

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX112023\
 Data File : VX038971.D
 Acq On : 20 Nov 2023 20:03
 Operator : JC/MD
 Sample : 05431-05DL 100X
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 27 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 56BR-20231113DL

Quant Time: Nov 21 00:26:31 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X111623W.M
 Quant Title : SW846 8260
 QLast Update : Thu Nov 16 22:59:22 2023
 Response via : Initial Calibration

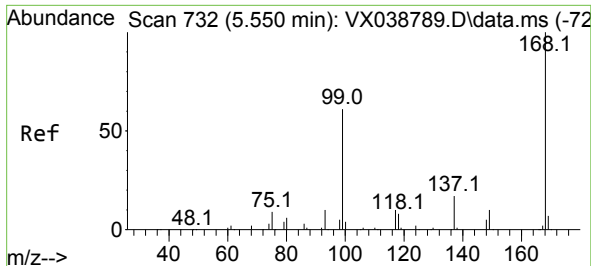
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Pentafluorobenzene	5.556	168	102387	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	209573	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	216805	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	107973	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	83013	50.317	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery = 100.640%			
35) Dibromofluoromethane	5.385	113	66432	43.890	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 87.780%			
50) Toluene-d8	8.647	98	264805	45.727	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery = 91.460%#			
62) 4-Bromofluorobenzene	11.079	95	115985	50.032	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 100.060%			
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.173	85	356	0.298	ug/l #	41
4) Vinyl Chloride	1.374	62	1459	0.971	ug/l	96
6) Chloroethane	1.697	64	178	0.208	ug/l #	43
9) 1,1,2-Trichlorotrifluo...	2.331	101	559	0.442	ug/l	94
11) Tert butyl alcohol	2.959	59	601	1.310	ug/l #	78
12) 1,1-Dichloroethene	2.331	96	267	0.209	ug/l #	58
13) Acrolein	2.239	56	81	0.334	ug/l #	1
16) Acetone	2.380	43	578	0.658	ug/l	94
20) Methylene Chloride	2.788	84	1620	1.023	ug/l #	82
27) cis-1,2-Dichloroethene	4.489	96	37055	22.577	ug/l	88
31) Cyclohexane	5.556	56	2740	1.163	ug/l #	3
36) 1,1-Dichloropropene	5.550	75	9504	4.381	ug/l #	50
38) Carbon Tetrachloride	5.550	117	11471	5.721	ug/l #	15
39) Methylcyclohexane	7.123	83	2325	0.822	ug/l #	1
44) Trichloroethene	7.123	130	165249	105.810	ug/l	91
76) 1,2,3-Trichloropropane	11.079	75	61939	22.992	ug/l #	39
81) trans-1,4-Dichloro-2-b...	11.079	75	61939	50.999	ug/l #	5

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

Quant Time: Nov 21 00:26:31 2023
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X111623W.M
Quant Title : SW846 8260
QLast Update : Thu Nov 16 22:59:22 2023
Response via : Initial Calibration

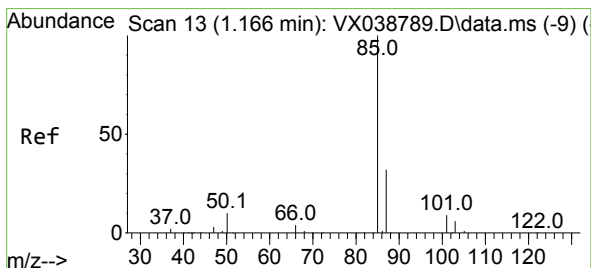
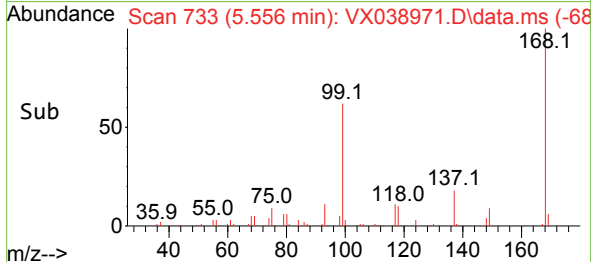
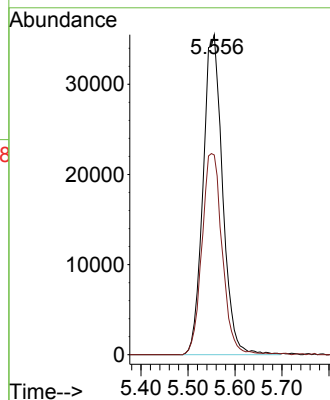
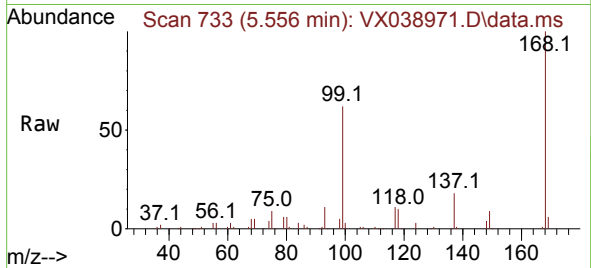




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.556 min Scan# 71
Delta R.T. 0.006 min
Lab File: VX038971.D
Acq: 20 Nov 2023 20:03

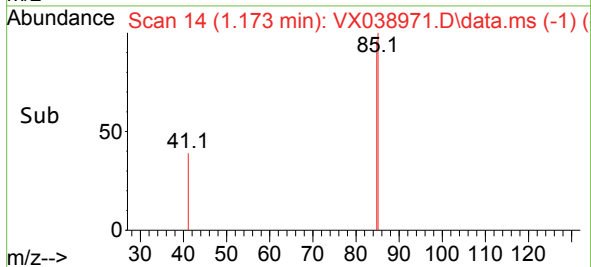
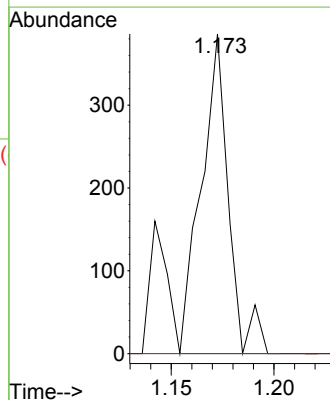
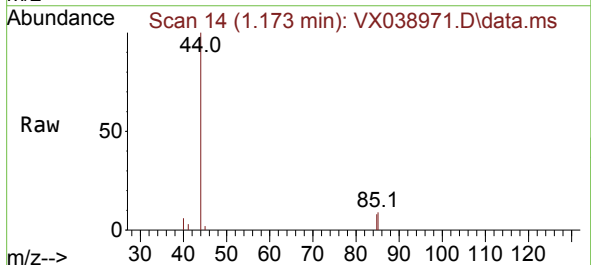
Instrument :
MSVOA_X
ClientSampleId :
56BR-20231113DL

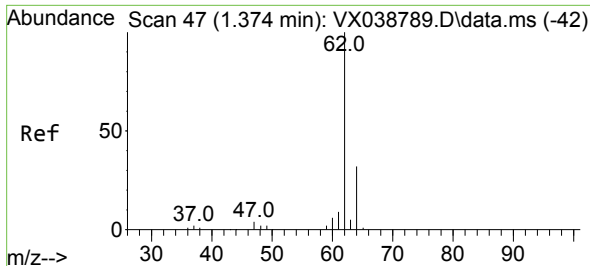
Tgt Ion:168 Resp: 102387
Ion Ratio Lower Upper
168 100
99 62.4 56.6 85.0



#2
Dichlorodifluoromethane
Concen: 0.298 ug/l
RT: 1.173 min Scan# 14
Delta R.T. 0.007 min
Lab File: VX038971.D
Acq: 20 Nov 2023 20:03

Tgt Ion: 85 Resp: 356
Ion Ratio Lower Upper
85 100
87 0.0 16.7 50.1#

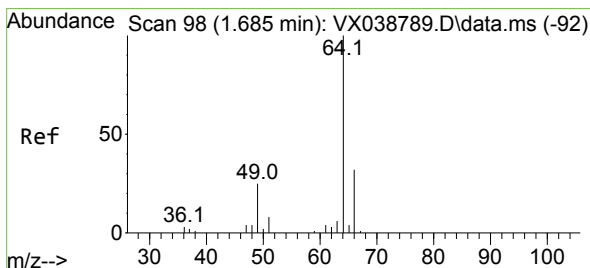
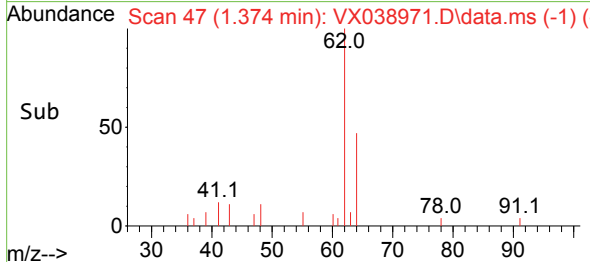
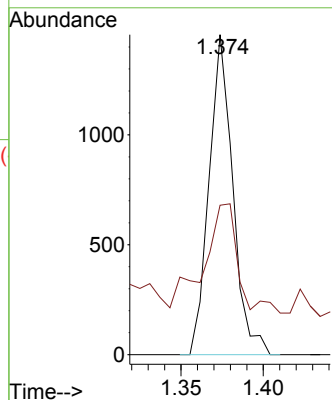
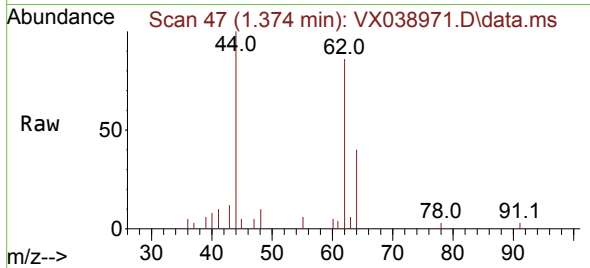




#4
 Vinyl Chloride
 Concen: 0.971 ug/l
 RT: 1.374 min Scan# 41
 Delta R.T. -0.000 min
 Lab File: VX038971.D
 Acq: 20 Nov 2023 20:03

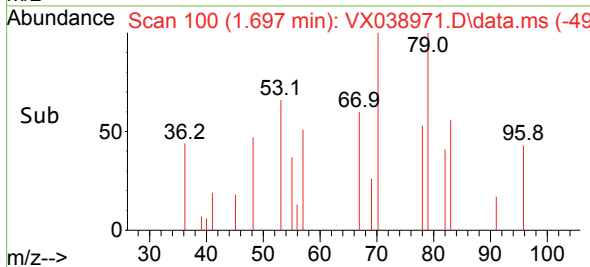
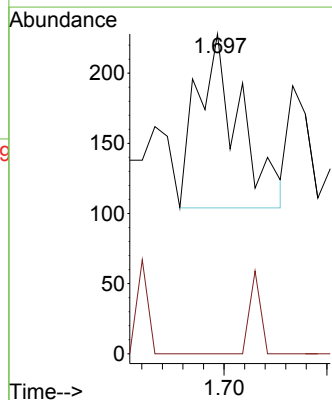
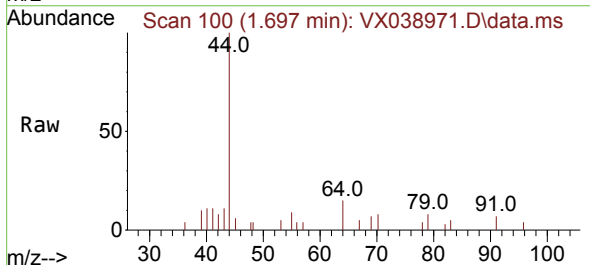
Instrument :
 MSVOA_X
 ClientSampleId :
 56BR-20231113DL

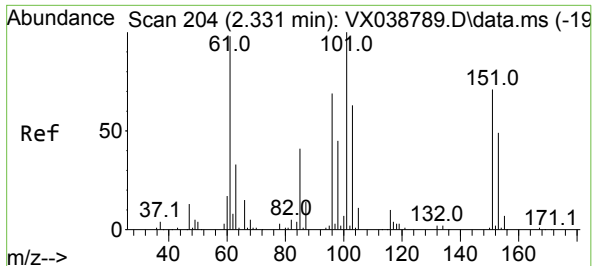
Tgt Ion: 62 Resp: 1459
 Ion Ratio Lower Upper
 62 100
 64 33.7 25.4 38.0



#6
 Chloroethane
 Concen: 0.208 ug/l
 RT: 1.697 min Scan# 100
 Delta R.T. 0.012 min
 Lab File: VX038971.D
 Acq: 20 Nov 2023 20:03

Tgt Ion: 64 Resp: 178
 Ion Ratio Lower Upper
 64 100
 66 0.0 25.1 37.7#

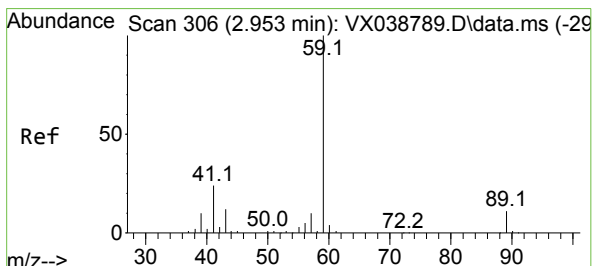
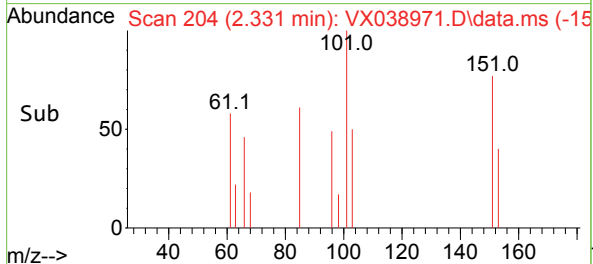
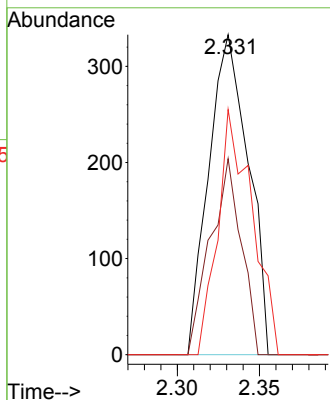
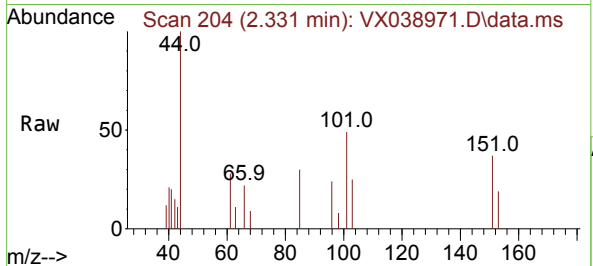




#9
1,1,2-Trichlorotrifluoroethane
Concen: 0.442 ug/l
RT: 2.331 min Scan# 204
Delta R.T. 0.000 min
Lab File: VX038971.D
Acq: 20 Nov 2023 20:03

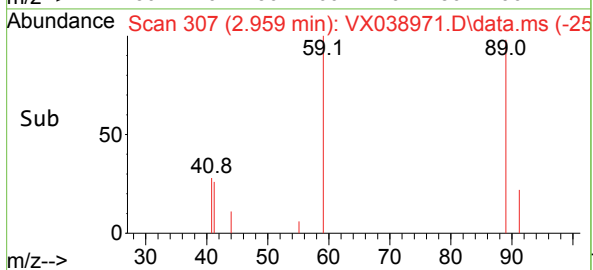
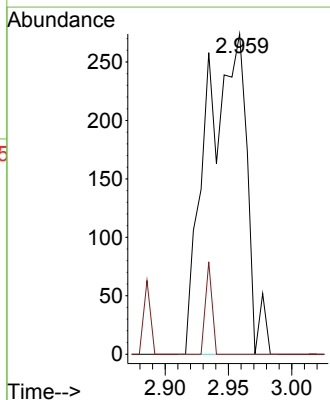
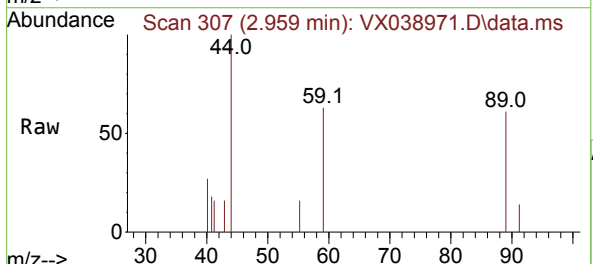
Instrument :
MSVOA_X
ClientSampleId :
56BR-20231113DL

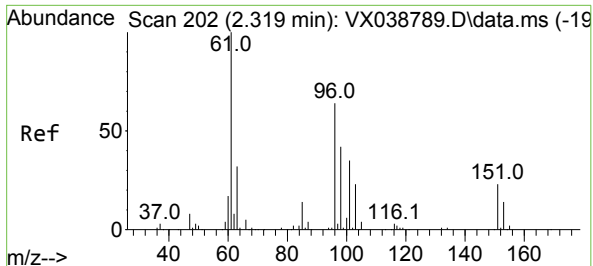
Tgt Ion:101 Resp: 559
Ion Ratio Lower Upper
101 100
85 47.8 37.0 55.6
151 66.0 58.6 87.8



#11
Tert butyl alcohol
Concen: 1.310 ug/l
RT: 2.959 min Scan# 307
Delta R.T. 0.006 min
Lab File: VX038971.D
Acq: 20 Nov 2023 20:03

Tgt Ion: 59 Resp: 601
Ion Ratio Lower Upper
59 100
57 0.0 6.0 9.0#





#12

1,1-Dichloroethene

Concen: 0.209 ug/l

RT: 2.331 min Scan# 204

Delta R.T. 0.012 min

Lab File: VX038971.D

Acq: 20 Nov 2023 20:03

Instrument :

MSVOA_X

ClientSampleId :

56BR-20231113DL

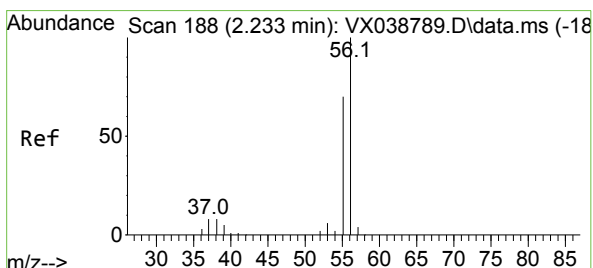
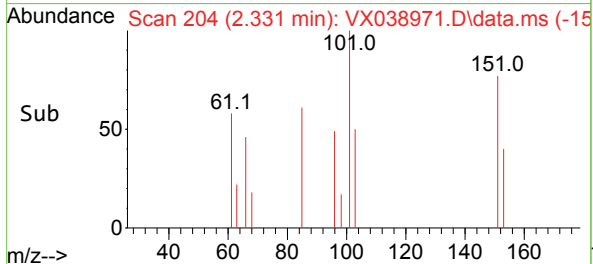
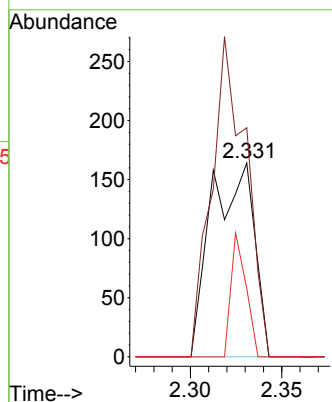
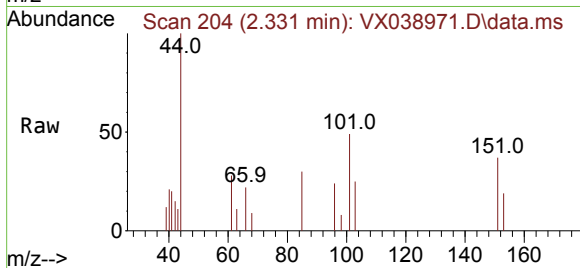
Tgt Ion: 96 Resp: 267

Ion Ratio Lower Upper

96 100

61 118.3 144.6 216.8#

98 35.4 50.4 75.6#



#13

Acrolein

Concen: 0.334 ug/l

RT: 2.239 min Scan# 189

Delta R.T. 0.006 min

Lab File: VX038971.D

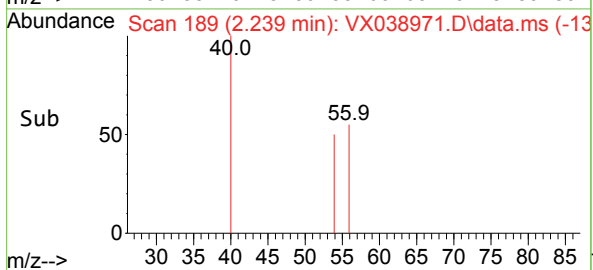
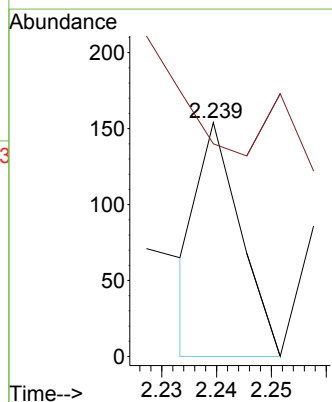
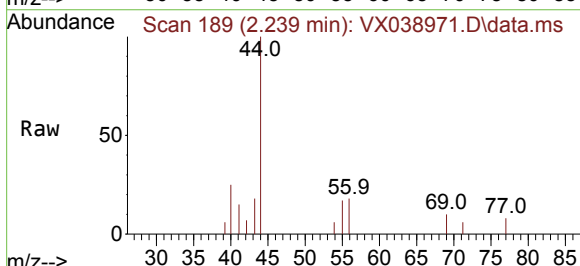
Acq: 20 Nov 2023 20:03

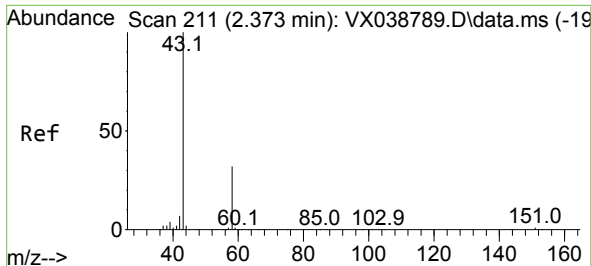
Tgt Ion: 56 Resp: 81

Ion Ratio Lower Upper

56 100

55 392.6 57.1 85.7#





#16

Acetone

Concen: 0.658 ug/l

RT: 2.380 min Scan# 211

Delta R.T. 0.006 min

Lab File: VX038971.D

Acq: 20 Nov 2023 20:03

Instrument :

MSVOA_X

ClientSampleId :

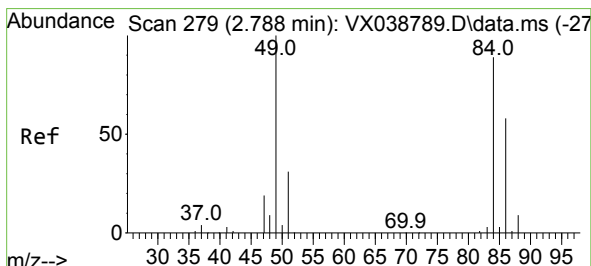
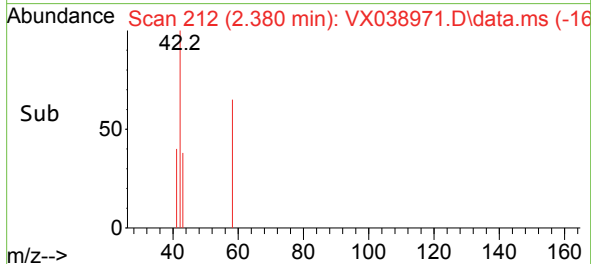
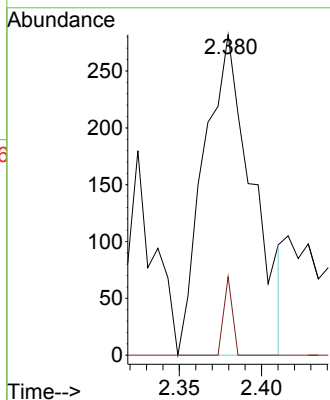
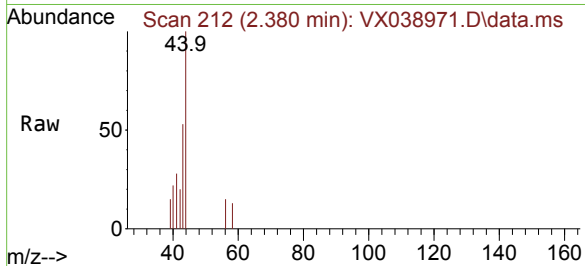
56BR-20231113DL

Tgt Ion: 43 Resp: 578

Ion Ratio Lower Upper

43 100

58 24.5 21.9 32.9



#20

Methylene Chloride

Concen: 1.023 ug/l

RT: 2.788 min Scan# 279

Delta R.T. 0.000 min

Lab File: VX038971.D

Acq: 20 Nov 2023 20:03

Tgt Ion: 84 Resp: 1620

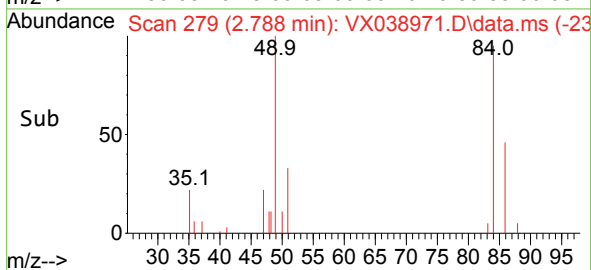
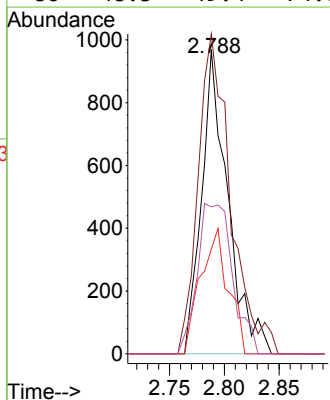
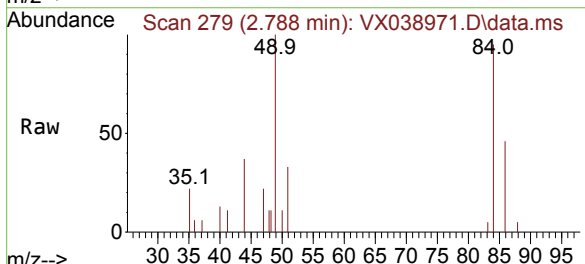
Ion Ratio Lower Upper

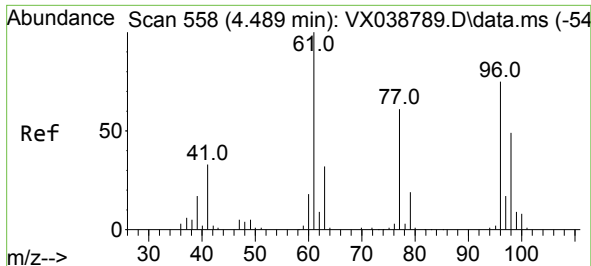
84 100

49 105.2 103.6 155.4

51 34.5 33.8 50.6

86 48.3 49.4 74.0#

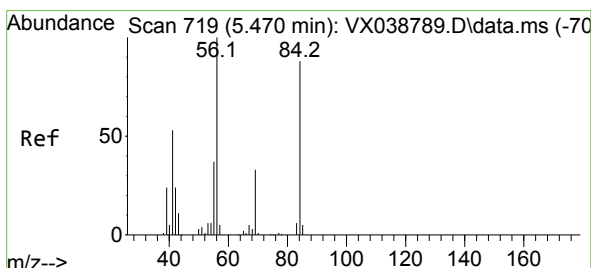
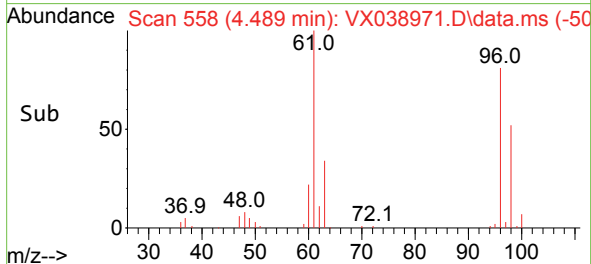
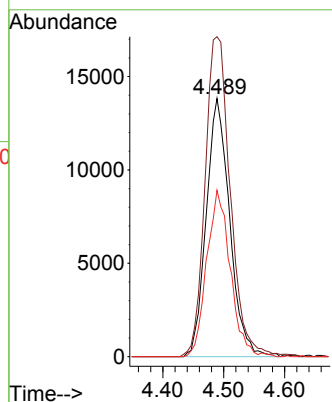
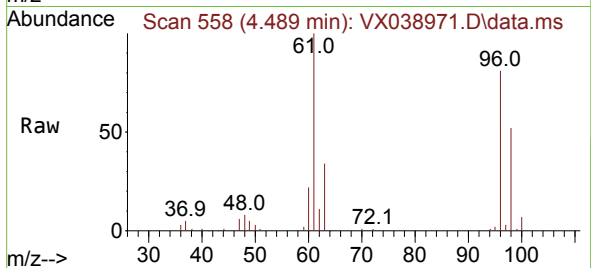




#27
cis-1,2-Dichloroethene
Concen: 22.577 ug/l
RT: 4.489 min Scan# 51
Delta R.T. 0.000 min
Lab File: VX038971.D
Acq: 20 Nov 2023 20:03

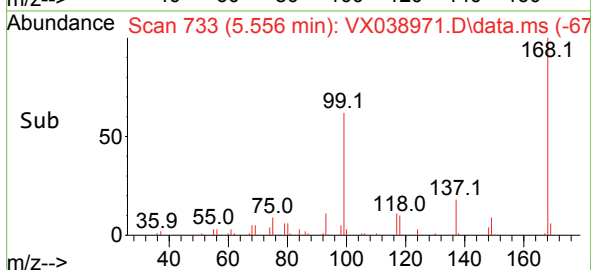
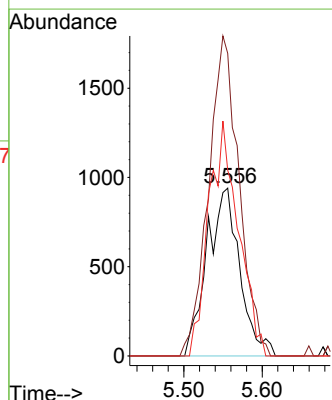
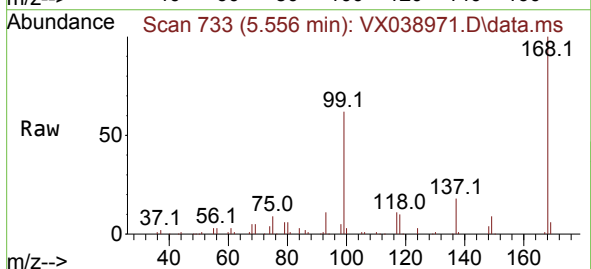
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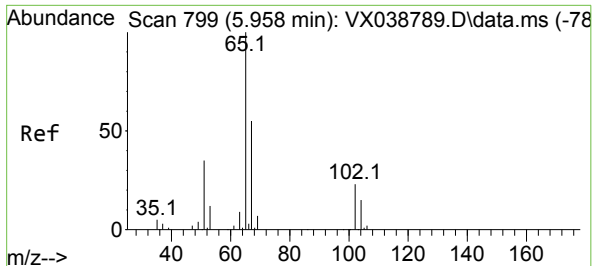
Tgt Ion: 96 Resp: 37055
Ion Ratio Lower Upper
96 100
61 133.4 0.0 312.2
98 64.7 0.0 129.0



#31
Cyclohexane
Concen: 1.163 ug/l
RT: 5.556 min Scan# 733
Delta R.T. 0.085 min
Lab File: VX038971.D
Acq: 20 Nov 2023 20:03

Tgt Ion: 56 Resp: 2740
Ion Ratio Lower Upper
56 100
69 180.3 23.4 35.2#
84 110.7 65.9 98.9#





#33

1,2-Dichloroethane-d4

Concen: 50.317 ug/l

RT: 5.958 min Scan# 799

Delta R.T. 0.000 min

Lab File: VX038971.D

Acq: 20 Nov 2023 20:03

Instrument :

MSVOA_X

ClientSampleId :

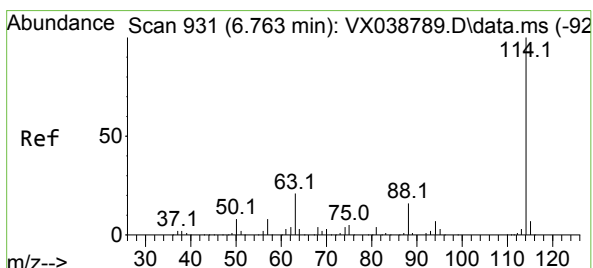
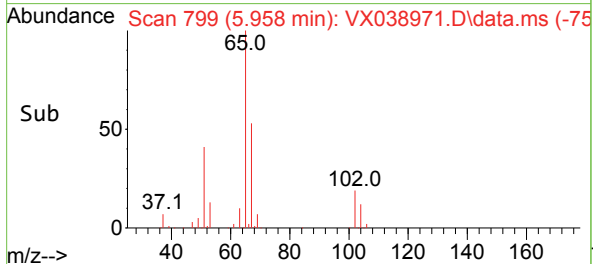
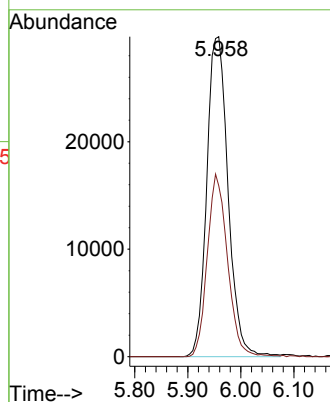
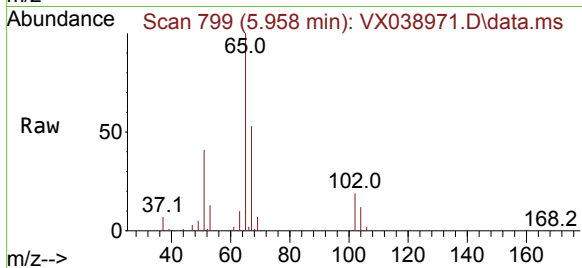
56BR-20231113DL

Tgt Ion: 65 Resp: 83013

Ion Ratio Lower Upper

65 100

67 54.3 0.0 100.2



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.763 min Scan# 931

Delta R.T. 0.000 min

Lab File: VX038971.D

Acq: 20 Nov 2023 20:03

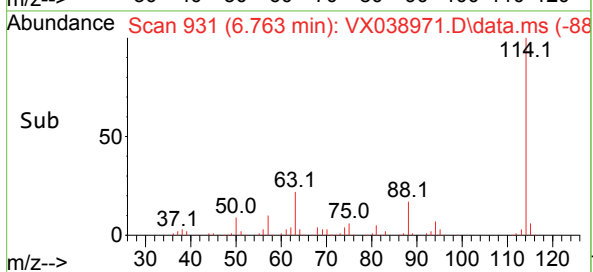
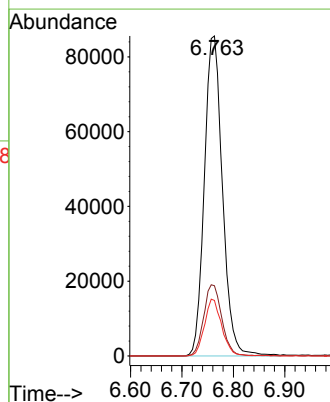
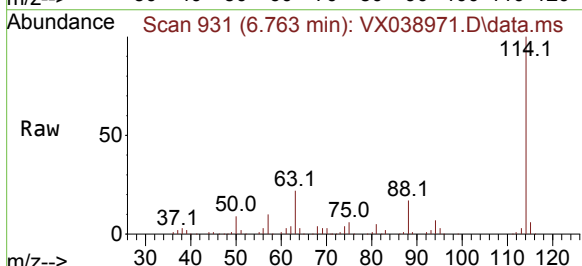
Tgt Ion: 114 Resp: 209573

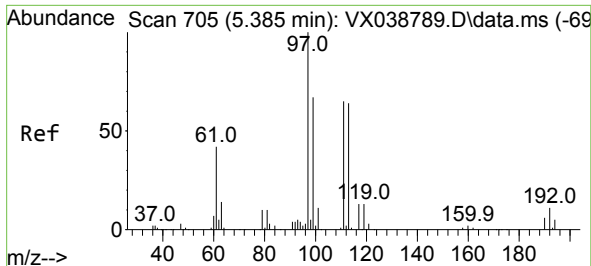
Ion Ratio Lower Upper

114 100

63 22.0 0.0 45.0

88 17.3 0.0 36.6

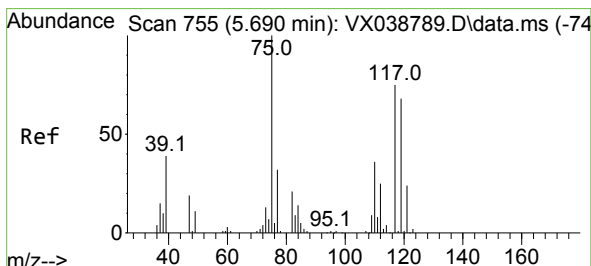
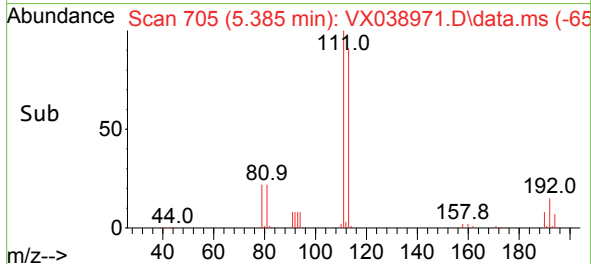
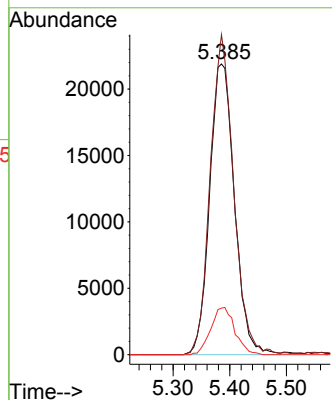
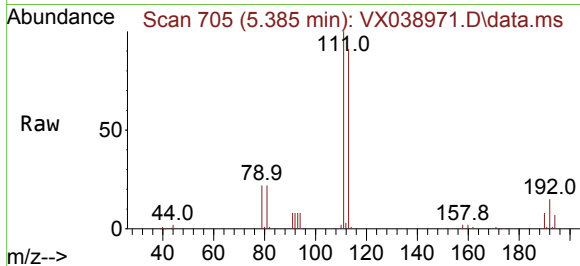




#35
Dibromofluoromethane
Concen: 43.890 ug/l
RT: 5.385 min Scan# 705
Delta R.T. 0.000 min
Lab File: VX038971.D
Acq: 20 Nov 2023 20:03

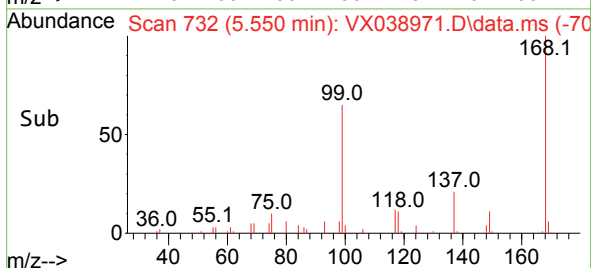
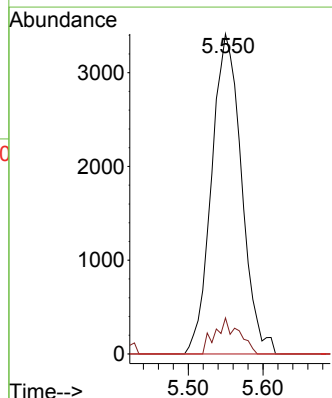
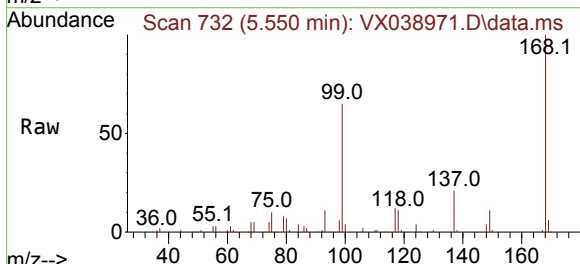
Instrument :
MSVOA_X
ClientSampleId :
56BR-20231113DL

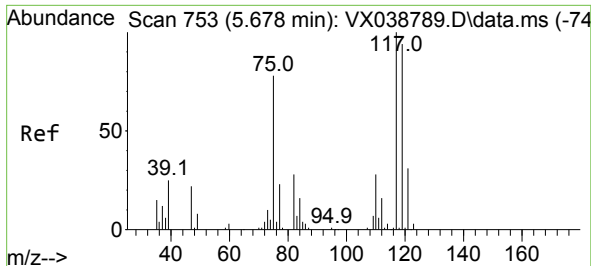
Tgt Ion:113 Resp: 66432
Ion Ratio Lower Upper
113 100
111 104.1 82.9 124.3
192 15.8 13.3 19.9



#36
1,1-Dichloropropene
Concen: 4.381 ug/l
RT: 5.550 min Scan# 732
Delta R.T. -0.140 min
Lab File: VX038971.D
Acq: 20 Nov 2023 20:03

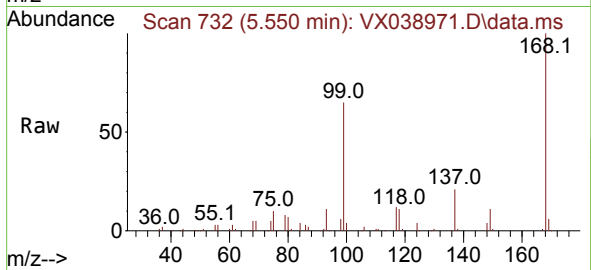
Tgt Ion: 75 Resp: 9504
Ion Ratio Lower Upper
75 100
110 8.9 17.0 50.9#
77 0.0 24.7 37.1#



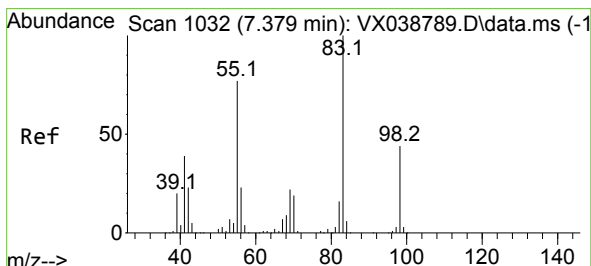
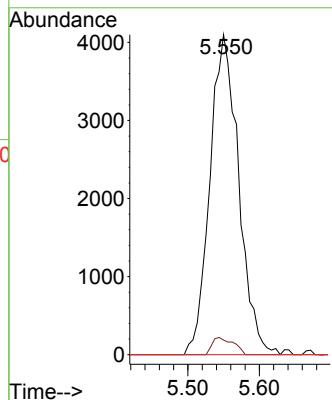
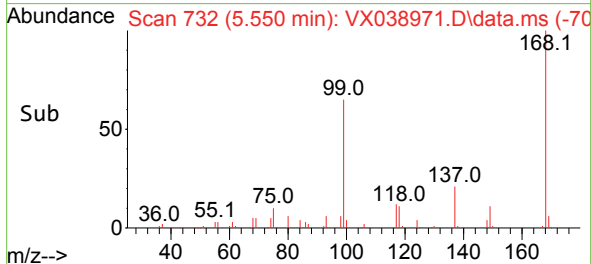


#38
Carbon Tetrachloride
Concen: 5.721 ug/l
RT: 5.550 min Scan# 71
Delta R.T. -0.128 min
Lab File: VX038971.D
Acq: 20 Nov 2023 20:03

Instrument :
MSVOA_X
ClientSampleId :
56BR-20231113DL

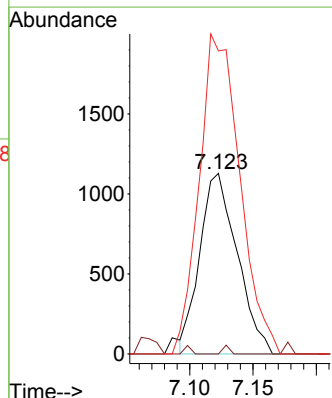
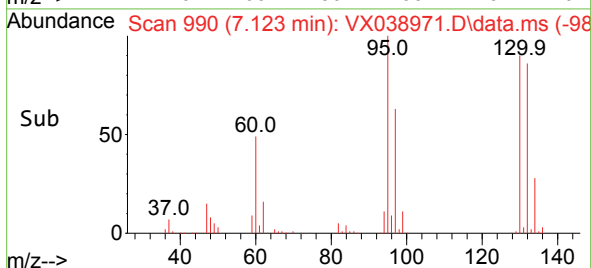
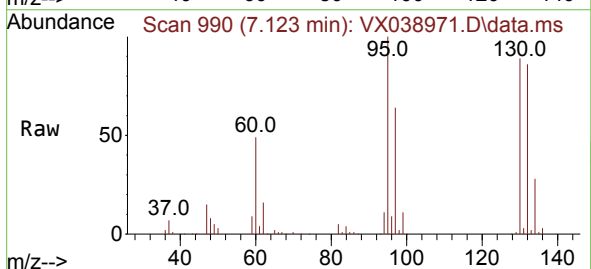


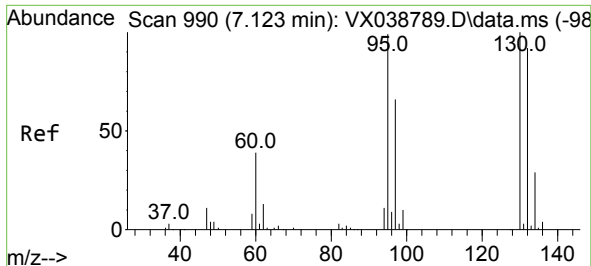
Tgt Ion:117 Resp: 11471
Ion Ratio Lower Upper
117 100
119 4.5 78.2 117.2#
121 0.0 24.4 36.6#



#39
Methylcyclohexane
Concen: 0.822 ug/l
RT: 7.123 min Scan# 990
Delta R.T. -0.256 min
Lab File: VX038971.D
Acq: 20 Nov 2023 20:03

Tgt Ion: 83 Resp: 2325
Ion Ratio Lower Upper
83 100
55 0.0 64.6 97.0#
98 167.8 36.7 55.1#

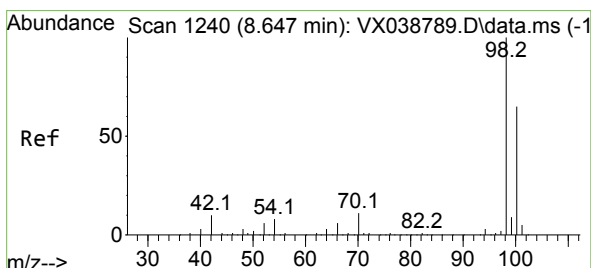
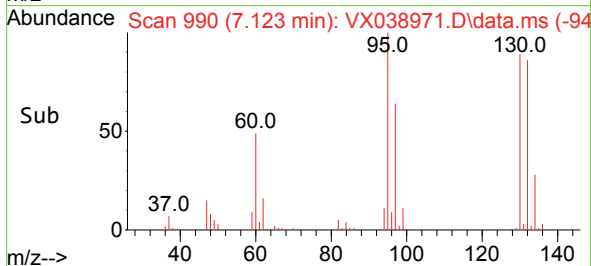
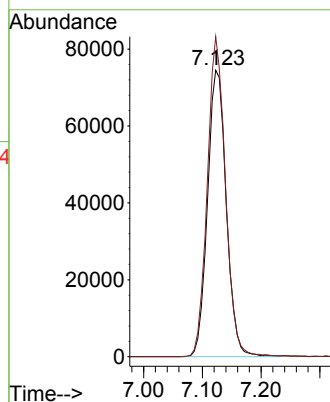
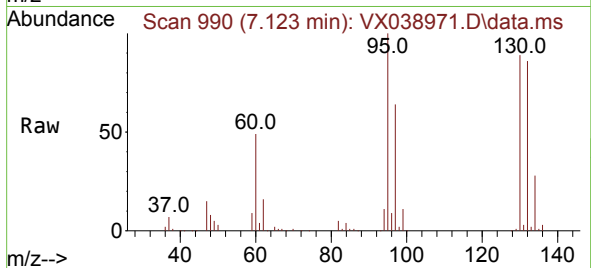




#44
Trichloroethene
Concen: 105.810 ug/l
RT: 7.123 min Scan# 990
Delta R.T. 0.000 min
Lab File: VX038971.D
Acq: 20 Nov 2023 20:03

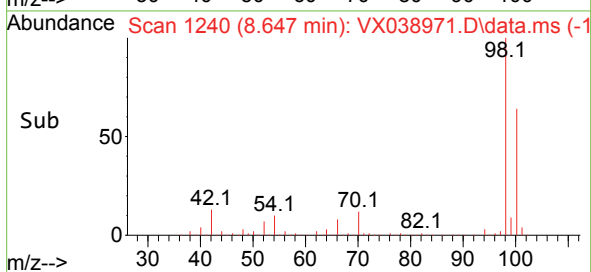
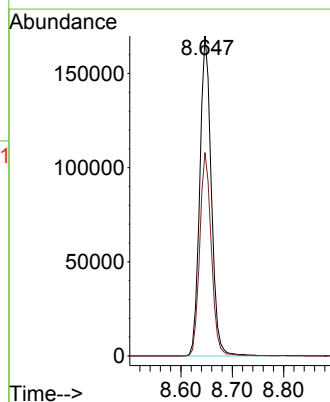
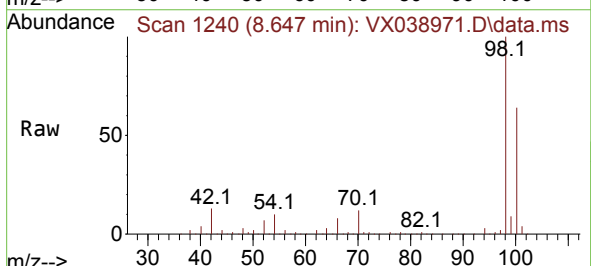
Instrument :
MSVOA_X
ClientSampleId :
56BR-20231113DL

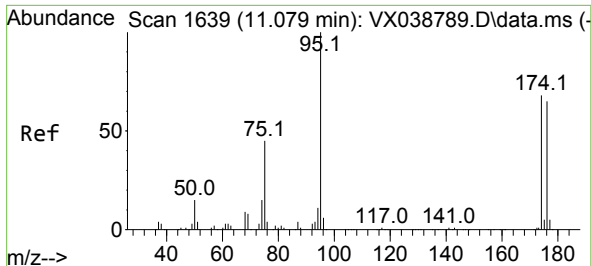
Tgt Ion:130 Resp: 165249
Ion Ratio Lower Upper
130 100
95 111.7 0.0 204.4



#50
Toluene-d8
Concen: 45.727 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. 0.000 min
Lab File: VX038971.D
Acq: 20 Nov 2023 20:03

Tgt Ion: 98 Resp: 264805
Ion Ratio Lower Upper
98 100
100 63.9 53.1 79.7

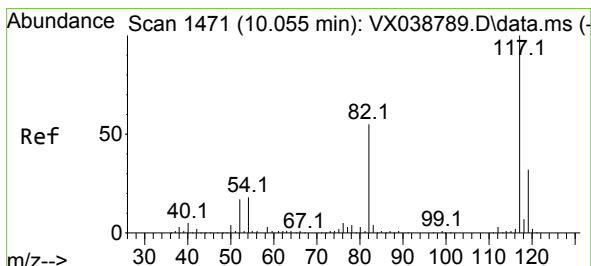
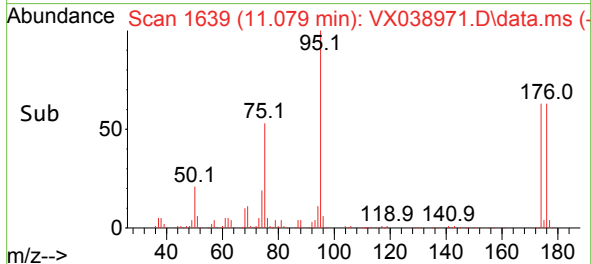
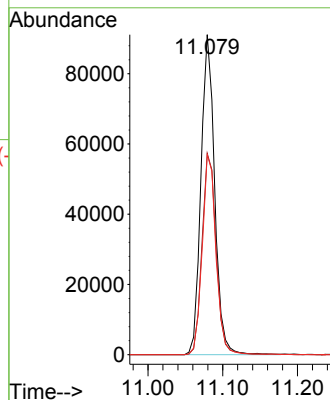
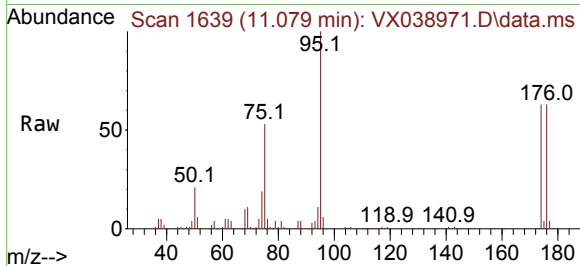




#62
4-Bromofluorobenzene
Concen: 50.032 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.000 min
Lab File: VX038971.D
Acq: 20 Nov 2023 20:03

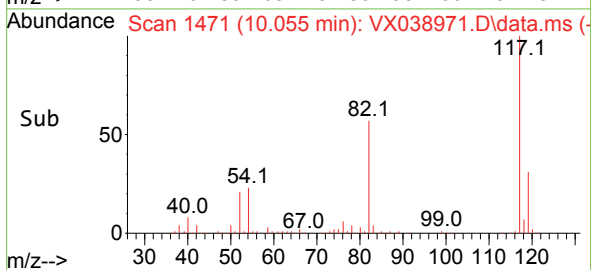
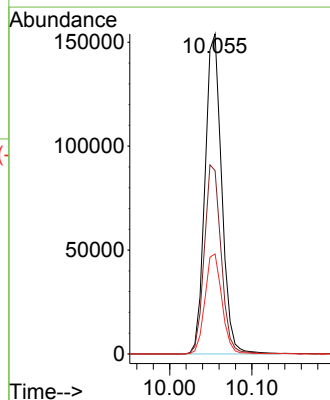
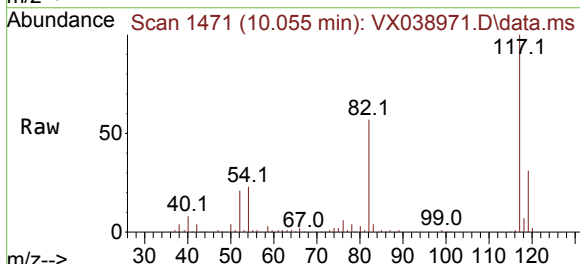
Instrument :
MSVOA_X
ClientSampleId :
56BR-20231113DL

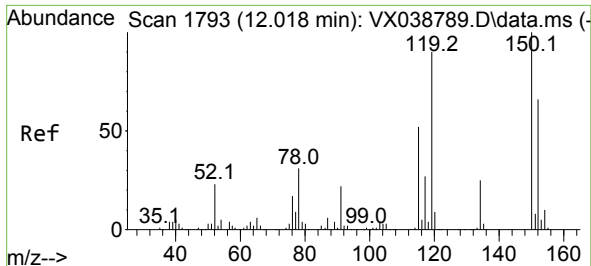
Tgt Ion: 95 Resp: 115985
Ion Ratio Lower Upper
95 100
174 64.8 0.0 135.6
176 63.0 0.0 131.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.000 min
Lab File: VX038971.D
Acq: 20 Nov 2023 20:03

Tgt Ion: 117 Resp: 216805
Ion Ratio Lower Upper
117 100
82 57.3 46.2 69.4
119 31.2 25.5 38.3

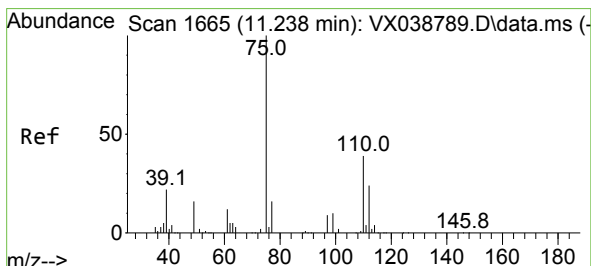
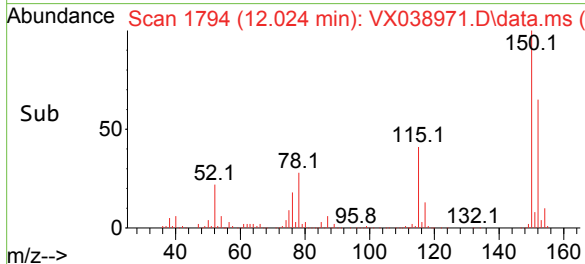
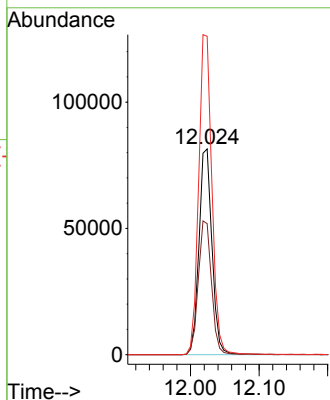
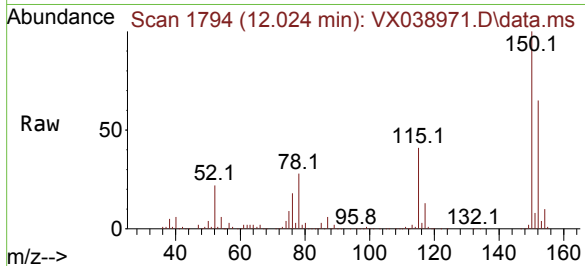




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 12.024 min Scan# 11
 Delta R.T. 0.006 min
 Lab File: VX038971.D
 Acq: 20 Nov 2023 20:03

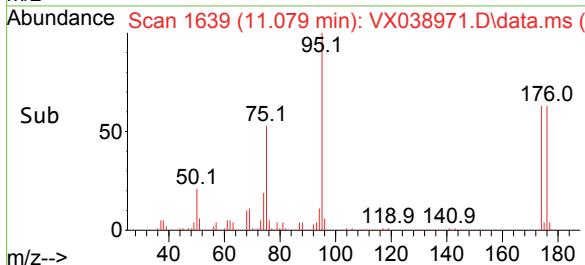
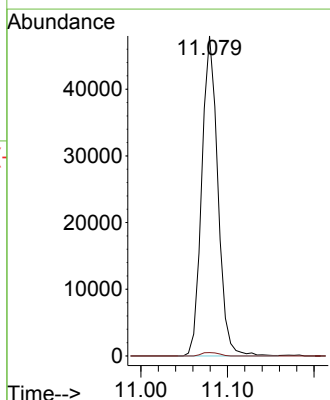
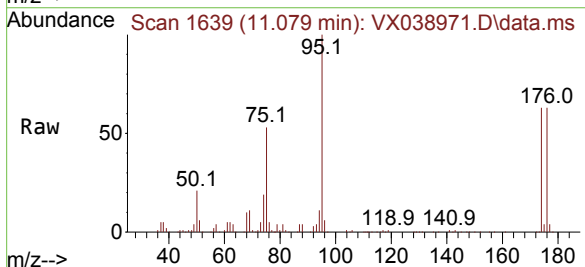
Instrument :
 MSVOA_X
 ClientSampleId :
 56BR-20231113DL

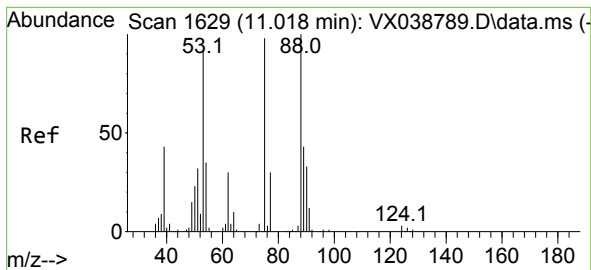
Tgt Ion:152 Resp: 107973
 Ion Ratio Lower Upper
 152 100
 115 65.7 43.3 129.9
 150 157.9 0.0 345.0



#76
 1,2,3-Trichloropropane
 Concen: 22.992 ug/l
 RT: 11.079 min Scan# 1639
 Delta R.T. -0.158 min
 Lab File: VX038971.D
 Acq: 20 Nov 2023 20:03

Tgt Ion: 75 Resp: 61939
 Ion Ratio Lower Upper
 75 100
 77 1.2 19.1 57.5#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 50.999 ug/l
 RT: 11.079 min Scan# 1
 Delta R.T. 0.061 min
 Lab File: VX038971.D
 Acq: 20 Nov 2023 20:03

Instrument :
 MSVOA_X
 ClientSampleId :
 56BR-20231113DL

Tgt Ion: 75 Resp: 61939
 Ion Ratio Lower Upper
 75 100
 53 0.0 90.5 135.7#
 89 0.0 36.9 55.3#

