

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX112023\
 Data File : VX038952.D
 Acq On : 20 Nov 2023 12:47
 Operator : JC/MD
 Sample : 05428-02 10X
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 RE120D1-20231113

Quant Time: Nov 21 00:18:29 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)

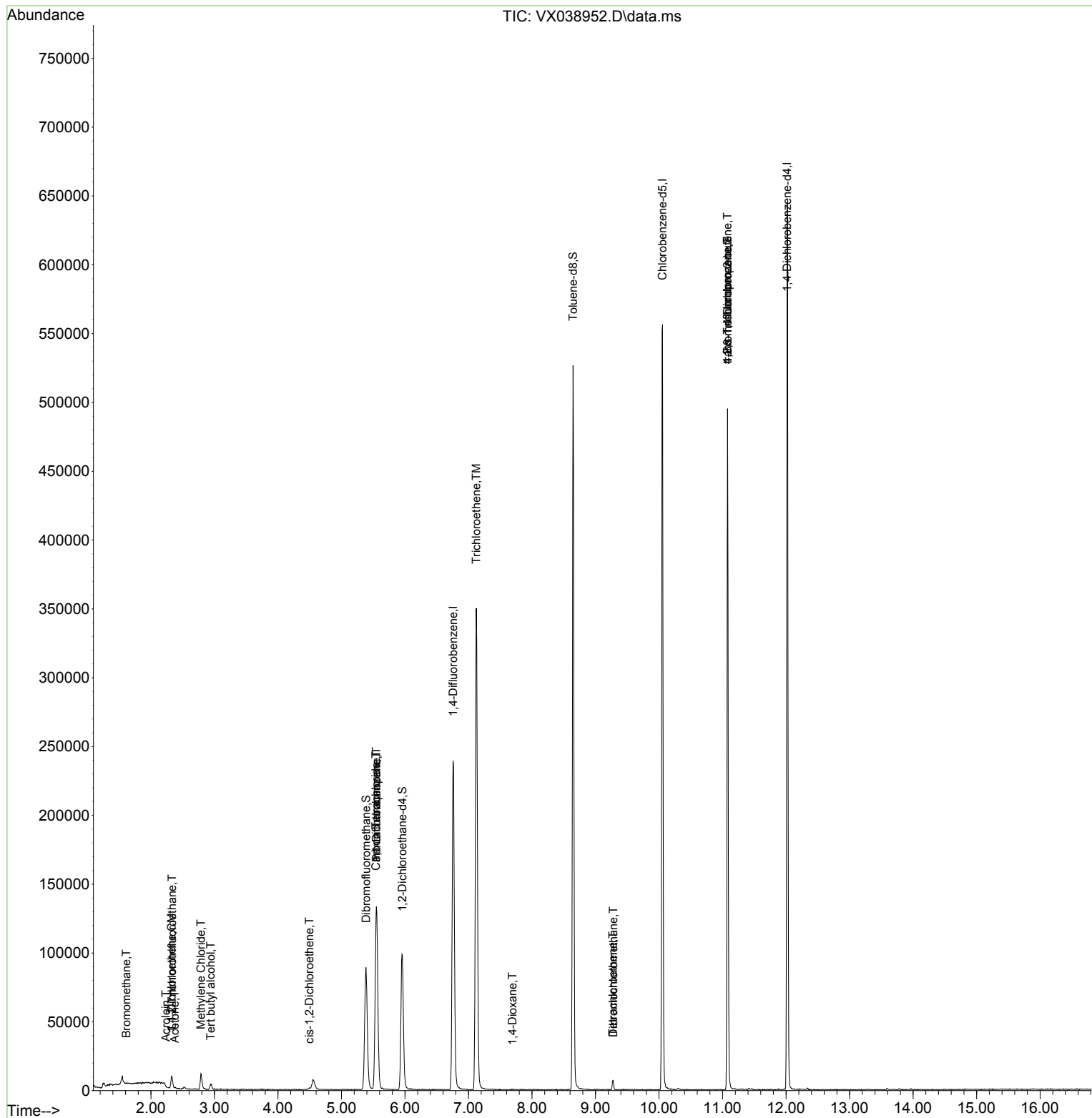
Internal Standards						
1) Pentafluorobenzene	5.550	168	120812	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	246203	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	252760	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	126247	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	95607	49.112	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery =	98.220%		
35) Dibromofluoromethane	5.385	113	78417	44.101	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	88.200%		
50) Toluene-d8	8.647	98	306884	45.109	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery =	90.220%#		
62) 4-Bromofluorobenzene	11.079	95	130872	48.055	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	96.100%		
Target Compounds						Qvalue
5) Bromomethane	1.611	94	184	0.251	ug/l	96
9) 1,1,2-Trichlorotrifluo...	2.331	101	2274	1.525	ug/l	94
11) Tert butyl alcohol	2.941	59	2446	4.518	ug/l #	90
12) 1,1-Dichloroethene	2.325	96	1433	0.952	ug/l	85
13) Acrolein	2.233	56	124	0.433	ug/l #	14
16) Acetone	2.374	43	723	0.698	ug/l	98
20) Methylene Chloride	2.788	84	5297	2.836	ug/l	93
27) cis-1,2-Dichloroethene	4.495	96	777	0.401	ug/l	67
36) 1,1-Dichloropropene	5.550	75	11256	4.417	ug/l #	49
38) Carbon Tetrachloride	5.544	117	13608	5.777	ug/l #	14
44) Trichloroethene	7.123	130	128659	70.124	ug/l	93
49) 1,4-Dioxane	7.690	88	46	0.924	ug/l #	63
60) Dibromochloromethane	9.281	129	1464	0.738	ug/l #	11
64) Tetrachloroethene	9.275	164	1256	0.799	ug/l #	65
76) 1,2,3-Trichloropropane	11.079	75	70089	22.252	ug/l #	38
81) trans-1,4-Dichloro-2-b...	11.079	75	70089	49.356	ug/l #	5

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

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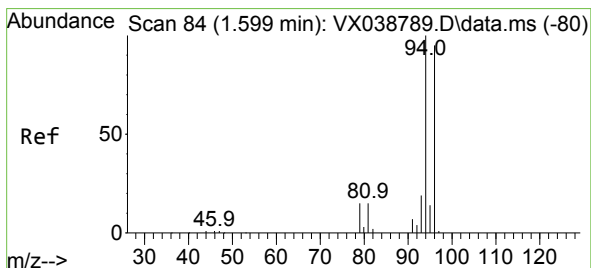
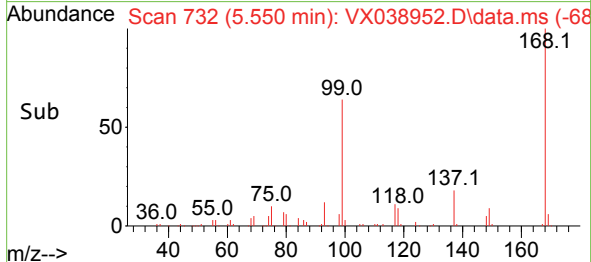
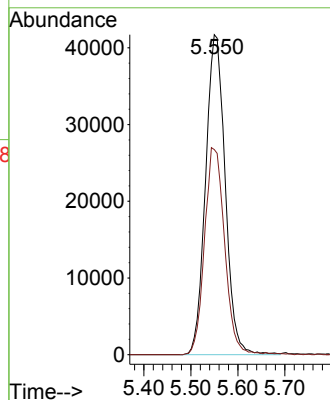
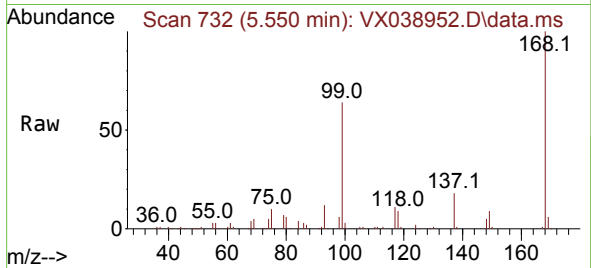




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.550 min Scan# 71
Delta R.T. -0.000 min
Lab File: VX038952.D
Acq: 20 Nov 2023 12:47

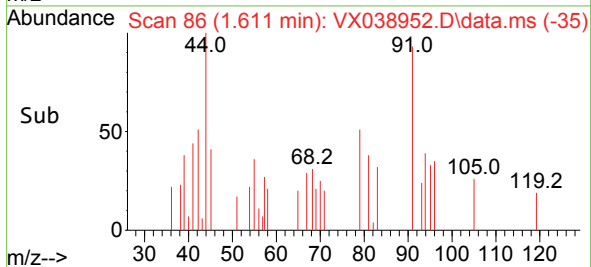
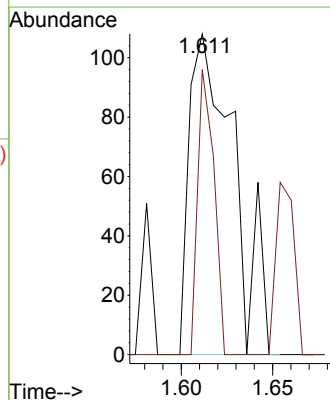
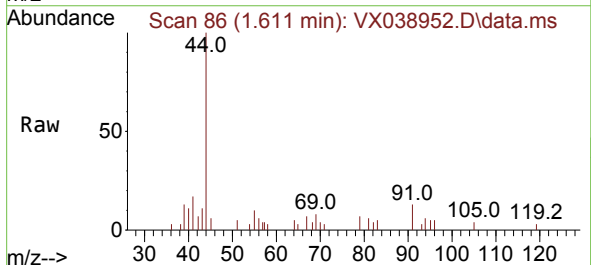
Instrument :
MSVOA_X
ClientSampleId :
RE120D1-20231113

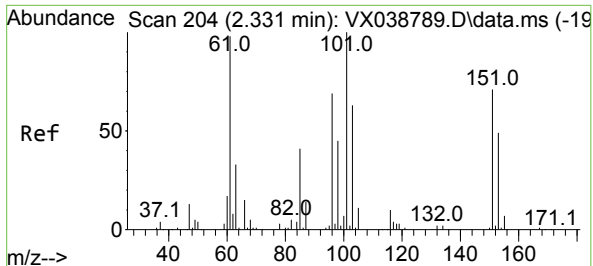
Tgt Ion:168 Resp: 120812
Ion Ratio Lower Upper
168 100
99 64.1 56.6 85.0



#5
Bromomethane
Concen: 0.251 ug/l
RT: 1.611 min Scan# 86
Delta R.T. 0.012 min
Lab File: VX038952.D
Acq: 20 Nov 2023 12:47

Tgt Ion: 94 Resp: 184
Ion Ratio Lower Upper
94 100
96 88.9 74.6 111.8

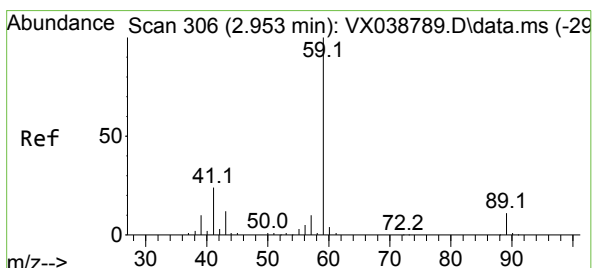
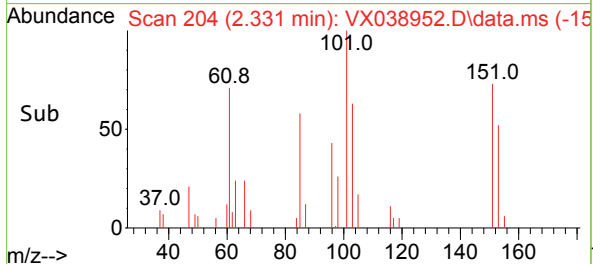
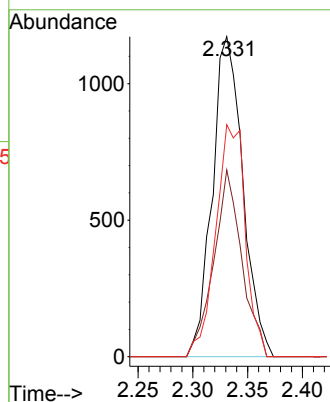
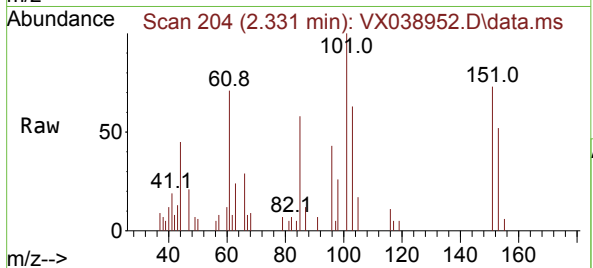




#9
1,1,2-Trichlorotrifluoroethane
Concen: 1.525 ug/l
RT: 2.331 min Scan# 204
Delta R.T. 0.000 min
Lab File: VX038952.D
Acq: 20 Nov 2023 12:47

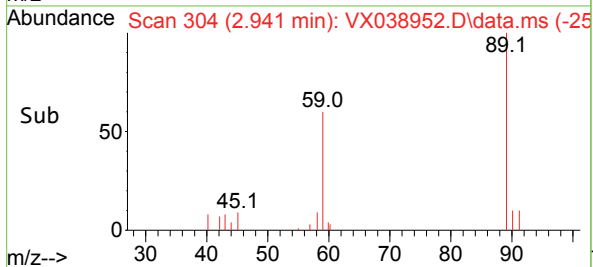
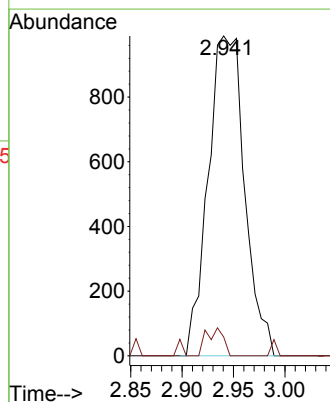
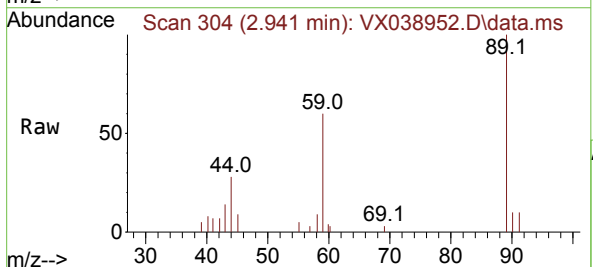
Instrument :
MSVOA_X
ClientSampleId :
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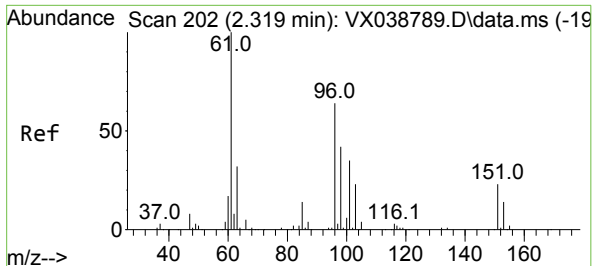
Tgt Ion:101 Resp: 2274
Ion Ratio Lower Upper
101 100
85 53.5 37.0 55.6
151 70.2 58.6 87.8



#11
Tert butyl alcohol
Concen: 4.518 ug/l
RT: 2.941 min Scan# 304
Delta R.T. -0.012 min
Lab File: VX038952.D
Acq: 20 Nov 2023 12:47

Tgt Ion: 59 Resp: 2446
Ion Ratio Lower Upper
59 100
57 4.1 6.0 9.0#





#12

1,1-Dichloroethene

Concen: 0.952 ug/l

RT: 2.325 min Scan# 20

Delta R.T. 0.006 min

Lab File: VX038952.D

Acq: 20 Nov 2023 12:47

Instrument :

MSVOA_X

ClientSampleId :

RE120D1-20231113

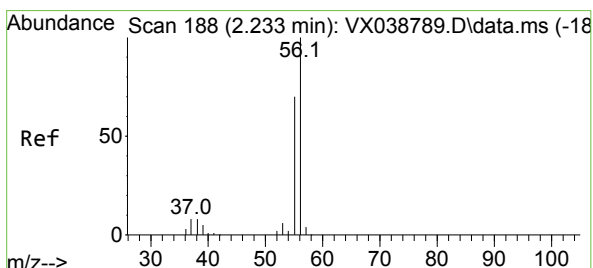
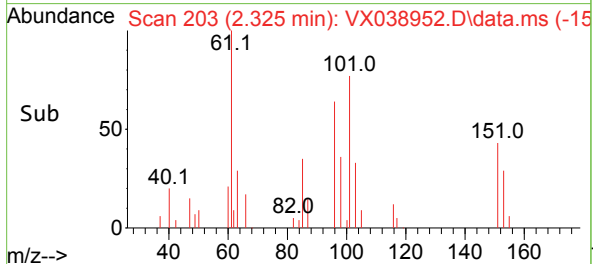
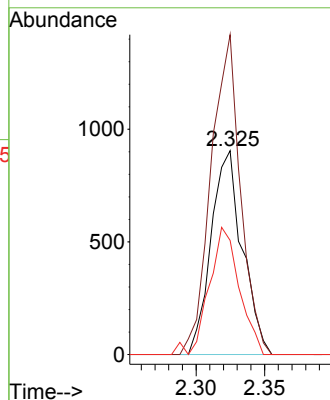
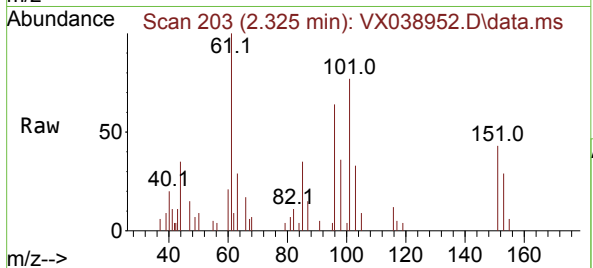
Tgt Ion: 96 Resp: 1433

Ion Ratio Lower Upper

96 100

61 156.9 144.6 216.8

98 56.0 50.4 75.6



#13

Acrolein

Concen: 0.433 ug/l

RT: 2.233 min Scan# 188

Delta R.T. 0.000 min

Lab File: VX038952.D

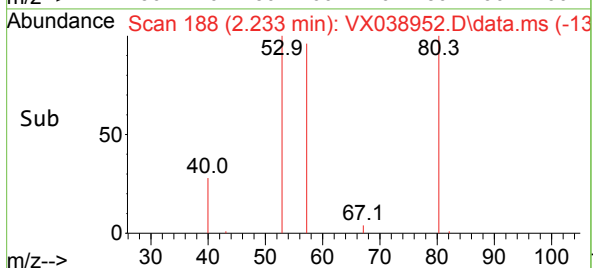
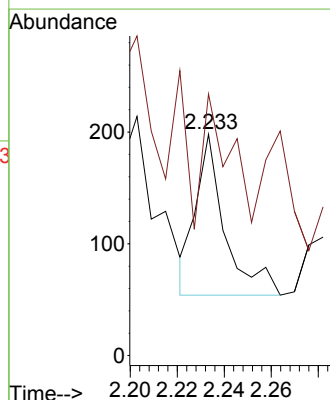
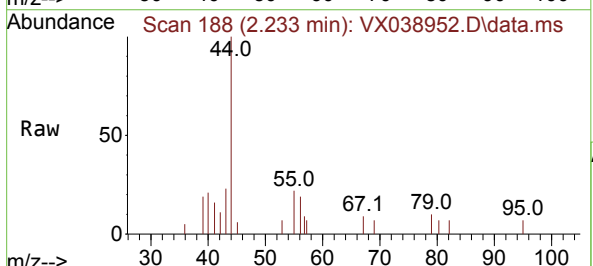
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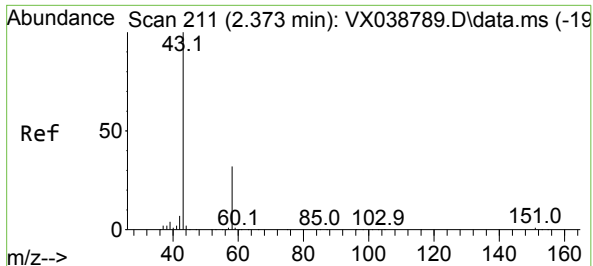
Tgt Ion: 56 Resp: 124

Ion Ratio Lower Upper

56 100

55 0.0 57.1 85.7#

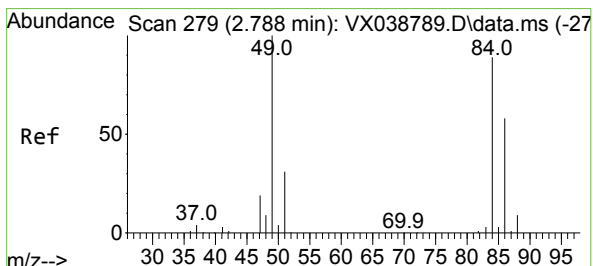
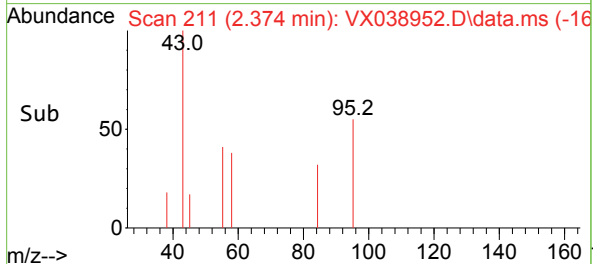
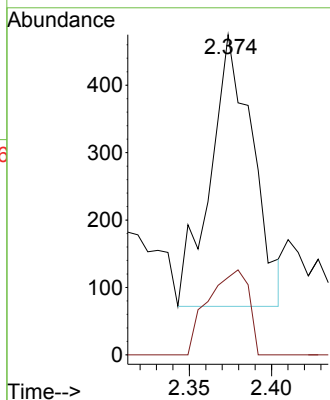
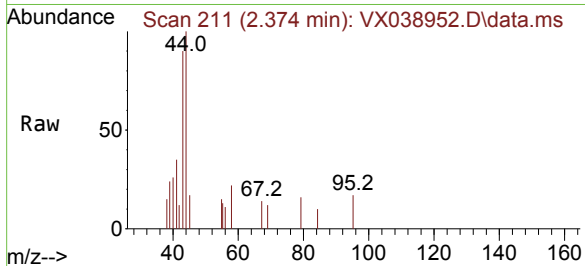




#16
Acetone
Concen: 0.698 ug/l
RT: 2.374 min Scan# 211
Delta R.T. 0.000 min
Lab File: VX038952.D
Acq: 20 Nov 2023 12:47

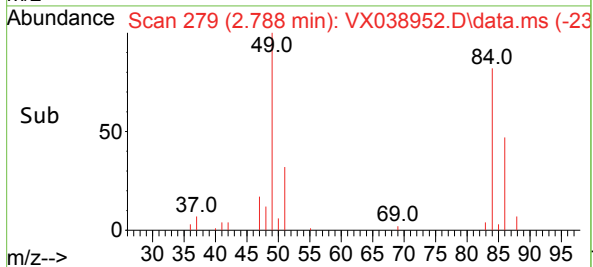
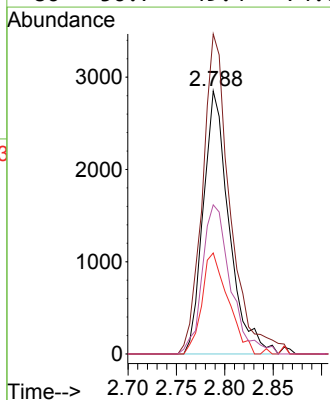
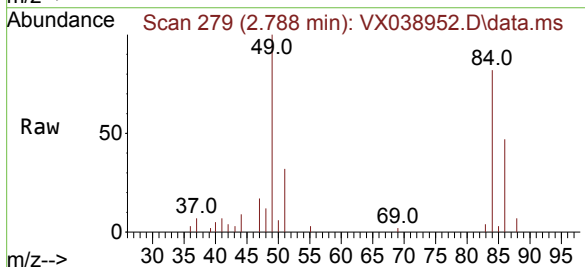
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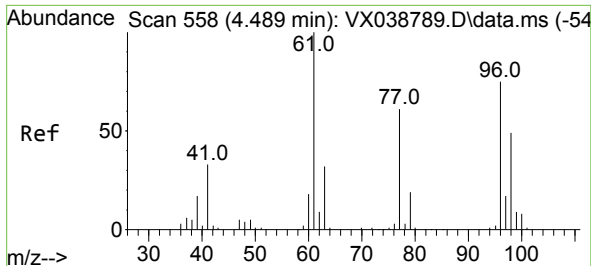
Tgt Ion: 43 Resp: 723
Ion Ratio Lower Upper
43 100
58 28.5 21.9 32.9



#20
Methylene Chloride
Concen: 2.836 ug/l
RT: 2.788 min Scan# 279
Delta R.T. 0.000 min
Lab File: VX038952.D
Acq: 20 Nov 2023 12:47

Tgt Ion: 84 Resp: 5297
Ion Ratio Lower Upper
84 100
49 121.7 103.6 155.4
51 38.4 33.8 50.6
86 56.7 49.4 74.0

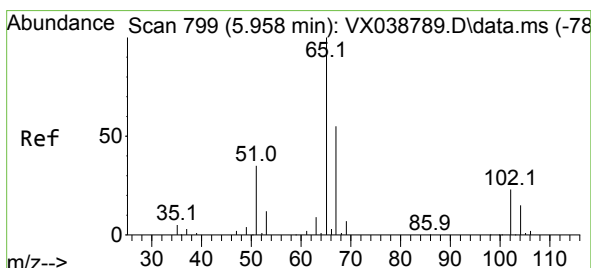
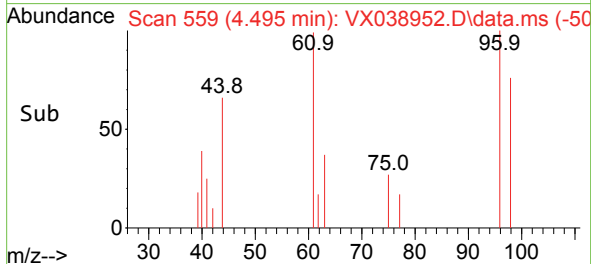
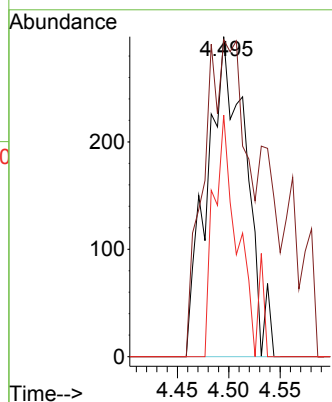
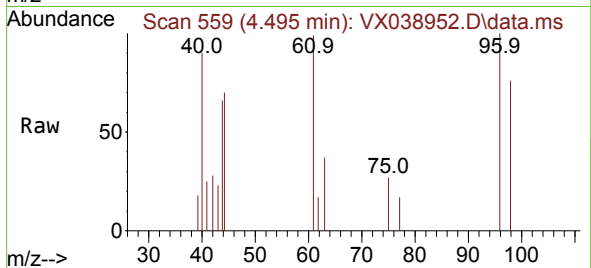




#27
 cis-1,2-Dichloroethene
 Concen: 0.401 ug/l
 RT: 4.495 min Scan# 511
 Delta R.T. 0.006 min
 Lab File: VX038952.D
 Acq: 20 Nov 2023 12:47

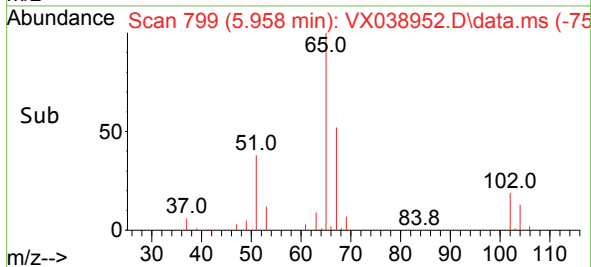
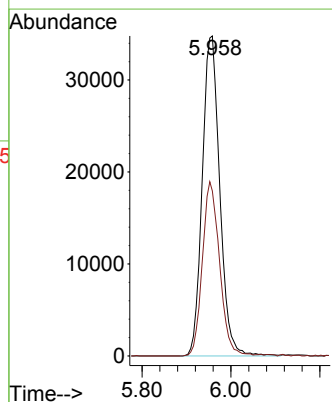
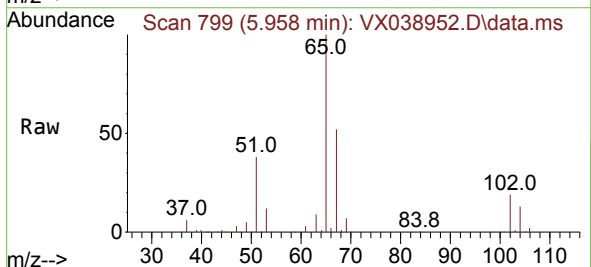
Instrument :
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 RE120D1-20231113

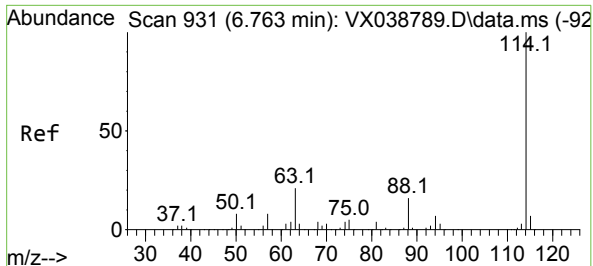
Tgt Ion: 96 Resp: 777
 Ion Ratio Lower Upper
 96 100
 61 109.8 0.0 312.2
 98 44.5 0.0 129.0



#33
 1,2-Dichloroethane-d4
 Concen: 49.112 ug/l
 RT: 5.958 min Scan# 799
 Delta R.T. 0.000 min
 Lab File: VX038952.D
 Acq: 20 Nov 2023 12:47

Tgt Ion: 65 Resp: 95607
 Ion Ratio Lower Upper
 65 100
 67 53.5 0.0 100.2

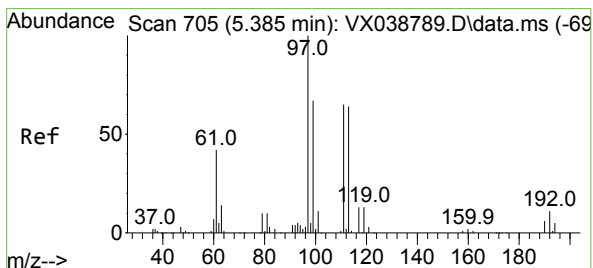
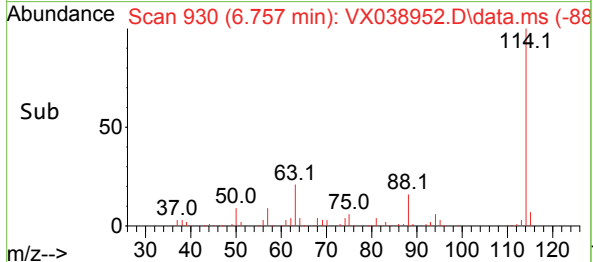
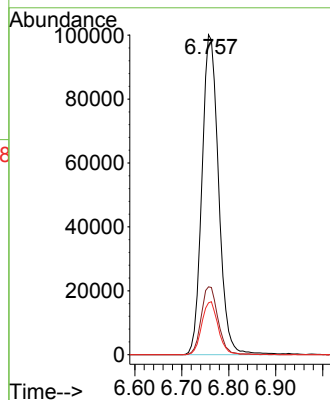
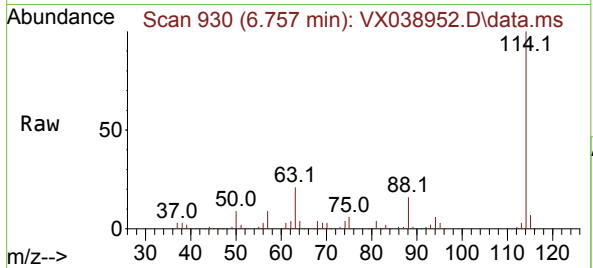




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.757 min Scan# 91
Delta R.T. -0.006 min
Lab File: VX038952.D
Acq: 20 Nov 2023 12:47

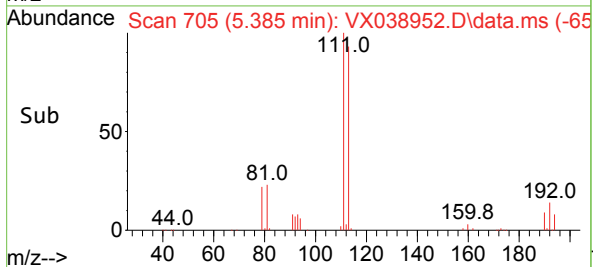
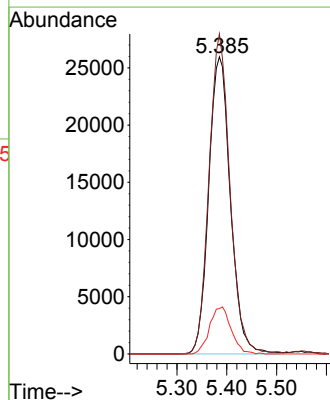
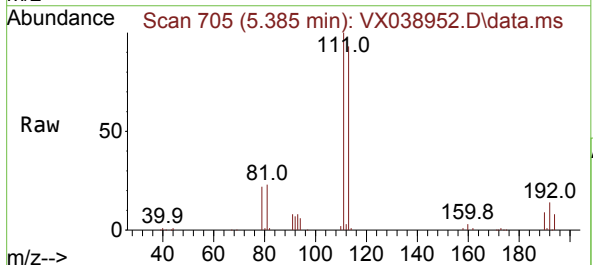
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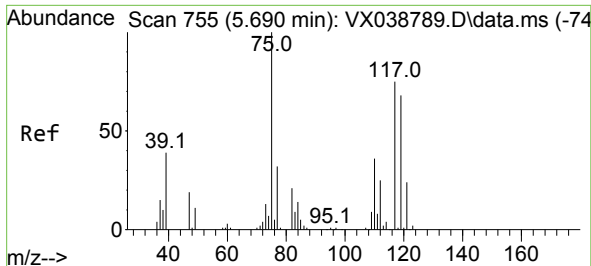
Tgt Ion:114 Resp: 246203
Ion Ratio Lower Upper
114 100
63 21.2 0.0 45.0
88 16.2 0.0 36.6



#35
Dibromofluoromethane
Concen: 44.101 ug/l
RT: 5.385 min Scan# 705
Delta R.T. 0.000 min
Lab File: VX038952.D
Acq: 20 Nov 2023 12:47

Tgt Ion:113 Resp: 78417
Ion Ratio Lower Upper
113 100
111 103.9 82.9 124.3
192 15.7 13.3 19.9

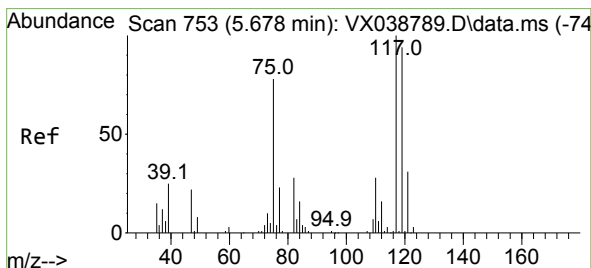
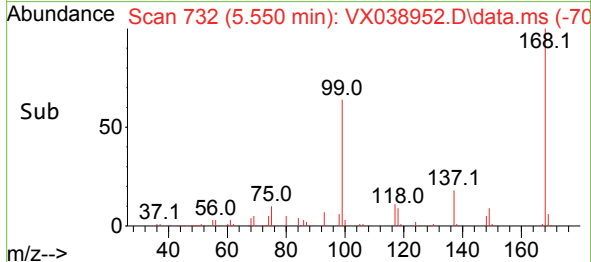
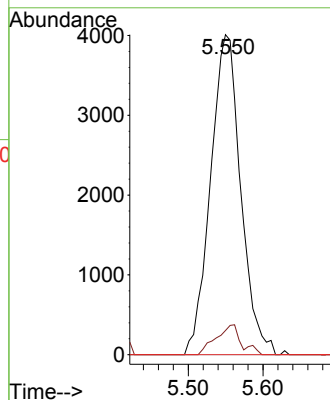
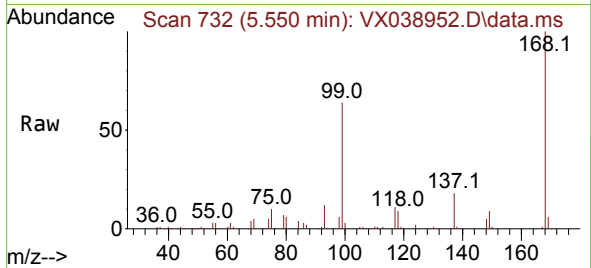




#36
1,1-Dichloropropene
Concen: 4.417 ug/l
RT: 5.550 min Scan# 711
Delta R.T. -0.140 min
Lab File: VX038952.D
Acq: 20 Nov 2023 12:47

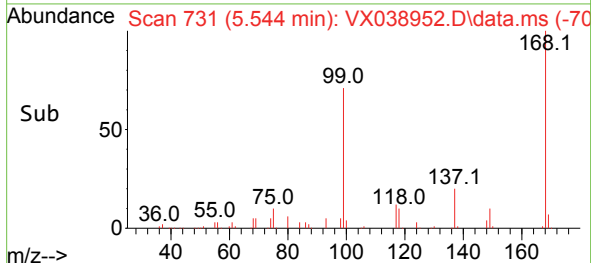
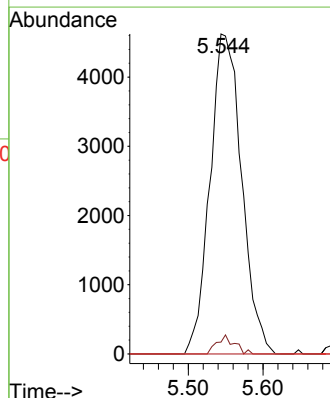
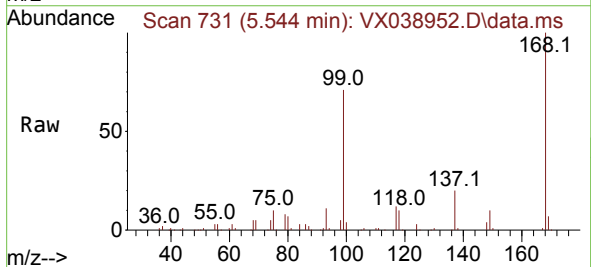
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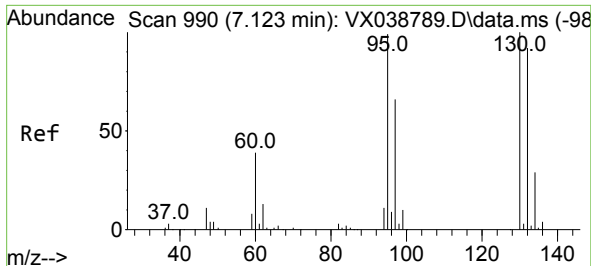
Tgt Ion: 75 Resp: 11256
Ion Ratio Lower Upper
75 100
110 7.8 17.0 50.9#
77 0.0 24.7 37.1#



#38
Carbon Tetrachloride
Concen: 5.777 ug/l
RT: 5.544 min Scan# 731
Delta R.T. -0.134 min
Lab File: VX038952.D
Acq: 20 Nov 2023 12:47

Tgt Ion: 117 Resp: 13608
Ion Ratio Lower Upper
117 100
119 3.7 78.2 117.2#
121 0.0 24.4 36.6#

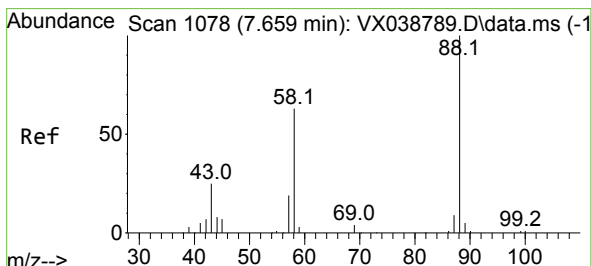
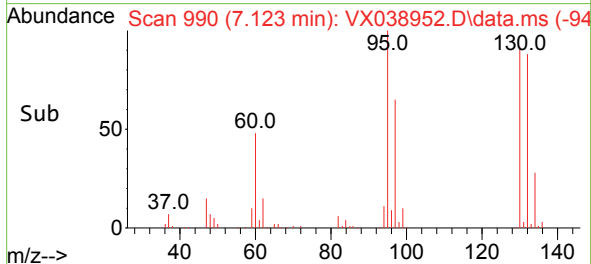
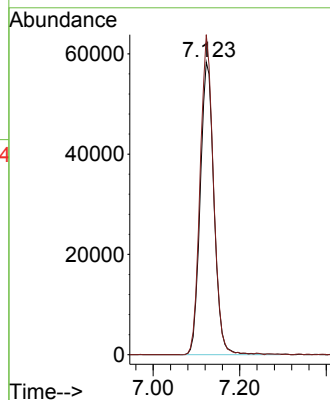
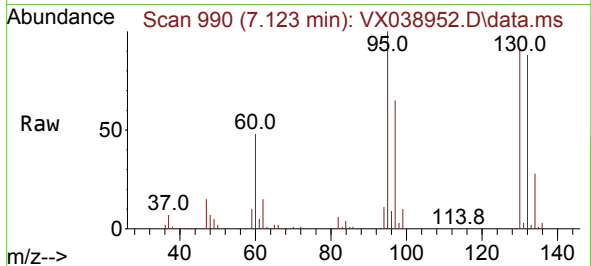




#44
Trichloroethene
Concen: 70.124 ug/l
RT: 7.123 min Scan# 990
Delta R.T. 0.000 min
Lab File: VX038952.D
Acq: 20 Nov 2023 12:47

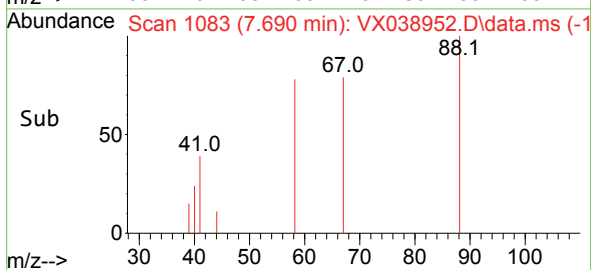
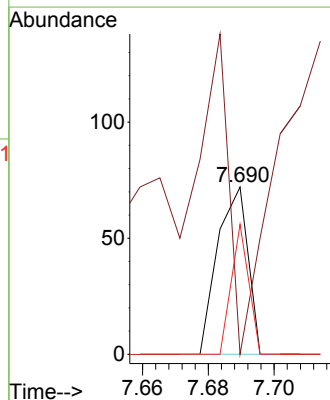
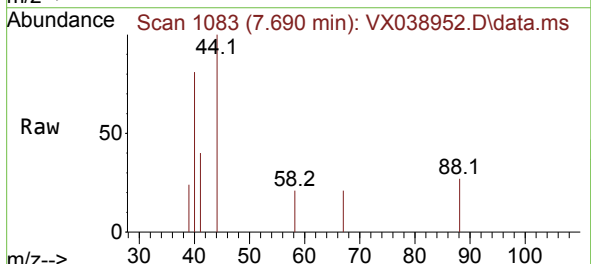
Instrument :
MSVOA_X
ClientSampleId :
RE120D1-20231113

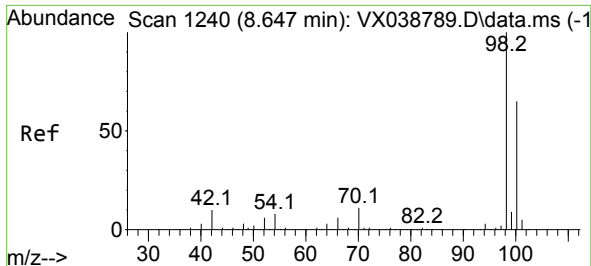
Tgt Ion:130 Resp: 128659
Ion Ratio Lower Upper
130 100
95 109.3 0.0 204.4



#49
1,4-Dioxane
Concen: 0.924 ug/l
RT: 7.690 min Scan# 1083
Delta R.T. 0.031 min
Lab File: VX038952.D
Acq: 20 Nov 2023 12:47

Tgt Ion: 88 Resp: 46
Ion Ratio Lower Upper
88 100
43 532.6 0.0 0.0#
58 43.5 60.1 90.1#

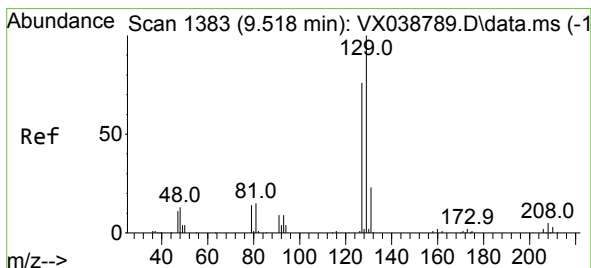
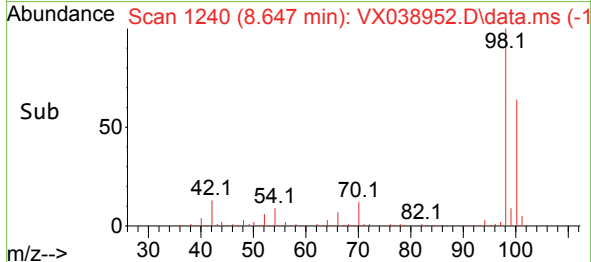
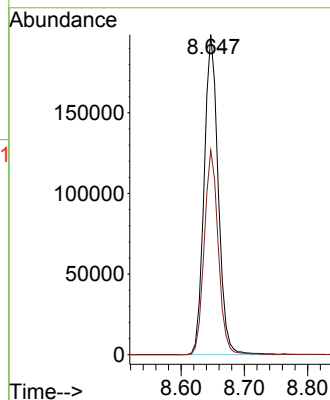
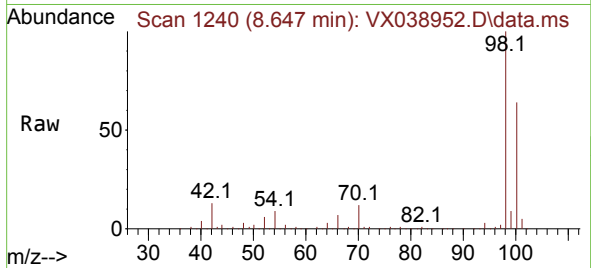




#50
Toluene-d8
Concen: 45.109 ug/l
RT: 8.647 min Scan# 11
Delta R.T. 0.000 min
Lab File: VX038952.D
Acq: 20 Nov 2023 12:47

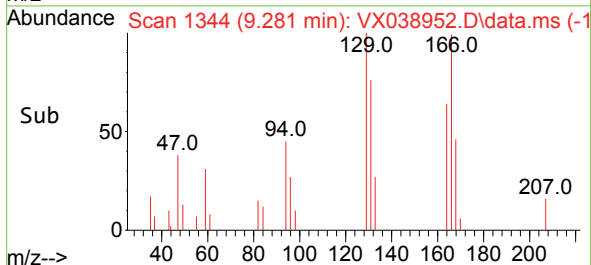
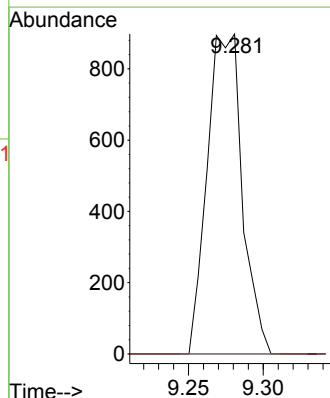
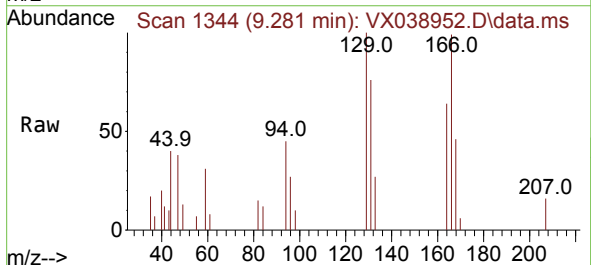
Instrument :
MSVOA_X
ClientSampleId :
RE120D1-20231113

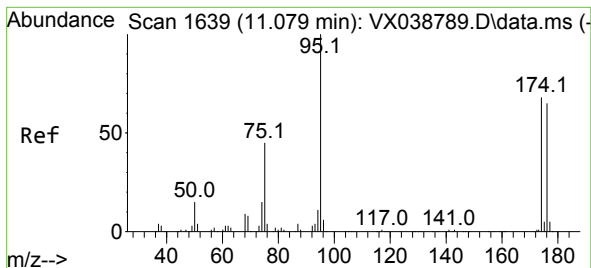
Tgt Ion: 98 Resp: 306884
Ion Ratio Lower Upper
98 100
100 63.6 53.1 79.7



#60
Dibromochloromethane
Concen: 0.738 ug/l
RT: 9.281 min Scan# 1344
Delta R.T. -0.238 min
Lab File: VX038952.D
Acq: 20 Nov 2023 12:47

Tgt Ion:129 Resp: 1464
Ion Ratio Lower Upper
129 100
127 0.0 38.8 116.4#

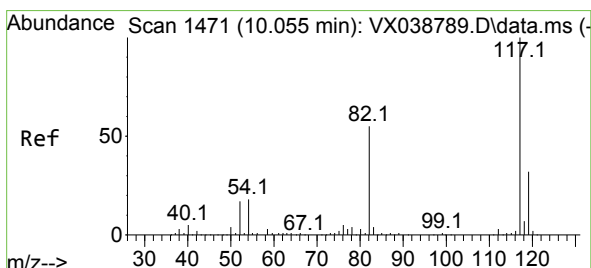
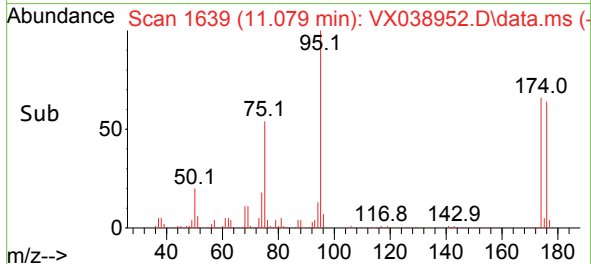
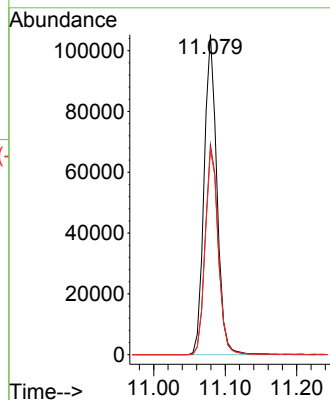
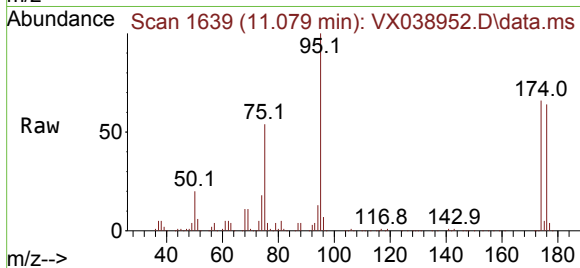




#62
4-Bromofluorobenzene
Concen: 48.055 ug/l
RT: 11.079 min Scan# 11
Delta R.T. 0.000 min
Lab File: VX038952.D
Acq: 20 Nov 2023 12:47

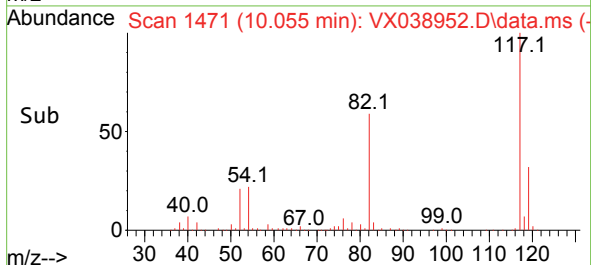
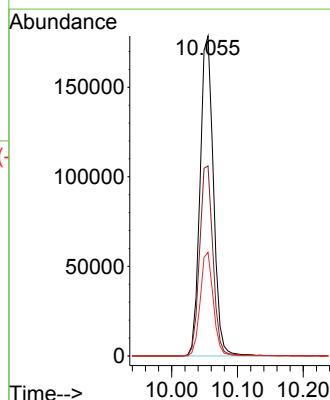
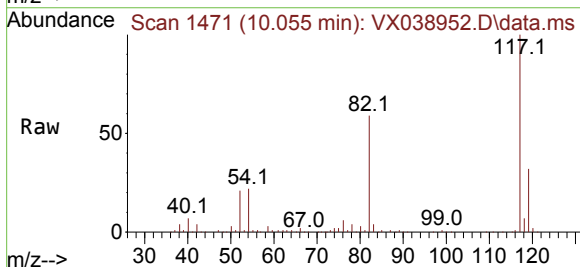
Instrument :
MSVOA_X
ClientSampleId :
RE120D1-20231113

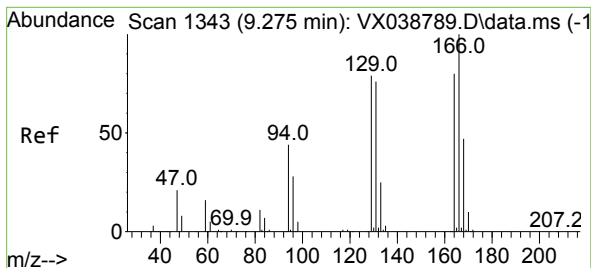
Tgt Ion: 95 Resp: 130872
Ion Ratio Lower Upper
95 100
174 66.7 0.0 135.6
176 65.7 0.0 131.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.000 min
Lab File: VX038952.D
Acq: 20 Nov 2023 12:47

Tgt Ion: 117 Resp: 252760
Ion Ratio Lower Upper
117 100
82 59.4 46.2 69.4
119 32.4 25.5 38.3





#64

Tetrachloroethene

Concen: 0.799 ug/l

RT: 9.275 min Scan# 1

Delta R.T. 0.000 min

Lab File: VX038952.D

Acq: 20 Nov 2023 12:47

Instrument :

MSVOA_X

ClientSampleId :

RE120D1-20231113

Tgt Ion:164 Resp: 1256

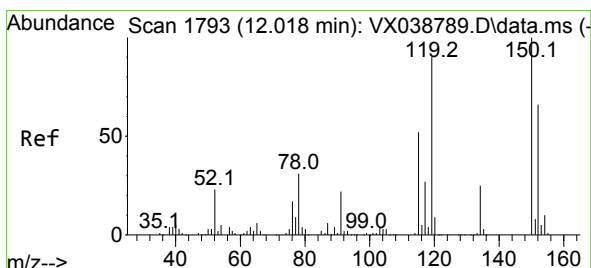
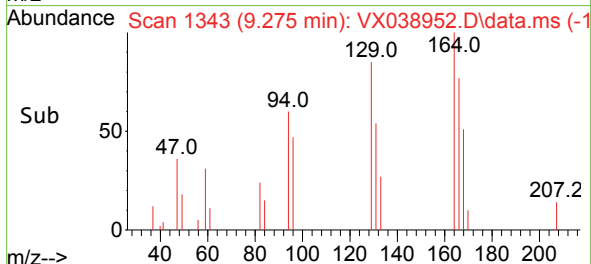
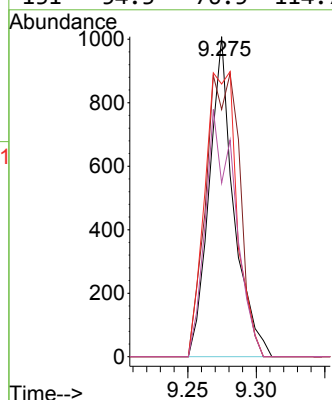
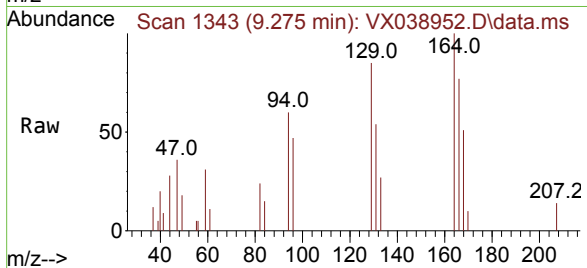
Ion Ratio Lower Upper

164 100

166 77.3 102.7 154.1#

129 85.2 80.4 120.6

131 54.3 76.5 114.7#



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.018 min Scan# 1793

Delta R.T. 0.000 min

Lab File: VX038952.D

Acq: 20 Nov 2023 12:47

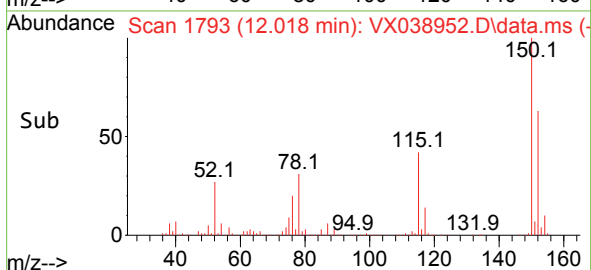
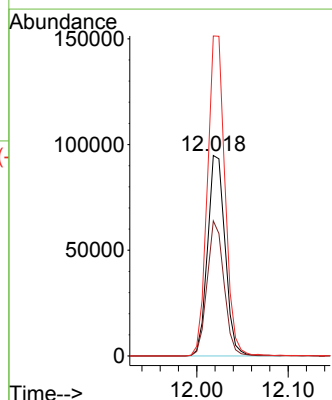
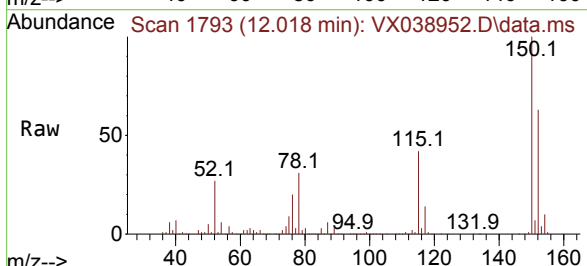
Tgt Ion:152 Resp: 126247

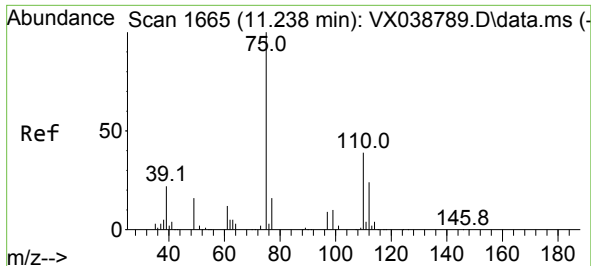
Ion Ratio Lower Upper

152 100

115 64.6 43.3 129.9

150 160.2 0.0 345.0

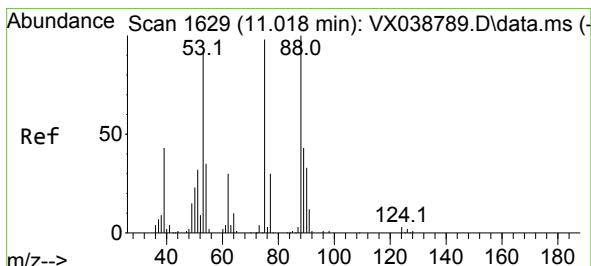
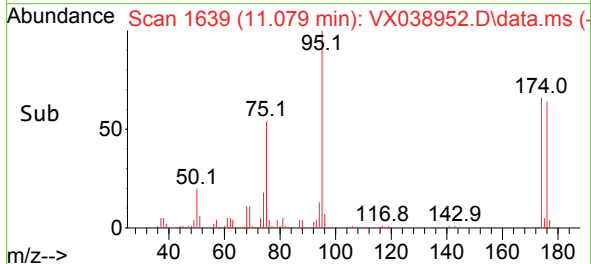
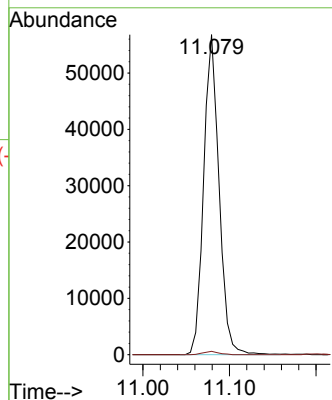
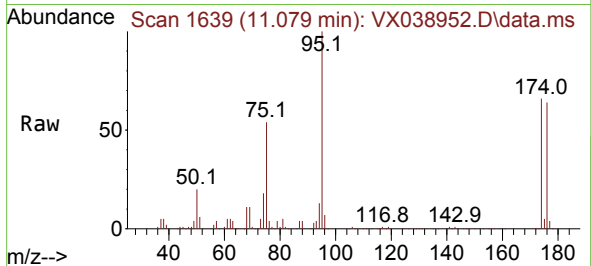




#76
1,2,3-Trichloropropane
Concen: 22.252 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.158 min
Lab File: VX038952.D
Acq: 20 Nov 2023 12:47

Instrument :
MSVOA_X
ClientSampleId :
RE120D1-20231113

Tgt Ion: 75 Resp: 70089
Ion Ratio Lower Upper
75 100
77 1.0 19.1 57.5#



#81
trans-1,4-Dichloro-2-butene
Concen: 49.356 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.061 min
Lab File: VX038952.D
Acq: 20 Nov 2023 12:47

Tgt Ion: 75 Resp: 70089
Ion Ratio Lower Upper
75 100
53 0.0 90.5 135.7#
89 0.0 36.9 55.3#

