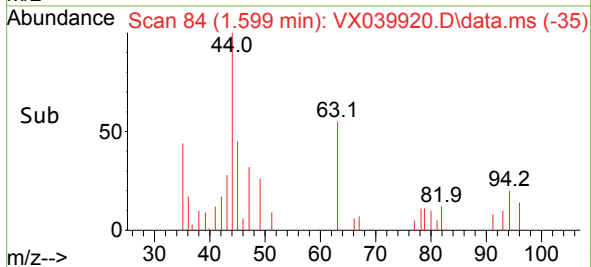
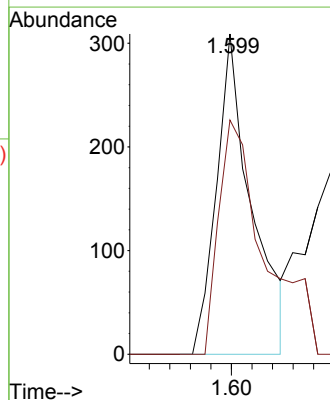
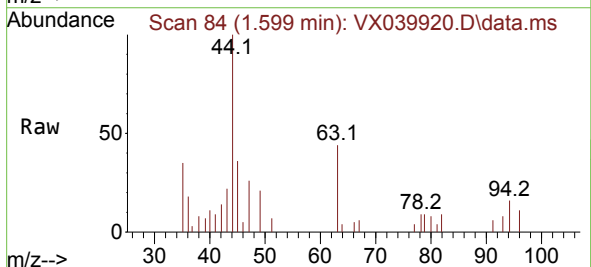
Instrument :
MSVOA_X
ClientSampleId :
CHRT-24376

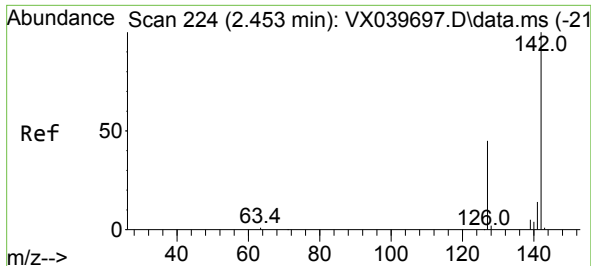
Tgt Ion:168 Resp: 84938
Ion Ratio Lower Upper
168 100
99 66.7 56.6 85.0



#5
Bromomethane
Concen: 0.543 ug/l
RT: 1.599 min Scan# 84
Delta R.T. 0.000 min
Lab File: VX039920.D
Acq: 23 Jan 2024 19:19

Tgt Ion: 94 Resp: 367
Ion Ratio Lower Upper
94 100
96 73.1 74.6 111.8#

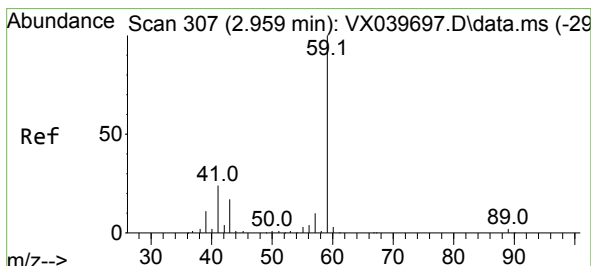
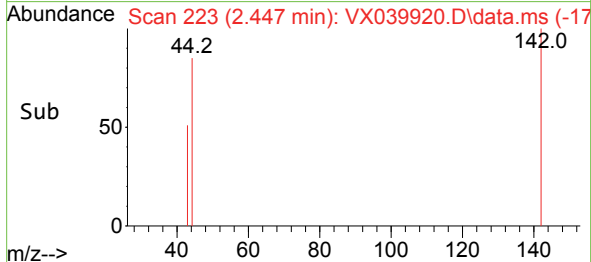
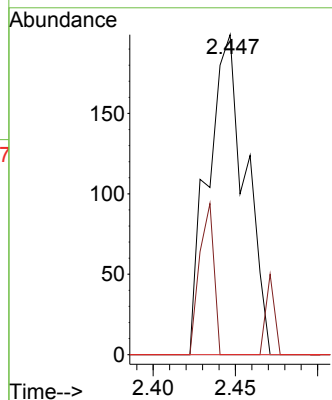
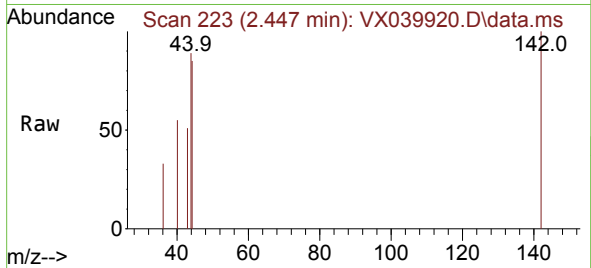




#10
Methyl Iodide
Concen: 0.284 ug/l
RT: 2.447 min Scan# 21
Delta R.T. -0.006 min
Lab File: VX039920.D
Acq: 23 Jan 2024 19:19

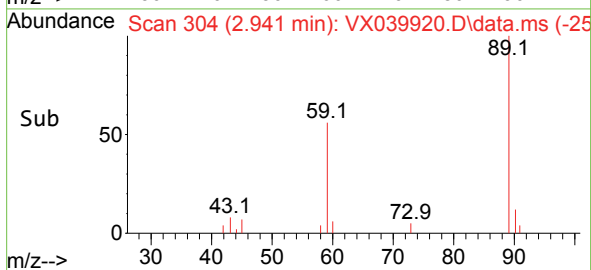
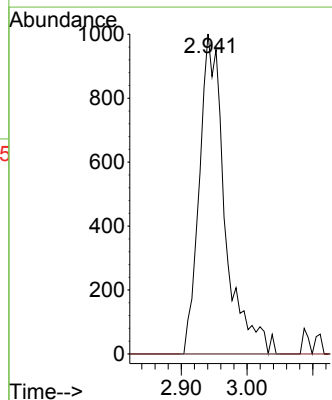
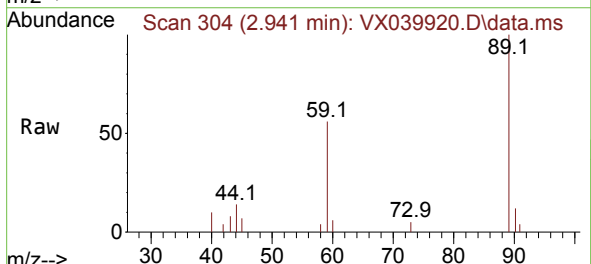
Instrument :
MSVOA_X
ClientSampleId :
CHRT-24376

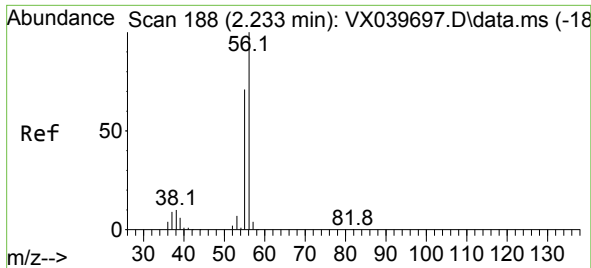
Tgt Ion:142 Resp: 317
Ion Ratio Lower Upper
142 100
127 18.3 41.6 62.4#
141 0.0 11.6 17.4#



#11
Tert butyl alcohol
Concen: 7.311 ug/l
RT: 2.941 min Scan# 304
Delta R.T. -0.018 min
Lab File: VX039920.D
Acq: 23 Jan 2024 19:19

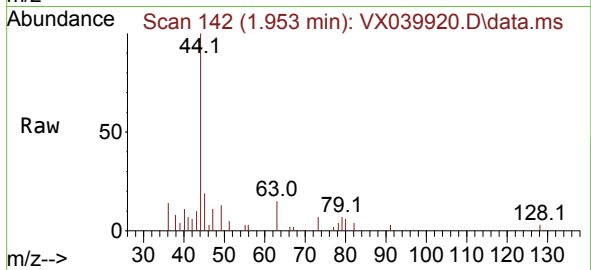
Tgt Ion: 59 Resp: 2708
Ion Ratio Lower Upper
59 100
57 0.0 6.0 9.0#



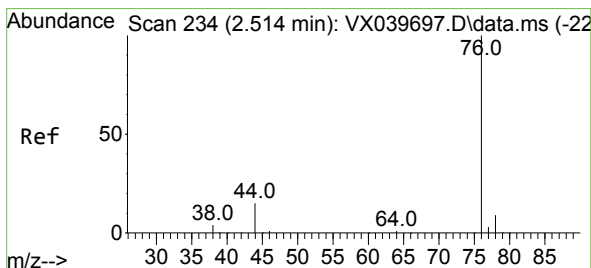
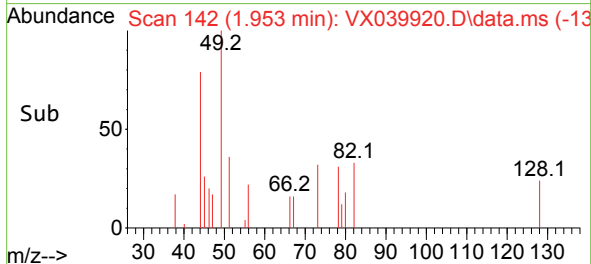
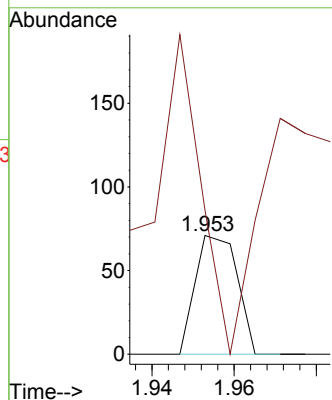


#13
Acrolein
Concen: Below Cal
RT: 1.953 min Scan# 14
Delta R.T. -0.280 min
Lab File: VX039920.D
Acq: 23 Jan 2024 19:19

Instrument :
MSVOA_X
ClientSampleId :
CHRT-24376

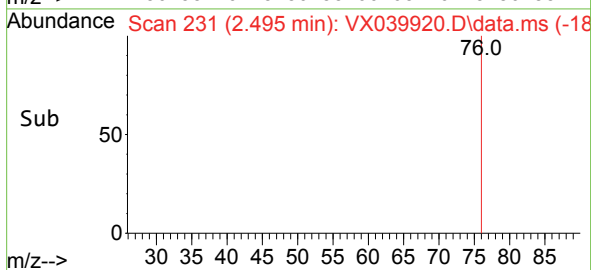
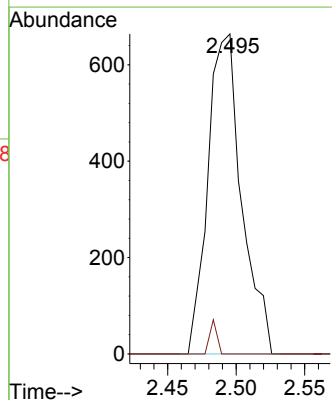
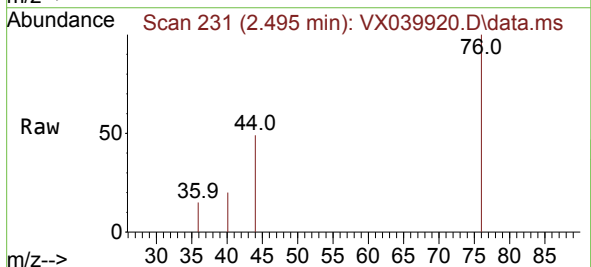


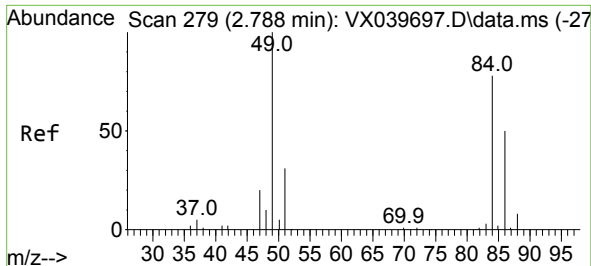
Tgt Ion: 56 Resp: 50
Ion Ratio Lower Upper
56 100
55 0.0 57.1 85.7#



#17
Carbon Disulfide
Concen: 0.388 ug/l
RT: 2.495 min Scan# 231
Delta R.T. -0.018 min
Lab File: VX039920.D
Acq: 23 Jan 2024 19:19

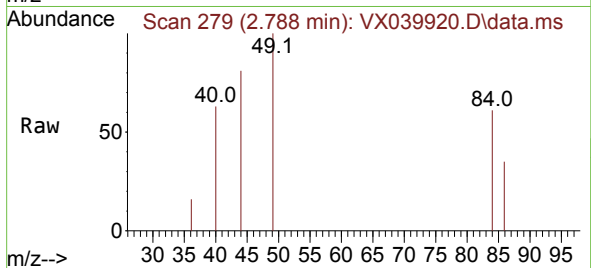
Tgt Ion: 76 Resp: 1140
Ion Ratio Lower Upper
76 100
78 0.0 7.0 10.6#





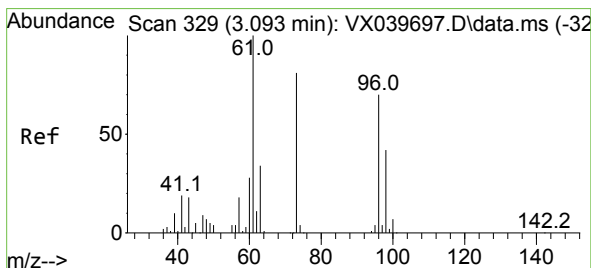
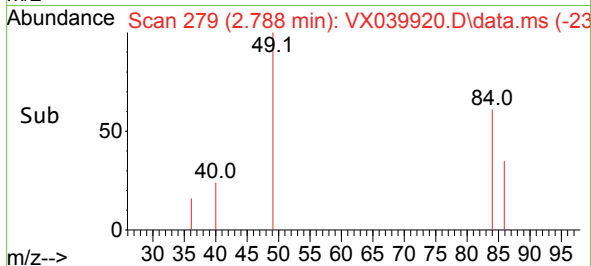
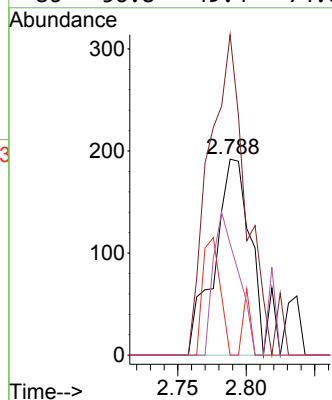
#20
Methylene Chloride
Concen: 0.303 ug/l
RT: 2.788 min Scan# 21
Delta R.T. 0.000 min
Lab File: VX039920.D
Acq: 23 Jan 2024 19:19

Instrument :
MSVOA_X
ClientSampleId :
CHRT-24376



Tgt Ion: 84 Resp: 367

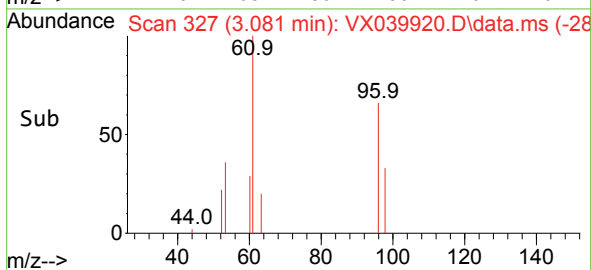
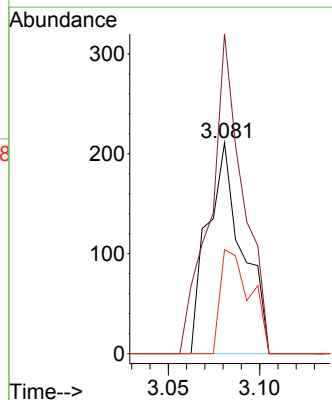
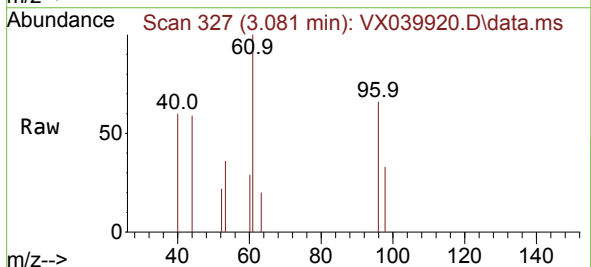
Ion	Ratio	Lower	Upper
84	100		
49	163.5	103.6	155.4#
51	0.0	33.8	50.6#
86	56.8	49.4	74.0

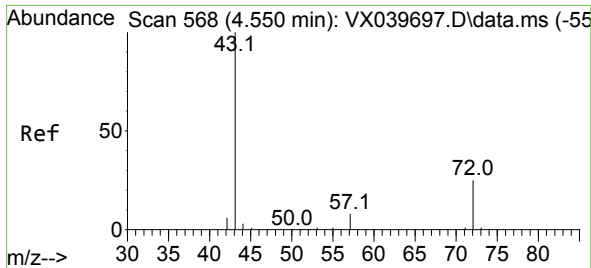


#21
trans-1,2-Dichloroethene
Concen: 0.259 ug/l
RT: 3.081 min Scan# 327
Delta R.T. -0.012 min
Lab File: VX039920.D
Acq: 23 Jan 2024 19:19

Tgt Ion: 96 Resp: 279

Ion	Ratio	Lower	Upper
96	100		
61	151.7	119.2	178.8
98	49.3	48.7	73.1

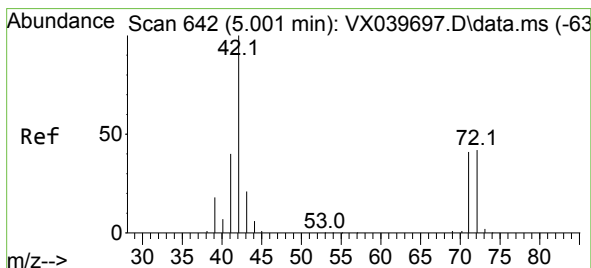
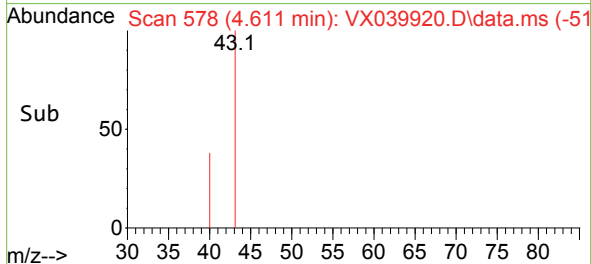
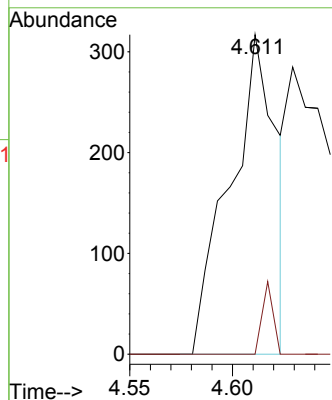
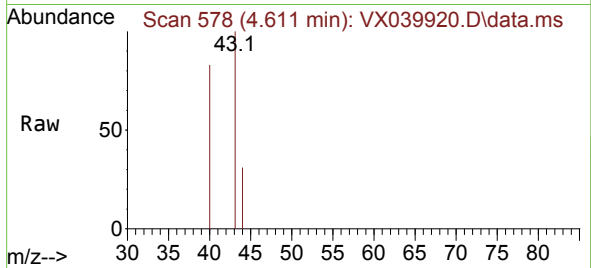




#25
2-Butanone
Concen: 0.432 ug/l
RT: 4.611 min Scan# 51
Delta R.T. 0.061 min
Lab File: VX039920.D
Acq: 23 Jan 2024 19:19

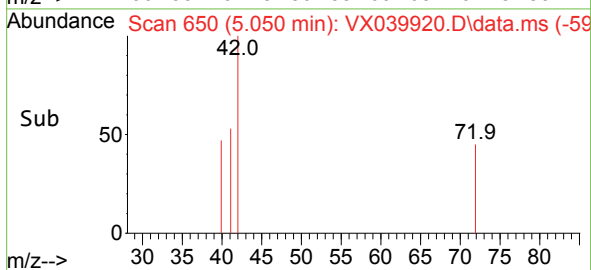
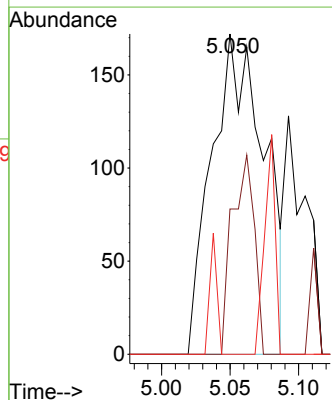
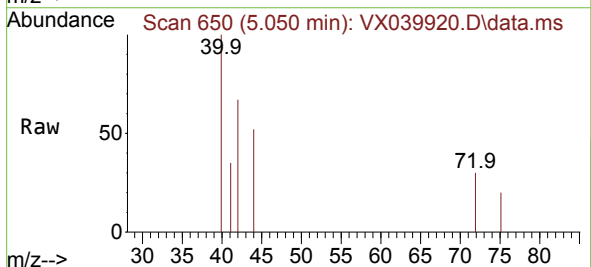
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ClientSampleId :
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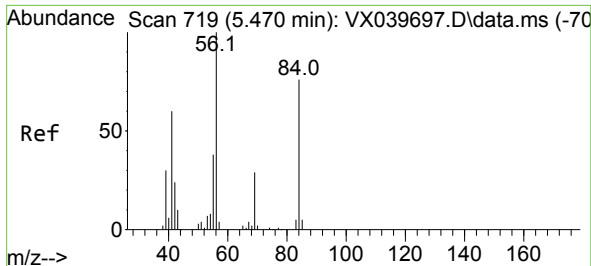
Tgt Ion: 43 Resp: 497
Ion Ratio Lower Upper
43 100
72 0.0 19.4 29.2#



#29
Tetrahydrofuran
Concen: 0.617 ug/l
RT: 5.050 min Scan# 650
Delta R.T. 0.049 min
Lab File: VX039920.D
Acq: 23 Jan 2024 19:19

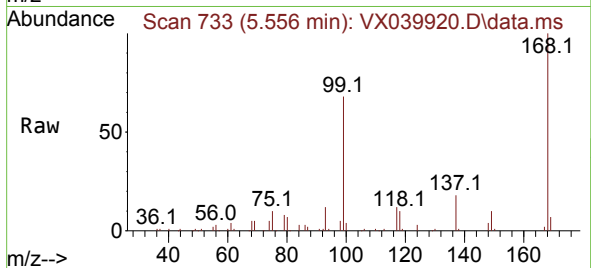
Tgt Ion: 42 Resp: 457
Ion Ratio Lower Upper
42 100
72 0.0 34.2 51.4#
71 5.3 32.2 48.2#



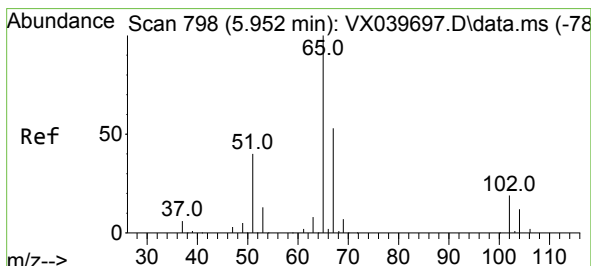
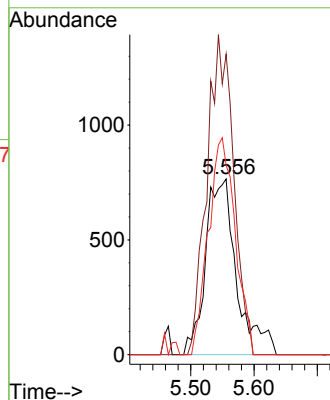
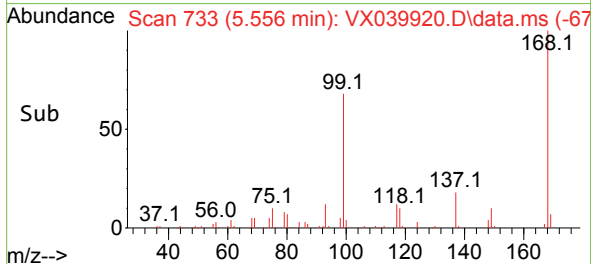


#31
Cyclohexane
Concen: 1.388 ug/l
RT: 5.556 min Scan# 719
Delta R.T. 0.085 min
Lab File: VX039920.D
Acq: 23 Jan 2024 19:19

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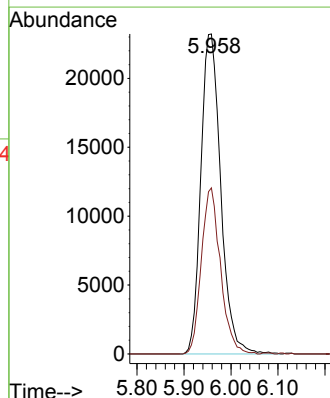
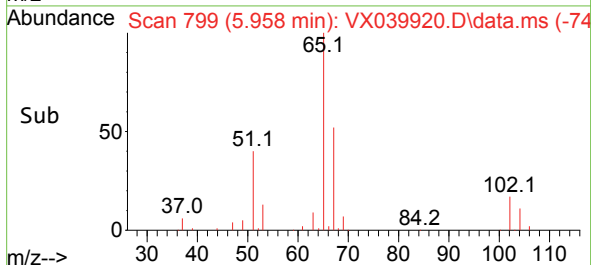
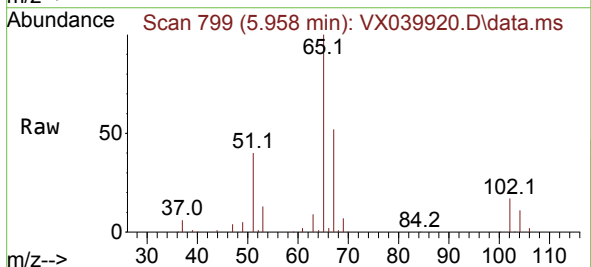


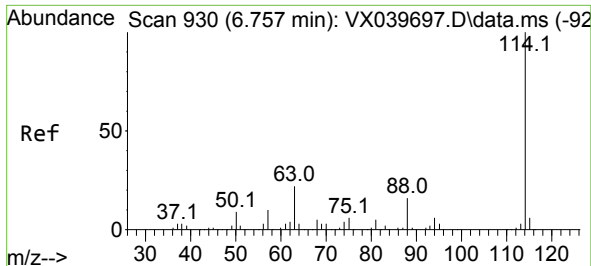
Tgt Ion: 56 Resp: 2606
Ion Ratio Lower Upper
56 100
69 171.1 23.4 35.2#
84 107.8 65.9 98.9#



#33
1,2-Dichloroethane-d4
Concen: 48.077 ug/l
RT: 5.958 min Scan# 799
Delta R.T. 0.006 min
Lab File: VX039920.D
Acq: 23 Jan 2024 19:19

Tgt Ion: 65 Resp: 68406
Ion Ratio Lower Upper
65 100
67 49.9 0.0 100.2

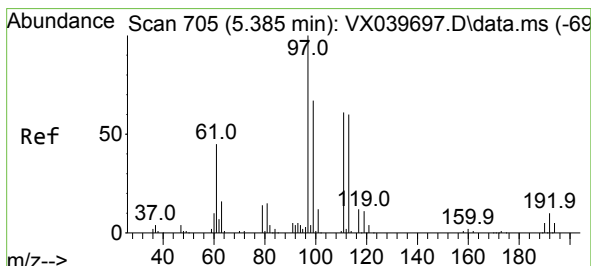
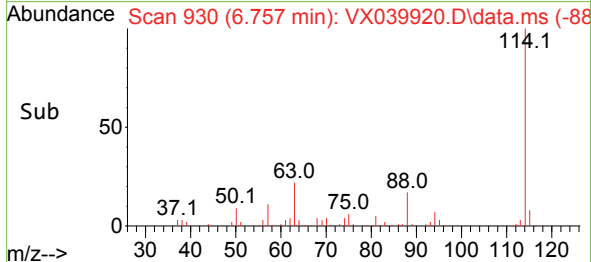
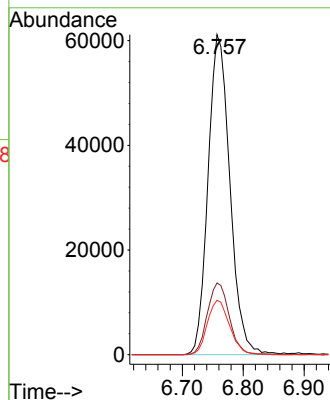
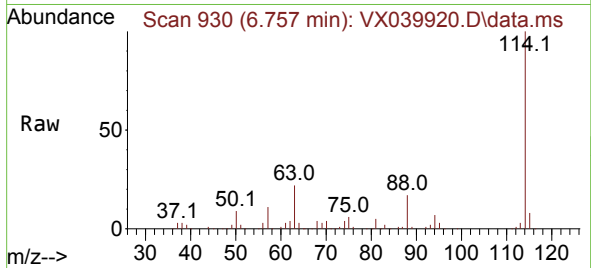




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.757 min Scan# 91
Delta R.T. 0.000 min
Lab File: VX039920.D
Acq: 23 Jan 2024 19:19

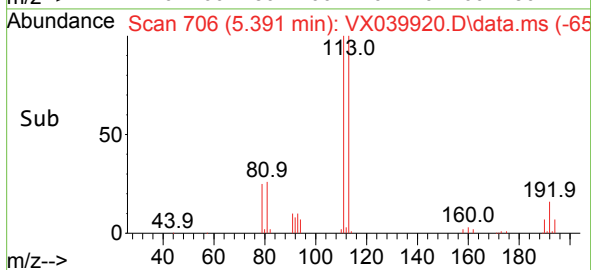
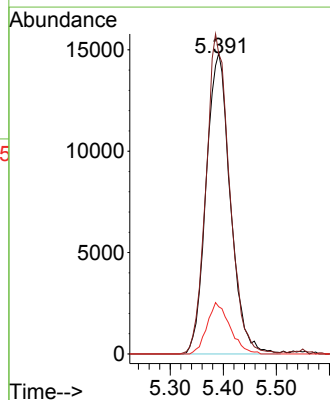
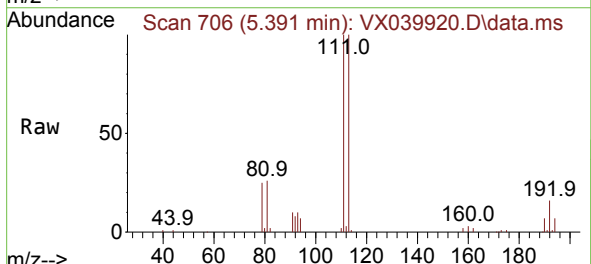
Instrument :
MSVOA_X
ClientSampleId :
CHRT-24376

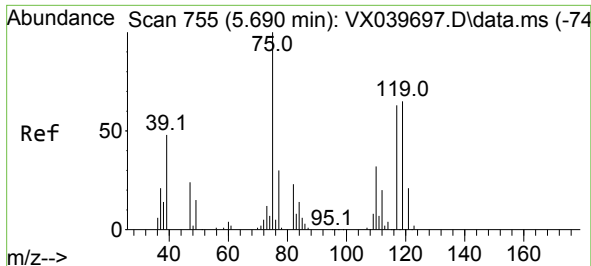
Tgt Ion:114 Resp: 152469
Ion Ratio Lower Upper
114 100
63 22.4 0.0 45.0
88 17.0 0.0 36.6



#35
Dibromofluoromethane
Concen: 45.679 ug/l
RT: 5.391 min Scan# 706
Delta R.T. 0.006 min
Lab File: VX039920.D
Acq: 23 Jan 2024 19:19

Tgt Ion:113 Resp: 46910
Ion Ratio Lower Upper
113 100
111 103.7 82.9 124.3
192 16.3 13.3 19.9





#36

1,1-Dichloropropene

Concen: 5.300 ug/l

RT: 5.544 min Scan# 71

Delta R.T. -0.146 min

Lab File: VX039920.D

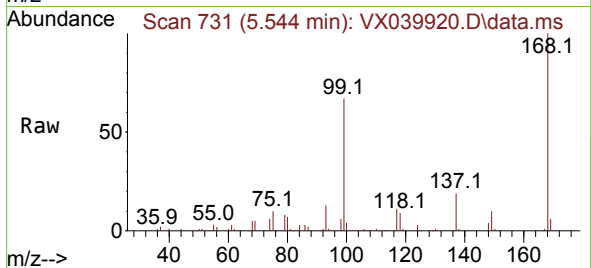
Acq: 23 Jan 2024 19:19

Instrument :

MSVOA_X

ClientSampleId :

CHRT-24376



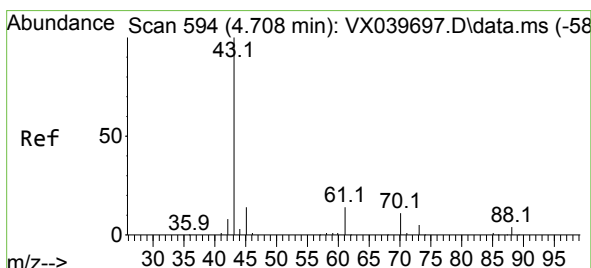
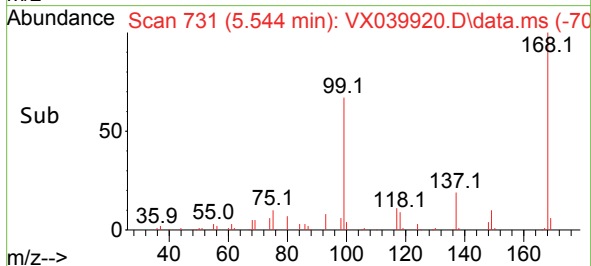
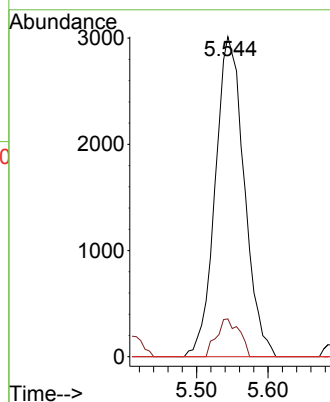
Tgt Ion: 75 Resp: 8472

Ion Ratio Lower Upper

75 100

110 9.3 17.0 50.9#

77 0.0 24.7 37.1#



#37

Ethyl Acetate

Concen: 0.397 ug/l

RT: 4.782 min Scan# 606

Delta R.T. 0.073 min

Lab File: VX039920.D

Acq: 23 Jan 2024 19:19

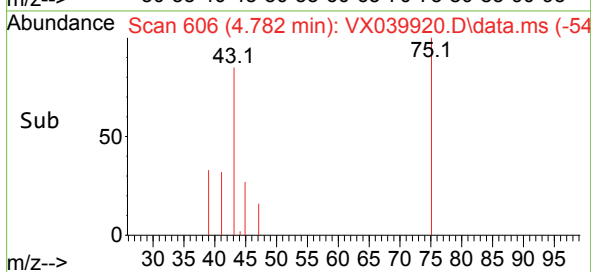
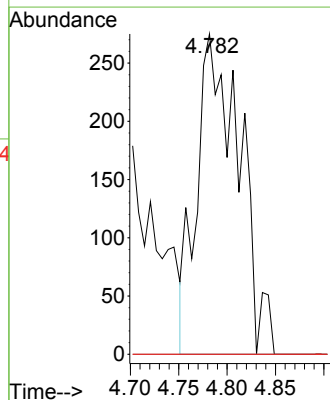
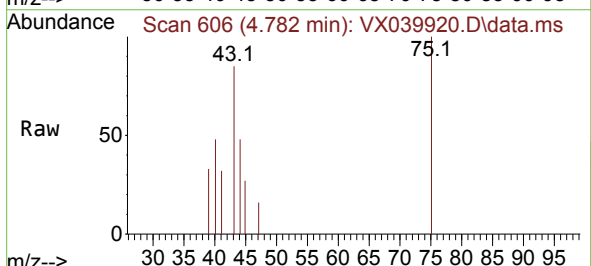
Tgt Ion: 43 Resp: 847

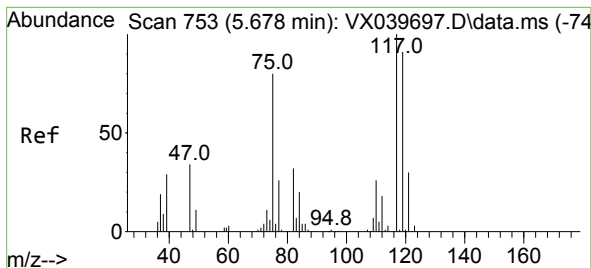
Ion Ratio Lower Upper

43 100

61 0.0 10.6 16.0#

70 0.0 8.3 12.5#





#38

Carbon Tetrachloride

Concen: 6.544 ug/l

RT: 5.544 min Scan# 71

Delta R.T. -0.134 min

Lab File: VX039920.D

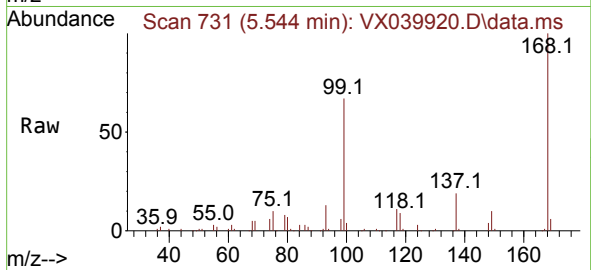
Acq: 23 Jan 2024 19:19

Instrument :

MSVOA_X

ClientSampleId :

CHRT-24376



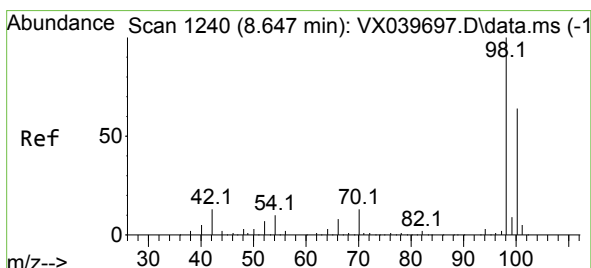
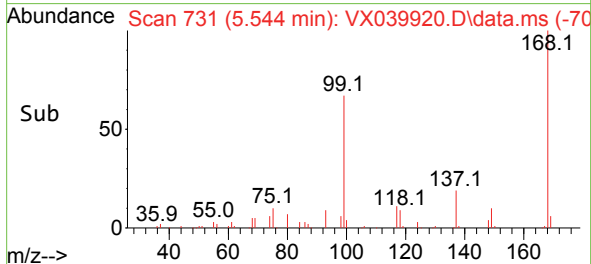
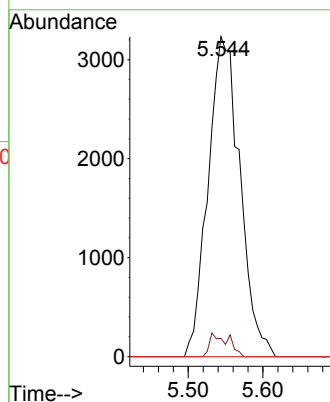
Tgt Ion:117 Resp: 9580

Ion Ratio Lower Upper

117 100

119 5.7 78.2 117.2#

121 0.0 24.4 36.6#



#50

Toluene-d8

Concen: 47.625 ug/l

RT: 8.647 min Scan# 1240

Delta R.T. 0.000 min

Lab File: VX039920.D

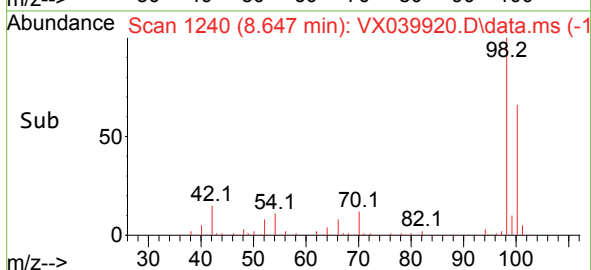
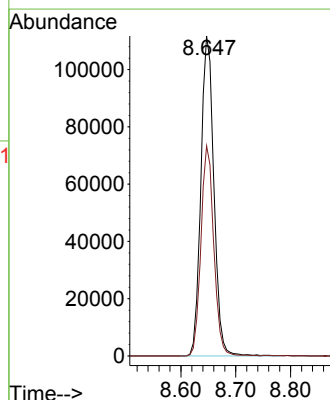
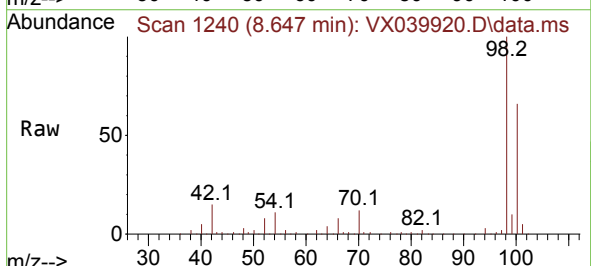
Acq: 23 Jan 2024 19:19

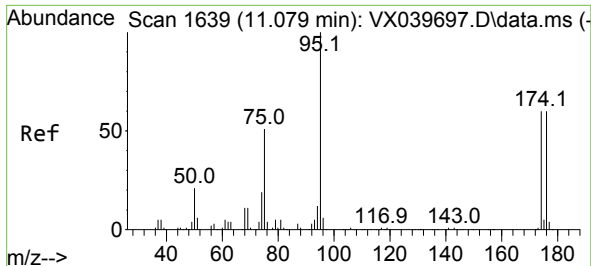
Tgt Ion: 98 Resp: 184459

Ion Ratio Lower Upper

98 100

100 64.7 53.1 79.7

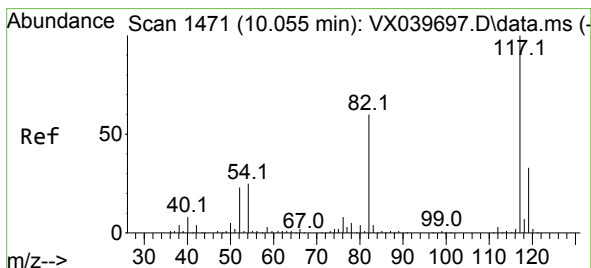
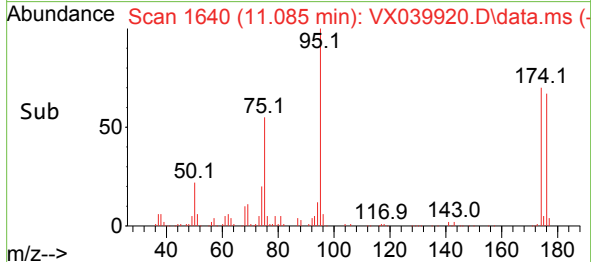
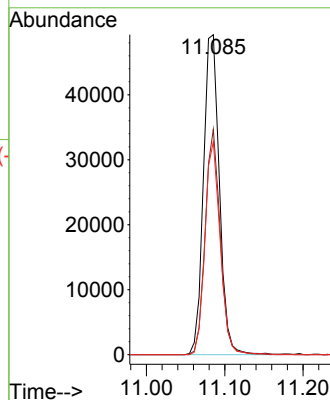
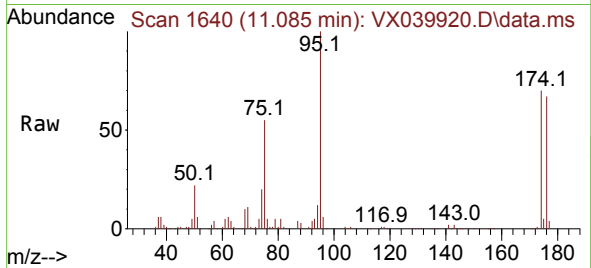




#62
4-Bromofluorobenzene
Concen: 45.918 ug/l
RT: 11.085 min Scan# 1640
Delta R.T. 0.006 min
Lab File: VX039920.D
Acq: 23 Jan 2024 19:19

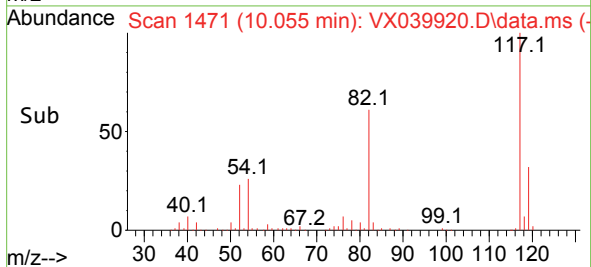
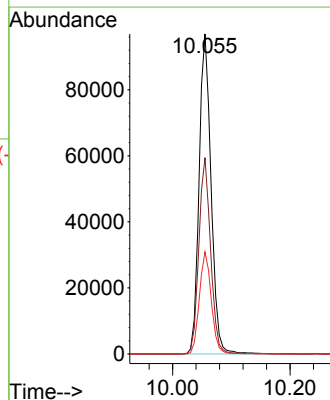
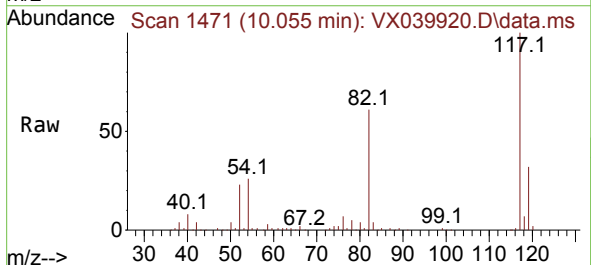
Instrument :
MSVOA_X
ClientSampleId :
CHRT-24376

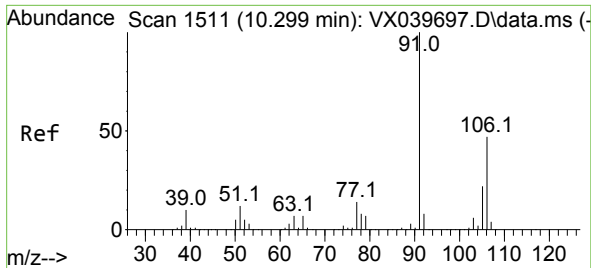
Tgt Ion: 95 Resp: 69548
Ion Ratio Lower Upper
95 100
174 66.4 0.0 135.6
176 63.4 0.0 131.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.000 min
Lab File: VX039920.D
Acq: 23 Jan 2024 19:19

Tgt Ion: 117 Resp: 137261
Ion Ratio Lower Upper
117 100
82 61.3 46.2 69.4
119 31.9 25.5 38.3

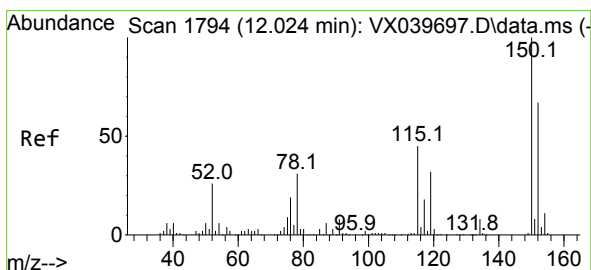
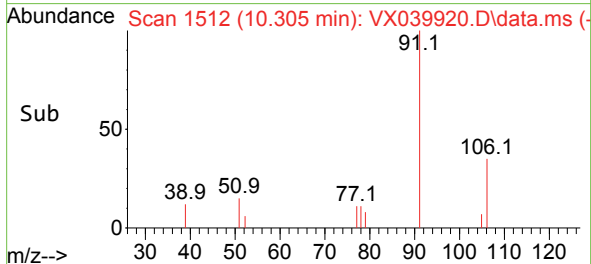
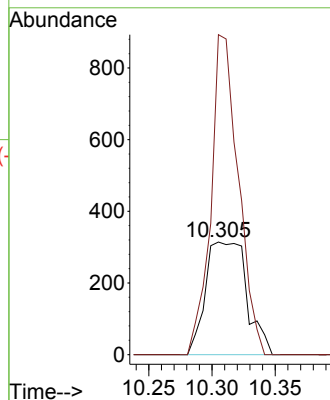
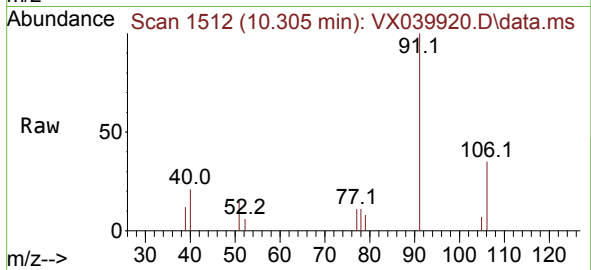




#68
m/p-Xylenes
Concen: 0.366 ug/l
RT: 10.305 min Scan# 11
Delta R.T. 0.006 min
Lab File: VX039920.D
Acq: 23 Jan 2024 19:19

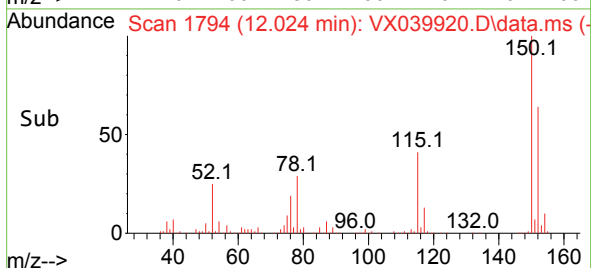
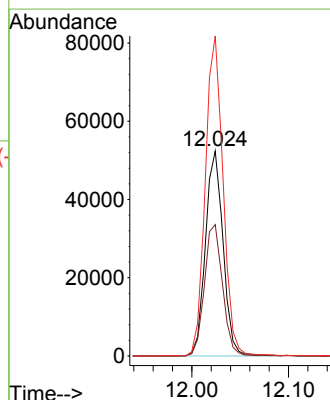
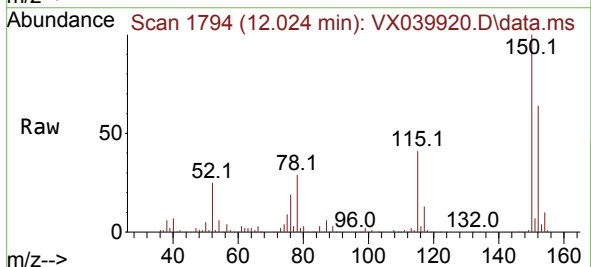
Instrument :
MSVOA_X
ClientSampleId :
CHRT-24376

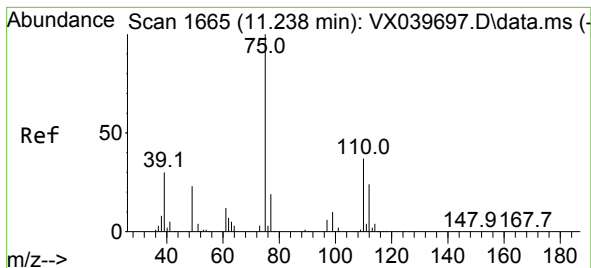
Tgt Ion:106 Resp: 714
Ion Ratio Lower Upper
106 100
91 189.1 165.5 248.3



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. 0.000 min
Lab File: VX039920.D
Acq: 23 Jan 2024 19:19

Tgt Ion:152 Resp: 66515
Ion Ratio Lower Upper
152 100
115 66.1 43.3 129.9
150 158.0 0.0 345.0





#76

1,2,3-Trichloropropane

Concen: 22.735 ug/l

RT: 11.079 min Scan# 1

Delta R.T. -0.158 min

Lab File: VX039920.D

Acq: 23 Jan 2024 19:19

Instrument :

MSVOA_X

ClientSampleId :

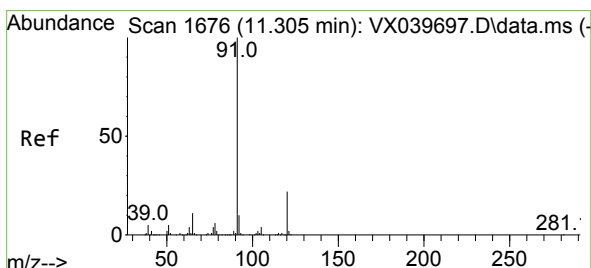
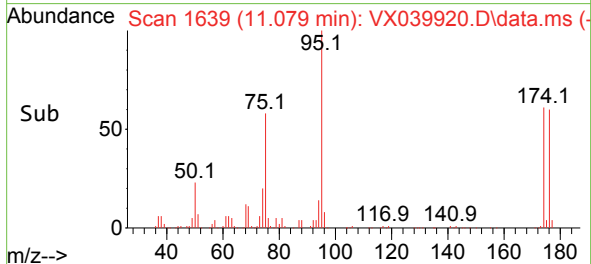
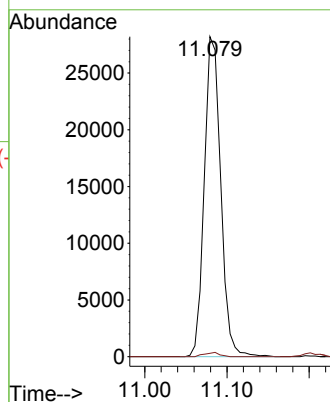
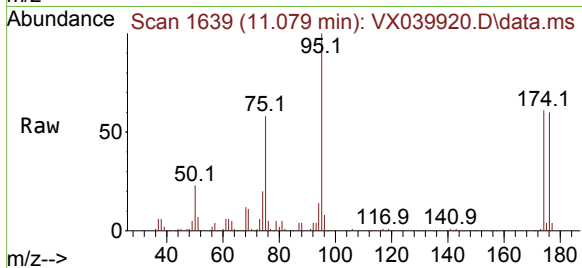
CHRT-24376

Tgt Ion: 75 Resp: 39206

Ion Ratio Lower Upper

75 100

77 1.2 19.1 57.5#



#78

n-propylbenzene

Concen: 0.219 ug/l

RT: 11.311 min Scan# 1677

Delta R.T. 0.006 min

Lab File: VX039920.D

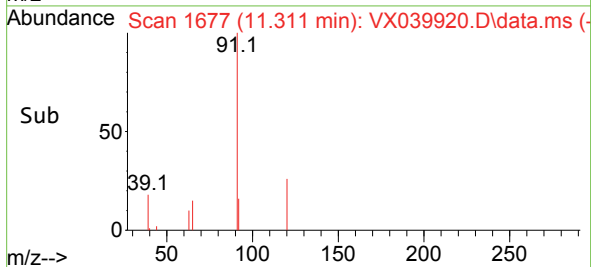
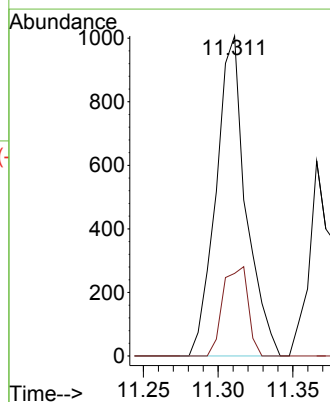
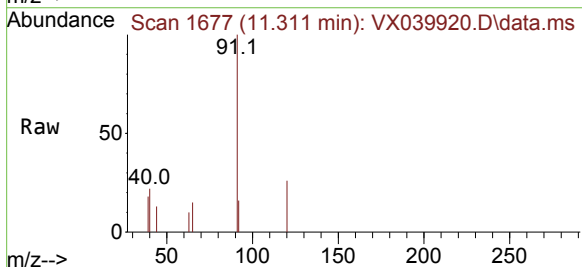
Acq: 23 Jan 2024 19:19

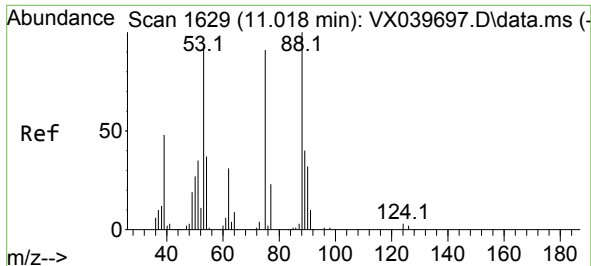
Tgt Ion: 91 Resp: 1403

Ion Ratio Lower Upper

91 100

120 23.4 11.5 34.4

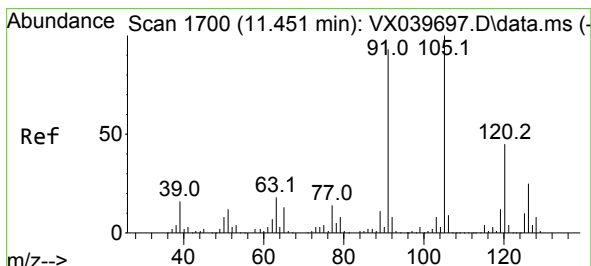
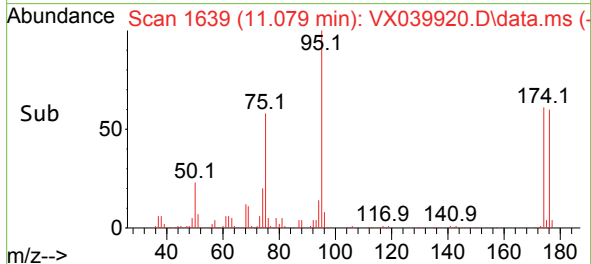
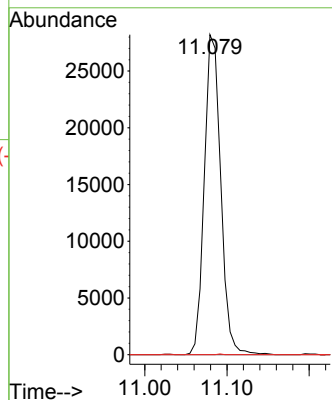
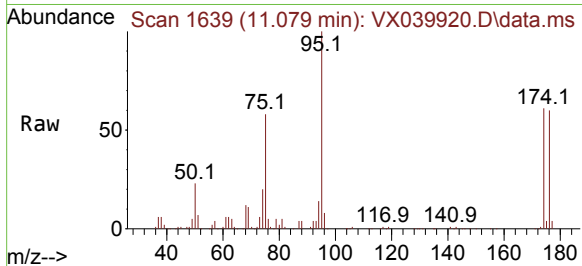




#81
trans-1,4-Dichloro-2-butene
Concen: 65.738 ug/l
RT: 11.079 min Scan# 1
Delta R.T. 0.061 min
Lab File: VX039920.D
Acq: 23 Jan 2024 19:19

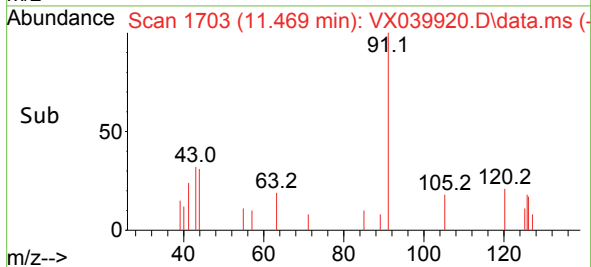
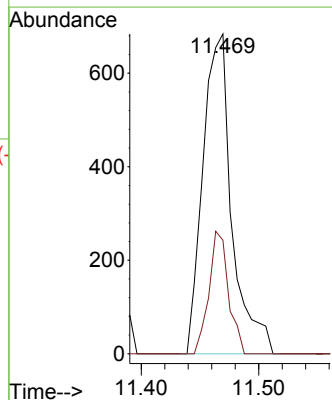
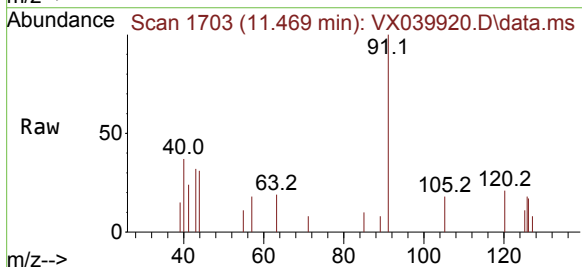
Instrument :
MSVOA_X
ClientSampleId :
CHRT-24376

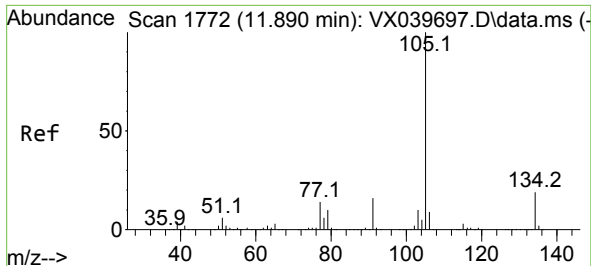
Tgt Ion: 75 Resp: 39206
Ion Ratio Lower Upper
75 100
53 0.0 90.5 135.7#
89 0.1 36.9 55.3#



#82
4-Chlorotoluene
Concen: 0.260 ug/l
RT: 11.469 min Scan# 1703
Delta R.T. 0.018 min
Lab File: VX039920.D
Acq: 23 Jan 2024 19:19

Tgt Ion: 91 Resp: 1169
Ion Ratio Lower Upper
91 100
126 25.8 14.2 42.6

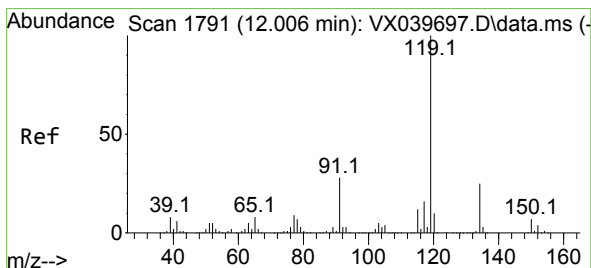
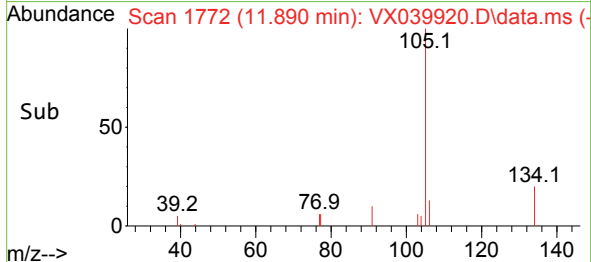
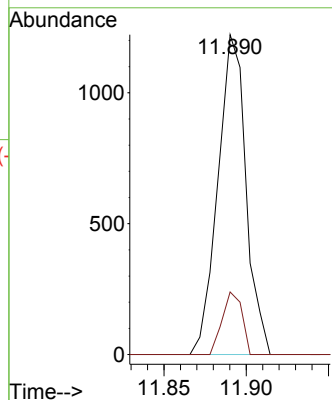
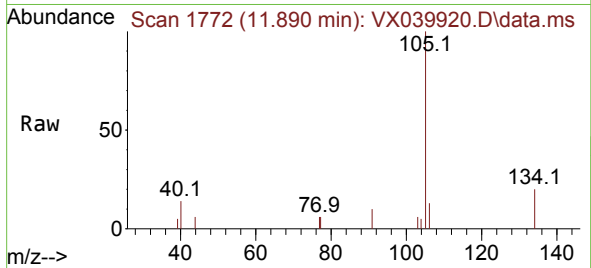




#85
 sec-Butylbenzene
 Concen: 0.261 ug/l
 RT: 11.890 min Scan# 1772
 Delta R.T. 0.000 min
 Lab File: VX039920.D
 Acq: 23 Jan 2024 19:19

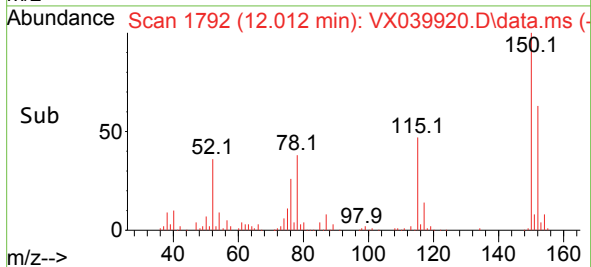
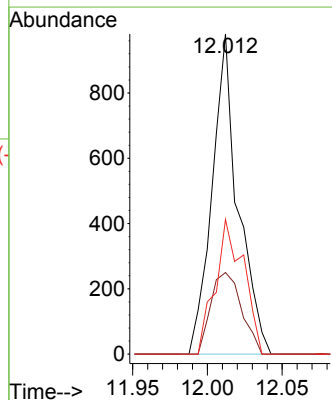
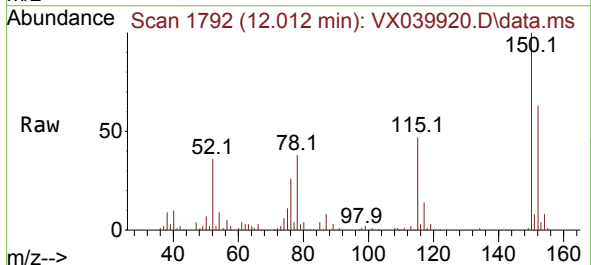
Instrument :
 MSVOA_X
 ClientSampleId :
 CHRT-24376

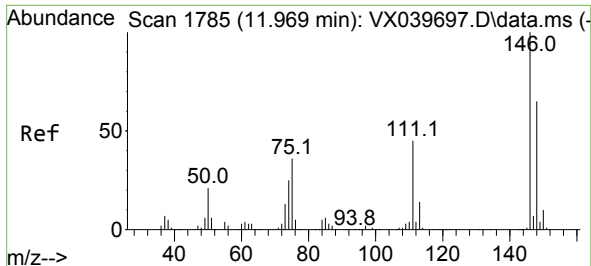
Tgt Ion:105 Resp: 1453
 Ion Ratio Lower Upper
 105 100
 134 13.7 9.8 29.4



#86
 p-Isopropyltoluene
 Concen: 0.266 ug/l
 RT: 12.012 min Scan# 1792
 Delta R.T. 0.006 min
 Lab File: VX039920.D
 Acq: 23 Jan 2024 19:19

Tgt Ion:119 Resp: 1184
 Ion Ratio Lower Upper
 119 100
 134 30.2 12.8 38.3
 91 45.8 13.1 39.3#





#87

1,3-Dichlorobenzene

Concen: 0.342 ug/l

RT: 11.976 min Scan# 1786

Delta R.T. 0.006 min

Lab File: VX039920.D

Acq: 23 Jan 2024 19:19

Instrument :

MSVOA_X

ClientSampleId :

CHRT-24376

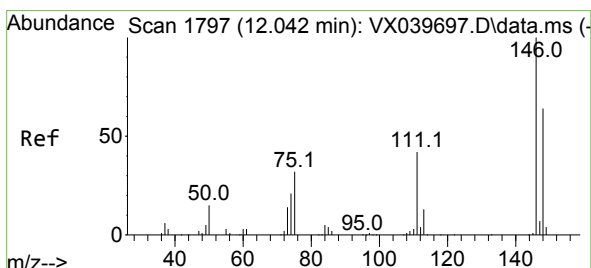
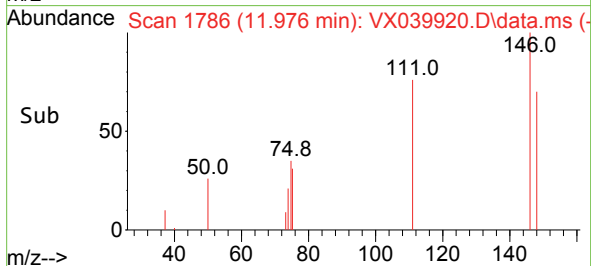
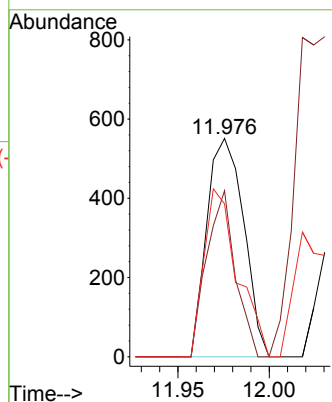
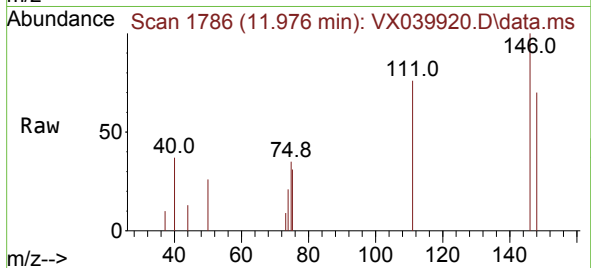
Tgt Ion:146 Resp: 774

Ion Ratio Lower Upper

146 100

111 58.9 22.1 66.1

148 70.3 31.8 95.3



#88

1,4-Dichlorobenzene

Concen: 0.332 ug/l

RT: 11.976 min Scan# 1786

Delta R.T. -0.067 min

Lab File: VX039920.D

Acq: 23 Jan 2024 19:19

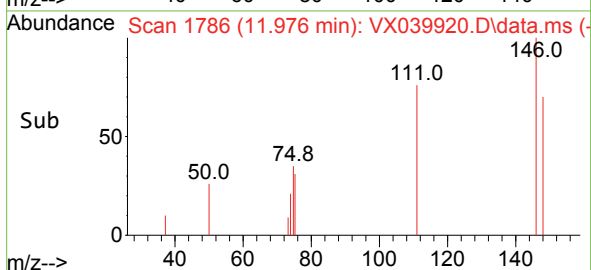
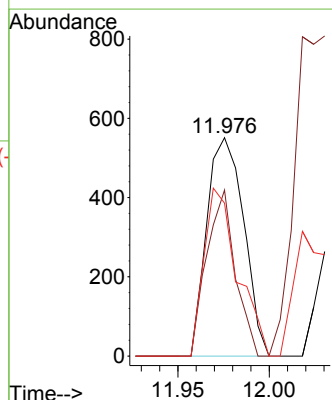
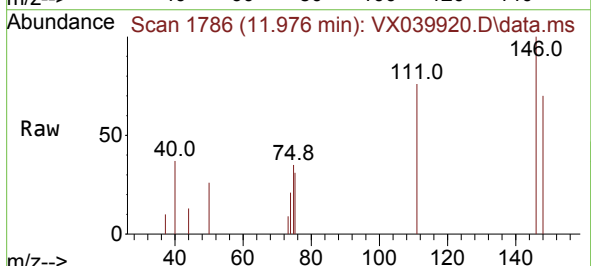
Tgt Ion:146 Resp: 774

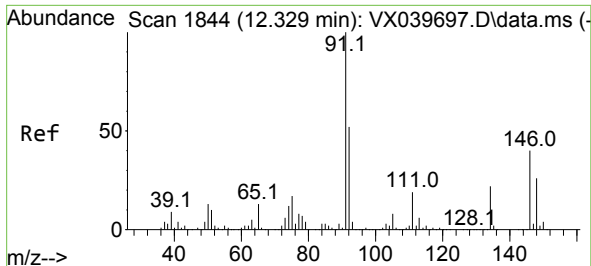
Ion Ratio Lower Upper

146 100

111 58.9 21.3 63.7

148 70.3 31.8 95.4





#89

n-Butylbenzene

Concen: 0.476 ug/l

RT: 12.335 min Scan# 1845

Delta R.T. 0.006 min

Lab File: VX039920.D

Acq: 23 Jan 2024 19:19

Instrument :

MSVOA_X

ClientSampleId :

CHRT-24376

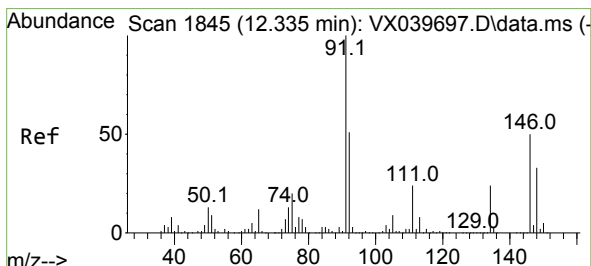
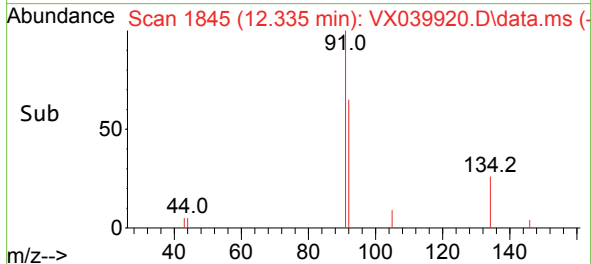
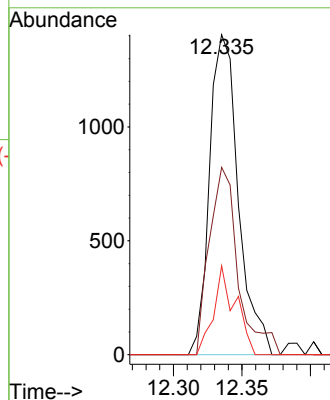
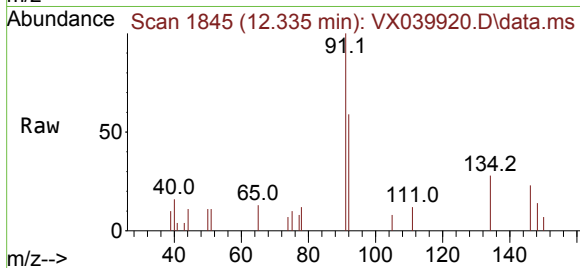
Tgt Ion: 91 Resp: 2049

Ion Ratio Lower Upper

91 100

92 58.7 27.4 82.0

134 21.1 12.6 37.8



#91

1,2-Dichlorobenzene

Concen: 0.251 ug/l

RT: 12.341 min Scan# 1846

Delta R.T. 0.006 min

Lab File: VX039920.D

Acq: 23 Jan 2024 19:19

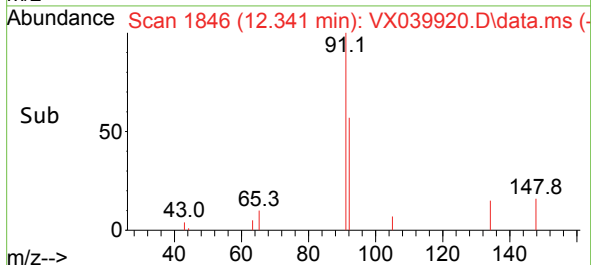
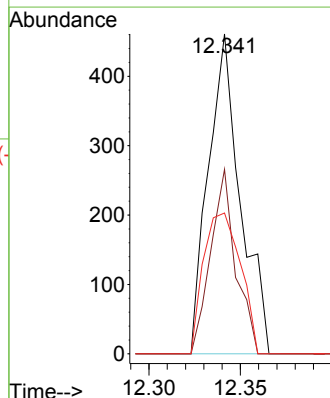
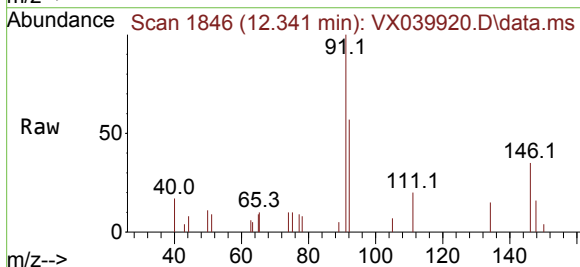
Tgt Ion: 146 Resp: 561

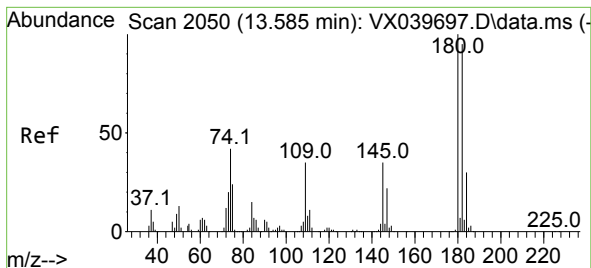
Ion Ratio Lower Upper

146 100

111 45.3 22.4 67.0

148 51.0 31.6 95.0





#93

1,2,4-Trichlorobenzene

Concen: 0.765 ug/l

RT: 13.591 min Scan# 2050

Delta R.T. 0.006 min

Lab File: VX039920.D

Acq: 23 Jan 2024 19:19

Instrument :

MSVOA_X

ClientSampleId :

CHRT-24376

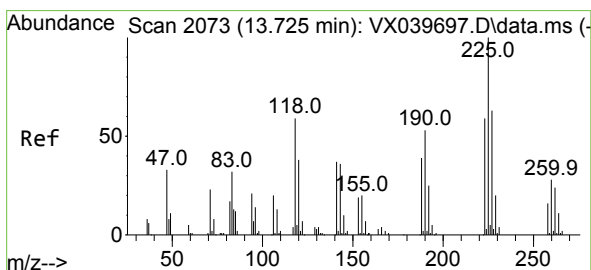
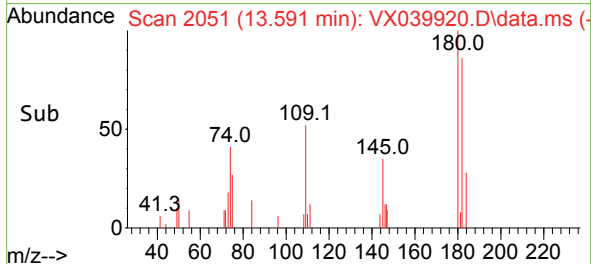
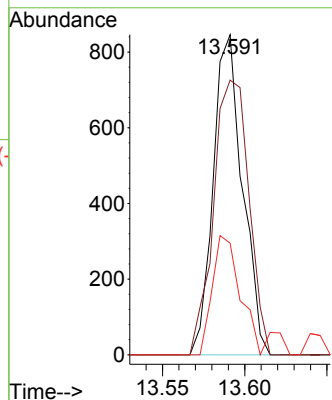
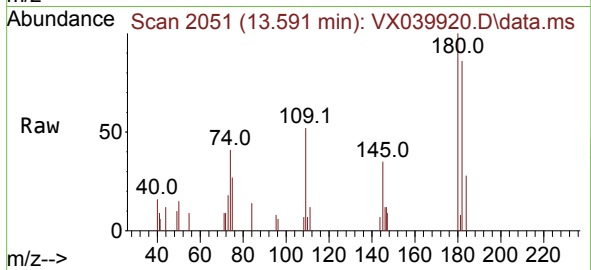
Tgt Ion:180 Resp: 1045

Ion Ratio Lower Upper

180 100

182 103.6 48.3 144.8

145 39.5 18.0 54.0



#94

Hexachlorobutadiene

Concen: 1.024 ug/l

RT: 13.725 min Scan# 2073

Delta R.T. 0.000 min

Lab File: VX039920.D

Acq: 23 Jan 2024 19:19

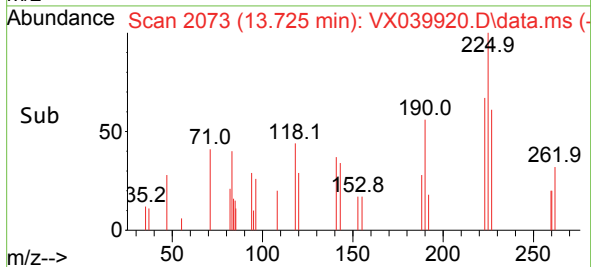
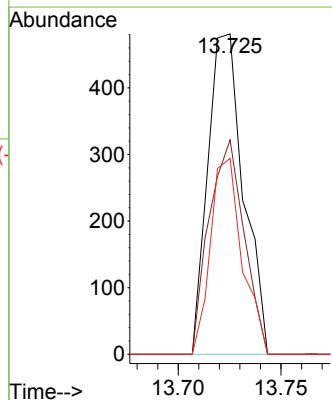
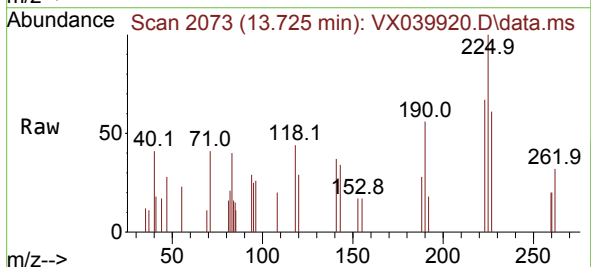
Tgt Ion:225 Resp: 581

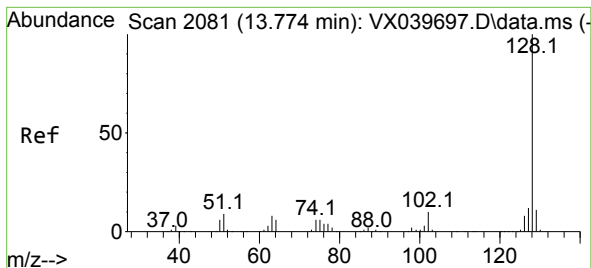
Ion Ratio Lower Upper

225 100

223 65.6 31.1 93.2

227 54.4 32.5 97.5





#95

Naphthalene

Concen: 0.711 ug/l

RT: 13.780 min Scan# 2081

Delta R.T. 0.006 min

Lab File: VX039920.D

Acq: 23 Jan 2024 19:19

Instrument :

MSVOA_X

ClientSampleId :

CHRT-24376

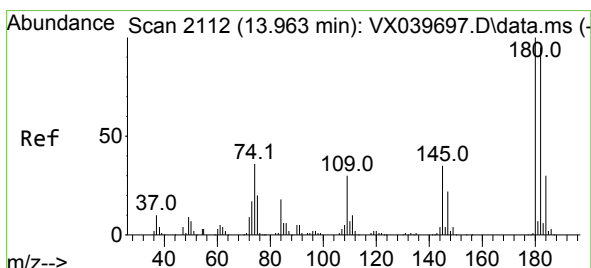
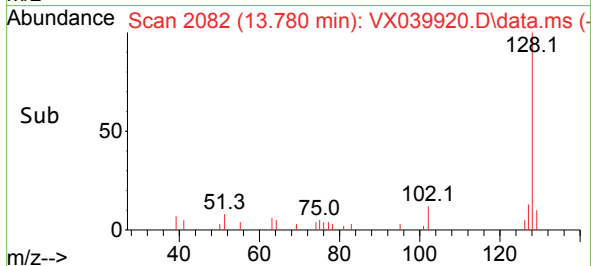
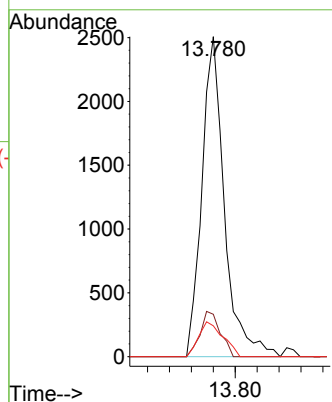
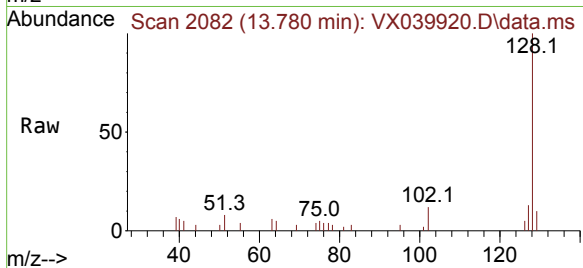
Tgt Ion:128 Resp: 3572

Ion Ratio Lower Upper

128 100

127 12.6 10.3 15.5

129 11.8 8.8 13.2



#96

1,2,3-Trichlorobenzene

Concen: 0.723 ug/l

RT: 13.963 min Scan# 2112

Delta R.T. 0.000 min

Lab File: VX039920.D

Acq: 23 Jan 2024 19:19

Tgt Ion:180 Resp: 996

Ion Ratio Lower Upper

180 100

182 90.1 46.9 140.6

145 37.8 17.8 53.5

