

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX112023\
 Data File : VX038954.D
 Acq On : 20 Nov 2023 13:33
 Operator : JC/MD
 Sample : 05404-31DL 10X
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 RE103D2-20231110DL

Quant Time: Nov 21 00:19:18 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)

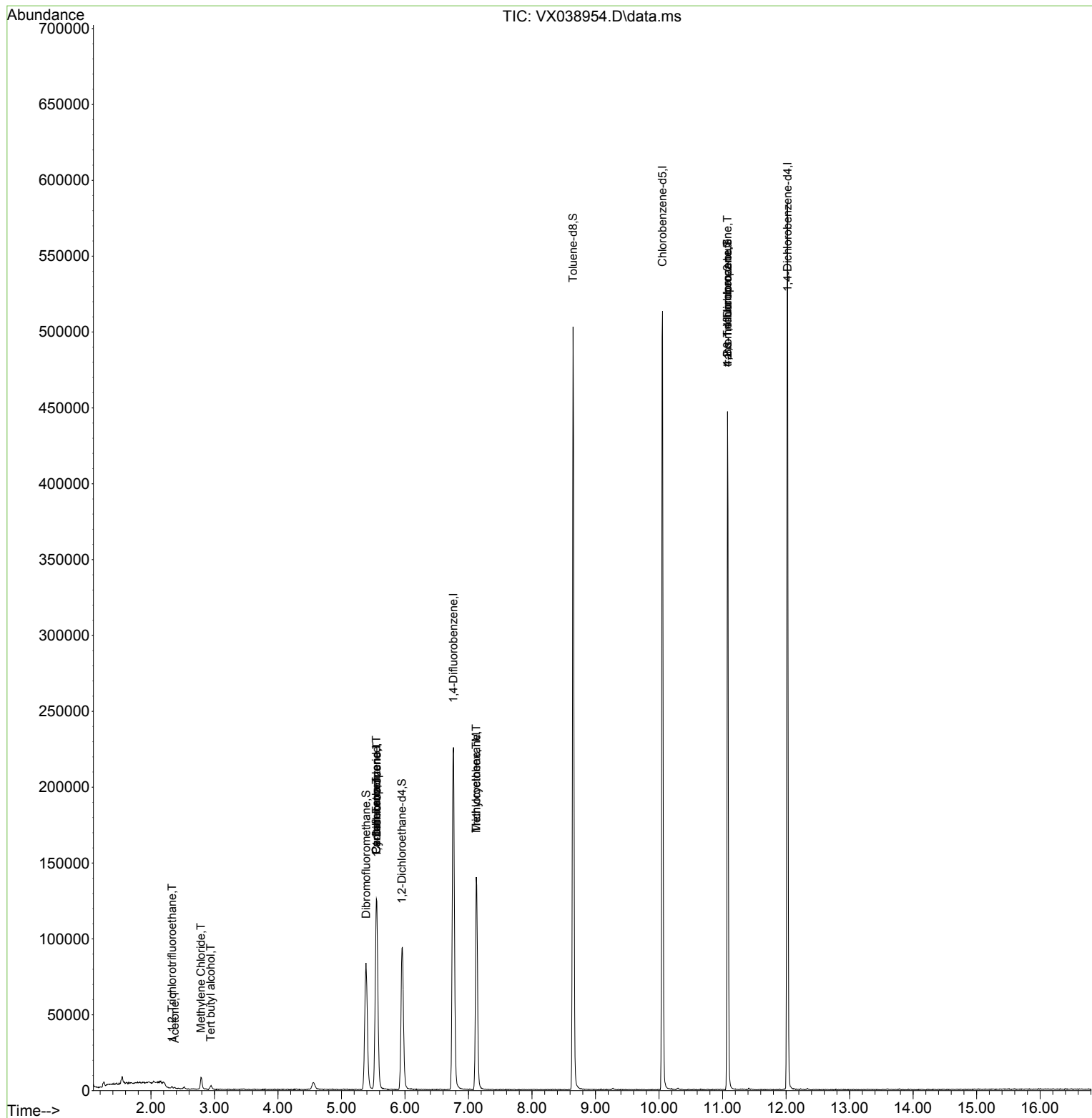
Internal Standards						
1) Pentafluorobenzene	5.549	168	112533	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	228809	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	236494	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	118204	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	89333	49.266	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	=	98.540%
35) Dibromofluoromethane	5.385	113	73627	44.555	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	89.100%
50) Toluene-d8	8.646	98	289260	45.750	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	=	91.500%#
62) 4-Bromofluorobenzene	11.079	95	126382	49.934	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	99.860%
Target Compounds						
					Qvalue	
9) 1,1,2-Trichlorotrifluo...	2.331	101	347	0.250	ug/l #	80
11) Tert butyl alcohol	2.940	59	1334	2.645	ug/l	99
16) Acetone	2.373	43	659	0.683	ug/l #	88
20) Methylene Chloride	2.788	84	3653	2.099	ug/l	90
31) Cyclohexane	5.549	56	3012	1.163	ug/l #	17
36) 1,1-Dichloropropene	5.556	75	10243	4.325	ug/l #	47
38) Carbon Tetrachloride	5.549	117	12712	5.807	ug/l #	15
39) Methylcyclohexane	7.122	83	747	0.242	ug/l #	1
44) Trichloroethene	7.122	130	51326	30.101	ug/l	92
76) 1,2,3-Trichloropropane	11.079	75	66147	22.429	ug/l #	38
81) trans-1,4-Dichloro-2-b...	11.079	75	66147	49.750	ug/l #	5

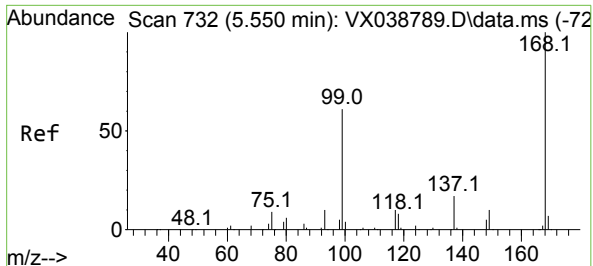
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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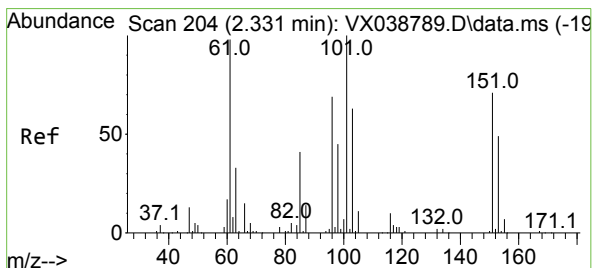
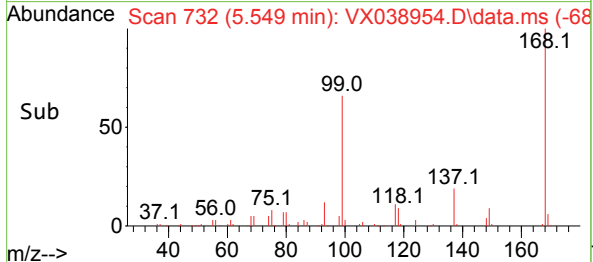
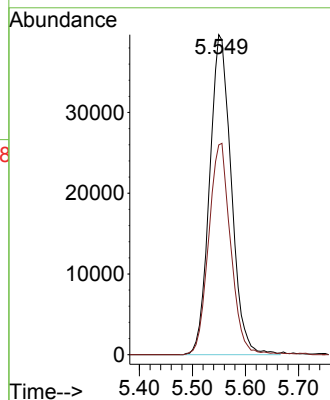
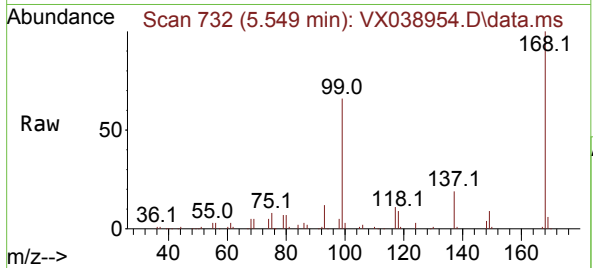




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.549 min Scan# 71
Delta R.T. -0.001 min
Lab File: VX038954.D
Acq: 20 Nov 2023 13:33

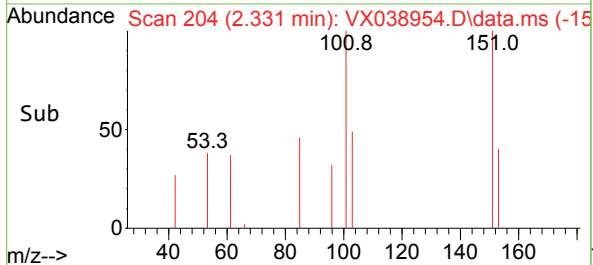
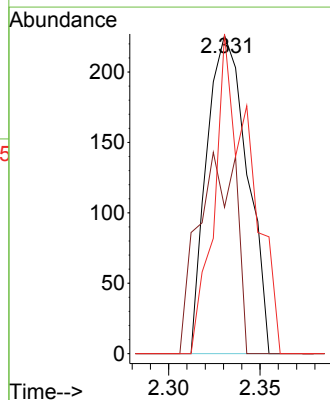
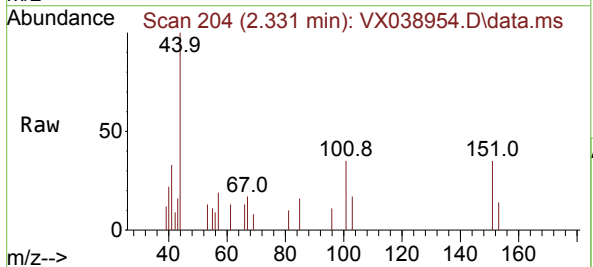
Instrument :
MSVOA_X
ClientSampleId :
RE103D2-20231110DL

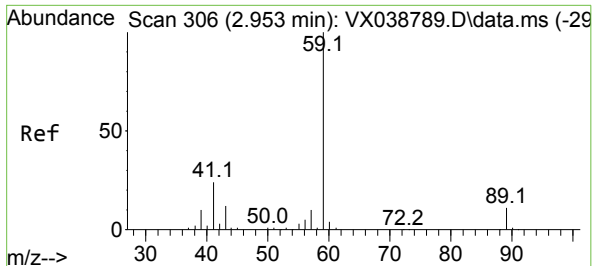
Tgt Ion:168 Resp: 112533
Ion Ratio Lower Upper
168 100
99 65.5 56.6 85.0



#9
1,1,2-Trichlorotrifluoroethane
Concen: 0.250 ug/l
RT: 2.331 min Scan# 204
Delta R.T. -0.000 min
Lab File: VX038954.D
Acq: 20 Nov 2023 13:33

Tgt Ion:101 Resp: 347
Ion Ratio Lower Upper
101 100
85 59.7 37.0 55.6#
151 89.9 58.6 87.8#





#11

Tert butyl alcohol

Concen: 2.645 ug/l

RT: 2.940 min Scan# 306

Delta R.T. -0.012 min

Lab File: VX038954.D

Acq: 20 Nov 2023 13:33

Instrument :

MSVOA_X

ClientSampleId :

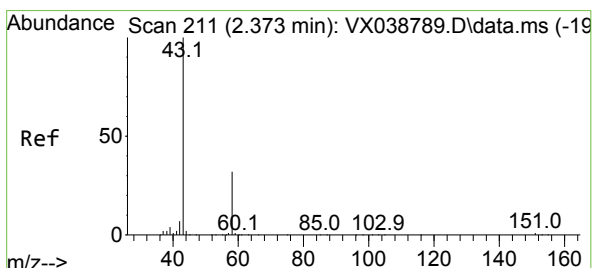
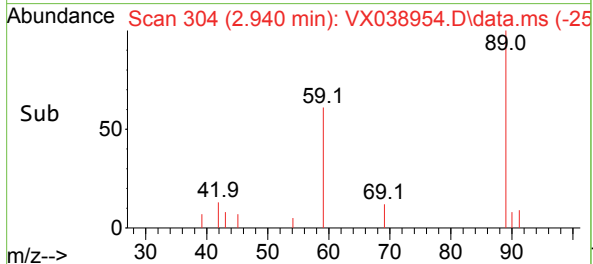
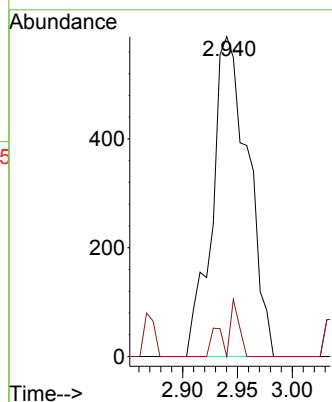
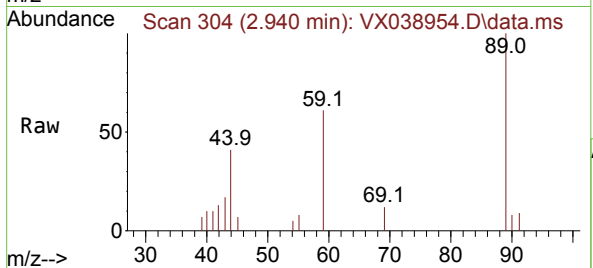
RE103D2-20231110DL

Tgt Ion: 59 Resp: 1334

Ion Ratio Lower Upper

59 100

57 7.1 6.0 9.0



#16

Acetone

Concen: 0.683 ug/l

RT: 2.373 min Scan# 211

Delta R.T. -0.000 min

Lab File: VX038954.D

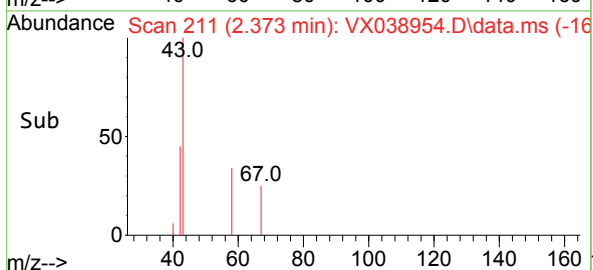
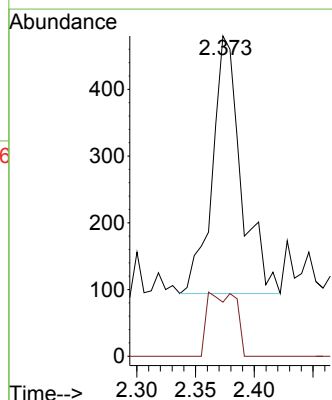
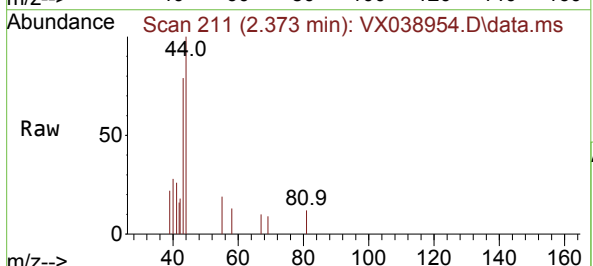
Acq: 20 Nov 2023 13:33

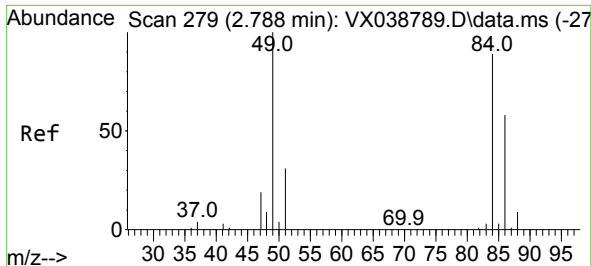
Tgt Ion: 43 Resp: 659

Ion Ratio Lower Upper

43 100

58 21.0 21.9 32.9#





#20

Methylene Chloride

Concen: 2.099 ug/l

RT: 2.788 min Scan# 21

Delta R.T. -0.000 min

Lab File: VX038954.D

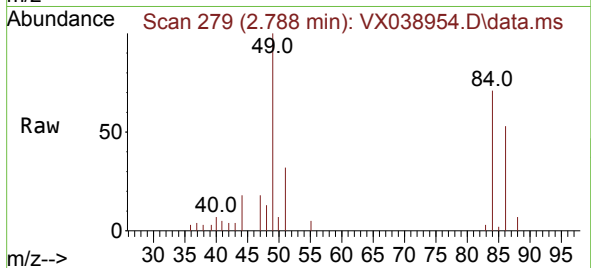
Acq: 20 Nov 2023 13:33

Instrument :

MSVOA_X

ClientSampleId :

RE103D2-20231110DL



Tgt Ion: 84 Resp: 3653

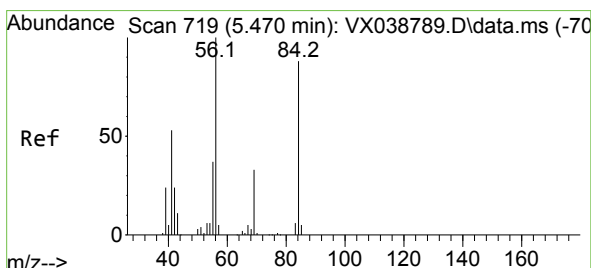
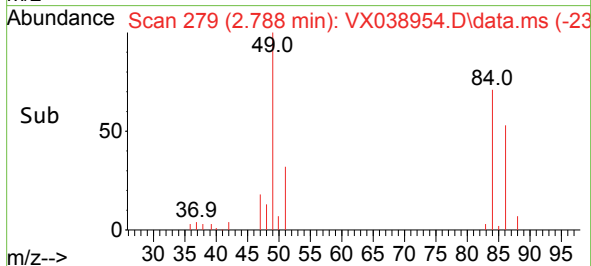
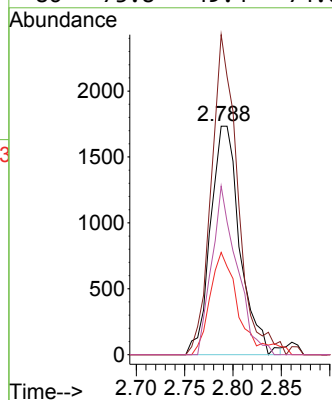
Ion Ratio Lower Upper

84 100

49 140.0 103.6 155.4

51 44.8 33.8 50.6

86 73.8 49.4 74.0



#31

Cyclohexane

Concen: 1.163 ug/l

RT: 5.549 min Scan# 732

Delta R.T. 0.079 min

Lab File: VX038954.D

Acq: 20 Nov 2023 13:33

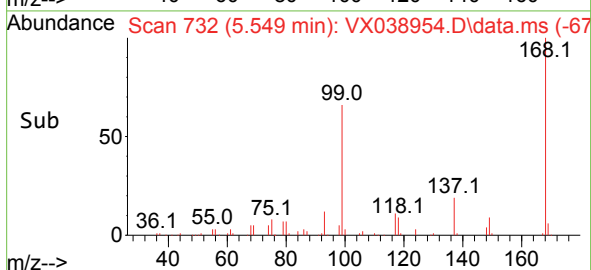
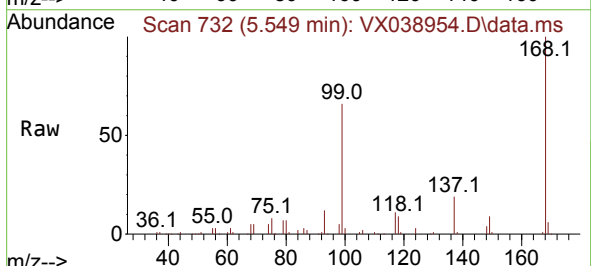
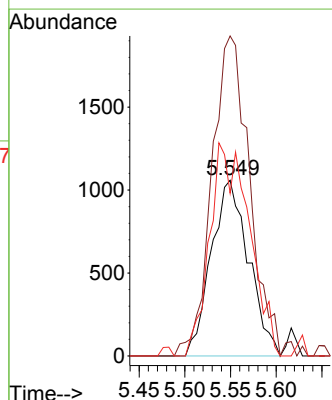
Tgt Ion: 56 Resp: 3012

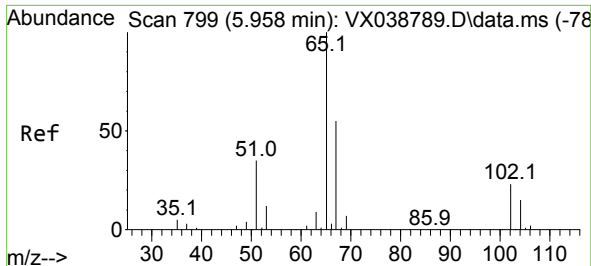
Ion Ratio Lower Upper

56 100

69 182.2 23.4 35.2#

84 92.6 65.9 98.9





#33

1,2-Dichloroethane-d4

Concen: 49.266 ug/l

RT: 5.952 min Scan# 799

Delta R.T. -0.006 min

Lab File: VX038954.D

Acq: 20 Nov 2023 13:33

Instrument :

MSVOA_X

ClientSampleId :

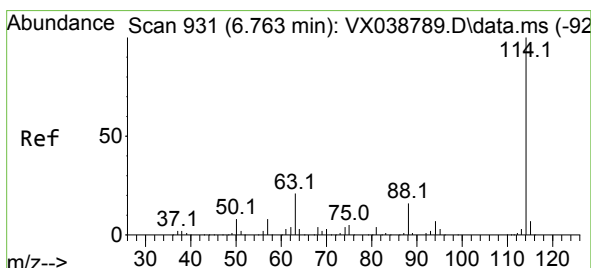
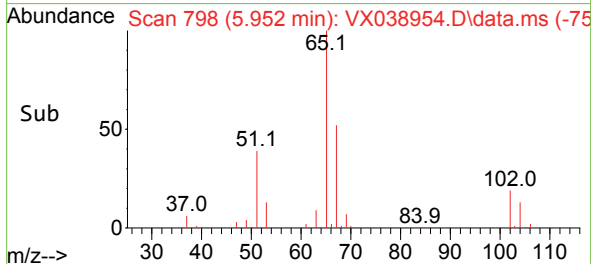
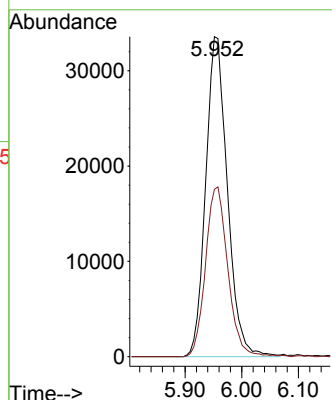
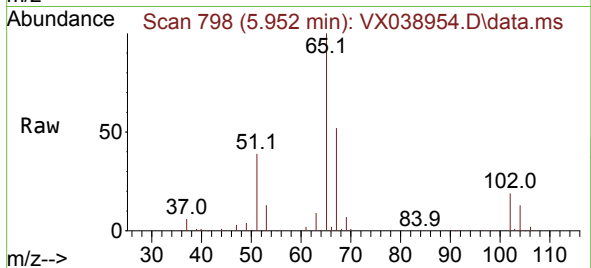
RE103D2-20231110DL

Tgt Ion: 65 Resp: 89333

Ion Ratio Lower Upper

65 100

67 54.6 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: VX038954.D

Acq: 20 Nov 2023 13:33

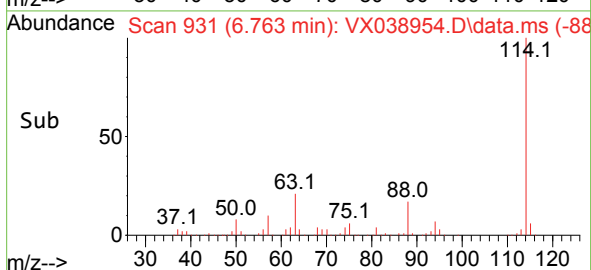
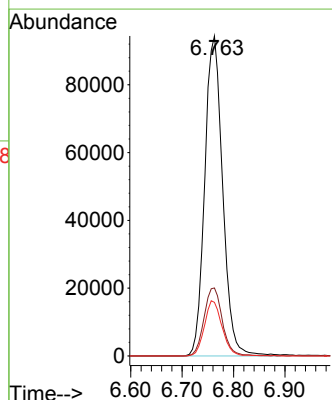
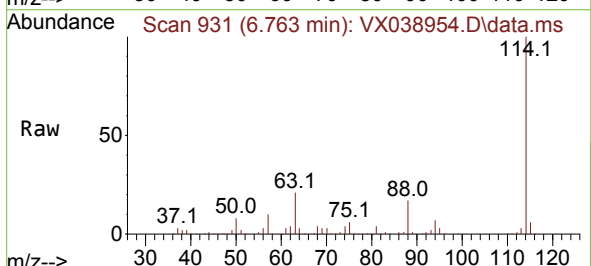
Tgt Ion:114 Resp: 228809

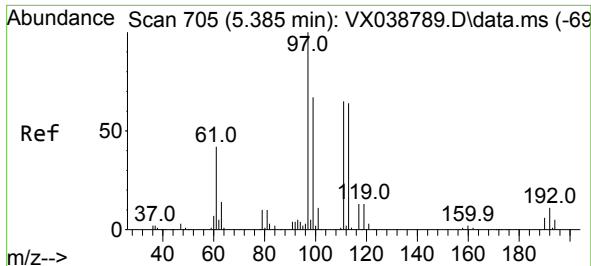
Ion Ratio Lower Upper

114 100

63 21.3 0.0 45.0

88 16.7 0.0 36.6

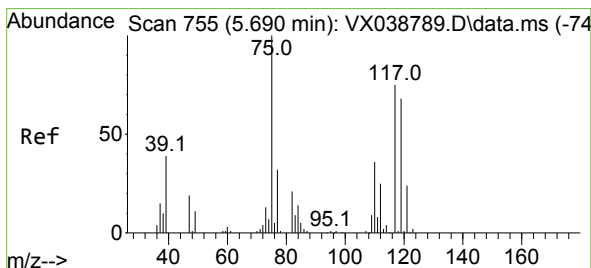
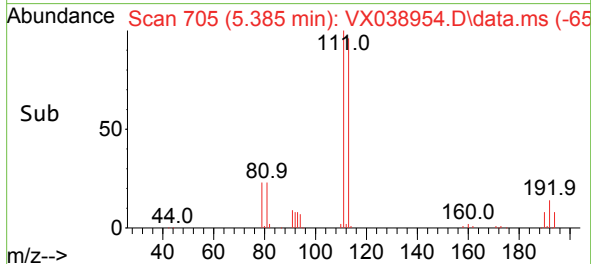
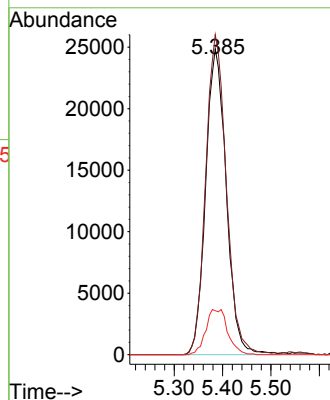
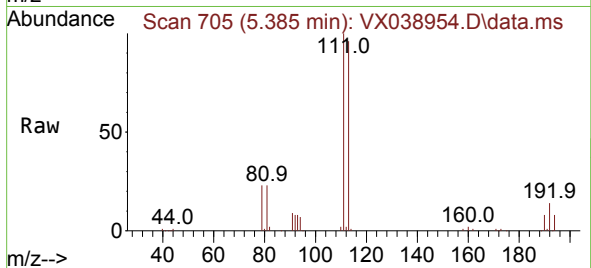




#35
Dibromofluoromethane
Concen: 44.555 ug/l
RT: 5.385 min Scan# 705
Delta R.T. -0.000 min
Lab File: VX038954.D
Acq: 20 Nov 2023 13:33

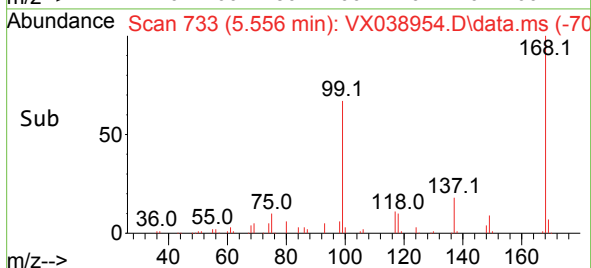
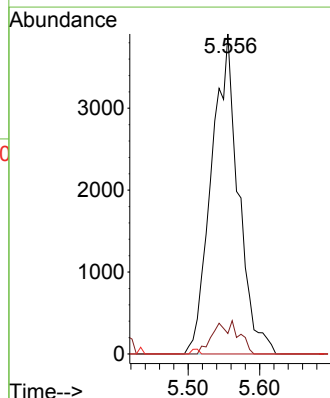
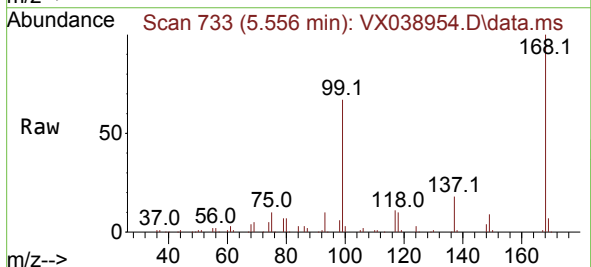
Instrument :
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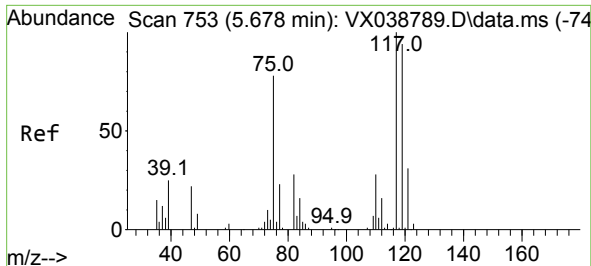
Tgt Ion:113 Resp: 73627
Ion Ratio Lower Upper
113 100
111 104.8 82.9 124.3
192 15.7 13.3 19.9



#36
1,1-Dichloropropene
Concen: 4.325 ug/l
RT: 5.556 min Scan# 733
Delta R.T. -0.134 min
Lab File: VX038954.D
Acq: 20 Nov 2023 13:33

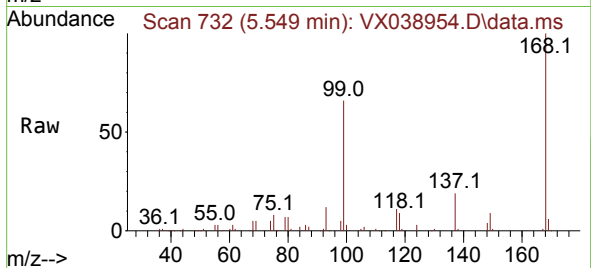
Tgt Ion: 75 Resp: 10243
Ion Ratio Lower Upper
75 100
110 5.7 17.0 50.9#
77 0.0 24.7 37.1#



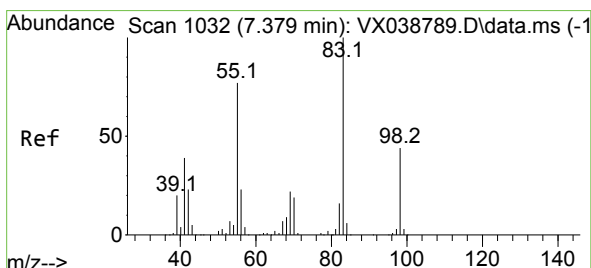
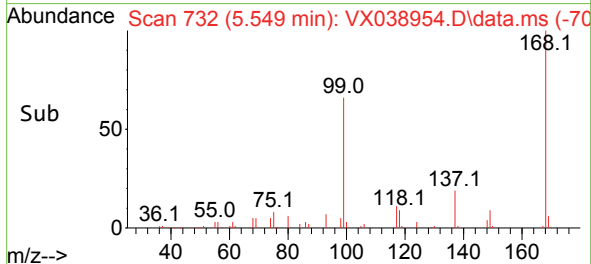
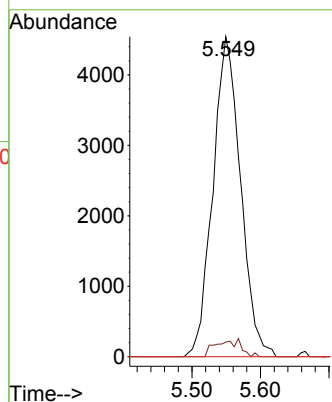


#38
Carbon Tetrachloride
Concen: 5.807 ug/l
RT: 5.549 min Scan# 71
Delta R.T. -0.128 min
Lab File: VX038954.D
Acq: 20 Nov 2023 13:33

Instrument :
MSVOA_X
ClientSampleId :
RE103D2-20231110DL

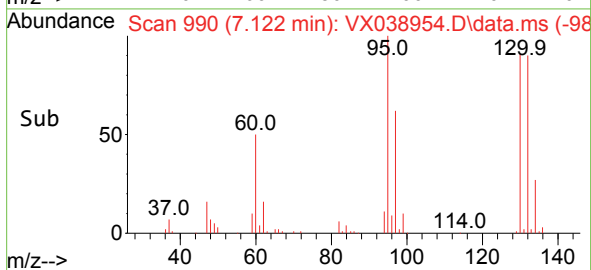
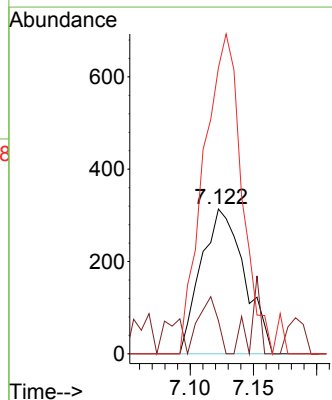
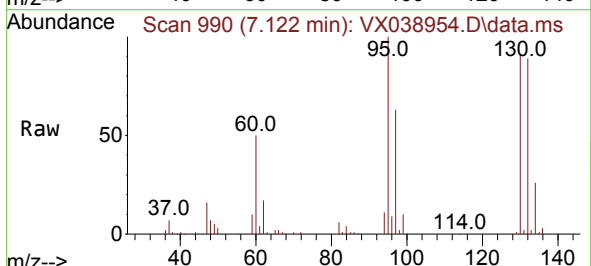


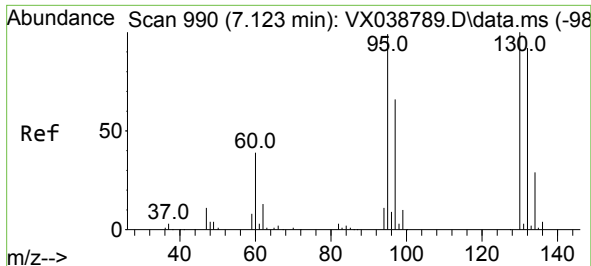
Tgt Ion:117 Resp: 12712
Ion Ratio Lower Upper
117 100
119 4.6 78.2 117.2#
121 0.0 24.4 36.6#



#39
Methylcyclohexane
Concen: 0.242 ug/l
RT: 7.122 min Scan# 990
Delta R.T. -0.256 min
Lab File: VX038954.D
Acq: 20 Nov 2023 13:33

Tgt Ion: 83 Resp: 747
Ion Ratio Lower Upper
83 100
55 22.9 64.6 97.0#
98 197.5 36.7 55.1#

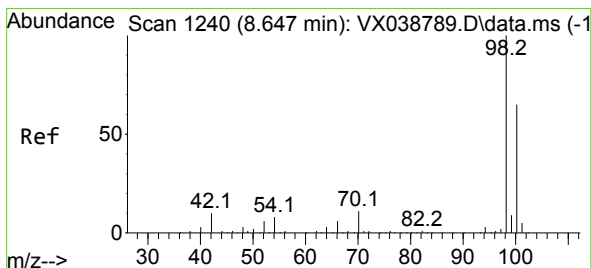
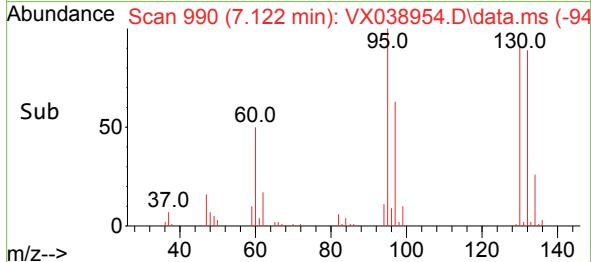
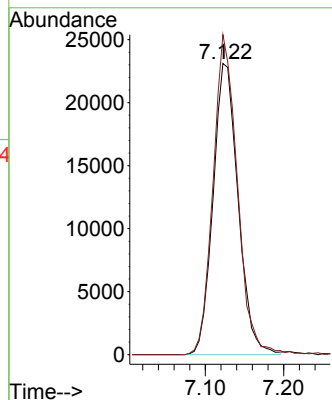
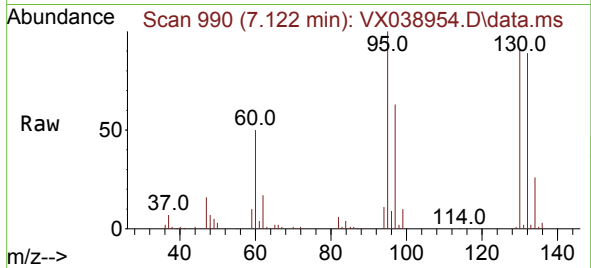




#44
Trichloroethene
Concen: 30.101 ug/l
RT: 7.122 min Scan# 990
Delta R.T. -0.000 min
Lab File: VX038954.D
Acq: 20 Nov 2023 13:33

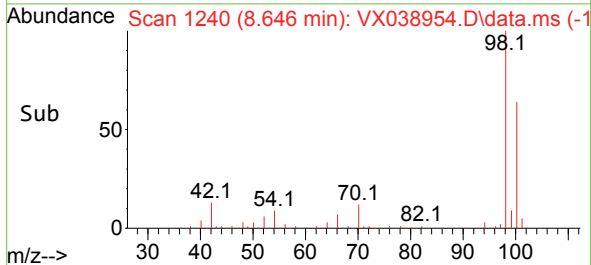
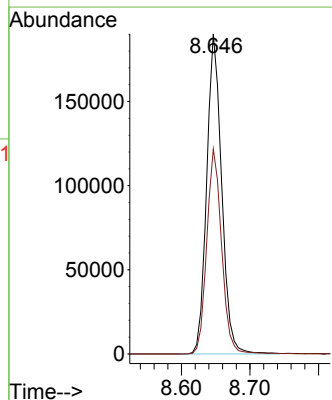
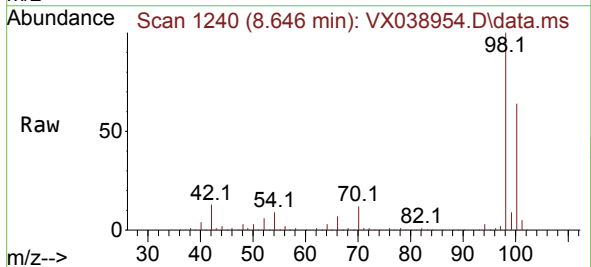
Instrument :
MSVOA_X
ClientSampleId :
RE103D2-20231110DL

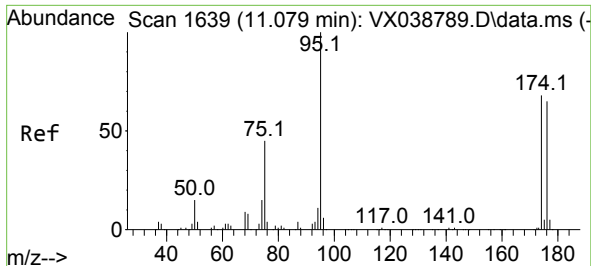
Tgt Ion:130 Resp: 51326
Ion Ratio Lower Upper
130 100
95 109.9 0.0 204.4



#50
Toluene-d8
Concen: 45.750 ug/l
RT: 8.646 min Scan# 1240
Delta R.T. -0.000 min
Lab File: VX038954.D
Acq: 20 Nov 2023 13:33

Tgt Ion: 98 Resp: 289260
Ion Ratio Lower Upper
98 100
100 63.7 53.1 79.7

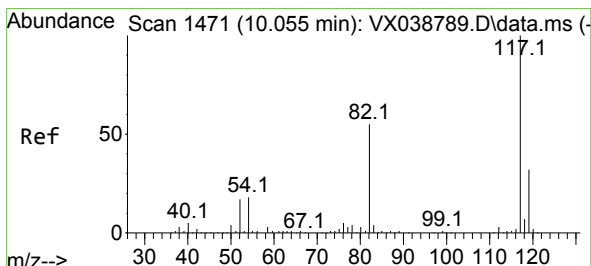
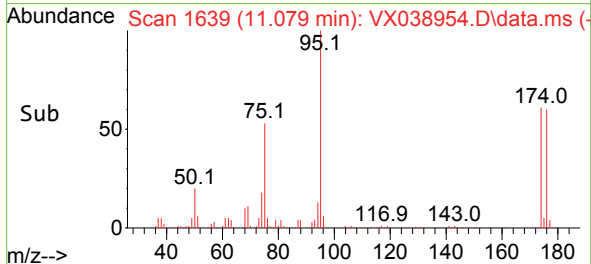
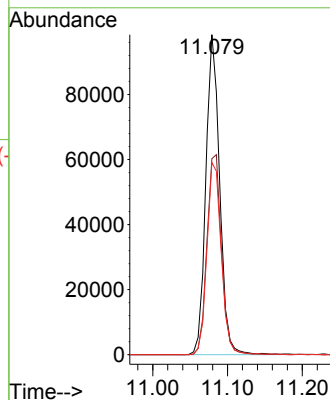
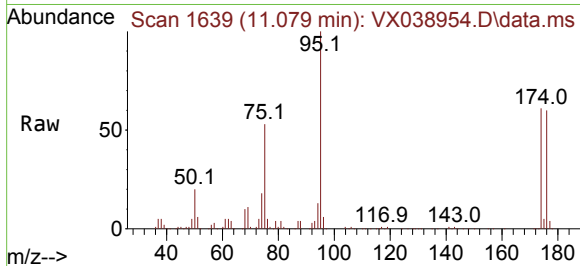




#62
4-Bromofluorobenzene
Concen: 49.934 ug/l
RT: 11.079 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX038954.D
Acq: 20 Nov 2023 13:33

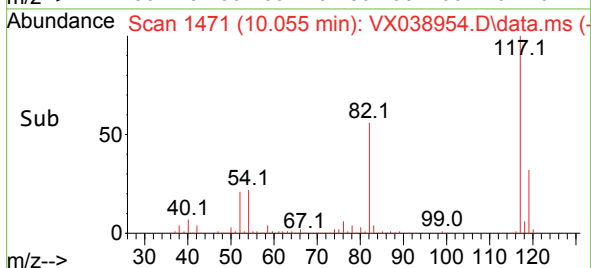
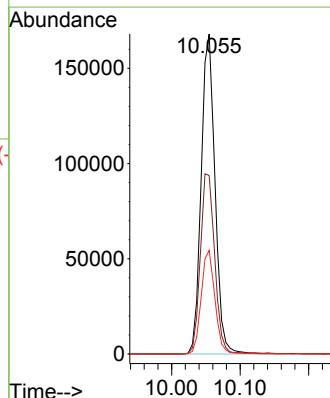
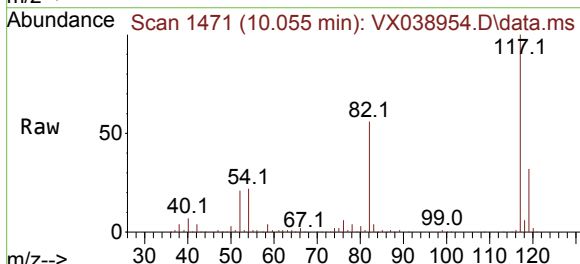
Instrument :
MSVOA_X
ClientSampleId :
RE103D2-20231110DL

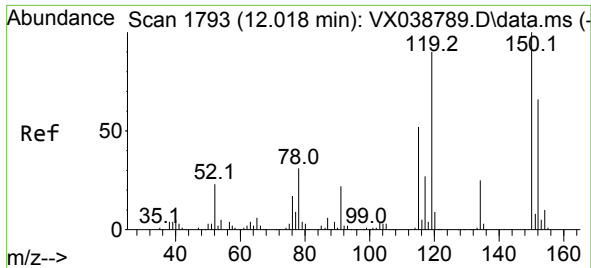
Tgt Ion: 95 Resp: 126382
Ion Ratio Lower Upper
95 100
174 65.9 0.0 135.6
176 62.3 0.0 131.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. -0.000 min
Lab File: VX038954.D
Acq: 20 Nov 2023 13:33

Tgt Ion: 117 Resp: 236494
Ion Ratio Lower Upper
117 100
82 55.7 46.2 69.4
119 32.4 25.5 38.3

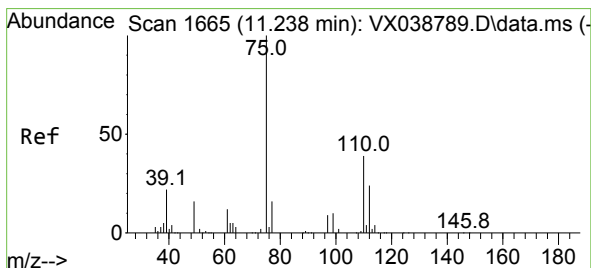
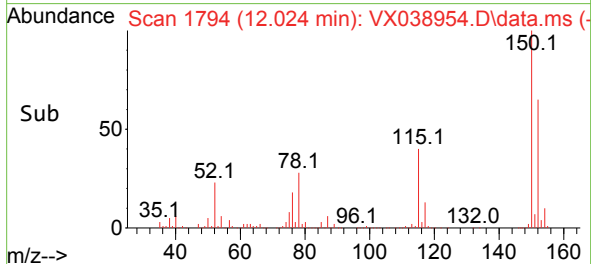
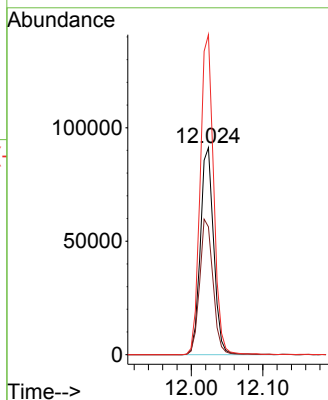
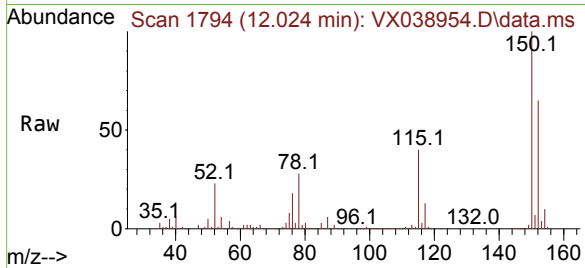




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 12.024 min Scan# 11
 Delta R.T. 0.006 min
 Lab File: VX038954.D
 Acq: 20 Nov 2023 13:33

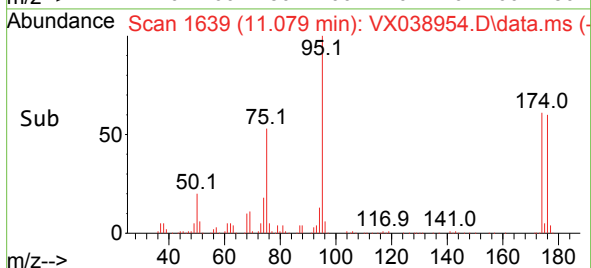
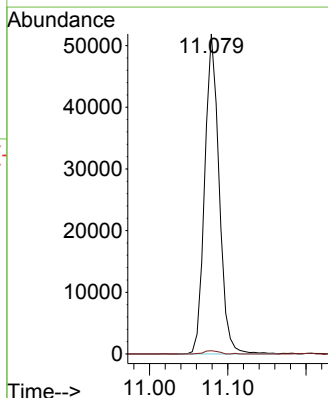
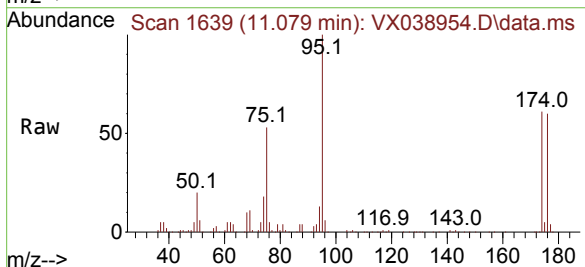
Instrument :
 MSVOA_X
 ClientSampleId :
 RE103D2-20231110DL

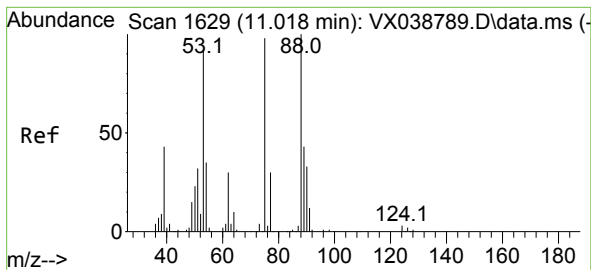
Tgt Ion:152 Resp: 118204
 Ion Ratio Lower Upper
 152 100
 115 65.7 43.3 129.9
 150 155.8 0.0 345.0



#76
 1,2,3-Trichloropropane
 Concen: 22.429 ug/l
 RT: 11.079 min Scan# 1639
 Delta R.T. -0.159 min
 Lab File: VX038954.D
 Acq: 20 Nov 2023 13:33

Tgt Ion: 75 Resp: 66147
 Ion Ratio Lower Upper
 75 100
 77 1.0 19.1 57.5#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 49.750 ug/l
 RT: 11.079 min Scan# 1
 Delta R.T. 0.061 min
 Lab File: VX038954.D
 Acq: 20 Nov 2023 13:33

Instrument :
 MSVOA_X
 ClientSampleId :
 RE103D2-20231110DL

Tgt Ion: 75 Resp: 66147
 Ion Ratio Lower Upper
 75 100
 53 0.0 90.5 135.7#
 89 0.0 36.9 55.3#

