

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX102523\
 Data File : VX038474.D
 Acq On : 25 Oct 2023 13:01
 Operator : JC/MD
 Sample : 05007-12DL 100X
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Oct 26 04:03:31 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X100523W.M
 Quant Title : SW846 8260
 QLast Update : Thu Oct 05 15:27:13 2023
 Response via : Initial Calibration

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

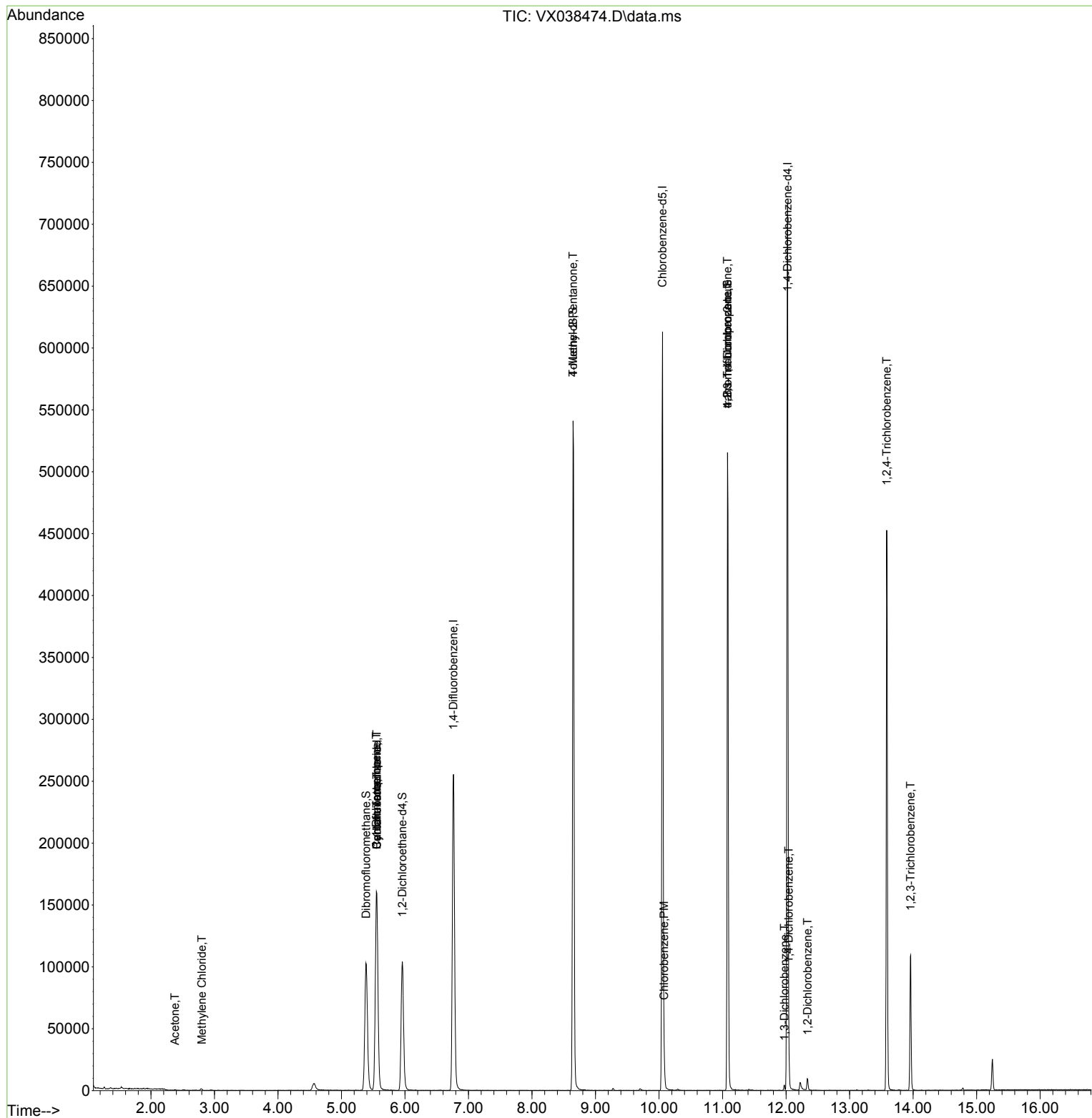
Internal Standards						
1) Pentafluorobenzene	5.556	168	160312	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	6.763	114	276715	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	284708	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	154604	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	102153	39.617	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	=	79.240%
35) Dibromofluoromethane	5.385	113	89974	45.125	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	90.240%
50) Toluene-d8	8.647	98	336669	44.187	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	=	88.380%#
62) 4-Bromofluorobenzene	11.079	95	133062	46.066	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	92.140%
Target Compounds						
					Qvalue	
5) Bromomethane	1.575	94	35	Below Cal	#	3
6) Chloroethane	1.691	64	70	Below Cal	#	43
11) Tert butyl alcohol	2.946	59	151	Below Cal	#	78
16) Acetone	2.380	43	519	0.482	ug/l	92
20) Methylene Chloride	2.800	84	587	0.290	ug/l	# 63
31) Cyclohexane	5.556	56	3195	1.144	ug/l	# 23
36) 1,1-Dichloropropene	5.550	75	12445	4.526	ug/l	# 50
38) Carbon Tetrachloride	5.556	117	15808	5.844	ug/l	# 15
51) 4-Methyl-2-Pentanone	8.647	43	1248	0.371	ug/l	# 1
65) Chlorobenzene	10.079	112	7593	1.274	ug/l	97
76) 1,2,3-Trichloropropane	11.079	75	69745	19.844	ug/l	# 39
81) trans-1,4-Dichloro-2-b...	11.079	75	69745	57.302	ug/l	# 5
87) 1,3-Dichlorobenzene	11.975	146	1427	0.281	ug/l	88
88) 1,4-Dichlorobenzene	12.042	146	9039	1.741	ug/l	87
91) 1,2-Dichlorobenzene	12.341	146	3265	0.668	ug/l	93
93) 1,2,4-Trichlorobenzene	13.585	180	105710	32.249	ug/l	97
96) 1,2,3-Trichlorobenzene	13.963	180	27172	8.561	ug/l	97

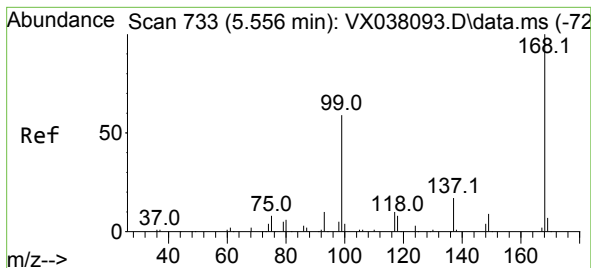
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Thu Oct 05 15:27:13 2023
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.556 min Scan# 71

Delta R.T. -0.000 min

Lab File: VX038474.D

Acq: 25 Oct 2023 13:01

Instrument :

MSVOA_X

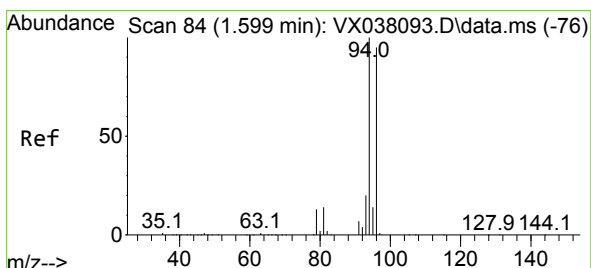
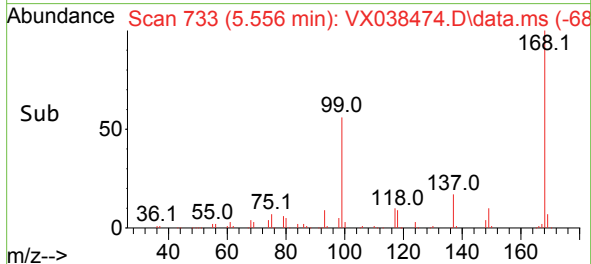
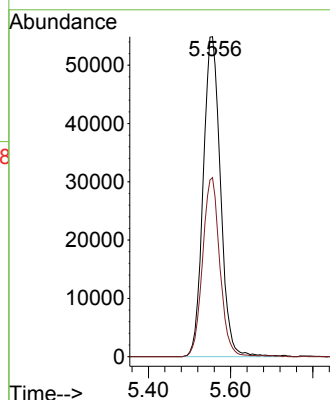
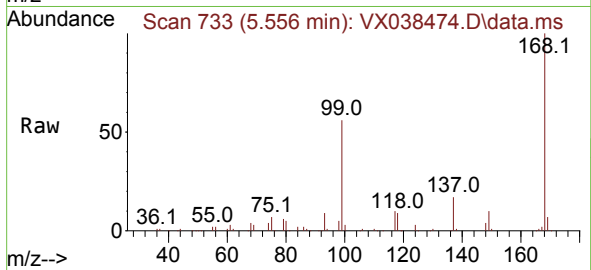
ClientSampleId :

Tgt Ion:168 Resp: 160312

Ion Ratio Lower Upper

168 100

99 55.9 56.6 85.0#



#5

Bromomethane

Concen: Below Cal

RT: 1.575 min Scan# 80

Delta R.T. -0.024 min

Lab File: VX038474.D

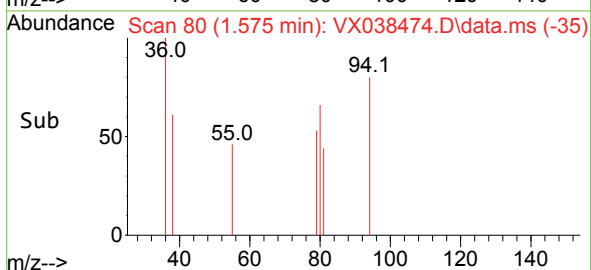
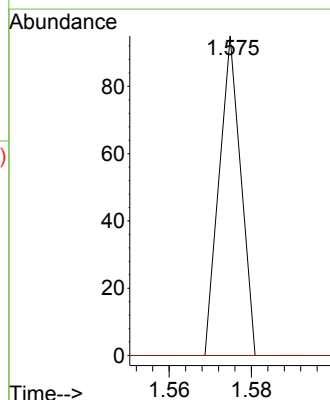
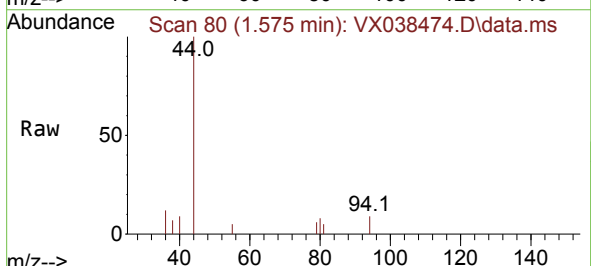
Acq: 25 Oct 2023 13:01

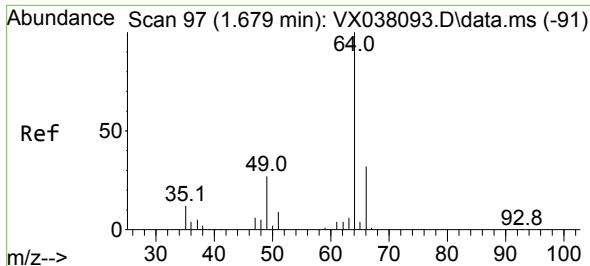
Tgt Ion: 94 Resp: 35

Ion Ratio Lower Upper

94 100

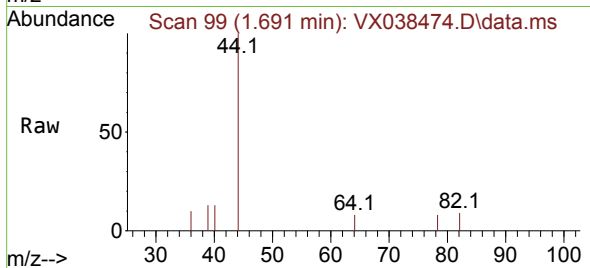
96 0.0 74.6 111.8#



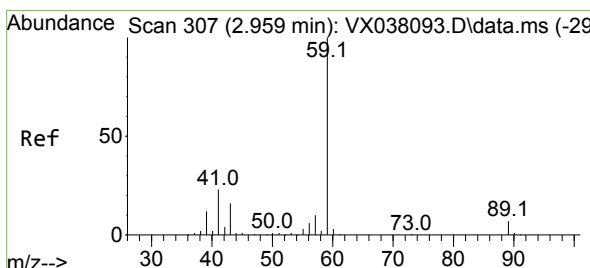
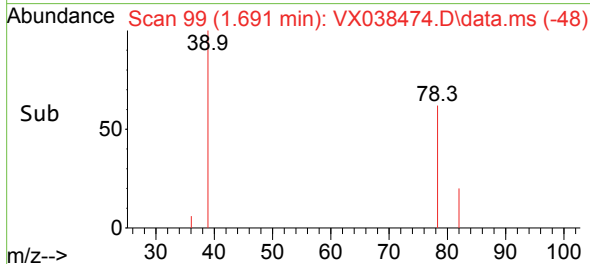
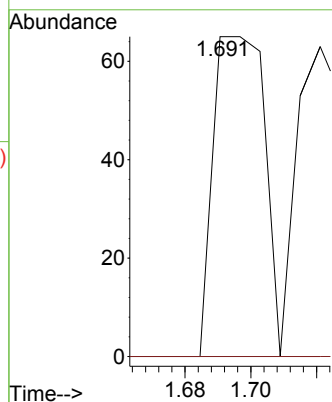


#6
Chloroethane
Concen: Below Cal
RT: 1.691 min Scan# 91
Delta R.T. 0.012 min
Lab File: VX038474.D
Acq: 25 Oct 2023 13:01

Instrument :
MSVOA_X
ClientSampleId :

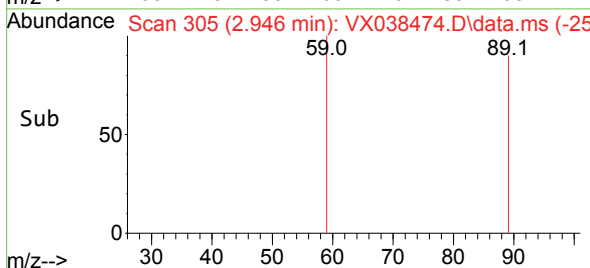
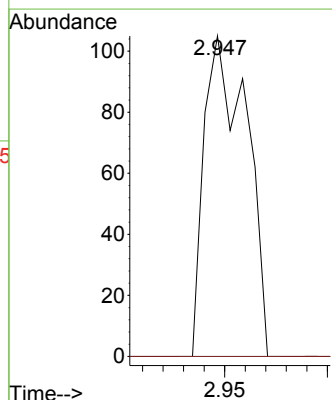
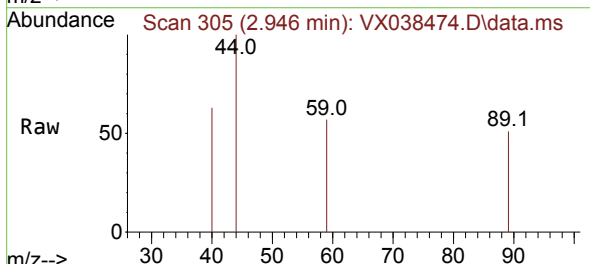


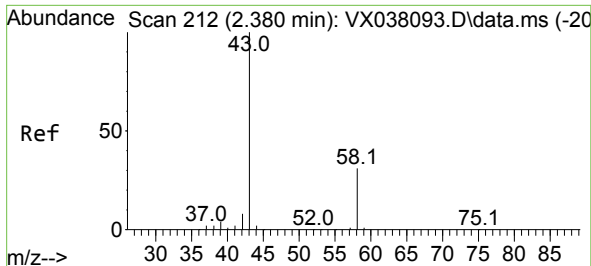
Tgt Ion: 64 Resp: 70
Ion Ratio Lower Upper
64 100
66 0.0 25.1 37.7#



#11
Tert butyl alcohol
Concen: Below Cal
RT: 2.946 min Scan# 305
Delta R.T. -0.013 min
Lab File: VX038474.D
Acq: 25 Oct 2023 13:01

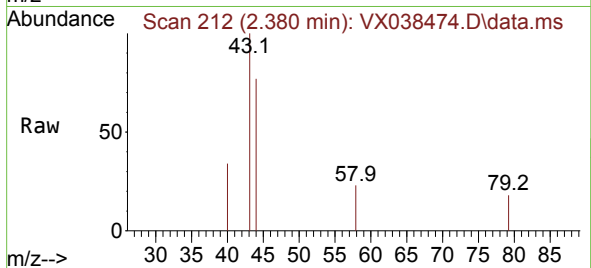
Tgt Ion: 59 Resp: 151
Ion Ratio Lower Upper
59 100
57 0.0 6.0 9.0#



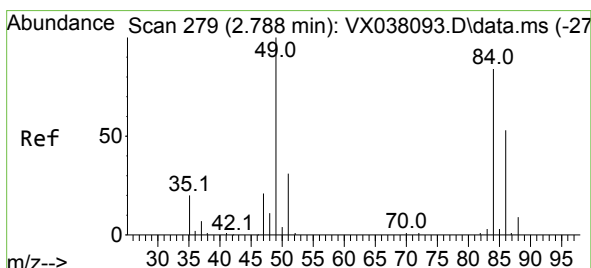
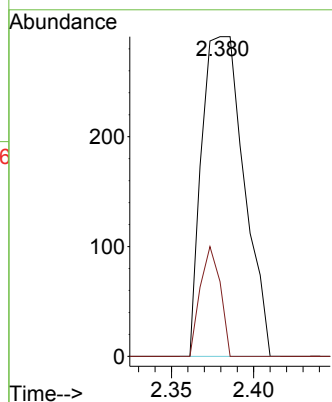
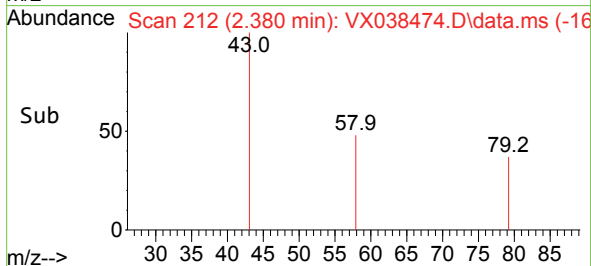


#16
Acetone
Concen: 0.482 ug/l
RT: 2.380 min Scan# 212
Delta R.T. -0.000 min
Lab File: VX038474.D
Acq: 25 Oct 2023 13:01

Instrument :
MSVOA_X
ClientSampleId :

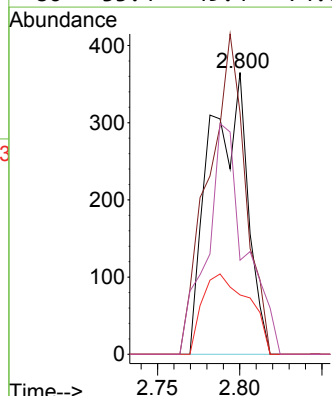
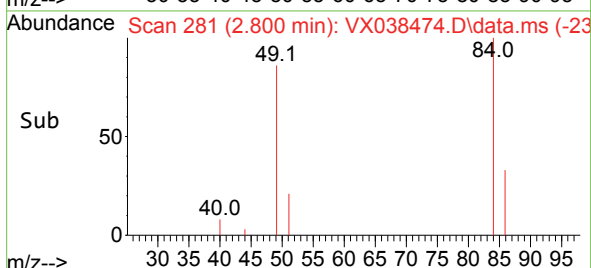
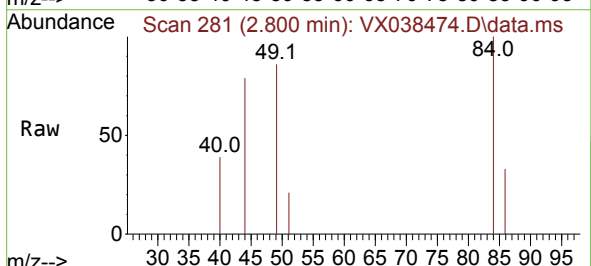


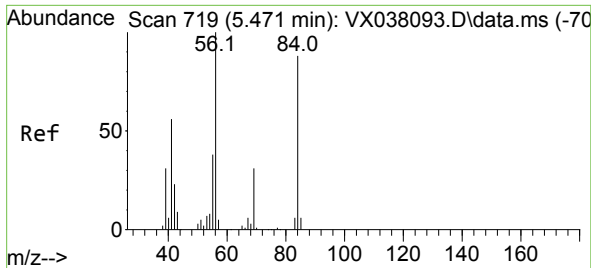
Tgt Ion: 43 Resp: 519
Ion Ratio Lower Upper
43 100
58 23.4 21.9 32.9



#20
Methylene Chloride
Concen: 0.290 ug/l
RT: 2.800 min Scan# 281
Delta R.T. 0.012 min
Lab File: VX038474.D
Acq: 25 Oct 2023 13:01

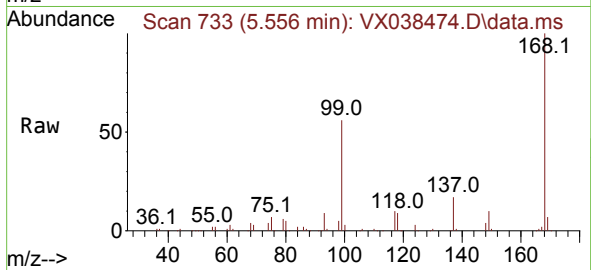
Tgt Ion: 84 Resp: 587
Ion Ratio Lower Upper
84 100
49 85.8 103.6 155.4#
51 21.1 33.8 50.6#
86 33.4 49.4 74.0#



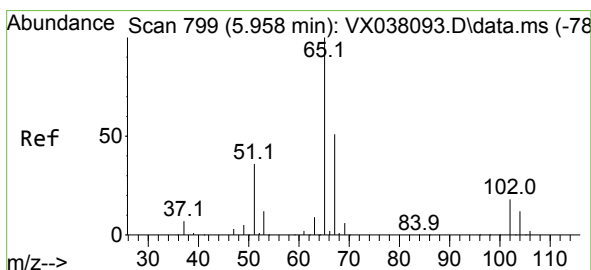
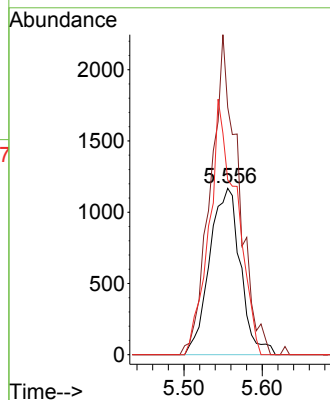
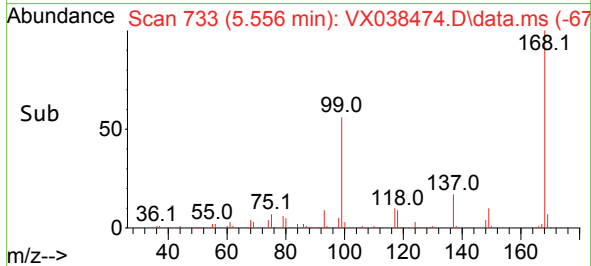


#31
Cyclohexane
Concen: 1.144 ug/l
RT: 5.556 min Scan# 719
Delta R.T. 0.085 min
Lab File: VX038474.D
Acq: 25 Oct 2023 13:01

Instrument :
MSVOA_X
ClientSampleId :

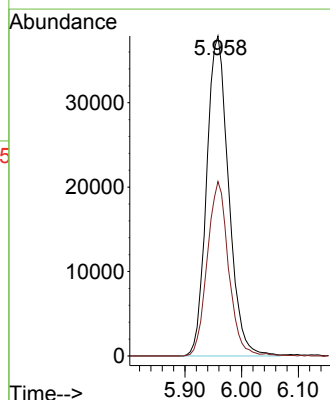
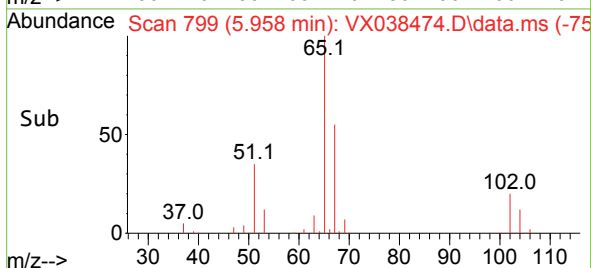
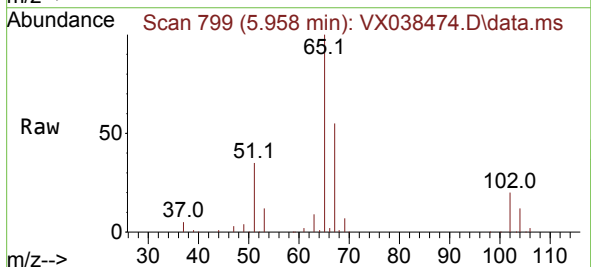


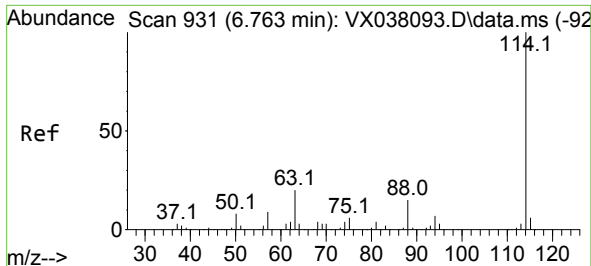
Tgt Ion: 56 Resp: 3195
Ion Ratio Lower Upper
56 100
69 148.6 23.4 35.2#
84 105.0 65.9 98.9#



#33
1,2-Dichloroethane-d4
Concen: 39.617 ug/l
RT: 5.958 min Scan# 799
Delta R.T. 0.000 min
Lab File: VX038474.D
Acq: 25 Oct 2023 13:01

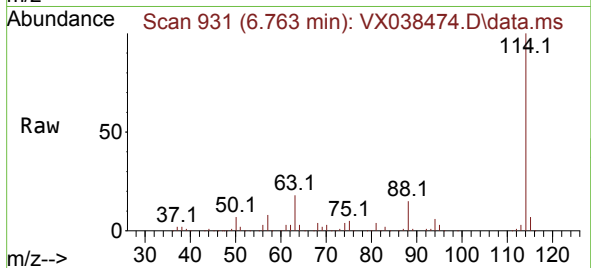
Tgt Ion: 65 Resp: 102153
Ion Ratio Lower Upper
65 100
67 52.9 0.0 100.2



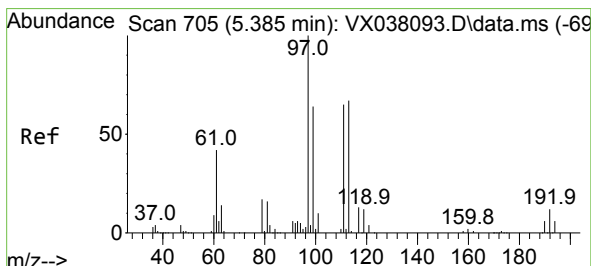
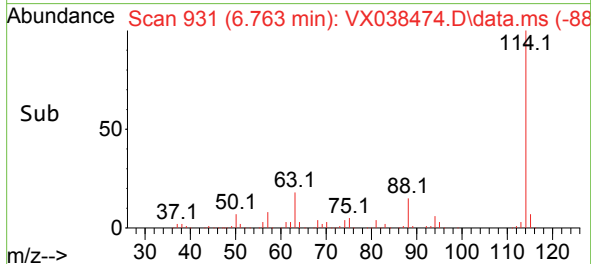
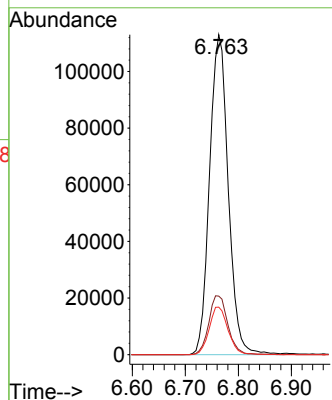


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.763 min Scan# 91
Delta R.T. -0.000 min
Lab File: VX038474.D
Acq: 25 Oct 2023 13:01

Instrument :
MSVOA_X
ClientSampleId :

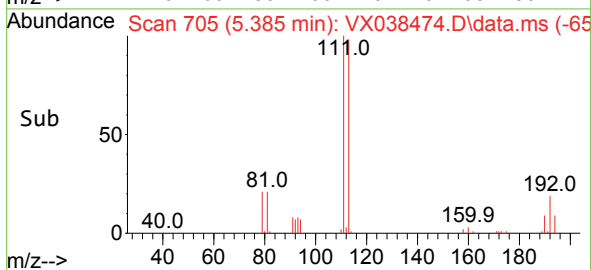
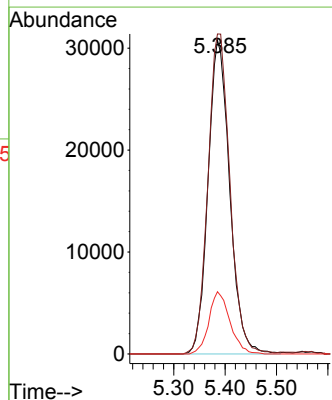
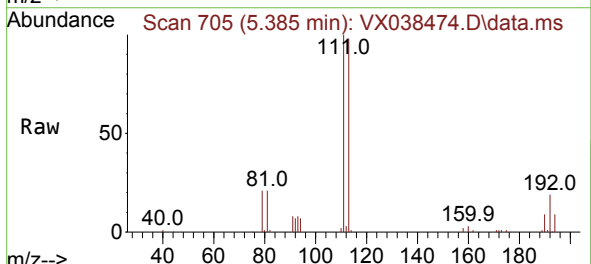


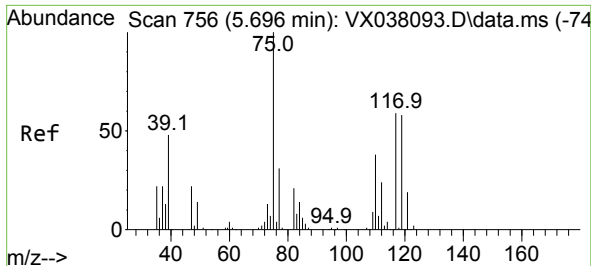
Tgt Ion:114 Resp: 276715
Ion Ratio Lower Upper
114 100
63 18.3 0.0 45.0
88 14.8 0.0 36.6



#35
Dibromofluoromethane
Concen: 45.125 ug/l
RT: 5.385 min Scan# 705
Delta R.T. 0.000 min
Lab File: VX038474.D
Acq: 25 Oct 2023 13:01

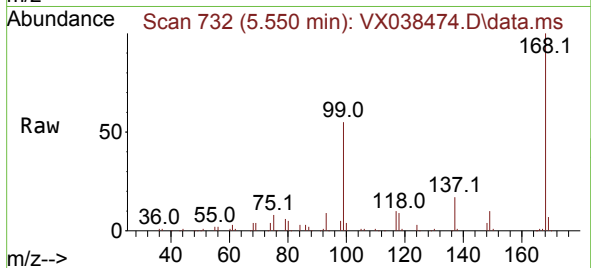
Tgt Ion:113 Resp: 89974
Ion Ratio Lower Upper
113 100
111 103.7 82.9 124.3
192 19.3 13.3 19.9



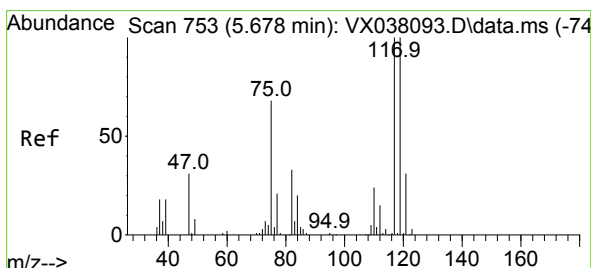
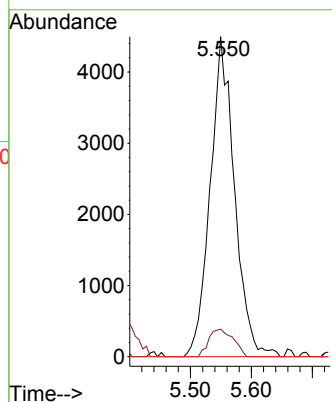
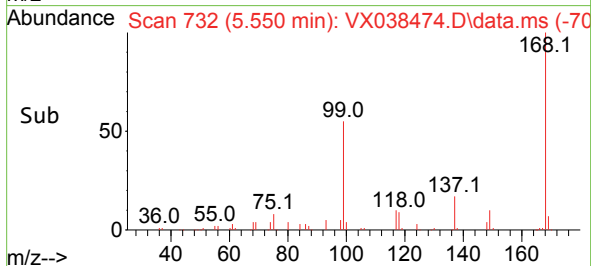


#36
1,1-Dichloropropene
Concen: 4.526 ug/l
RT: 5.550 min Scan# 71
Delta R.T. -0.140 min
Lab File: VX038474.D
Acq: 25 Oct 2023 13:01

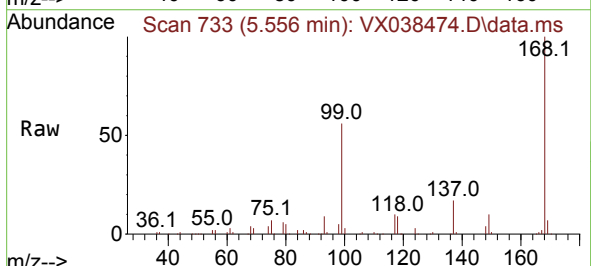
Instrument :
MSVOA_X
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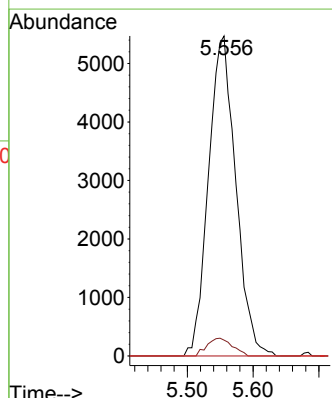
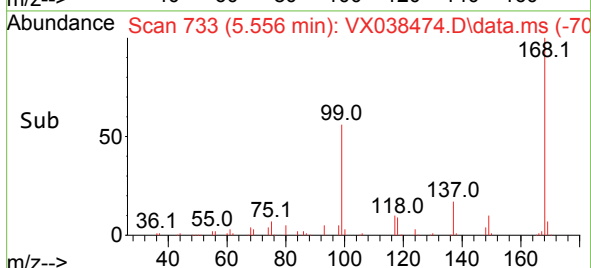
Tgt Ion: 75 Resp: 12445
Ion Ratio Lower Upper
75 100
110 8.7 17.0 50.9#
77 0.0 24.7 37.1#

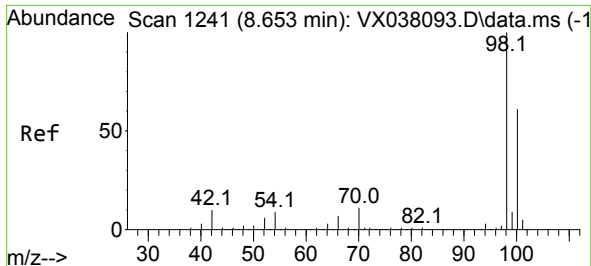


#38
Carbon Tetrachloride
Concen: 5.844 ug/l
RT: 5.556 min Scan# 733
Delta R.T. -0.122 min
Lab File: VX038474.D
Acq: 25 Oct 2023 13:01



Tgt Ion: 117 Resp: 15808
Ion Ratio Lower Upper
117 100
119 4.9 78.2 117.2#
121 0.0 24.4 36.6#

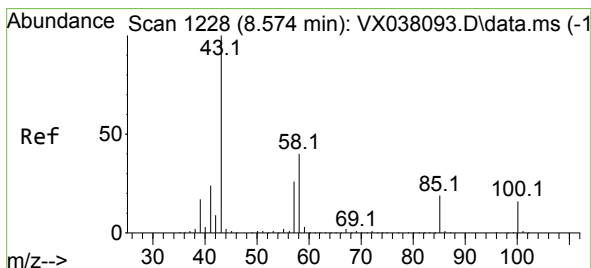
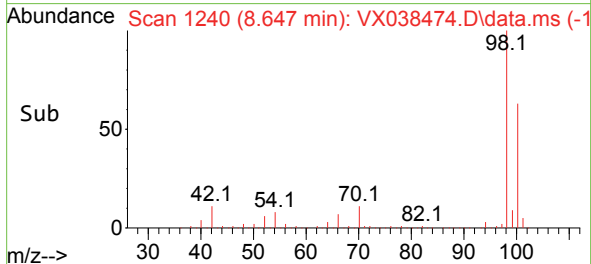
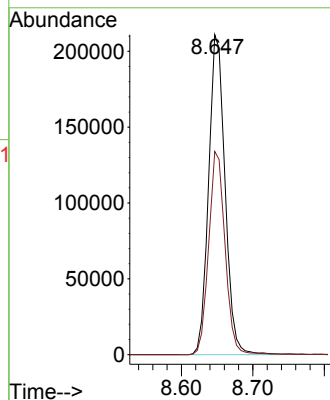
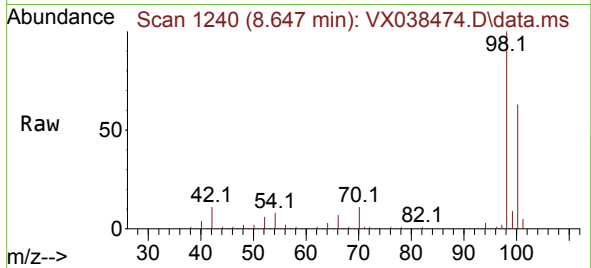




#50
Toluene-d8
Concen: 44.187 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. -0.006 min
Lab File: VX038474.D
Acq: 25 Oct 2023 13:01

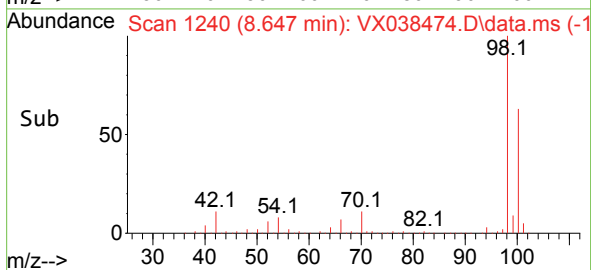
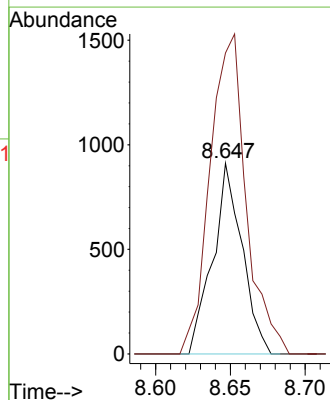
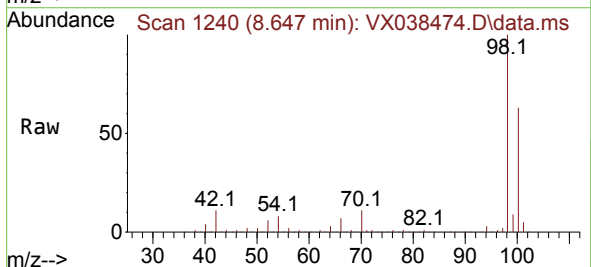
Instrument :
MSVOA_X
ClientSampleId :

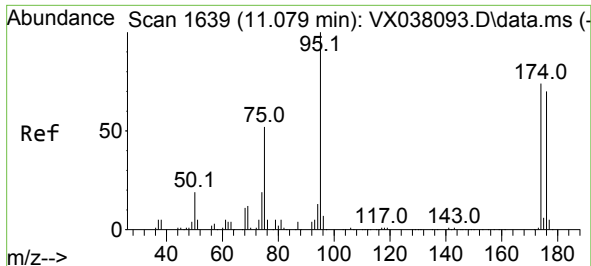
Tgt Ion: 98 Resp: 336669
Ion Ratio Lower Upper
98 100
100 63.7 53.1 79.7



#51
4-Methyl-2-Pentanone
Concen: 0.371 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. 0.073 min
Lab File: VX038474.D
Acq: 25 Oct 2023 13:01

Tgt Ion: 43 Resp: 1248
Ion Ratio Lower Upper
43 100
58 205.7 30.4 45.6#

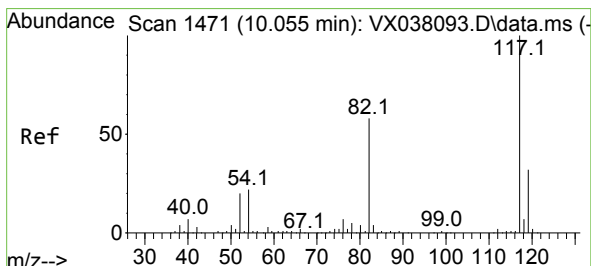
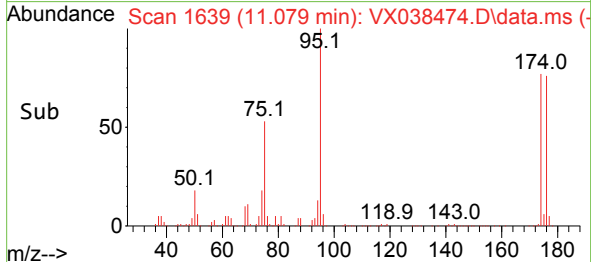
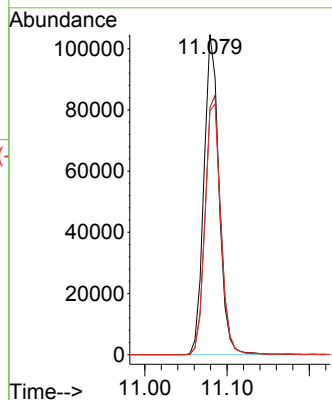
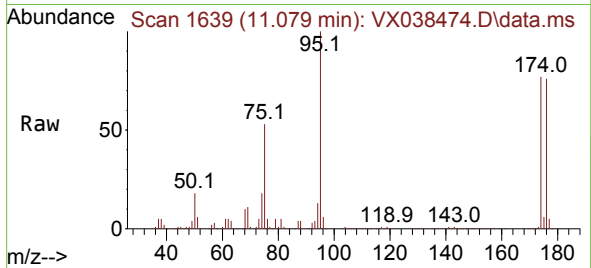




#62
4-Bromofluorobenzene
Concen: 46.066 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.000 min
Lab File: VX038474.D
Acq: 25 Oct 2023 13:01

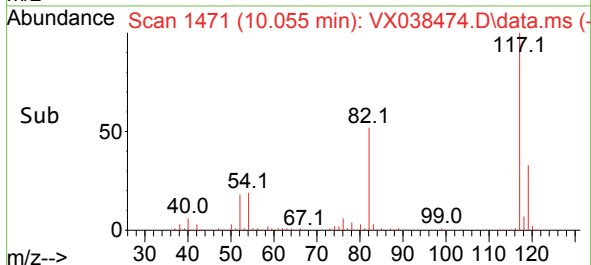
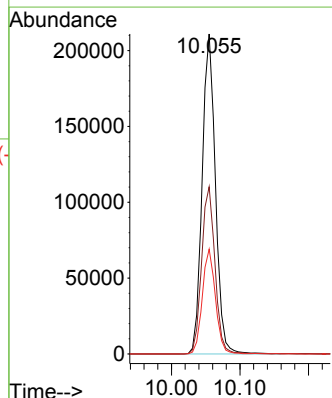
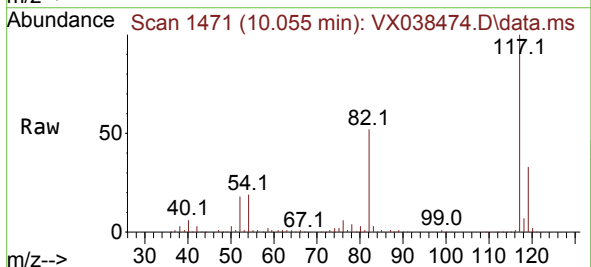
Instrument :
MSVOA_X
ClientSampleId :

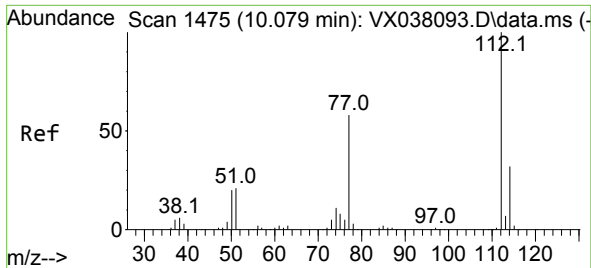
Tgt Ion: 95 Resp: 133062
Ion Ratio Lower Upper
95 100
174 84.3 0.0 135.6
176 82.3 0.0 131.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. -0.000 min
Lab File: VX038474.D
Acq: 25 Oct 2023 13:01

Tgt Ion: 117 Resp: 284708
Ion Ratio Lower Upper
117 100
82 52.3 46.2 69.4
119 32.8 25.5 38.3

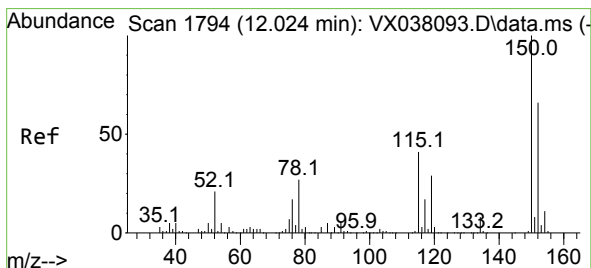
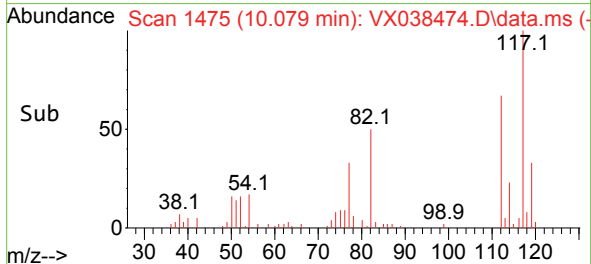
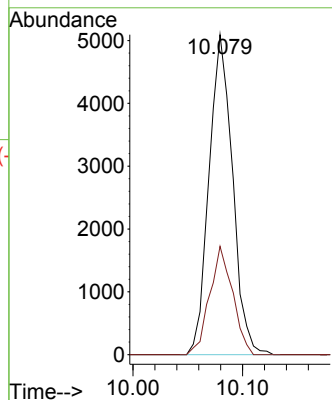
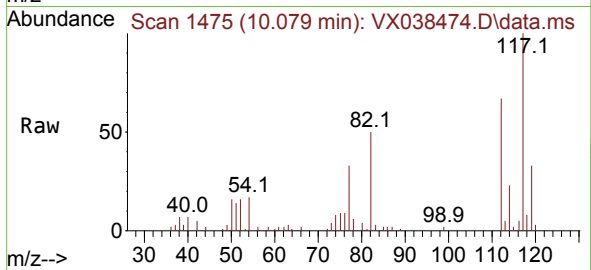




#65
Chlorobenzene
Concen: 1.274 ug/l
RT: 10.079 min Scan# 1475
Delta R.T. 0.000 min
Lab File: VX038474.D
Acq: 25 Oct 2023 13:01

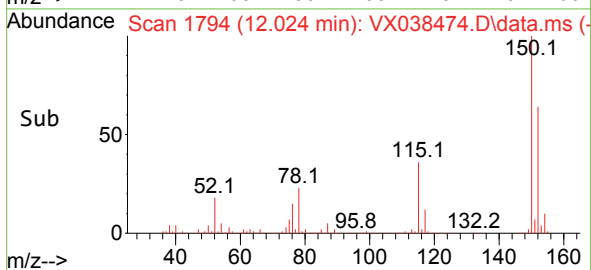
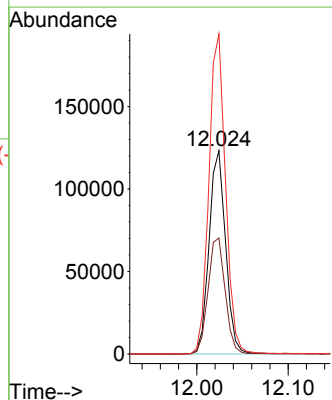
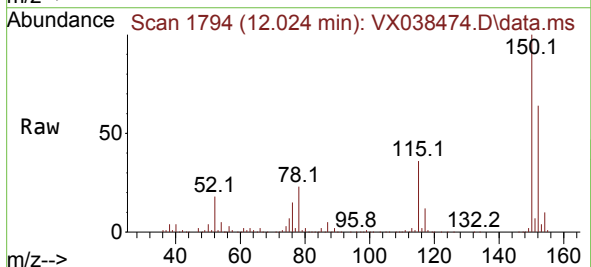
Instrument :
MSVOA_X
ClientSampleId :

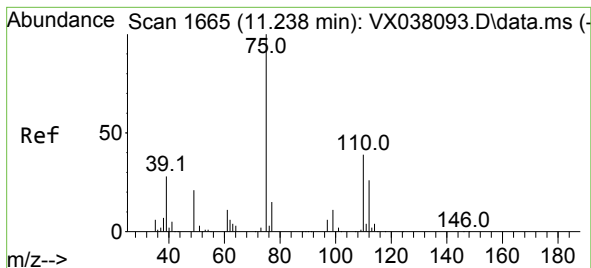
Tgt Ion:112 Resp: 7593
Ion Ratio Lower Upper
112 100
114 33.9 25.7 38.5



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. 0.000 min
Lab File: VX038474.D
Acq: 25 Oct 2023 13:01

Tgt Ion:152 Resp: 154604
Ion Ratio Lower Upper
152 100
115 59.2 43.3 129.9
150 158.1 0.0 345.0

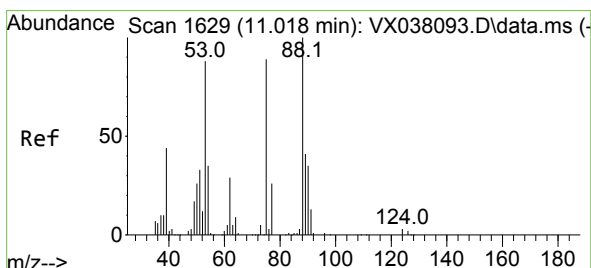
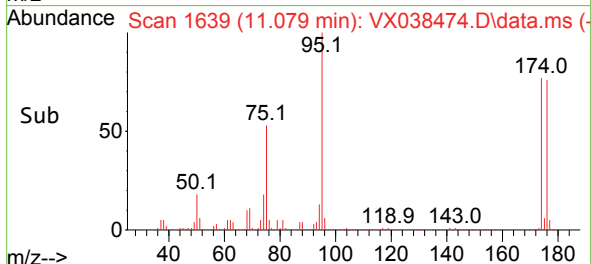
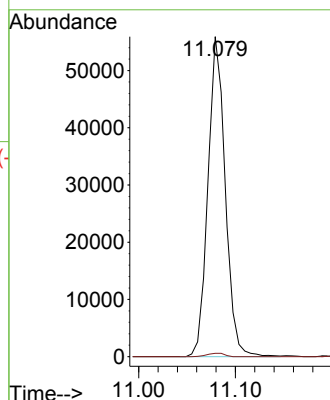
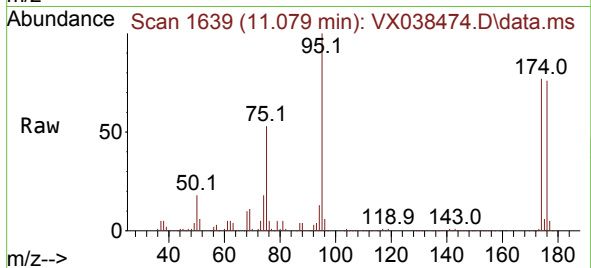




#76
1,2,3-Trichloropropane
Concen: 19.844 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.159 min
Lab File: VX038474.D
Acq: 25 Oct 2023 13:01

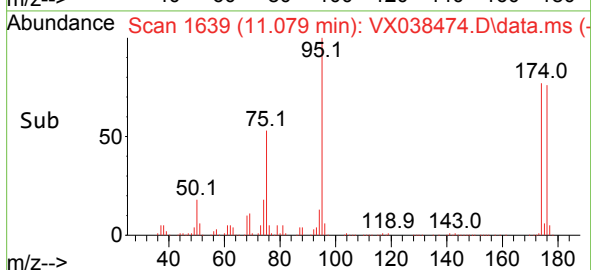
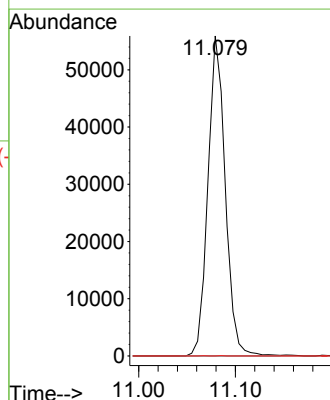
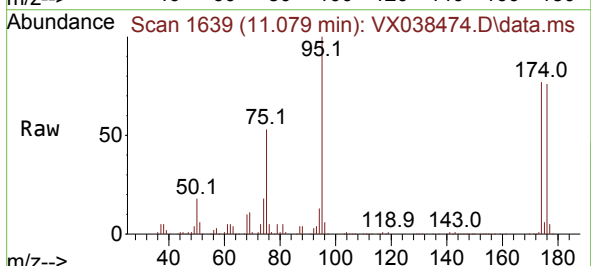
Instrument :
MSVOA_X
ClientSampleId :

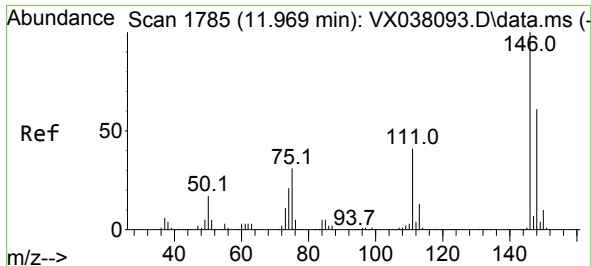
Tgt Ion: 75 Resp: 69745
Ion Ratio Lower Upper
75 100
77 1.1 19.1 57.5#



#81
trans-1,4-Dichloro-2-butene
Concen: 57.302 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.061 min
Lab File: VX038474.D
Acq: 25 Oct 2023 13:01

Tgt Ion: 75 Resp: 69745
Ion Ratio Lower Upper
75 100
53 0.0 90.5 135.7#
89 0.0 36.9 55.3#





#87

1,3-Dichlorobenzene

Concen: 0.281 ug/l

RT: 11.975 min Scan# 1786

Delta R.T. 0.006 min

Lab File: VX038474.D

Acq: 25 Oct 2023 13:01

Instrument :

MSVOA_X

ClientSampleId :

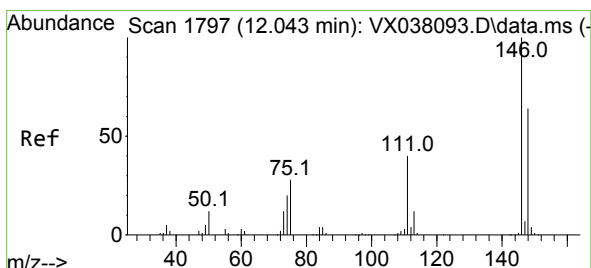
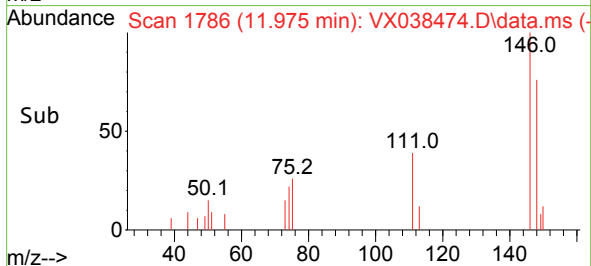
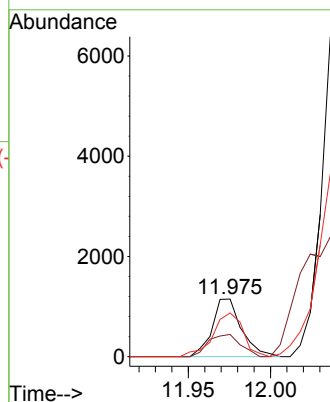
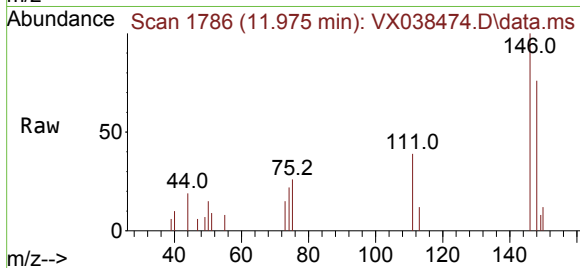
Tgt Ion:146 Resp: 1427

Ion Ratio Lower Upper

146 100

111 42.4 22.1 66.1

148 77.6 31.8 95.3



#88

1,4-Dichlorobenzene

Concen: 1.741 ug/l

RT: 12.042 min Scan# 1797

Delta R.T. -0.001 min

Lab File: VX038474.D

Acq: 25 Oct 2023 13:01

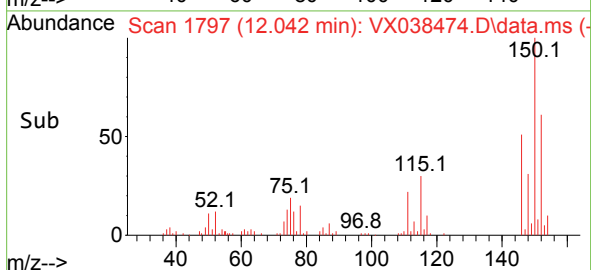
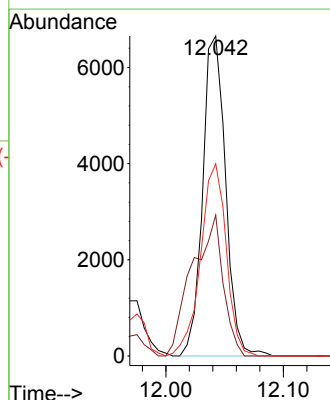
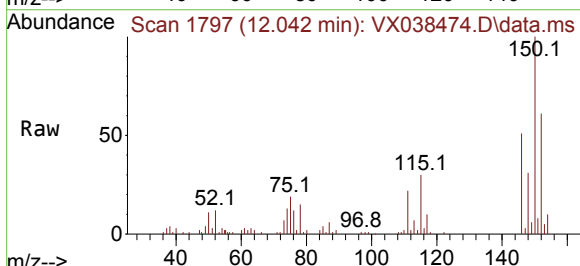
Tgt Ion:146 Resp: 9039

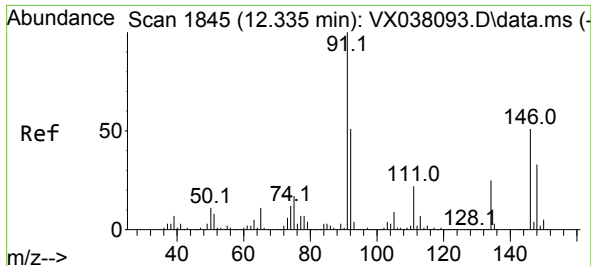
Ion Ratio Lower Upper

146 100

111 59.3 21.3 63.7

148 67.3 31.8 95.4

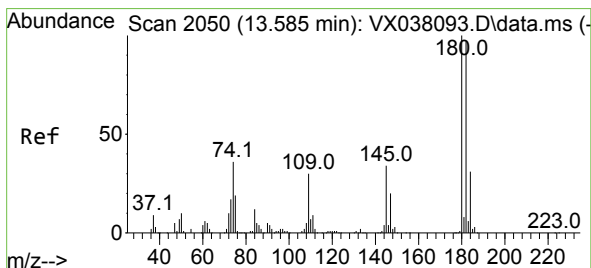
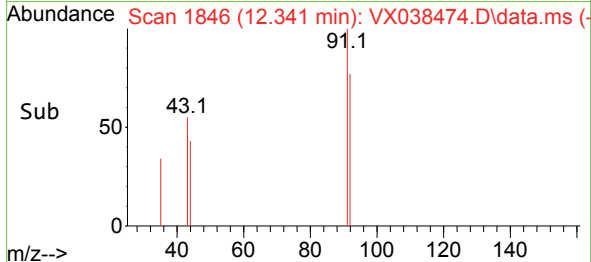
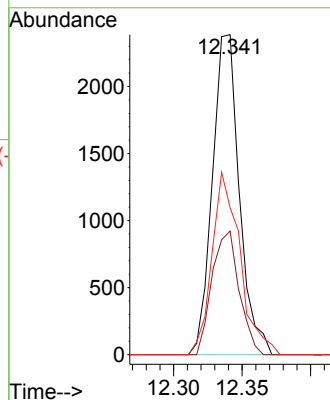
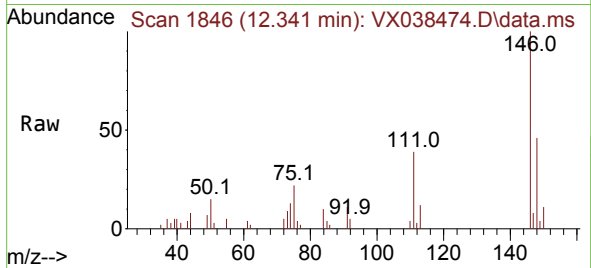




#91
 1,2-Dichlorobenzene
 Concen: 0.668 ug/l
 RT: 12.341 min Scan# 1845
 Delta R.T. 0.006 min
 Lab File: VX038474.D
 Acq: 25 Oct 2023 13:01

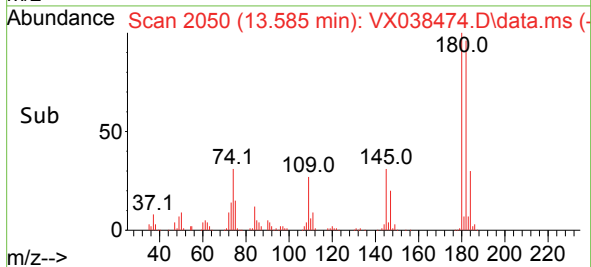
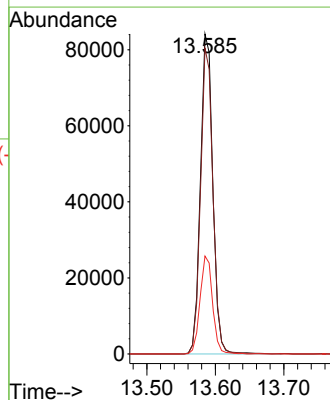
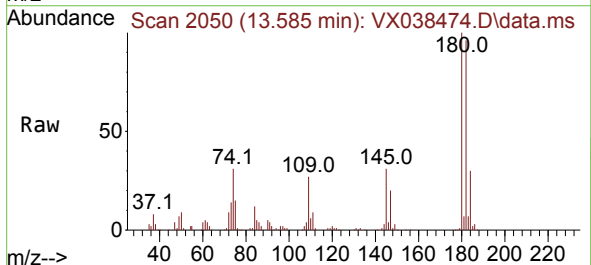
Instrument :
 MSVOA_X
 ClientSampleId :

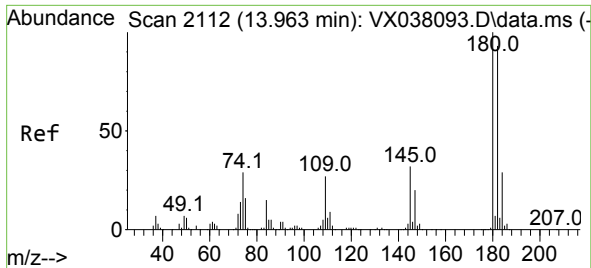
Tgt Ion:146 Resp: 3265
 Ion Ratio Lower Upper
 146 100
 111 38.9 22.4 67.0
 148 59.4 31.6 95.0



#93
 1,2,4-Trichlorobenzene
 Concen: 32.249 ug/l
 RT: 13.585 min Scan# 2050
 Delta R.T. -0.000 min
 Lab File: VX038474.D
 Acq: 25 Oct 2023 13:01

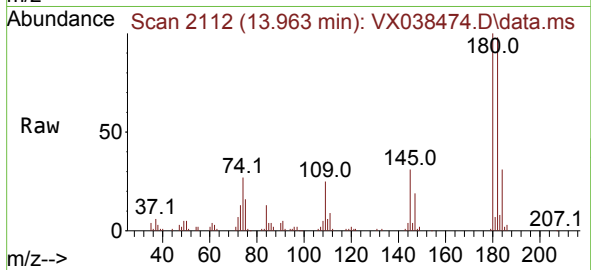
Tgt Ion:180 Resp: 105710
 Ion Ratio Lower Upper
 180 100
 182 95.6 48.3 144.8
 145 31.0 18.0 54.0





#96
 1,2,3-Trichlorobenzene
 Concen: 8.561 ug/l
 RT: 13.963 min Scan# 2112
 Delta R.T. -0.000 min
 Lab File: VX038474.D
 Acq: 25 Oct 2023 13:01

Instrument :
 MSVOA_X
 ClientSampleId :



Tgt Ion:180 Resp: 27172
 Ion Ratio Lower Upper
 180 100
 182 96.2 46.9 140.6
 145 32.5 17.8 53.5

