

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX111623\
 Data File : VX038853.D
 Acq On : 16 Nov 2023 21:18
 Operator : JC/MD
 Sample : 05357-05
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 27 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 RE114D2-20231108

Quant Time: Nov 16 23:08:49 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

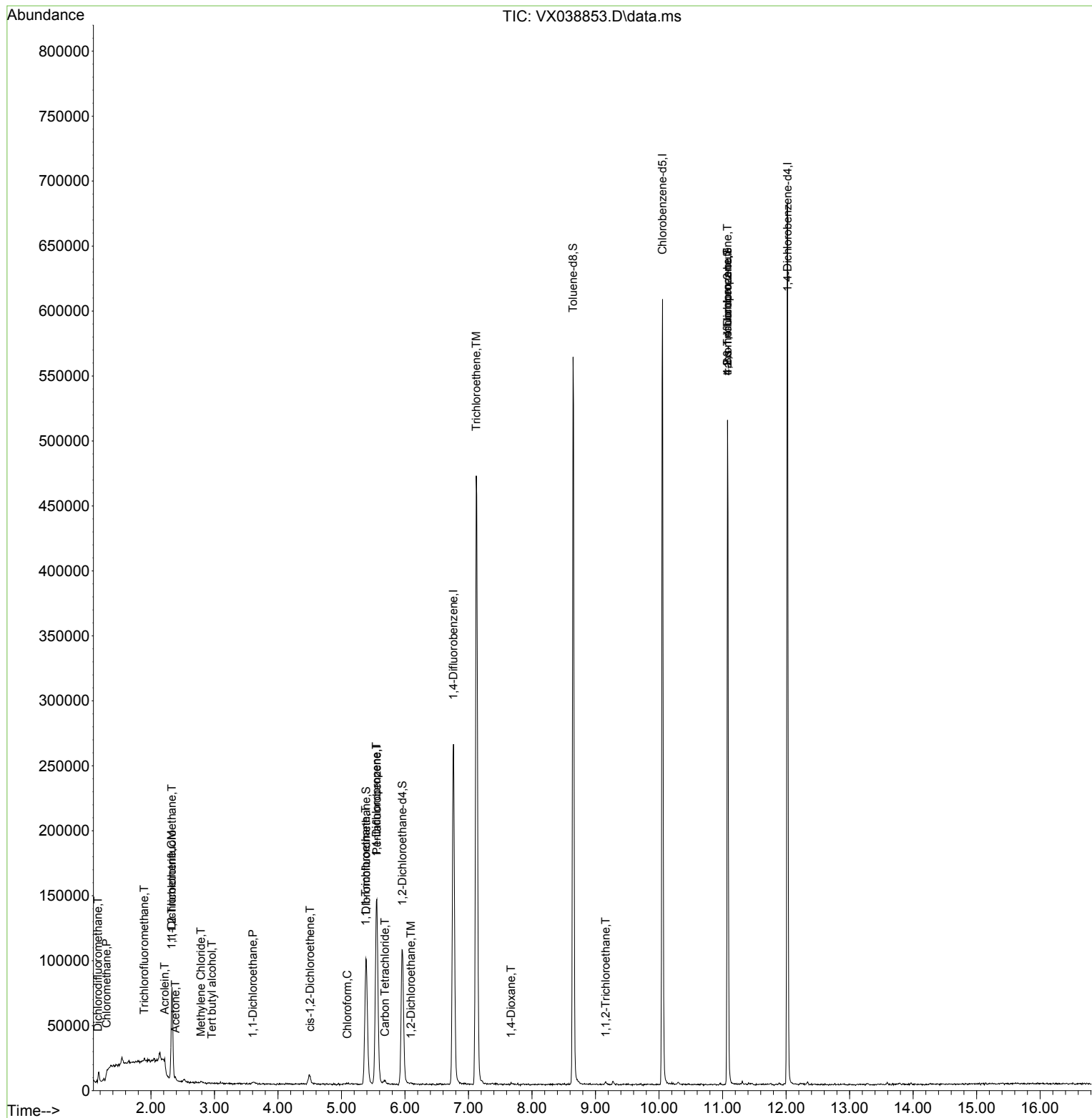
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.556	168	131137	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	268813	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	271537	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	139264	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	99133	46.914	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	=	93.820%
35) Dibromofluoromethane	5.385	113	85621	44.102	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	88.200%
50) Toluene-d8	8.647	98	340521	45.843	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	=	91.680%#
62) 4-Bromofluorobenzene	11.079	95	145872	49.058	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	98.120%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.166	85	1624	1.061	ug/l	98
3) Chloromethane	1.300	50	408	0.204	ug/l #	81
7) Trichlorofluoromethane	1.892	101	835	0.342	ug/l	89
9) 1,1,2-Trichlorotrifluo...	2.331	101	25381	15.678	ug/l	99
11) Tert butyl alcohol	2.959	59	159	0.271	ug/l #	1
12) 1,1-Dichloroethene	2.325	96	2600	1.591	ug/l	86
13) Acrolein	2.215	56	290	0.933	ug/l #	14
16) Acetone	2.386	43	1345	1.196	ug/l	96
20) Methylene Chloride	2.788	84	865	0.427	ug/l #	86
24) 1,1-Dichloroethane	3.605	63	2101	0.626	ug/l #	83
27) cis-1,2-Dichloroethene	4.507	96	4817	2.291	ug/l	79
30) Chloroform	5.092	83	1683	0.513	ug/l	93
32) 1,1,1-Trichloroethane	5.379	97	1322	0.466	ug/l #	45
36) 1,1-Dichloropropene	5.550	75	11601	4.169	ug/l #	53
38) Carbon Tetrachloride	5.684	117	1730	0.673	ug/l #	80
42) 1,2-Dichloroethane	6.092	62	795	0.292	ug/l #	52
44) Trichloroethene	7.123	130	177303	88.509	ug/l	96
49) 1,4-Dioxane	7.671	88	801	14.729	ug/l #	83
55) 1,1,2-Trichloroethane	9.159	97	707	0.332	ug/l #	69
76) 1,2,3-Trichloropropane	11.079	75	72928	20.989	ug/l #	39
81) trans-1,4-Dichloro-2-b...	11.079	75	72928	46.555	ug/l #	5

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

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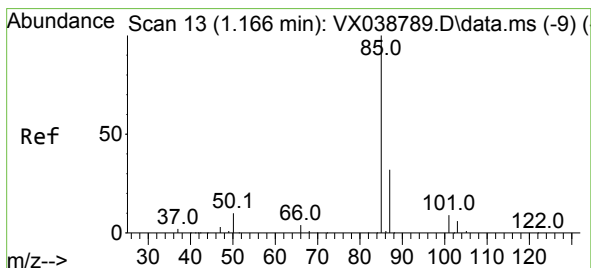
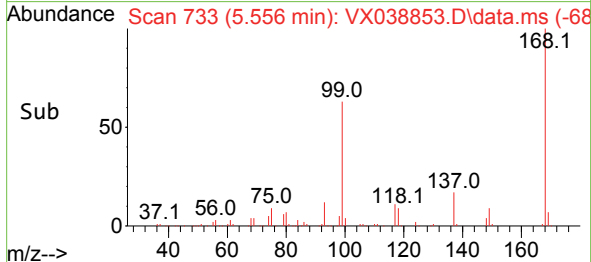
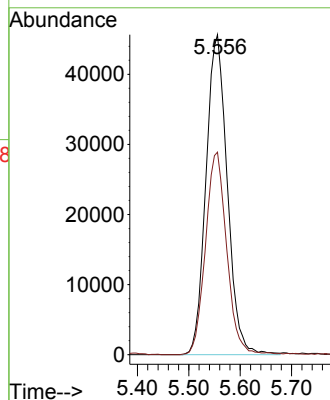
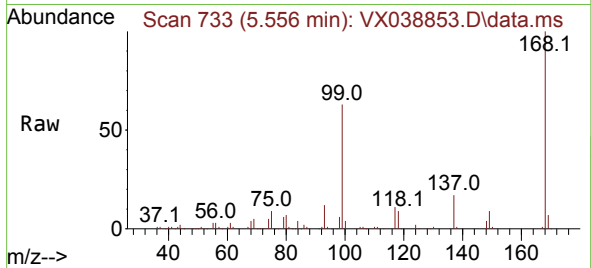




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.556 min Scan# 71
Delta R.T. 0.006 min
Lab File: VX038853.D
Acq: 16 Nov 2023 21:18

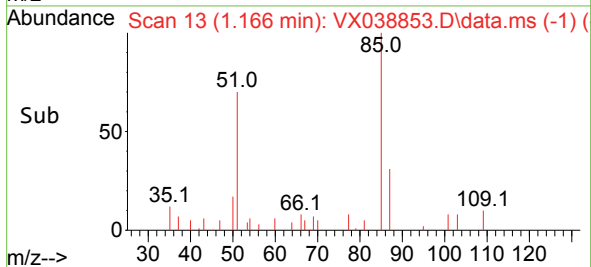
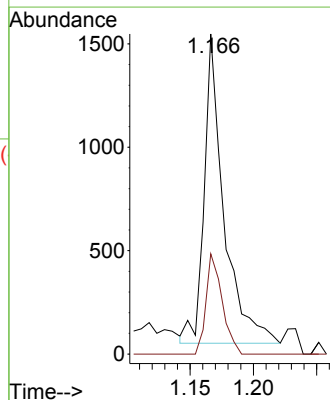
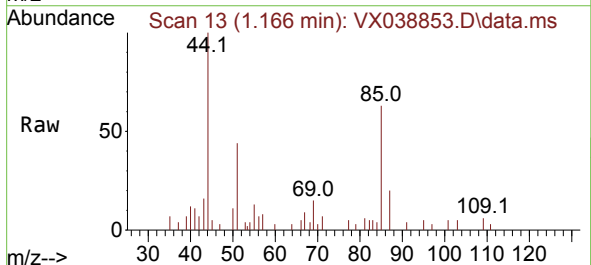
Instrument :
MSVOA_X
ClientSampleId :
RE114D2-20231108

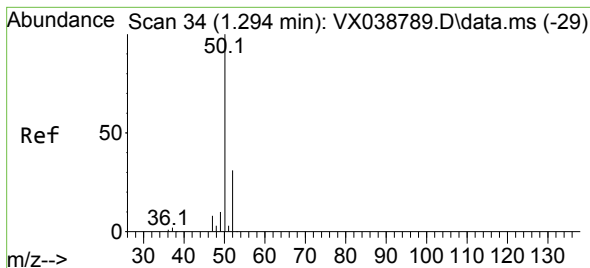
Tgt Ion:168 Resp: 131137
Ion Ratio Lower Upper
168 100
99 63.3 56.6 85.0



#2
Dichlorodifluoromethane
Concen: 1.061 ug/l
RT: 1.166 min Scan# 13
Delta R.T. 0.000 min
Lab File: VX038853.D
Acq: 16 Nov 2023 21:18

Tgt Ion: 85 Resp: 1624
Ion Ratio Lower Upper
85 100
87 32.4 16.7 50.1





#3

Chloromethane

Concen: 0.204 ug/l

RT: 1.300 min Scan# 31

Delta R.T. 0.006 min

Lab File: VX038853.D

Acq: 16 Nov 2023 21:18

Instrument :

MSVOA_X

ClientSampleId :

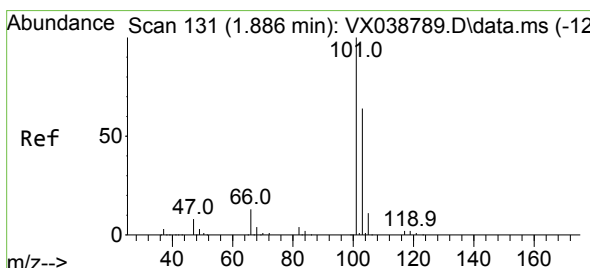
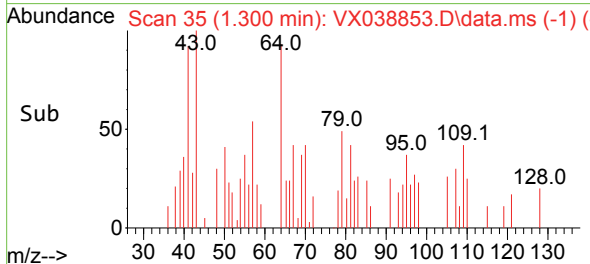
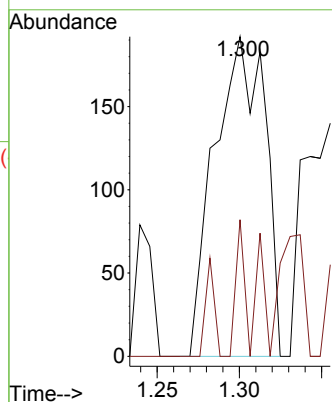
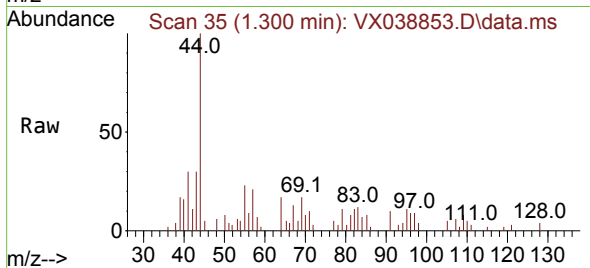
RE114D2-20231108

Tgt Ion: 50 Resp: 408

Ion Ratio Lower Upper

50 100

52 42.7 25.5 38.3#



#7

Trichlorofluoromethane

Concen: 0.342 ug/l

RT: 1.892 min Scan# 132

Delta R.T. 0.006 min

Lab File: VX038853.D

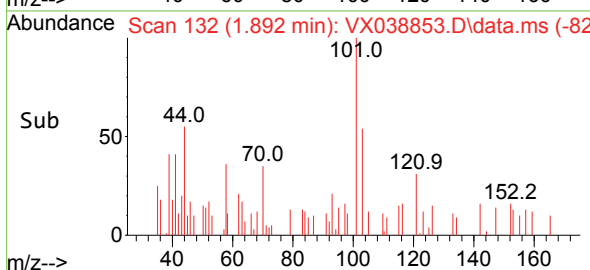
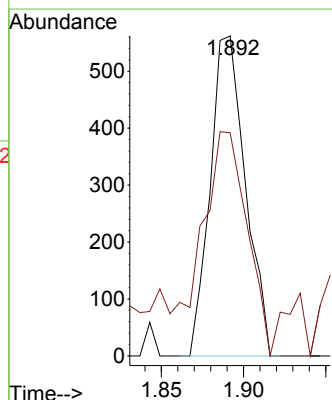
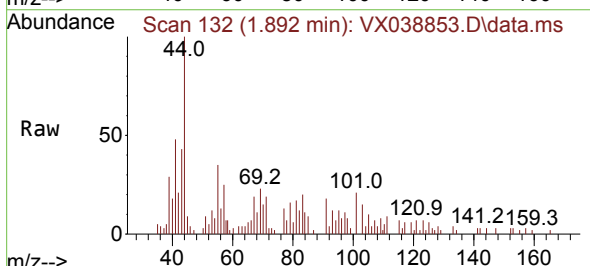
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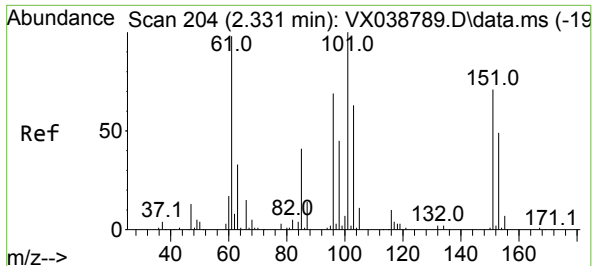
Tgt Ion: 101 Resp: 835

Ion Ratio Lower Upper

101 100

103 56.0 51.4 77.2

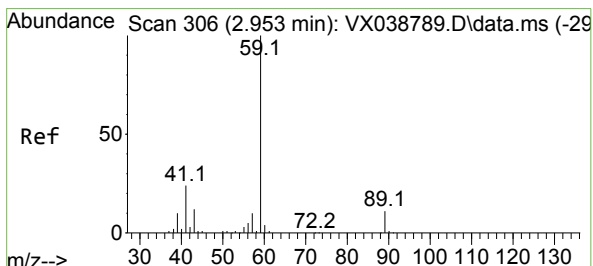
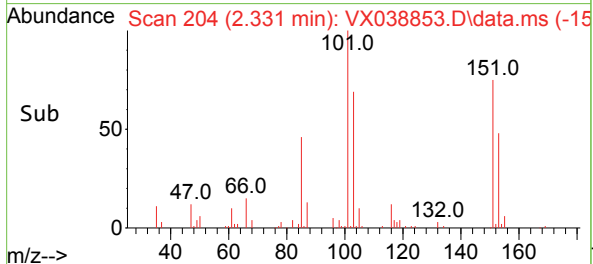
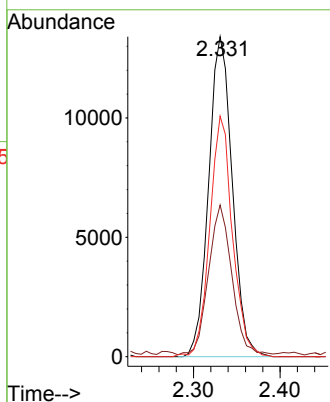
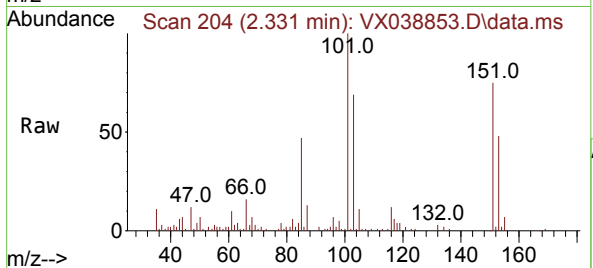




#9
1,1,2-Trichlorotrifluoroethane
Concen: 15.678 ug/l
RT: 2.331 min Scan# 204
Delta R.T. -0.000 min
Lab File: VX038853.D
Acq: 16 Nov 2023 21:18

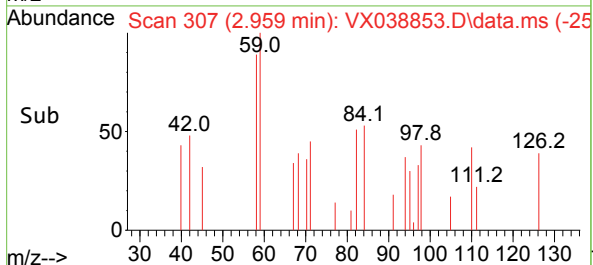
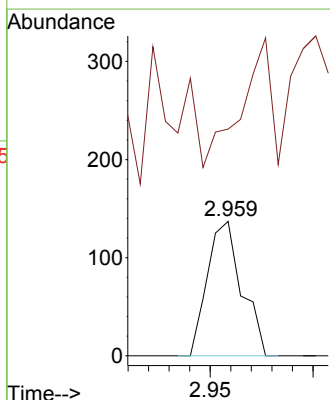
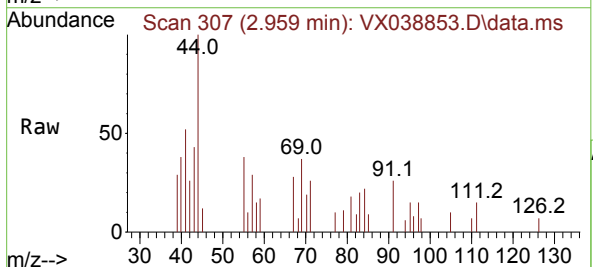
Instrument :
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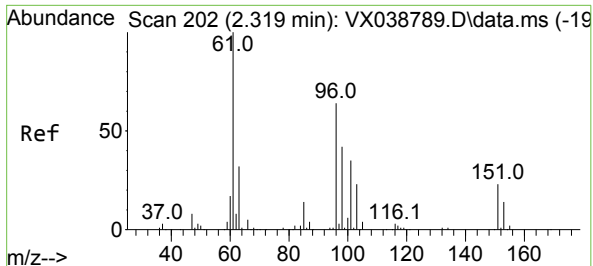
Tgt Ion:101 Resp: 25381
Ion Ratio Lower Upper
101 100
85 45.9 37.0 55.6
151 72.3 58.6 87.8



#11
Tert butyl alcohol
Concen: 0.271 ug/l
RT: 2.959 min Scan# 307
Delta R.T. 0.006 min
Lab File: VX038853.D
Acq: 16 Nov 2023 21:18

Tgt Ion: 59 Resp: 159
Ion Ratio Lower Upper
59 100
57 69.8 6.0 9.0#





#12

1,1-Dichloroethene

Concen: 1.591 ug/l

RT: 2.325 min Scan# 20

Delta R.T. 0.006 min

Lab File: VX038853.D

Acq: 16 Nov 2023 21:18

Instrument :

MSVOA_X

ClientSampleId :

RE114D2-20231108

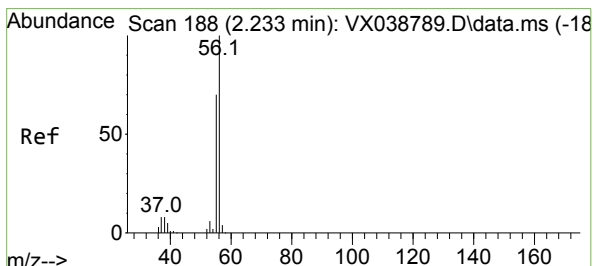
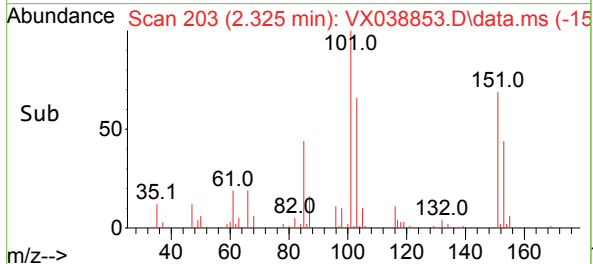
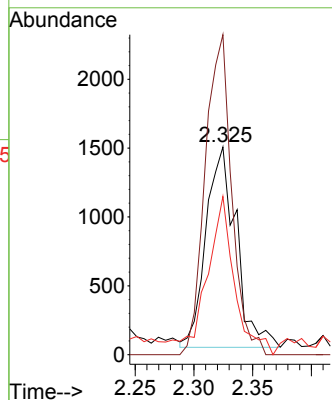
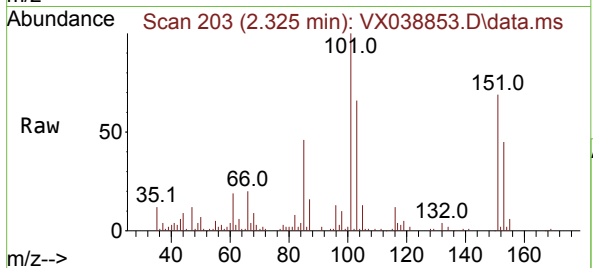
Tgt Ion: 96 Resp: 2600

Ion Ratio Lower Upper

96 100

61 159.7 144.6 216.8

98 73.3 50.4 75.6



#13

Acrolein

Concen: 0.933 ug/l

RT: 2.215 min Scan# 185

Delta R.T. -0.018 min

Lab File: VX038853.D

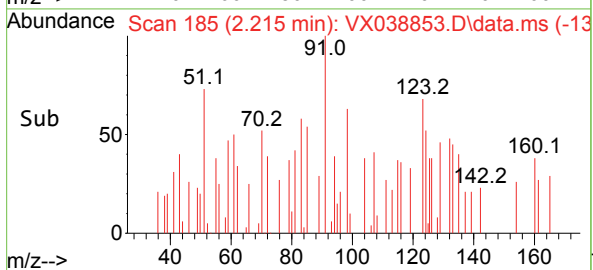
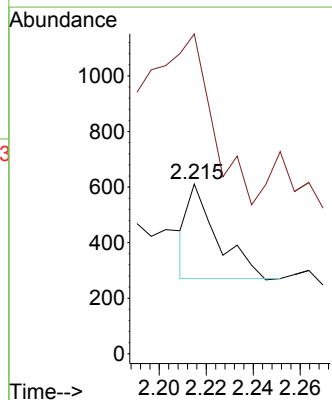
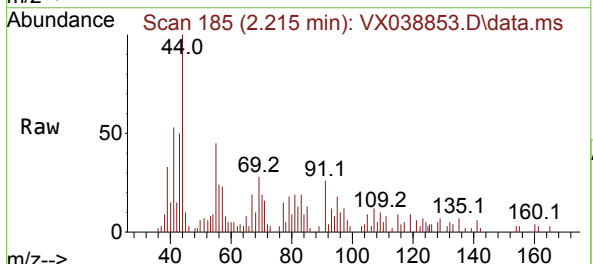
Acq: 16 Nov 2023 21:18

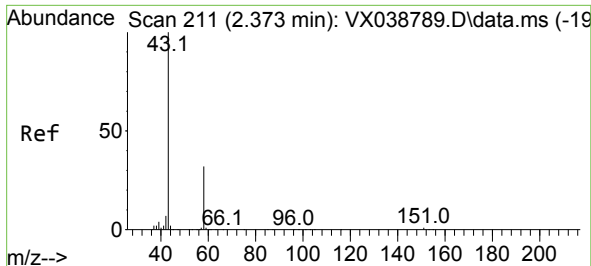
Tgt Ion: 56 Resp: 290

Ion Ratio Lower Upper

56 100

55 0.0 57.1 85.7#

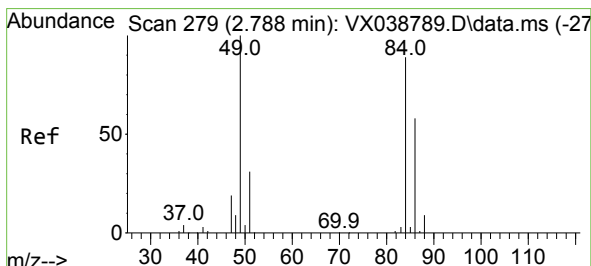
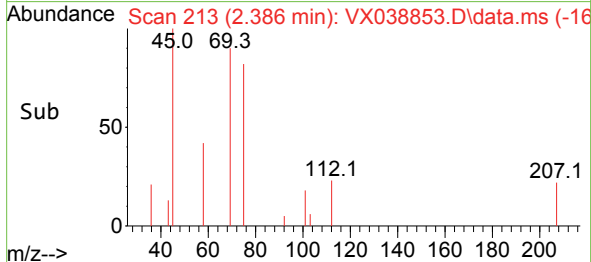
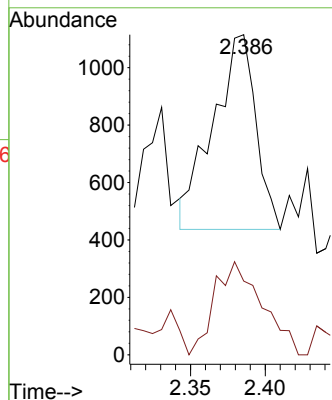
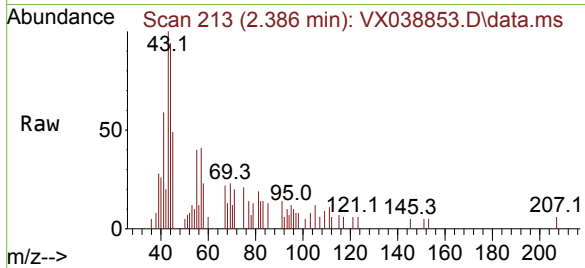




#16
Acetone
Concen: 1.196 ug/l
RT: 2.386 min Scan# 211
Delta R.T. 0.012 min
Lab File: VX038853.D
Acq: 16 Nov 2023 21:18

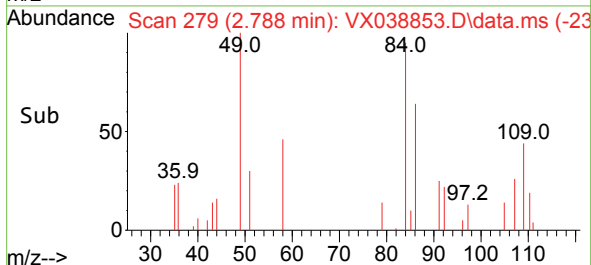
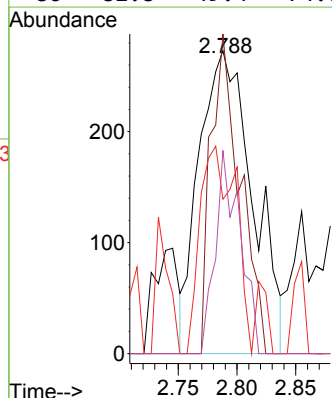
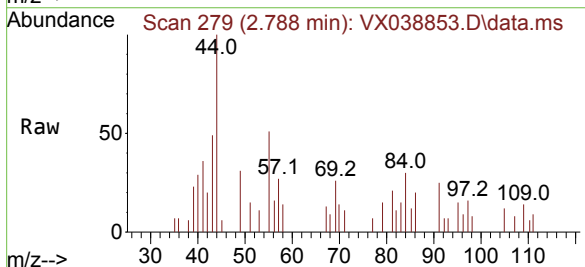
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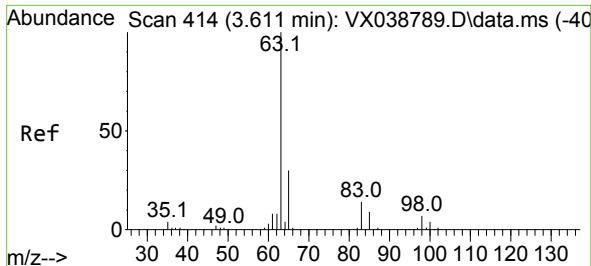
Tgt Ion: 43 Resp: 1345
Ion Ratio Lower Upper
43 100
58 25.5 21.9 32.9



#20
Methylene Chloride
Concen: 0.427 ug/l
RT: 2.788 min Scan# 279
Delta R.T. -0.000 min
Lab File: VX038853.D
Acq: 16 Nov 2023 21:18

Tgt Ion: 84 Resp: 865
Ion Ratio Lower Upper
84 100
49 130.3 103.6 155.4
51 62.9 33.8 50.6#
86 82.8 49.4 74.0#

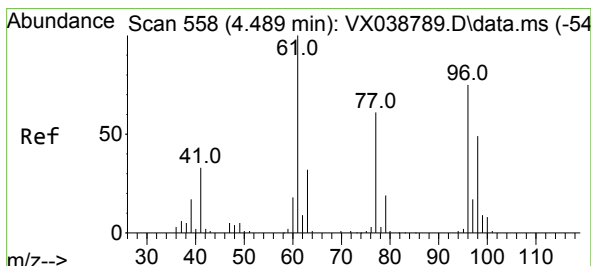
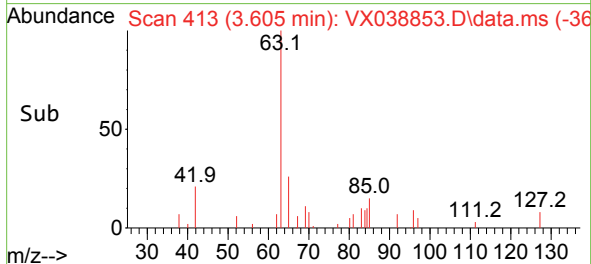
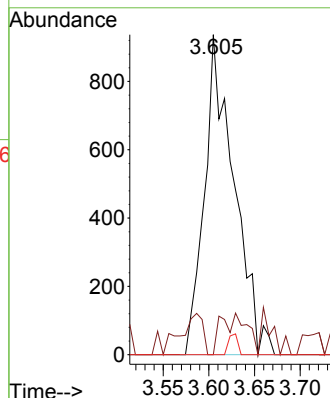
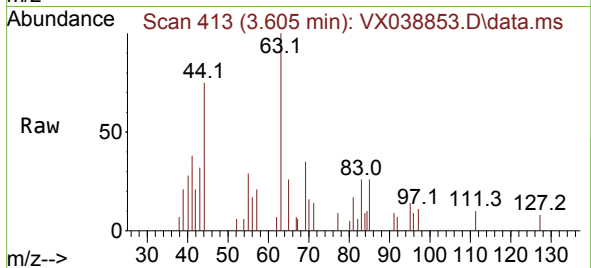




#24
 1,1-Dichloroethane
 Concen: 0.626 ug/l
 RT: 3.605 min Scan# 41
 Delta R.T. -0.006 min
 Lab File: VX038853.D
 Acq: 16 Nov 2023 21:18

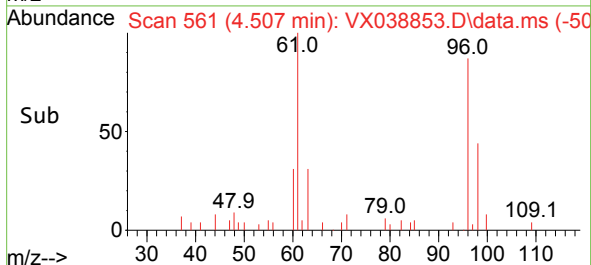
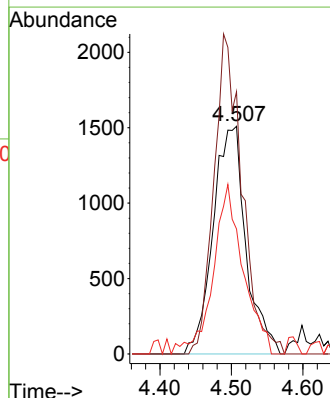
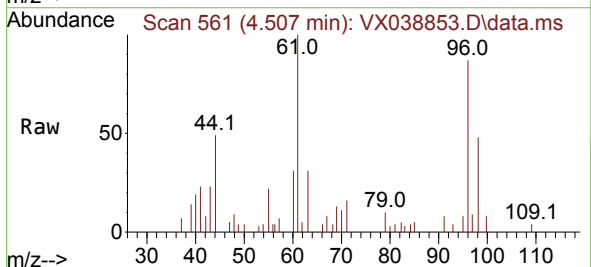
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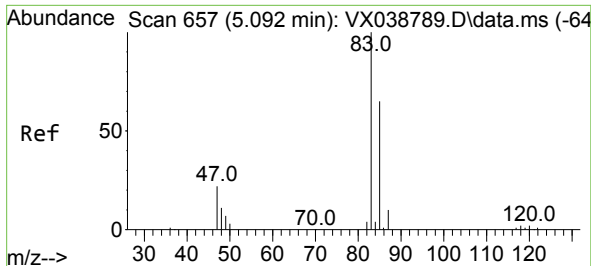
Tgt Ion: 63 Resp: 2101
 Ion Ratio Lower Upper
 63 100
 98 0.0 3.3 9.8#
 100 0.0 2.1 6.5#



#27
 cis-1,2-Dichloroethene
 Concen: 2.291 ug/l
 RT: 4.507 min Scan# 561
 Delta R.T. 0.018 min
 Lab File: VX038853.D
 Acq: 16 Nov 2023 21:18

Tgt Ion: 96 Resp: 4817
 Ion Ratio Lower Upper
 96 100
 61 120.6 0.0 312.2
 98 67.8 0.0 129.0

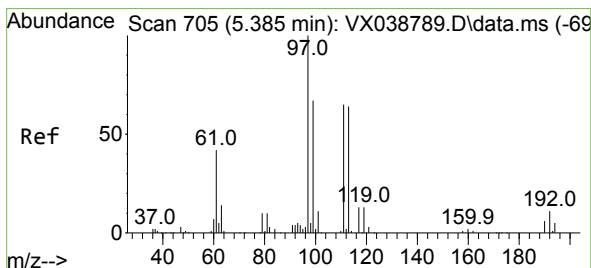
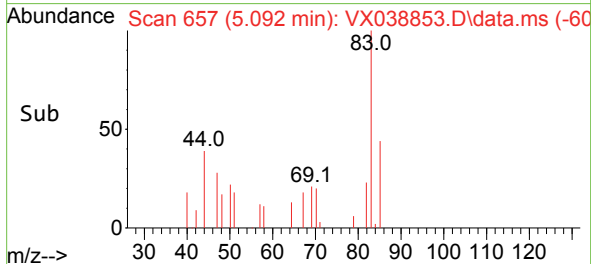
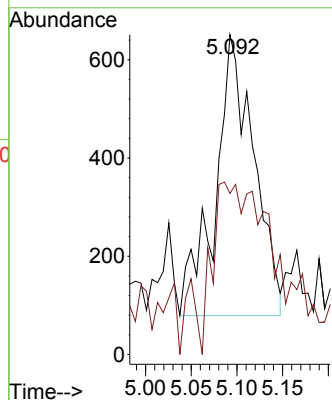
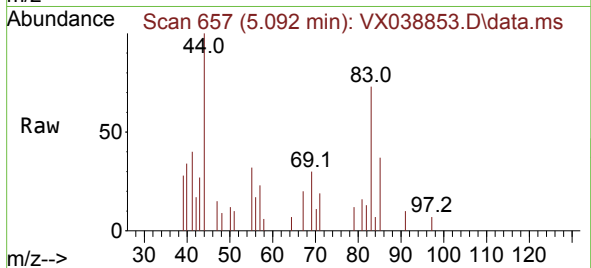




#30
Chloroform
Concen: 0.513 ug/l
RT: 5.092 min Scan# 61
Delta R.T. -0.000 min
Lab File: VX038853.D
Acq: 16 Nov 2023 21:18

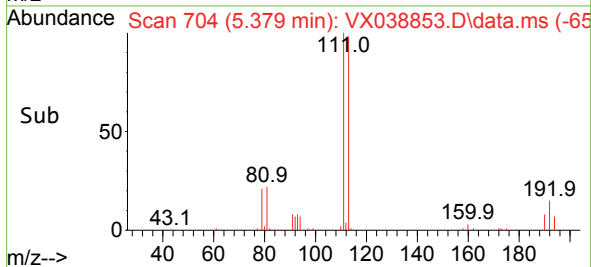
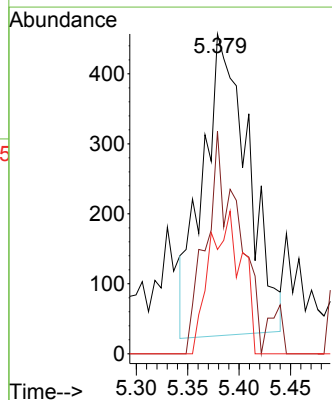
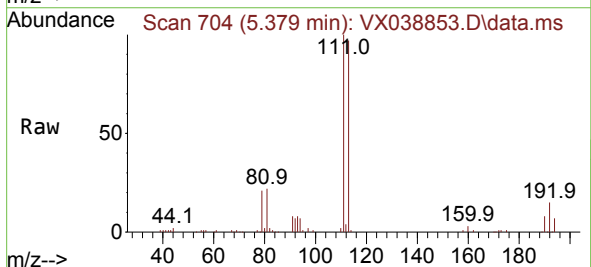
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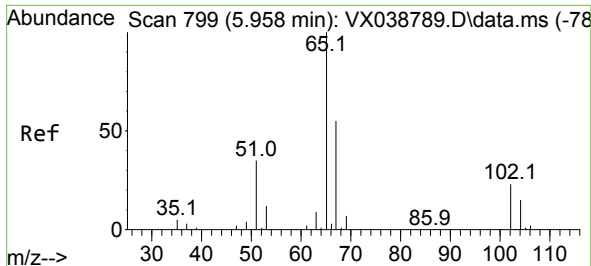
Tgt Ion: 83 Resp: 1683
Ion Ratio Lower Upper
83 100
85 57.3 50.3 75.5



#32
1,1,1-Trichloroethane
Concen: 0.466 ug/l
RT: 5.379 min Scan# 704
Delta R.T. -0.006 min
Lab File: VX038853.D
Acq: 16 Nov 2023 21:18

Tgt Ion: 97 Resp: 1322
Ion Ratio Lower Upper
97 100
99 0.0 51.1 76.7#
61 33.9 36.4 54.6#





#33

1,2-Dichloroethane-d4

Concen: 46.914 ug/l

RT: 5.958 min Scan# 799

Delta R.T. -0.000 min

Lab File: VX038853.D

Acq: 16 Nov 2023 21:18

Instrument :

MSVOA_X

ClientSampleId :

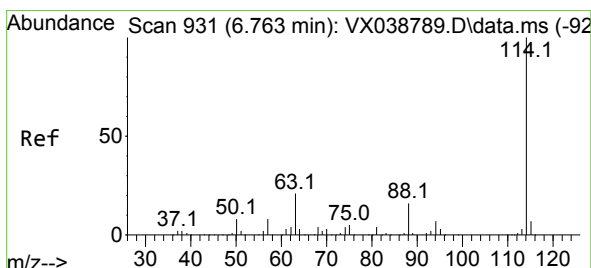
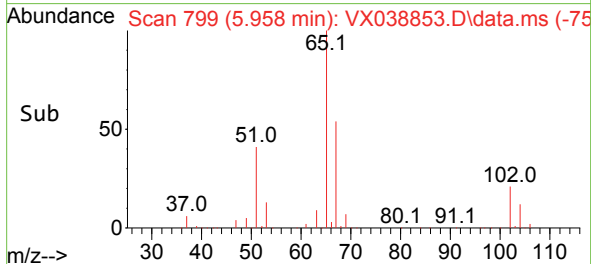
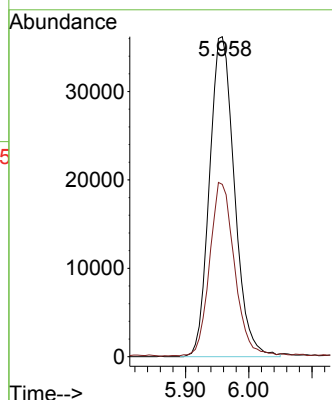
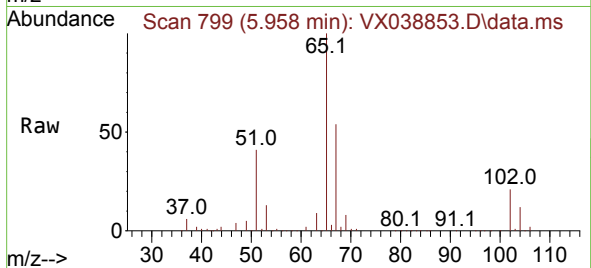
RE114D2-20231108

Tgt Ion: 65 Resp: 99133

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: VX038853.D

Acq: 16 Nov 2023 21:18

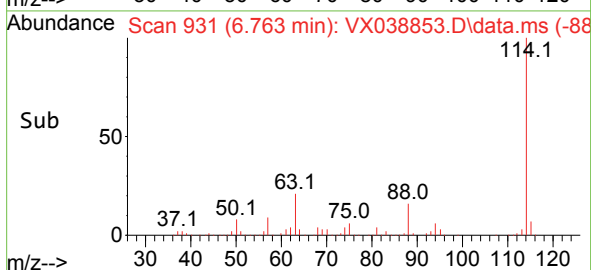
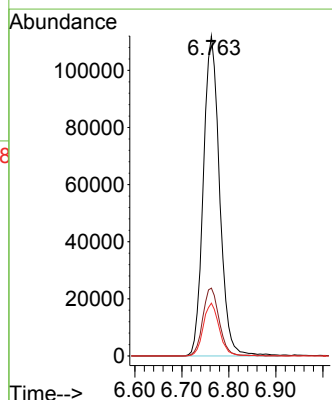
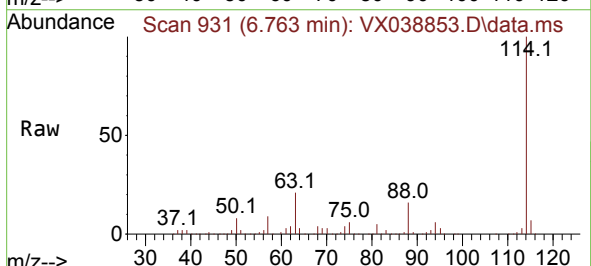
Tgt Ion: 114 Resp: 268813

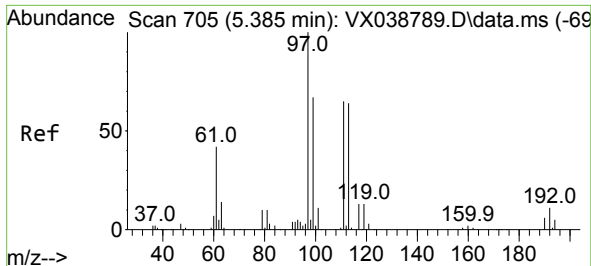
Ion Ratio Lower Upper

114 100

63 21.2 0.0 45.0

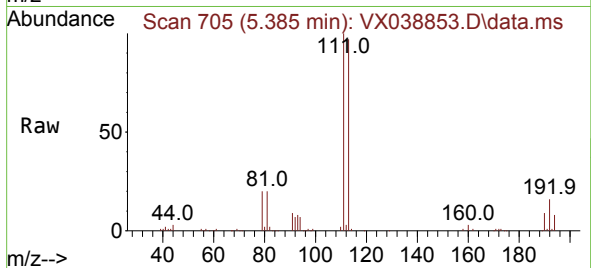
88 16.5 0.0 36.6



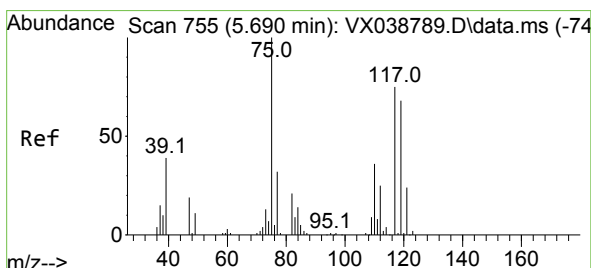
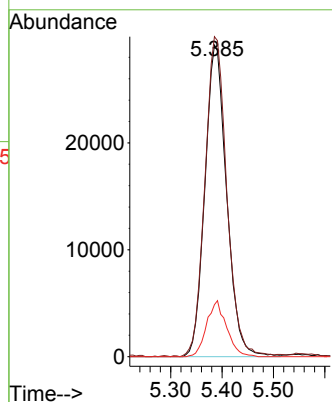
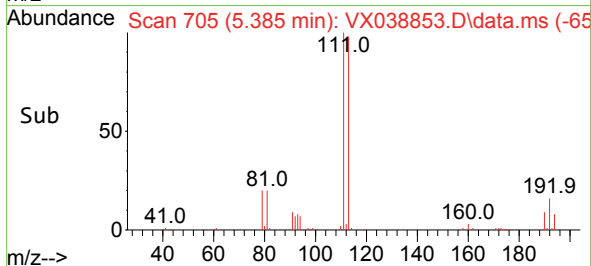


#35
Dibromofluoromethane
Concen: 44.102 ug/l
RT: 5.385 min Scan# 705
Delta R.T. -0.000 min
Lab File: VX038853.D
Acq: 16 Nov 2023 21:18

Instrument :
MSVOA_X
ClientSampleId :
RE114D2-20231108

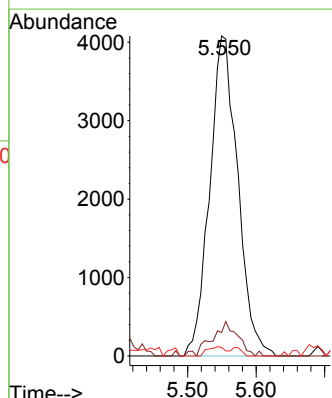
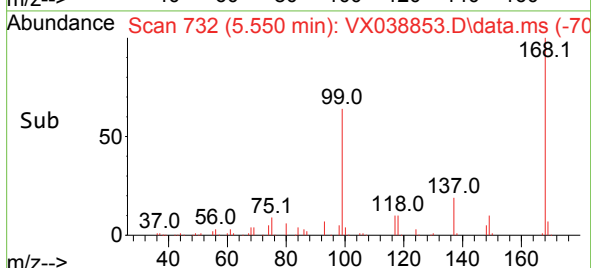
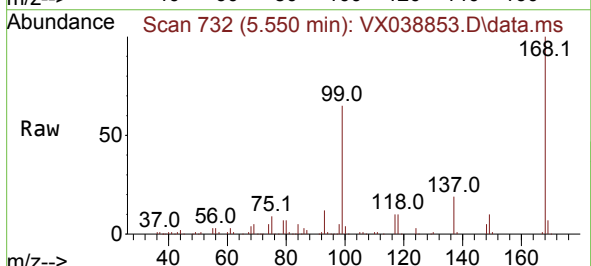


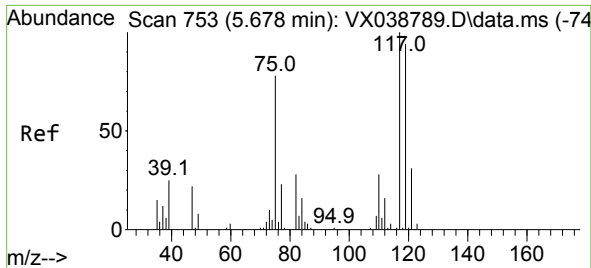
Tgt Ion:113 Resp: 85621
Ion Ratio Lower Upper
113 100
111 103.9 82.9 124.3
192 16.6 13.3 19.9



#36
1,1-Dichloropropene
Concen: 4.169 ug/l
RT: 5.550 min Scan# 732
Delta R.T. -0.140 min
Lab File: VX038853.D
Acq: 16 Nov 2023 21:18

Tgt Ion: 75 Resp: 11601
Ion Ratio Lower Upper
75 100
110 10.0 17.0 50.9#
77 2.0 24.7 37.1#

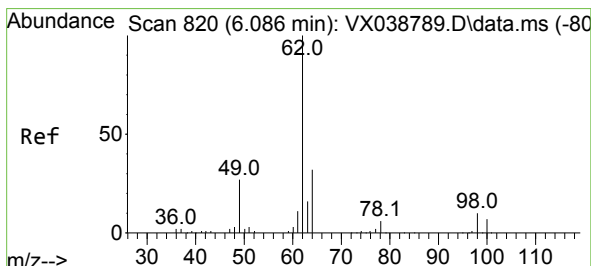
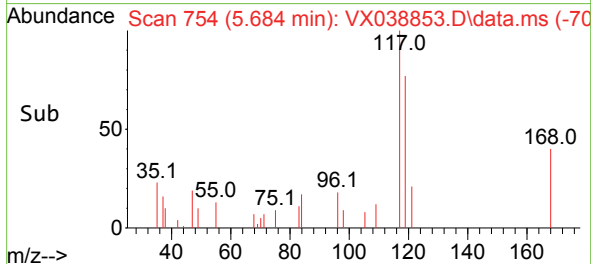
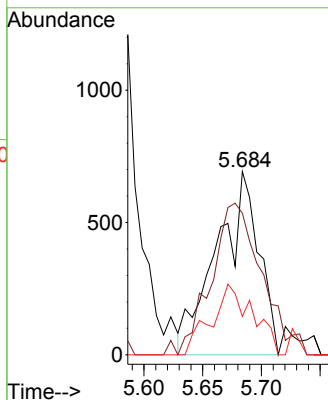
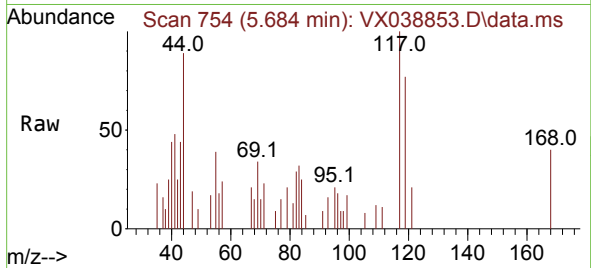




#38
Carbon Tetrachloride
Concen: 0.673 ug/l
RT: 5.684 min Scan# 71
Delta R.T. 0.006 min
Lab File: VX038853.D
Acq: 16 Nov 2023 21:18

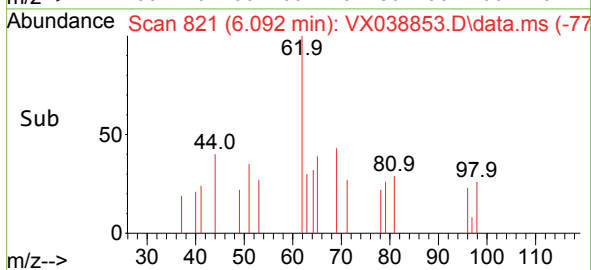
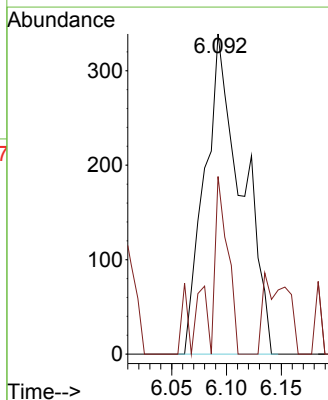
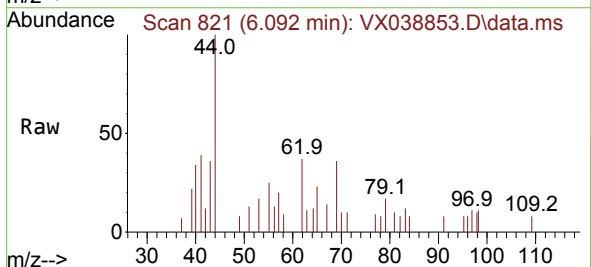
Instrument :
MSVOA_X
ClientSampleId :
RE114D2-20231108

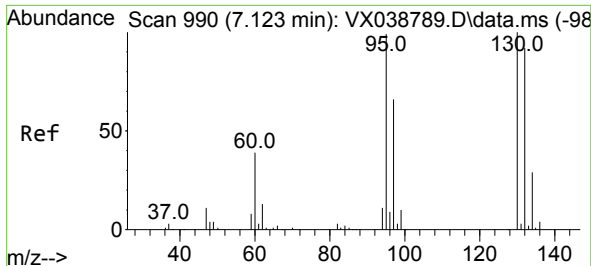
Tgt Ion:117 Resp: 1730
Ion Ratio Lower Upper
117 100
119 77.2 78.2 117.2#
121 20.9 24.4 36.6#



#42
1,2-Dichloroethane
Concen: 0.292 ug/l
RT: 6.092 min Scan# 821
Delta R.T. 0.006 min
Lab File: VX038853.D
Acq: 16 Nov 2023 21:18

Tgt Ion: 62 Resp: 795
Ion Ratio Lower Upper
62 100
98 24.9 0.0 16.0#

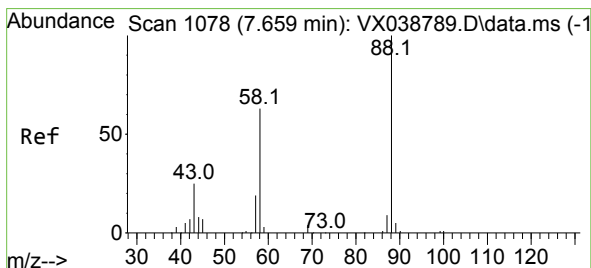
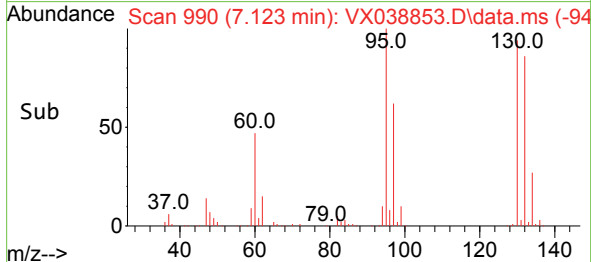
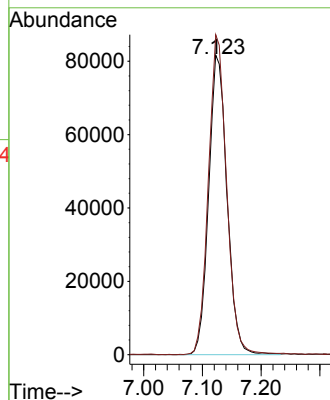
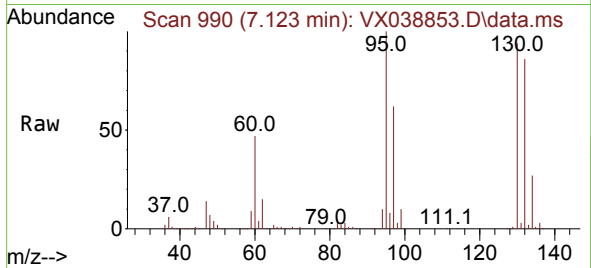




#44
Trichloroethene
Concen: 88.509 ug/l
RT: 7.123 min Scan# 990
Delta R.T. -0.000 min
Lab File: VX038853.D
Acq: 16 Nov 2023 21:18

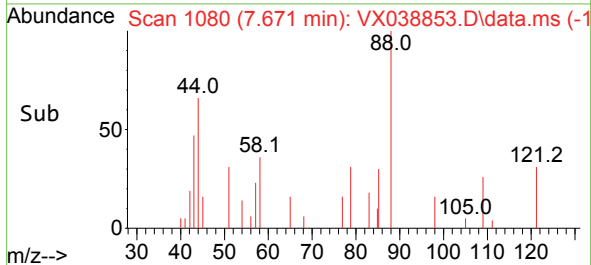
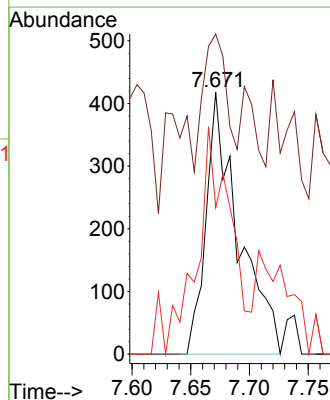
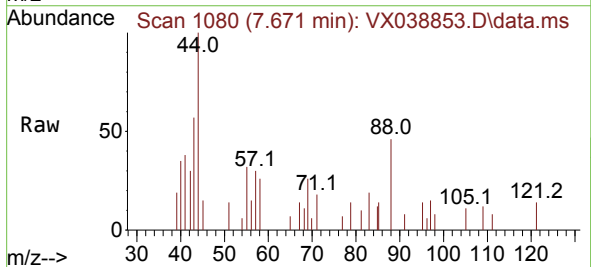
Instrument :
MSVOA_X
ClientSampleId :
RE114D2-20231108

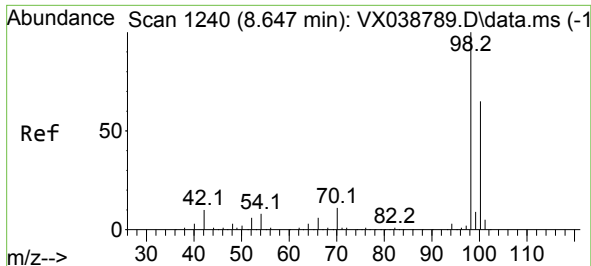
Tgt Ion:130 Resp: 177303
Ion Ratio Lower Upper
130 100
95 106.7 0.0 204.4



#49
1,4-Dioxane
Concen: 14.729 ug/l
RT: 7.671 min Scan# 1080
Delta R.T. 0.012 min
Lab File: VX038853.D
Acq: 16 Nov 2023 21:18

Tgt Ion: 88 Resp: 801
Ion Ratio Lower Upper
88 100
43 41.8 0.0 0.0#
58 89.5 60.1 90.1

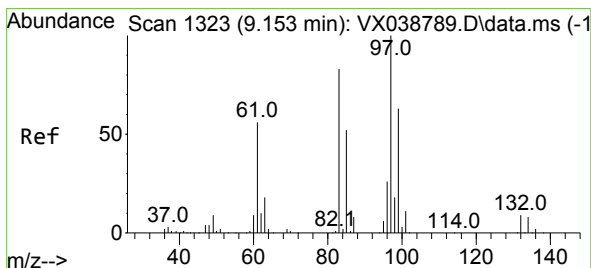
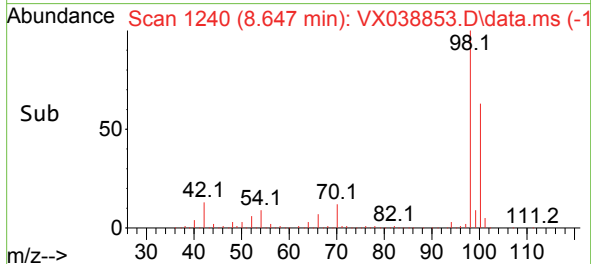
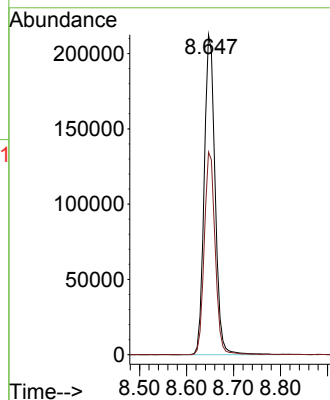
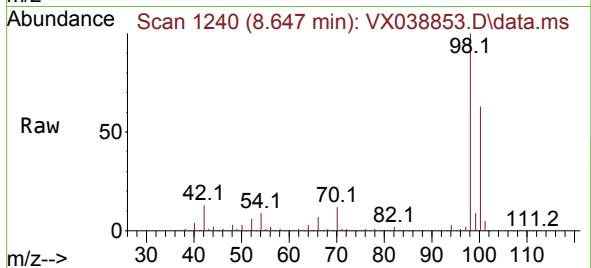




#50
Toluene-d8
Concen: 45.843 ug/l
RT: 8.647 min Scan# 11
Delta R.T. -0.000 min
Lab File: VX038853.D
Acq: 16 Nov 2023 21:18

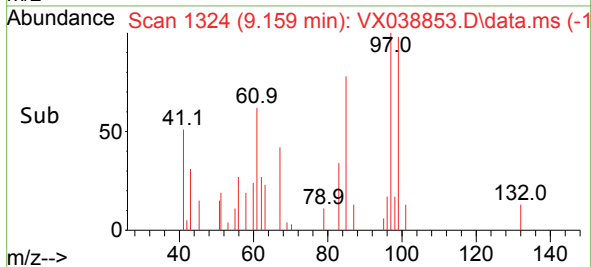
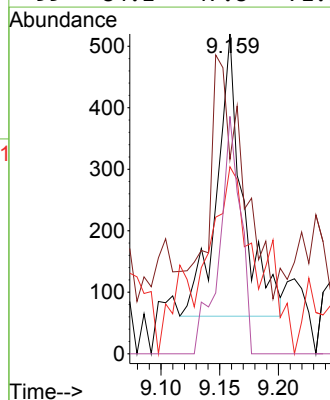
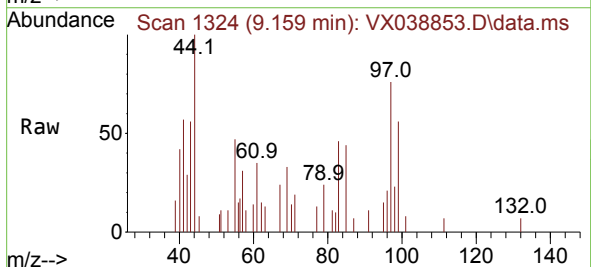
Instrument :
MSVOA_X
ClientSampleId :
RE114D2-20231108

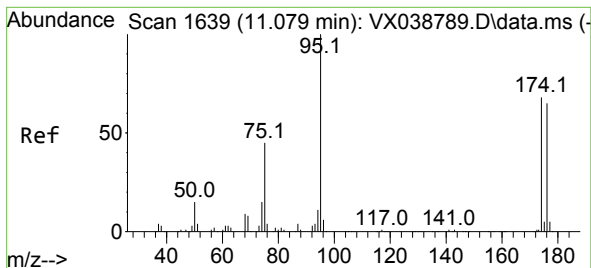
Tgt Ion: 98 Resp: 340521
Ion Ratio Lower Upper
98 100
100 63.3 53.1 79.7



#55
1,1,2-Trichloroethane
Concen: 0.332 ug/l
RT: 9.159 min Scan# 1324
Delta R.T. 0.006 min
Lab File: VX038853.D
Acq: 16 Nov 2023 21:18

Tgt Ion: 97 Resp: 707
Ion Ratio Lower Upper
97 100
83 39.7 65.8 98.8#
85 53.4 41.6 62.4
99 84.1 47.8 71.8#

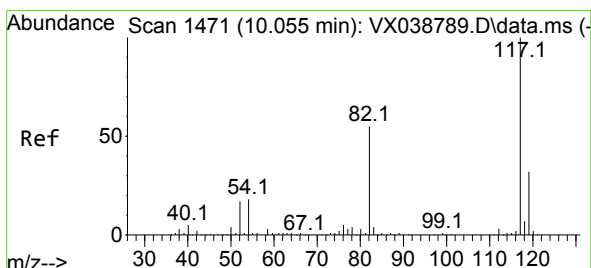
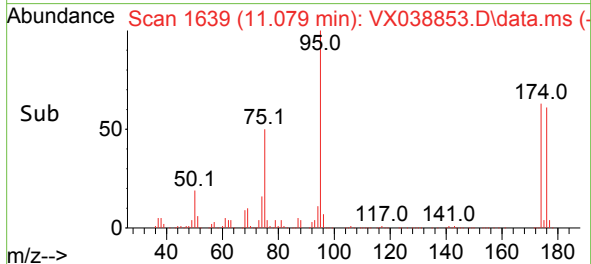
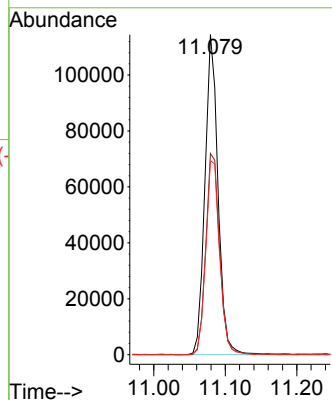
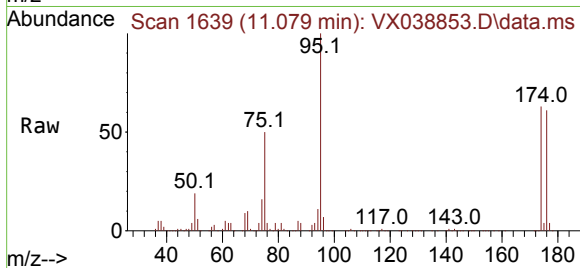




#62
4-Bromofluorobenzene
Concen: 49.058 ug/l
RT: 11.079 min Scan# 11
Delta R.T. -0.000 min
Lab File: VX038853.D
Acq: 16 Nov 2023 21:18

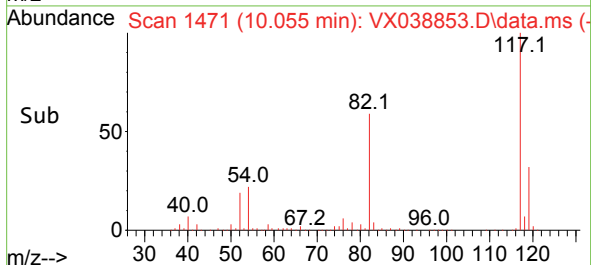
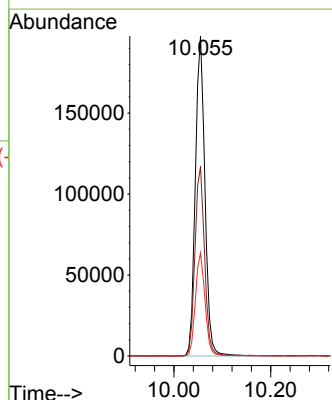
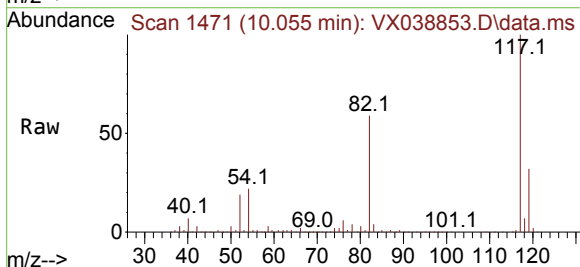
Instrument :
MSVOA_X
ClientSampleId :
RE114D2-20231108

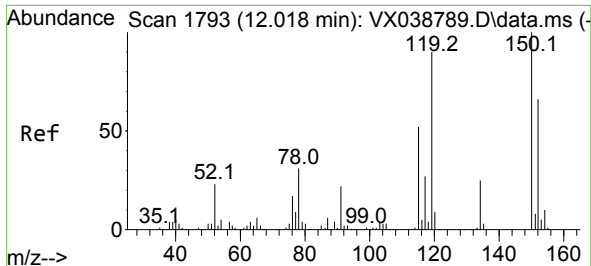
Tgt Ion: 95 Resp: 145872
Ion Ratio Lower Upper
95 100
174 66.5 0.0 135.6
176 64.1 0.0 131.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. -0.000 min
Lab File: VX038853.D
Acq: 16 Nov 2023 21:18

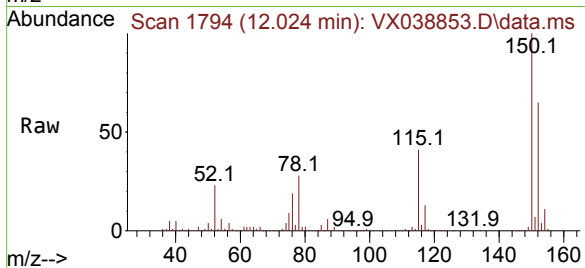
Tgt Ion: 117 Resp: 271537
Ion Ratio Lower Upper
117 100
82 59.2 46.2 69.4
119 32.2 25.5 38.3



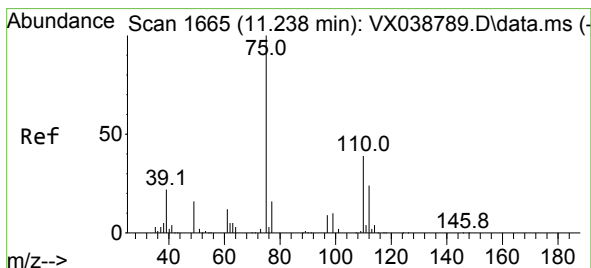
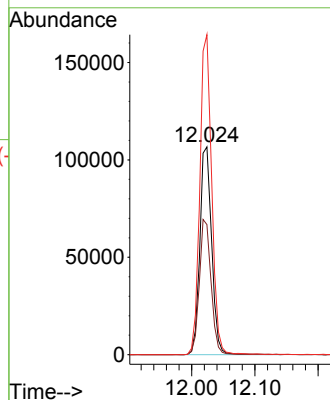
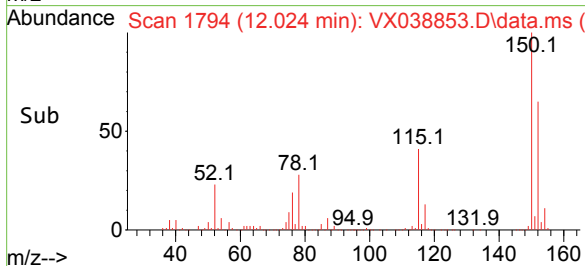


#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 12.024 min Scan# 11
 Delta R.T. 0.006 min
 Lab File: VX038853.D
 Acq: 16 Nov 2023 21:18

Instrument :
 MSVOA_X
 ClientSampleId :
 RE114D2-20231108

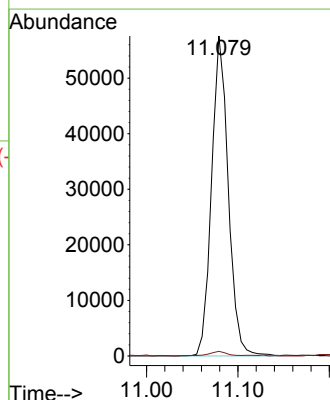
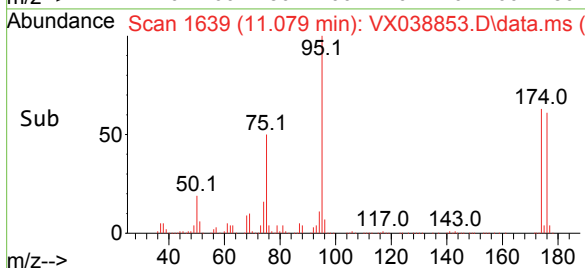
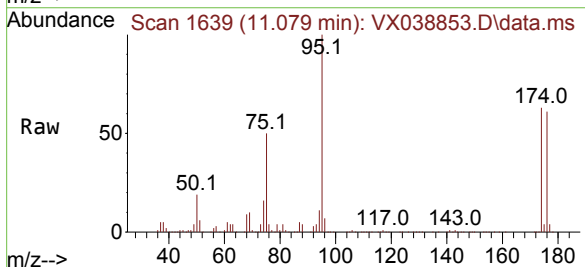


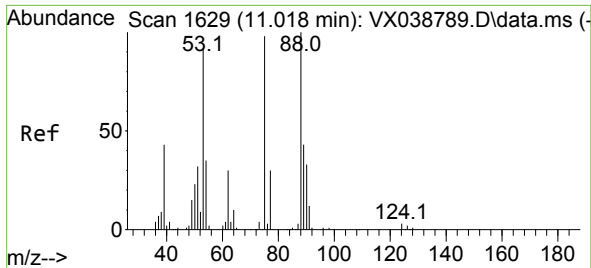
Tgt Ion:152 Resp: 139264
 Ion Ratio Lower Upper
 152 100
 115 64.4 43.3 129.9
 150 154.3 0.0 345.0



#76
 1,2,3-Trichloropropane
 Concen: 20.989 ug/l
 RT: 11.079 min Scan# 1639
 Delta R.T. -0.159 min
 Lab File: VX038853.D
 Acq: 16 Nov 2023 21:18

Tgt Ion: 75 Resp: 72928
 Ion Ratio Lower Upper
 75 100
 77 1.6 19.1 57.5#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 46.555 ug/l
 RT: 11.079 min Scan# 1
 Delta R.T. 0.061 min
 Lab File: VX038853.D
 Acq: 16 Nov 2023 21:18

Instrument :
 MSVOA_X
 ClientSampleId :
 RE114D2-20231108

Tgt Ion: 75 Resp: 72928
 Ion Ratio Lower Upper
 75 100
 53 0.1 90.5 135.7#
 89 0.0 36.9 55.3#

