

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX102523\
 Data File : VX038473.D
 Acq On : 25 Oct 2023 12:38
 Operator : JC/MD
 Sample : 05007-16DL 50X
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Oct 26 04:03:08 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)

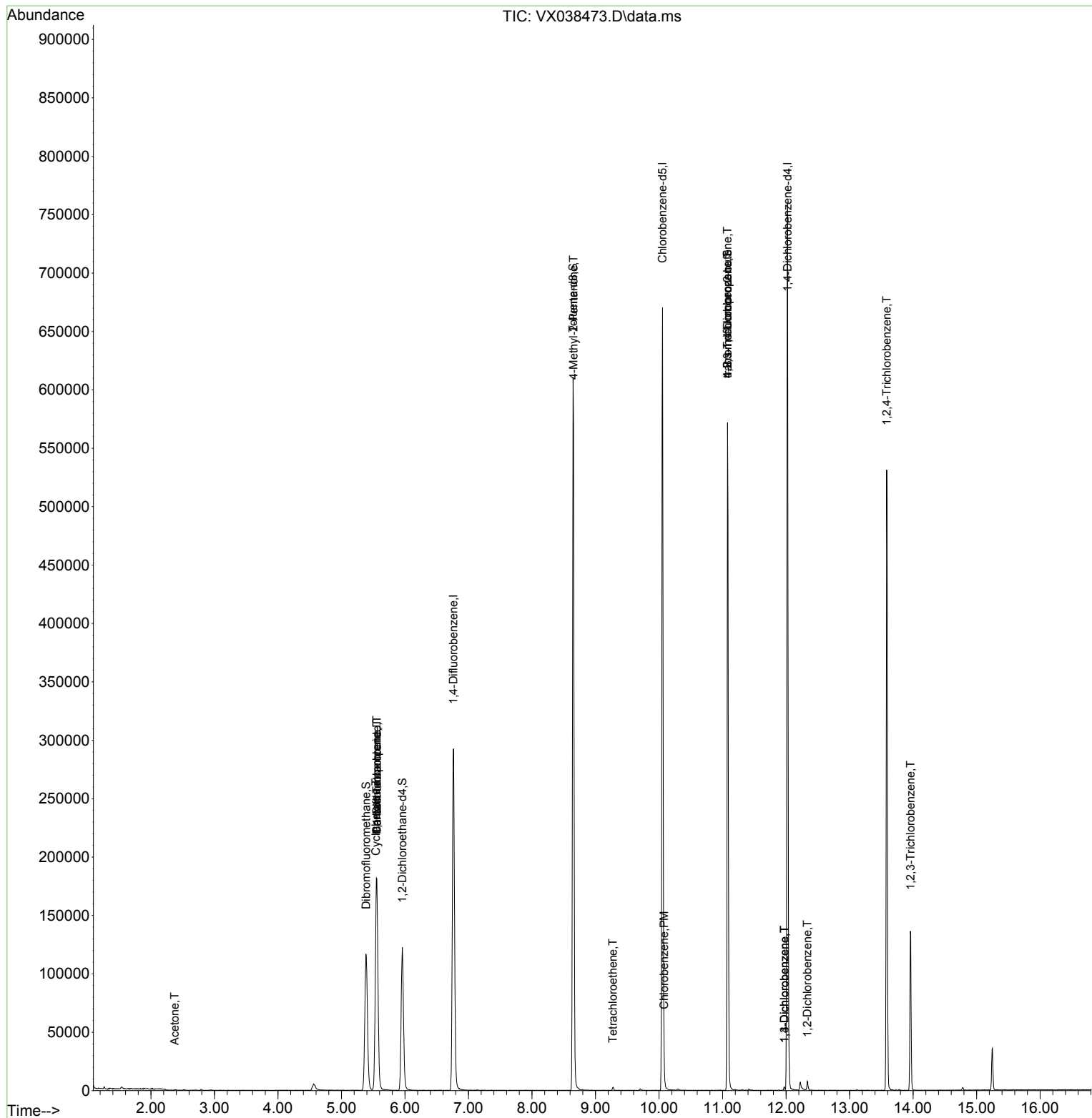
Internal Standards						
1) Pentafluorobenzene	5.556	168	179680	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	6.763	114	313904	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	311777	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	164957	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	114169	39.504	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	=	79.000%
35) Dibromofluoromethane	5.385	113	102237	45.200	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	90.400%
50) Toluene-d8	8.647	98	376664	43.579	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	=	87.160%#
62) 4-Bromofluorobenzene	11.079	95	148157	45.215	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	90.420%
Target Compounds						
					Qvalue	
5) Bromomethane	1.605	94	19	Below Cal	#	3
6) Chloroethane	1.654	64	80	Below Cal	#	43
11) Tert butyl alcohol	2.946	59	217	Below Cal	#	78
16) Acetone	2.373	43	456	0.378	ug/l	# 47
31) Cyclohexane	5.544	56	3674	1.173	ug/l	# 1
36) 1,1-Dichloropropene	5.556	75	13686	4.388	ug/l	# 51
38) Carbon Tetrachloride	5.556	117	17652	5.753	ug/l	# 17
51) 4-Methyl-2-Pentanone	8.653	43	1490	0.391	ug/l	# 1
64) Tetrachloroethene	9.275	164	525	0.260	ug/l	86
65) Chlorobenzene	10.079	112	3070	0.471	ug/l	100
76) 1,2,3-Trichloropropane	11.079	75	74648	19.906	ug/l	# 39
81) trans-1,4-Dichloro-2-b...	11.079	75	74648	57.468	ug/l	# 5
87) 1,3-Dichlorobenzene	11.975	146	1161	0.214	ug/l	91
88) 1,4-Dichlorobenzene	11.975	146	1161	0.210	ug/l	93
91) 1,2-Dichlorobenzene	12.335	146	2368	0.454	ug/l	93
93) 1,2,4-Trichlorobenzene	13.585	180	122980	35.163	ug/l	97
96) 1,2,3-Trichlorobenzene	13.963	180	33573	9.914	ug/l	97

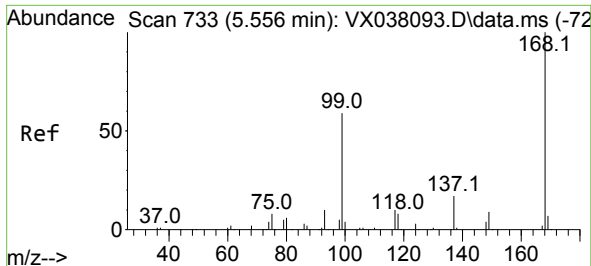
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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MSVOA_X
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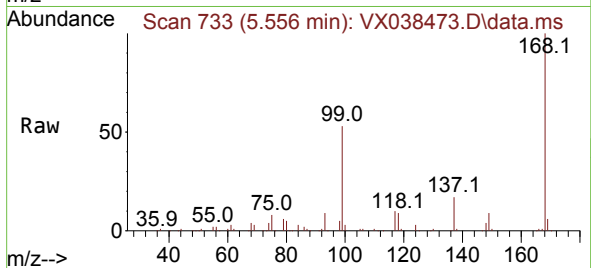
Quant Time: Oct 26 04:03:08 2023
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X100523W.M
Quant Title : SW846 8260
QLast Update : Thu Oct 05 15:27:13 2023
Response via : Initial Calibration



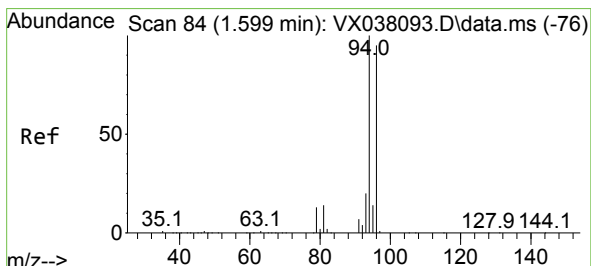
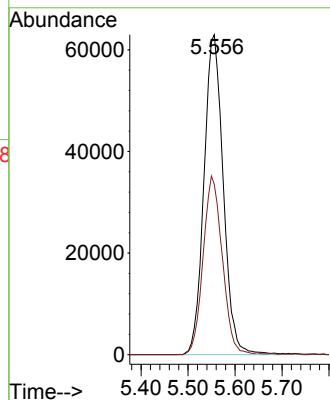
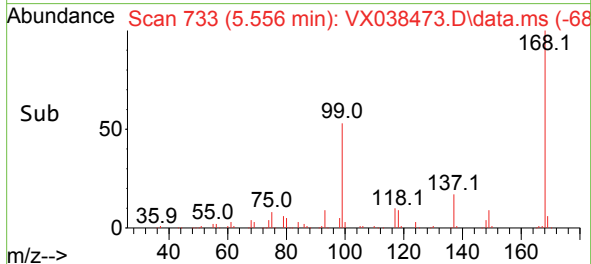


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.556 min Scan# 71
Delta R.T. -0.000 min
Lab File: VX038473.D
Acq: 25 Oct 2023 12:38

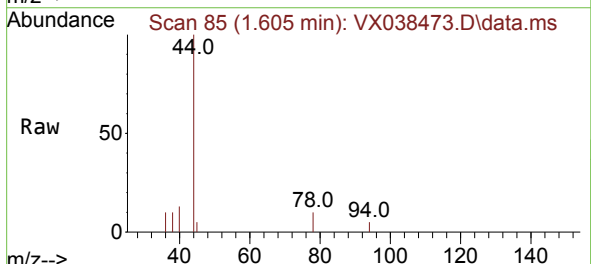
Instrument :
MSVOA_X
ClientSampleId :



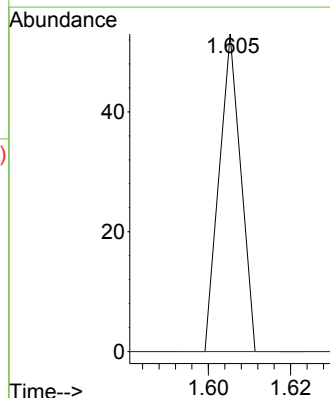
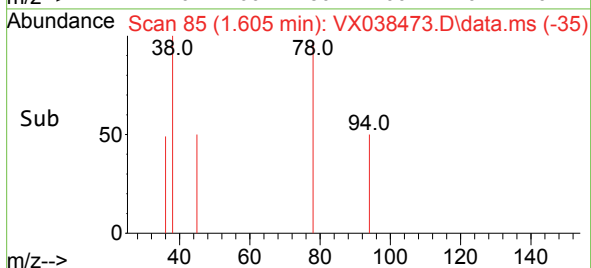
Tgt Ion:168 Resp: 179680
Ion Ratio Lower Upper
168 100
99 53.2 56.6 85.0#

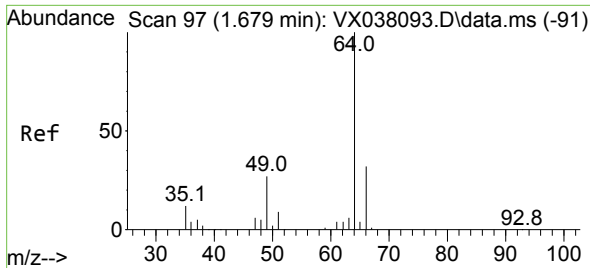


#5
Bromomethane
Concen: Below Cal
RT: 1.605 min Scan# 85
Delta R.T. 0.006 min
Lab File: VX038473.D
Acq: 25 Oct 2023 12:38



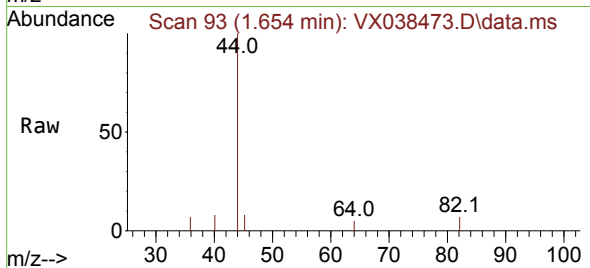
Tgt Ion: 94 Resp: 19
Ion Ratio Lower Upper
94 100
96 0.0 74.6 111.8#



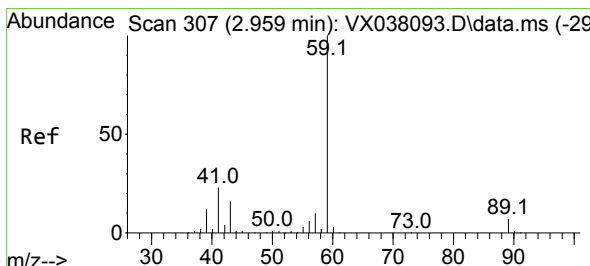
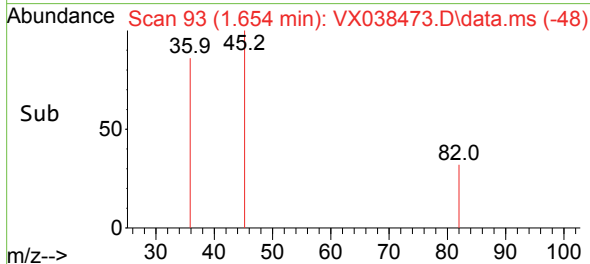
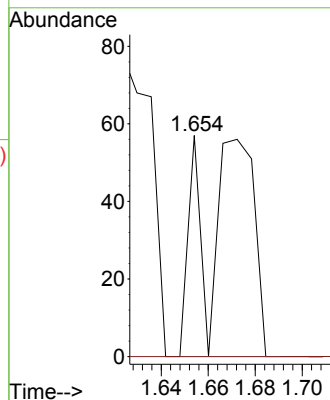


#6
Chloroethane
Concen: Below Cal
RT: 1.654 min Scan# 91
Delta R.T. -0.025 min
Lab File: VX038473.D
Acq: 25 Oct 2023 12:38

Instrument :
MSVOA_X
ClientSampleId :

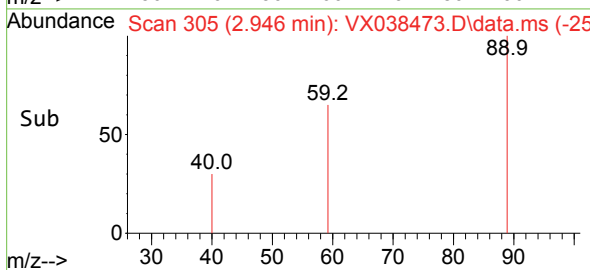
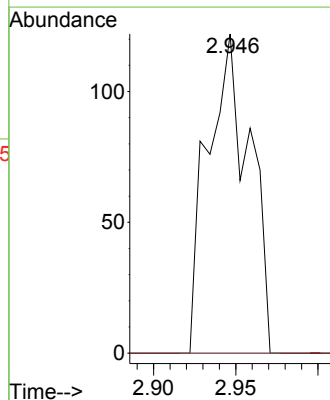
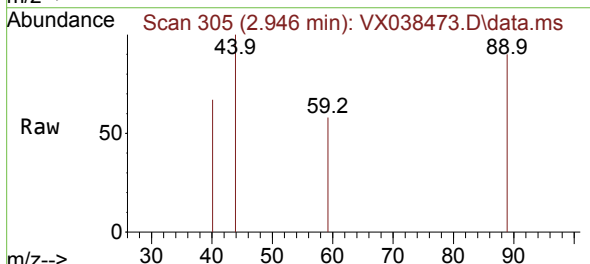


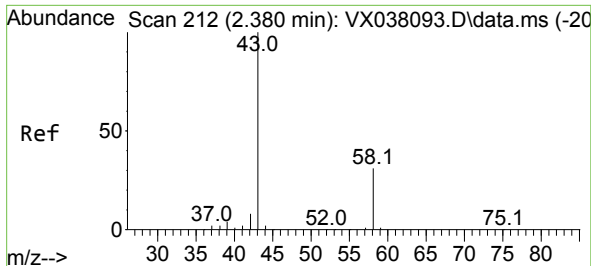
Tgt Ion: 64 Resp: 80
Ion Ratio Lower Upper
64 100
66 0.0 25.1 37.7#



#11
Tert butyl alcohol
Concen: Below Cal
RT: 2.946 min Scan# 305
Delta R.T. -0.013 min
Lab File: VX038473.D
Acq: 25 Oct 2023 12:38

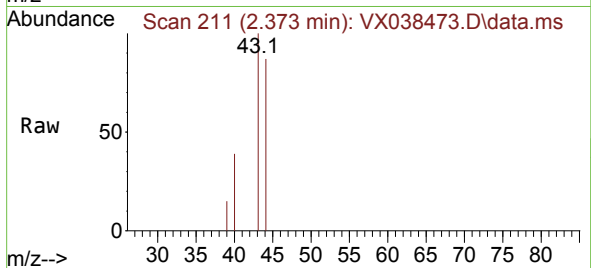
Tgt Ion: 59 Resp: 217
Ion Ratio Lower Upper
59 100
57 0.0 6.0 9.0#



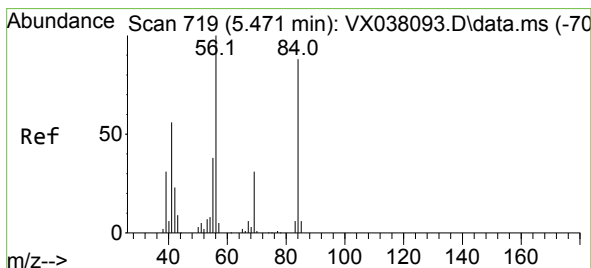
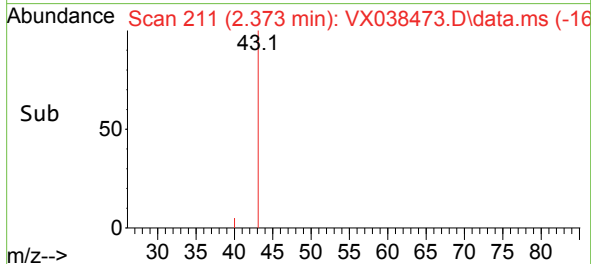
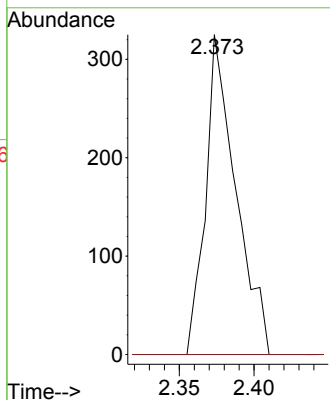


#16
Acetone
Concen: 0.378 ug/l
RT: 2.373 min Scan# 212
Delta R.T. -0.007 min
Lab File: VX038473.D
Acq: 25 Oct 2023 12:38

Instrument :
MSVOA_X
ClientSampleId :

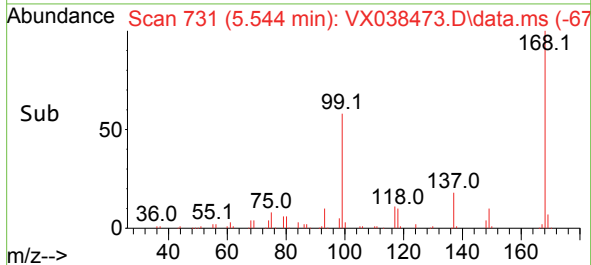
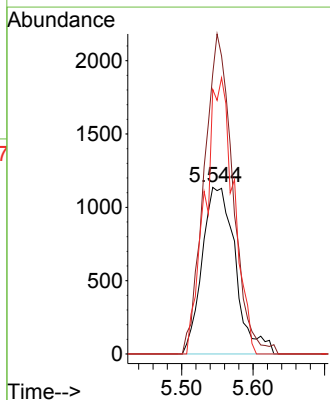
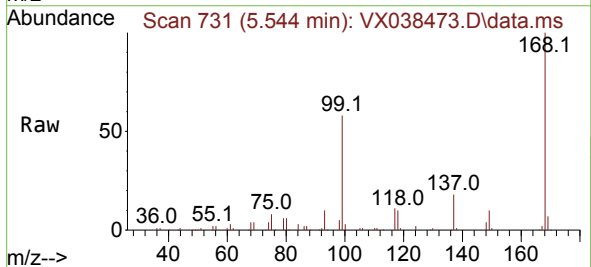


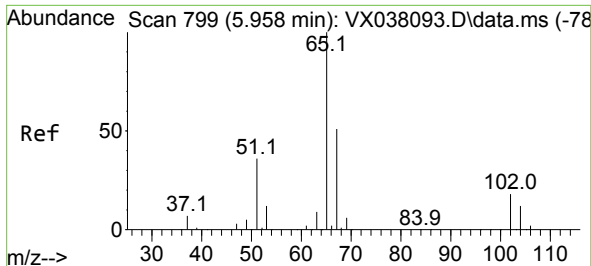
Tgt Ion: 43 Resp: 456
Ion Ratio Lower Upper
43 100
58 0.0 21.9 32.9#



#31
Cyclohexane
Concen: 1.173 ug/l
RT: 5.544 min Scan# 731
Delta R.T. 0.073 min
Lab File: VX038473.D
Acq: 25 Oct 2023 12:38

Tgt Ion: 56 Resp: 3674
Ion Ratio Lower Upper
56 100
69 168.3 23.4 35.2#
84 158.7 65.9 98.9#

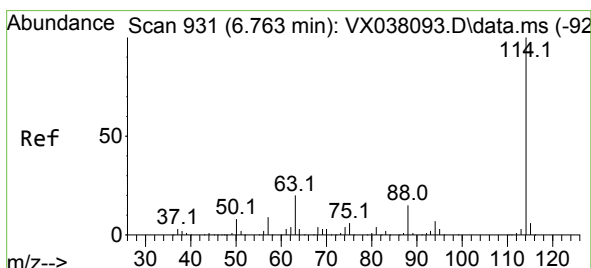
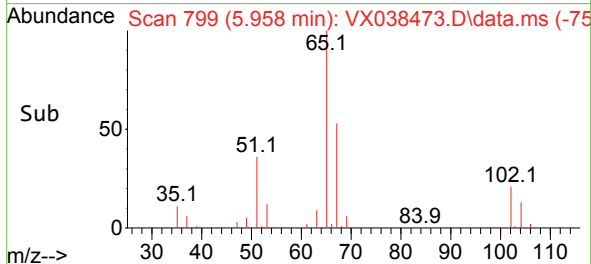
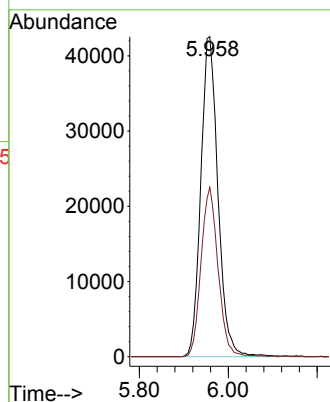
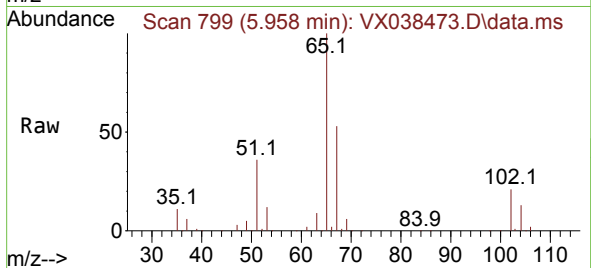




#33
 1,2-Dichloroethane-d4
 Concen: 39.504 ug/l
 RT: 5.958 min Scan# 799
 Delta R.T. 0.000 min
 Lab File: VX038473.D
 Acq: 25 Oct 2023 12:38

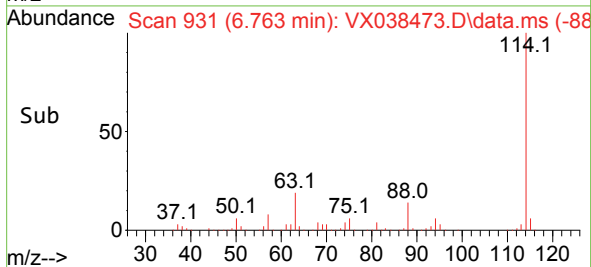
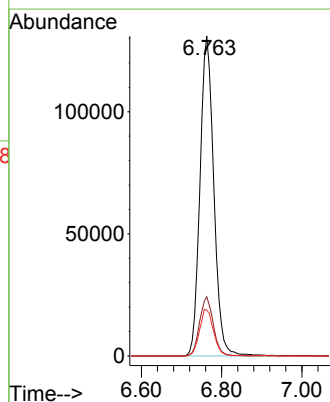
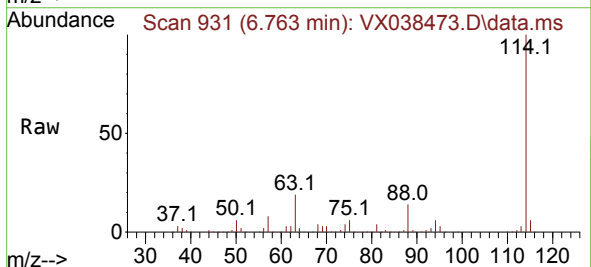
Instrument :
 MSVOA_X
 ClientSampleId :

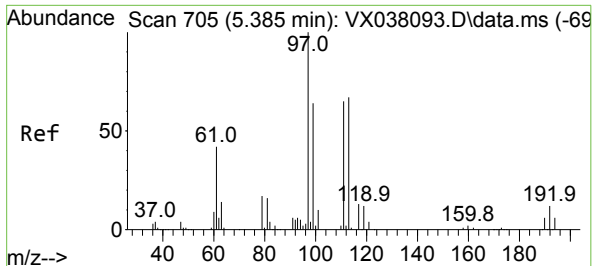
Tgt Ion: 65 Resp: 114169
 Ion Ratio Lower Upper
 65 100
 67 52.6 0.0 100.2



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.763 min Scan# 931
 Delta R.T. -0.000 min
 Lab File: VX038473.D
 Acq: 25 Oct 2023 12:38

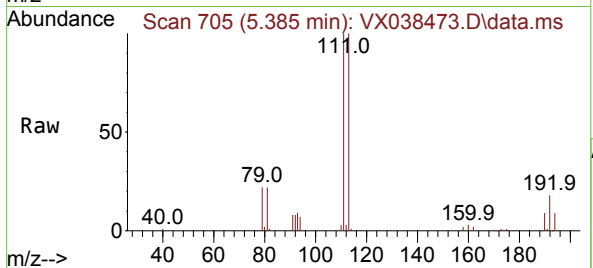
Tgt Ion:114 Resp: 313904
 Ion Ratio Lower Upper
 114 100
 63 18.5 0.0 45.0
 88 14.3 0.0 36.6



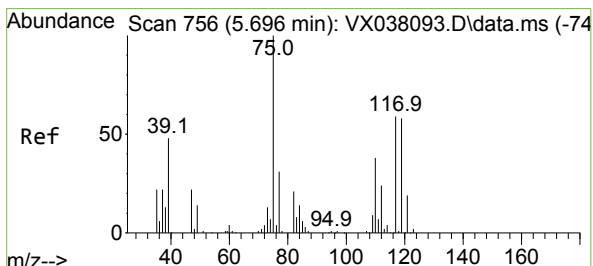
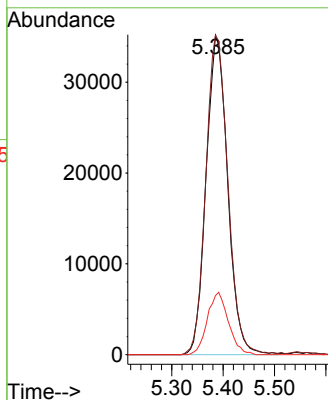
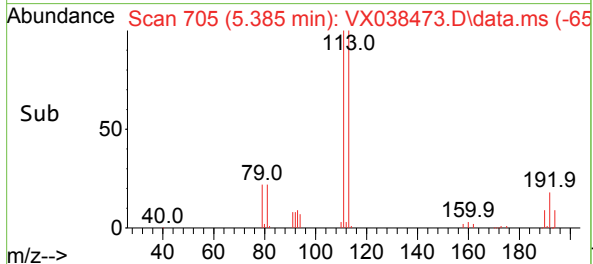


#35
Dibromofluoromethane
Concen: 45.200 ug/l
RT: 5.385 min Scan# 705
Delta R.T. 0.000 min
Lab File: VX038473.D
Acq: 25 Oct 2023 12:38

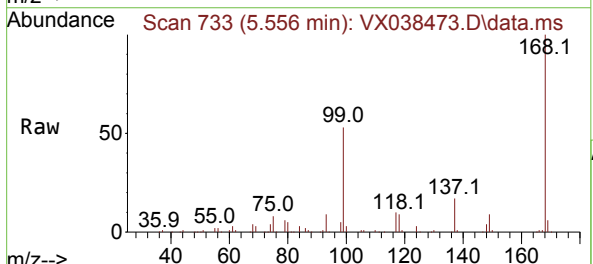
Instrument :
MSVOA_X
ClientSampleId :



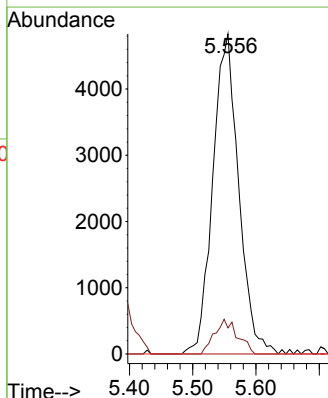
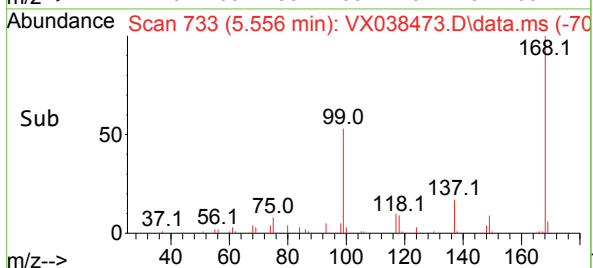
Tgt Ion:113 Resp: 102237
Ion Ratio Lower Upper
113 100
111 102.6 82.9 124.3
192 19.1 13.3 19.9

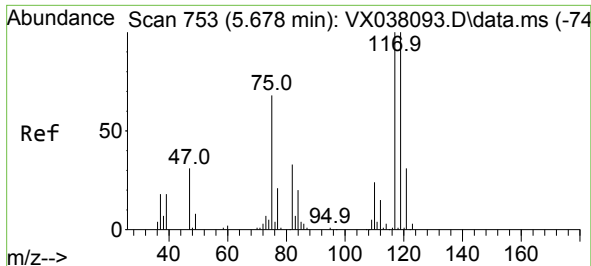


#36
1,1-Dichloropropene
Concen: 4.388 ug/l
RT: 5.556 min Scan# 733
Delta R.T. -0.134 min
Lab File: VX038473.D
Acq: 25 Oct 2023 12:38



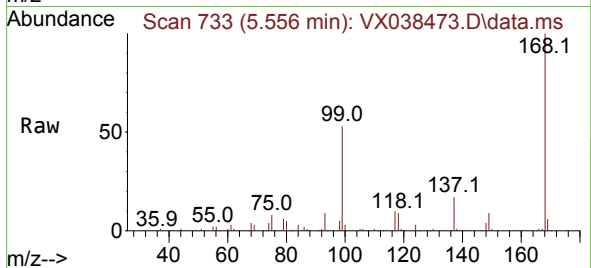
Tgt Ion: 75 Resp: 13686
Ion Ratio Lower Upper
75 100
110 9.6 17.0 50.9#
77 0.0 24.7 37.1#



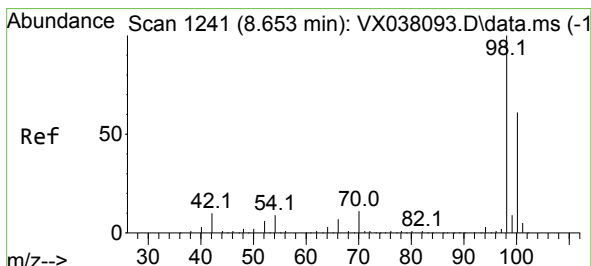
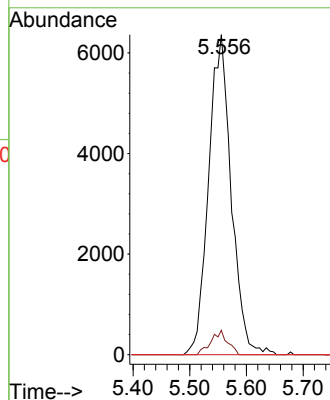
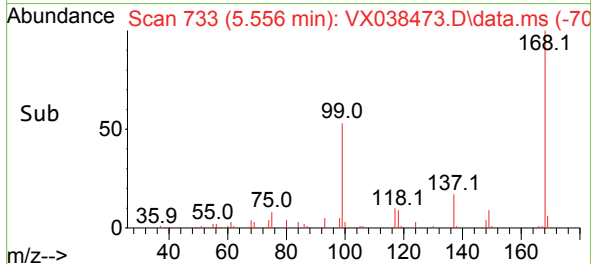


#38
Carbon Tetrachloride
Concen: 5.753 ug/l
RT: 5.556 min Scan# 71
Delta R.T. -0.122 min
Lab File: VX038473.D
Acq: 25 Oct 2023 12:38

Instrument :
MSVOA_X
ClientSampleId :

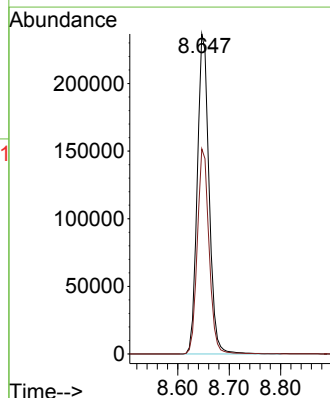
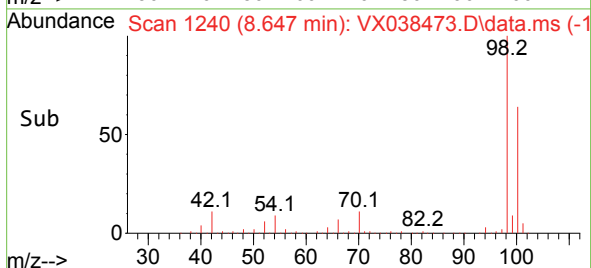
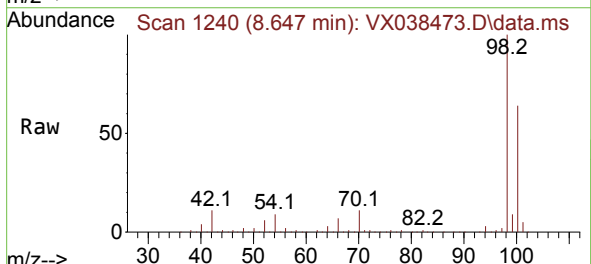


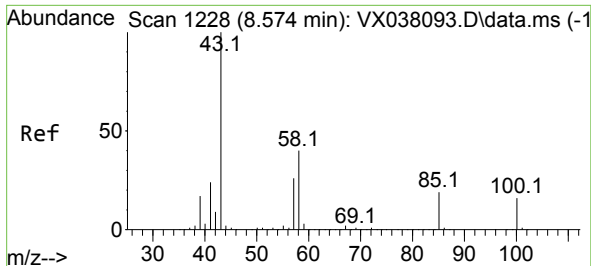
Tgt Ion:117 Resp: 17652
Ion Ratio Lower Upper
117 100
119 7.6 78.2 117.2#
121 0.0 24.4 36.6#



#50
Toluene-d8
Concen: 43.579 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. -0.006 min
Lab File: VX038473.D
Acq: 25 Oct 2023 12:38

Tgt Ion: 98 Resp: 376664
Ion Ratio Lower Upper
98 100
100 63.9 53.1 79.7

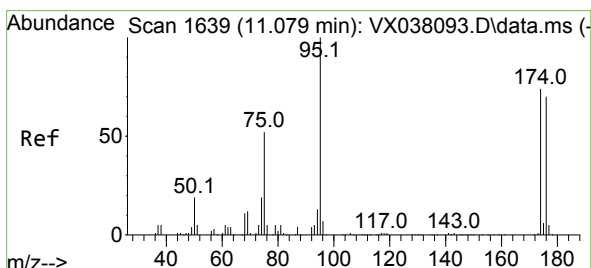
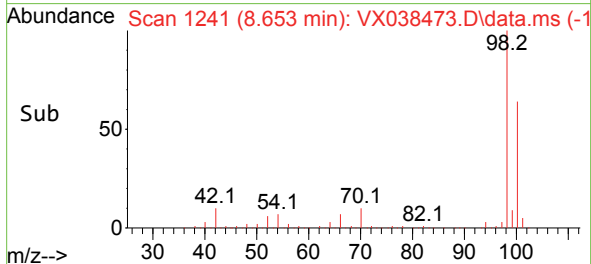
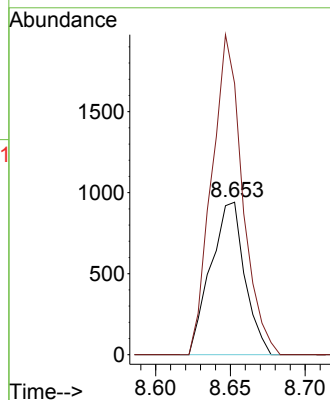
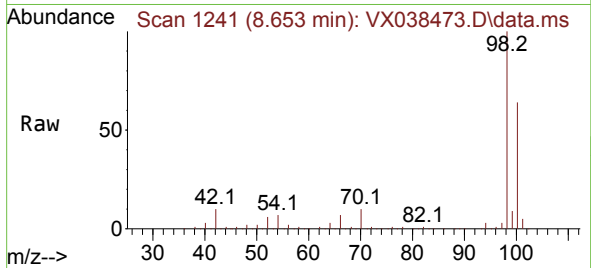




#51
4-Methyl-2-Pentanone
Concen: 0.391 ug/l
RT: 8.653 min Scan# 11
Delta R.T. 0.079 min
Lab File: VX038473.D
Acq: 25 Oct 2023 12:38

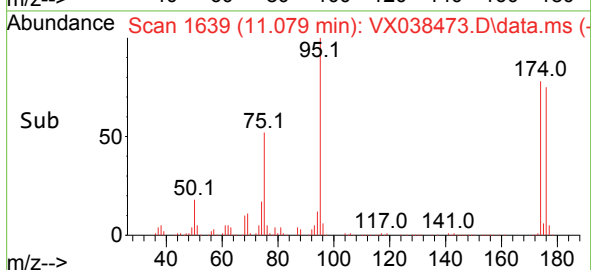
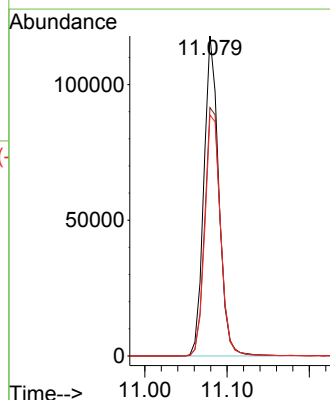
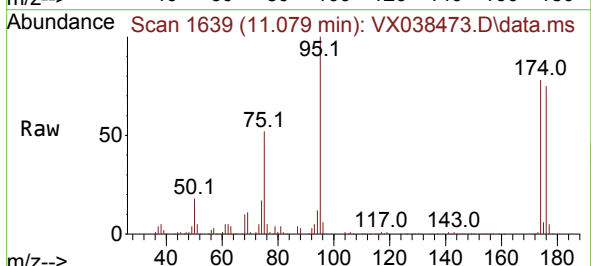
Instrument :
MSVOA_X
ClientSampleId :

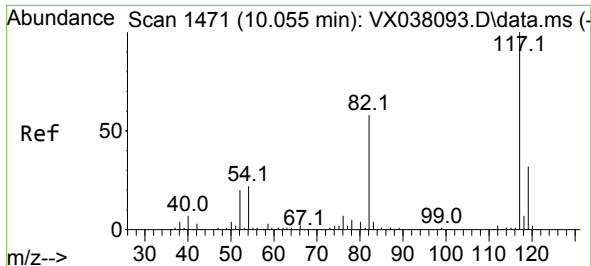
Tgt Ion: 43 Resp: 1490
Ion Ratio Lower Upper
43 100
58 189.6 30.4 45.6#



#62
4-Bromofluorobenzene
Concen: 45.215 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.000 min
Lab File: VX038473.D
Acq: 25 Oct 2023 12:38

Tgt Ion: 95 Resp: 148157
Ion Ratio Lower Upper
95 100
174 82.0 0.0 135.6
176 79.6 0.0 131.0

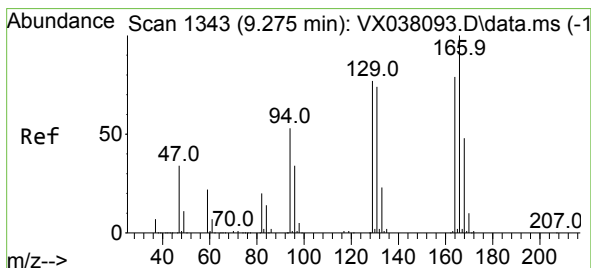
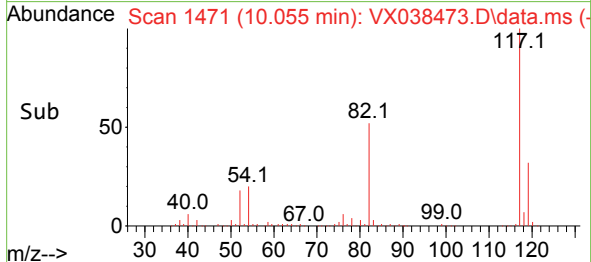
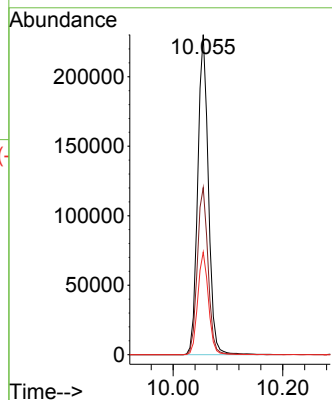
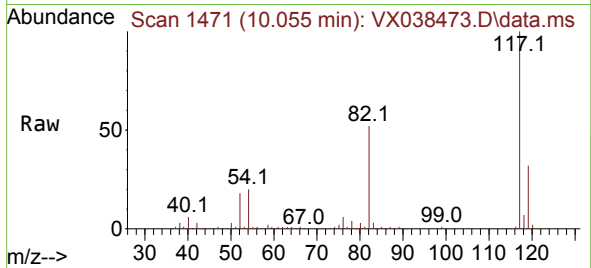




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. -0.000 min
Lab File: VX038473.D
Acq: 25 Oct 2023 12:38

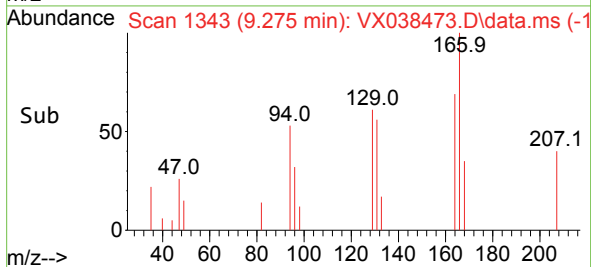
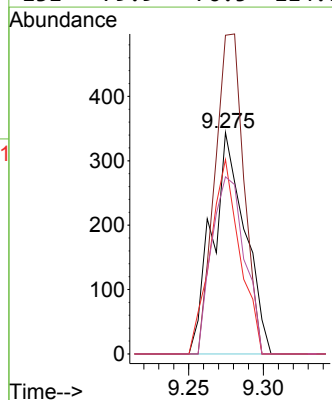
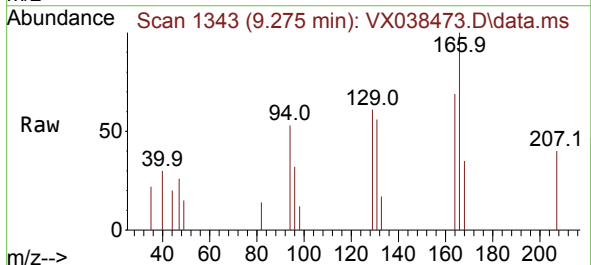
Instrument :
MSVOA_X
ClientSampleId :

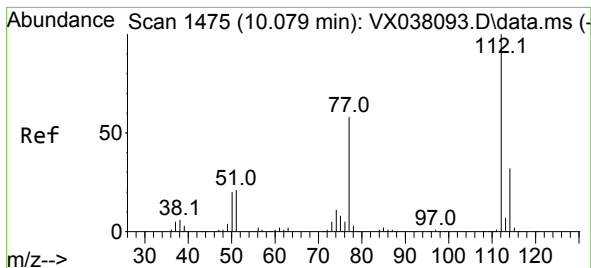
Tgt Ion:117 Resp: 311777
Ion Ratio Lower Upper
117 100
82 52.2 46.2 69.4
119 32.0 25.5 38.3



#64
Tetrachloroethene
Concen: 0.260 ug/l
RT: 9.275 min Scan# 1343
Delta R.T. -0.000 min
Lab File: VX038473.D
Acq: 25 Oct 2023 12:38

Tgt Ion:164 Resp: 525
Ion Ratio Lower Upper
164 100
166 143.9 102.7 154.1
129 87.8 80.4 120.6
131 79.9 76.5 114.7

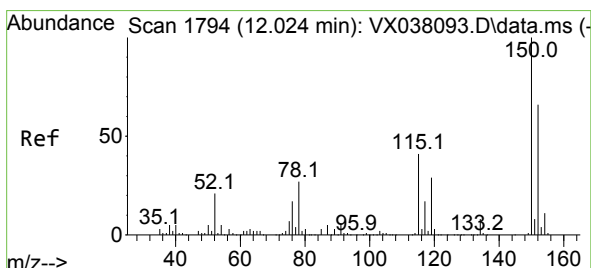
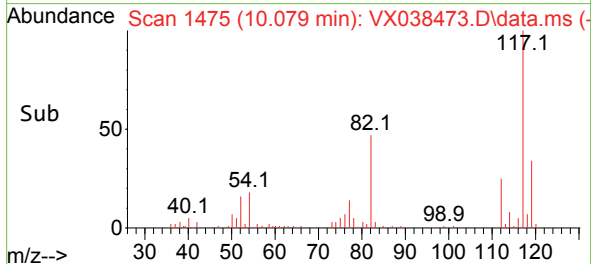
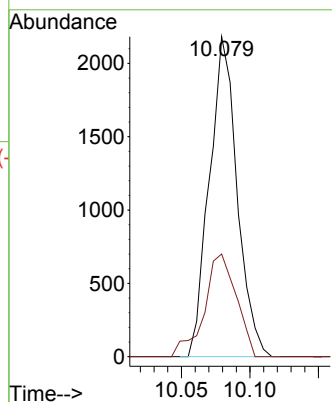
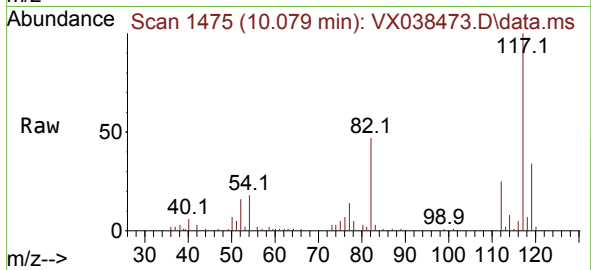




#65
Chlorobenzene
Concen: 0.471 ug/l
RT: 10.079 min Scan# 1475
Delta R.T. 0.000 min
Lab File: VX038473.D
Acq: 25 Oct 2023 12:38

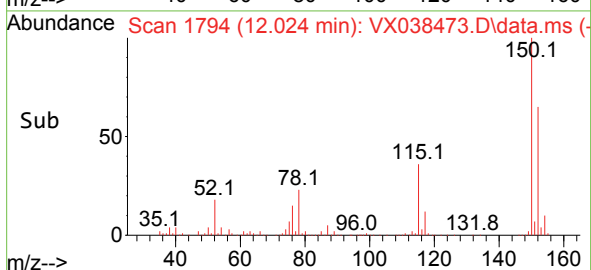
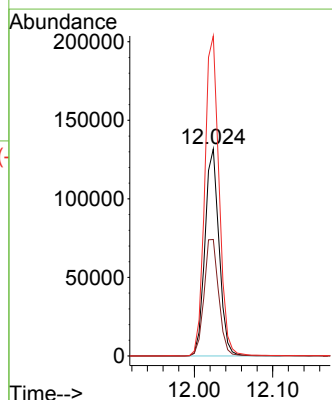
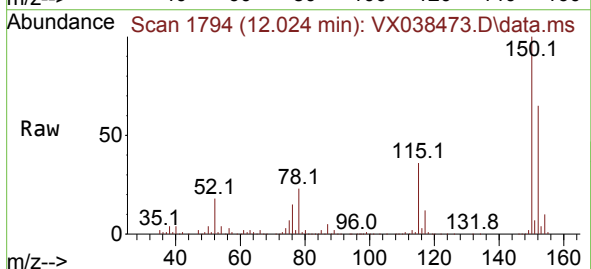
Instrument :
MSVOA_X
ClientSampleId :

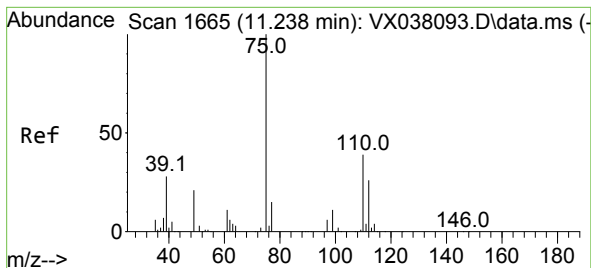
Tgt Ion:112 Resp: 3070
Ion Ratio Lower Upper
112 100
114 32.1 25.7 38.5



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. 0.000 min
Lab File: VX038473.D
Acq: 25 Oct 2023 12:38

Tgt Ion:152 Resp: 164957
Ion Ratio Lower Upper
152 100
115 58.3 43.3 129.9
150 156.7 0.0 345.0





#76

1,2,3-Trichloropropane

Concen: 19.906 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. -0.159 min

Lab File: VX038473.D

Acq: 25 Oct 2023 12:38

Instrument :

MSVOA_X

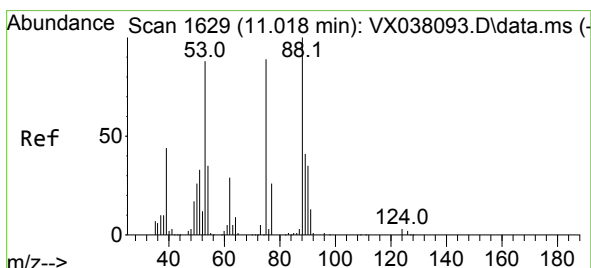
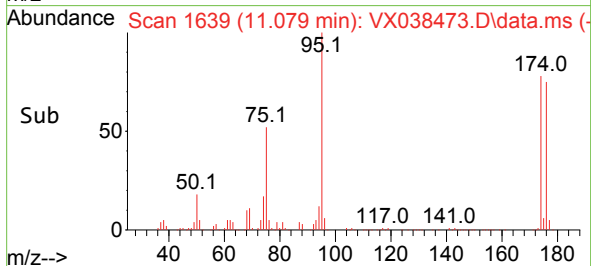
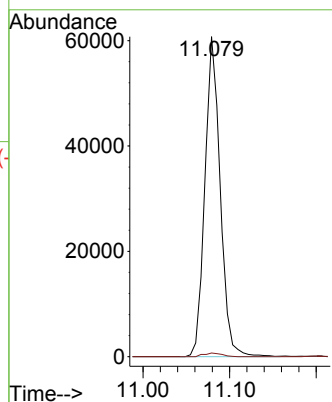
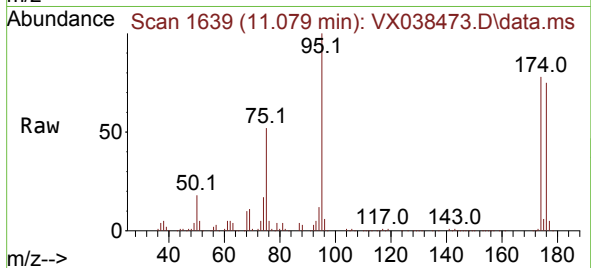
ClientSampleId :

Tgt Ion: 75 Resp: 74648

Ion Ratio Lower Upper

75 100

77 1.3 19.1 57.5#



#81

trans-1,4-Dichloro-2-butene

Concen: 57.468 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. 0.061 min

Lab File: VX038473.D

Acq: 25 Oct 2023 12:38

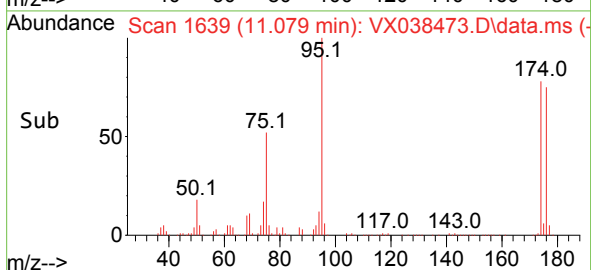
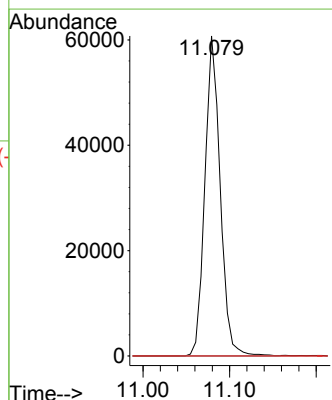
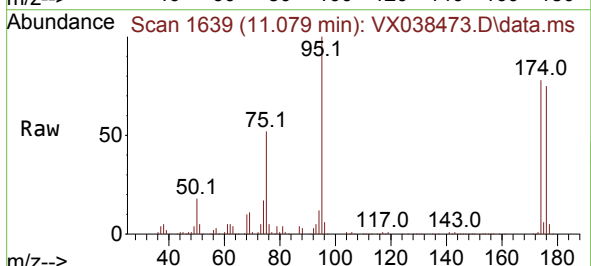
Tgt Ion: 75 Resp: 74648

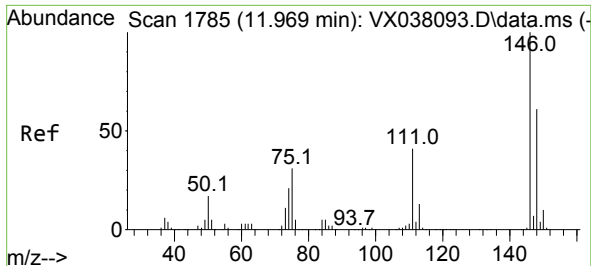
Ion Ratio Lower Upper

75 100

53 0.0 90.5 135.7#

89 0.0 36.9 55.3#





#87

1,3-Dichlorobenzene

Concen: 0.214 ug/l

RT: 11.975 min Scan# 1786

Delta R.T. 0.006 min

Lab File: VX038473.D

Acq: 25 Oct 2023 12:38

Instrument :

MSVOA_X

ClientSampleId :

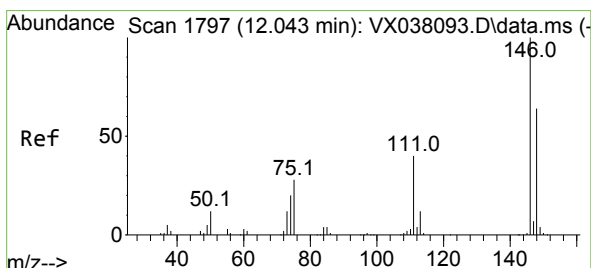
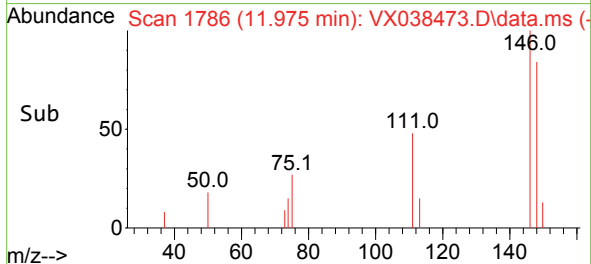
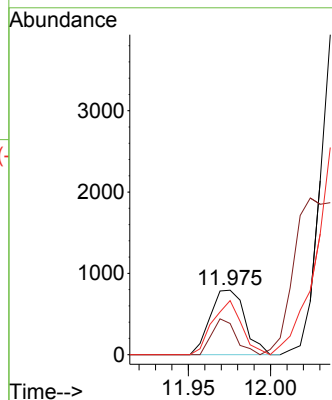
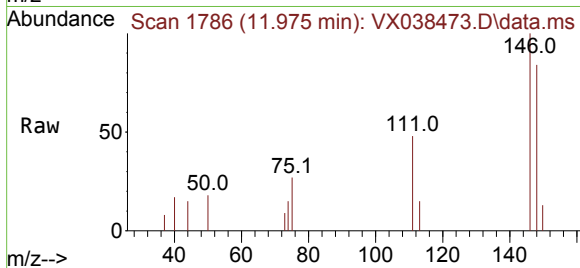
Tgt Ion:146 Resp: 1161

Ion Ratio Lower Upper

146 100

111 38.8 22.1 66.1

148 70.3 31.8 95.3



#88

1,4-Dichlorobenzene

Concen: 0.210 ug/l

RT: 11.975 min Scan# 1786

Delta R.T. -0.068 min

Lab File: VX038473.D

Acq: 25 Oct 2023 12:38

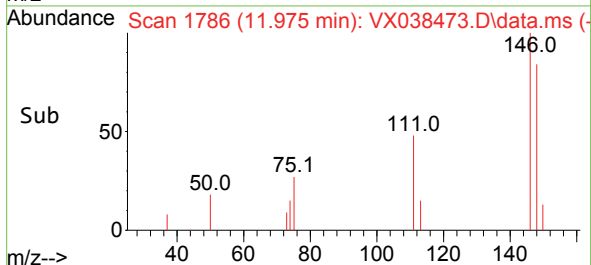
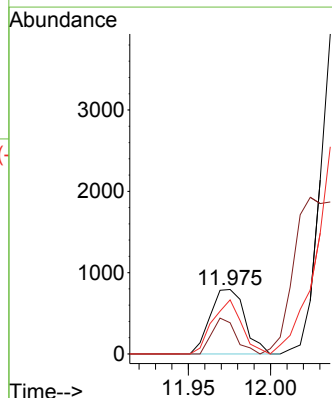
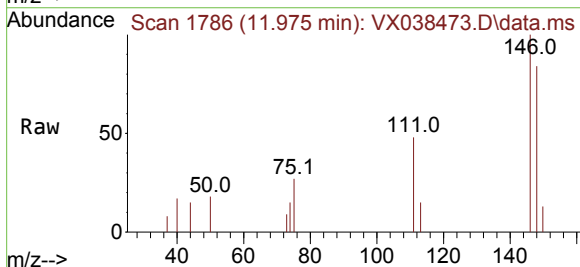
Tgt Ion:146 Resp: 1161

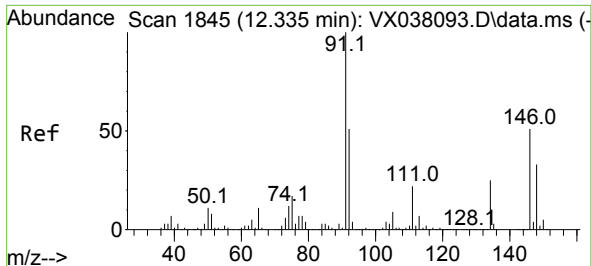
Ion Ratio Lower Upper

146 100

111 38.8 21.3 63.7

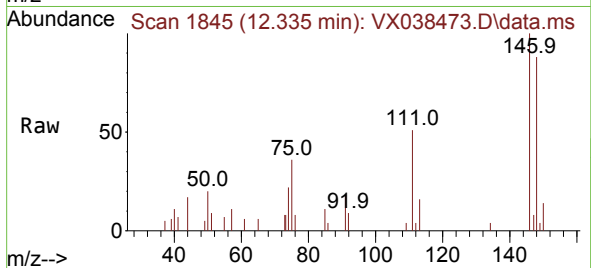
148 70.3 31.8 95.4



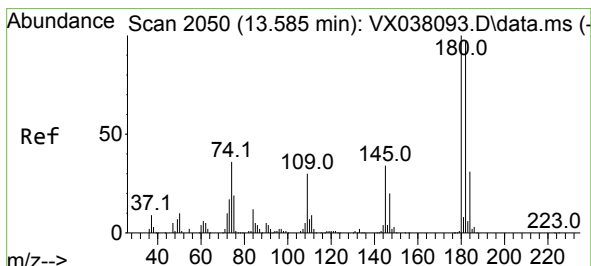
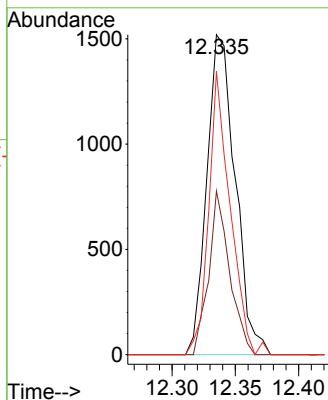
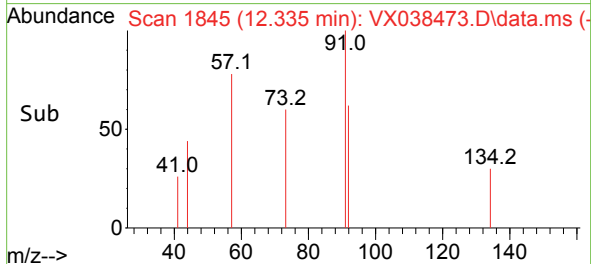


#91
1,2-Dichlorobenzene
Concen: 0.454 ug/l
RT: 12.335 min Scan# 1845
Delta R.T. 0.000 min
Lab File: VX038473.D
Acq: 25 Oct 2023 12:38

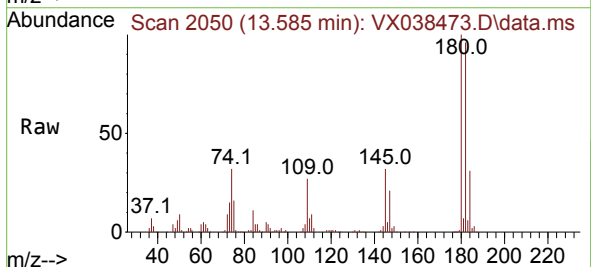
Instrument :
MSVOA_X
ClientSampleId :



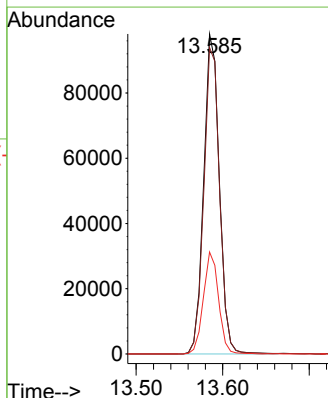
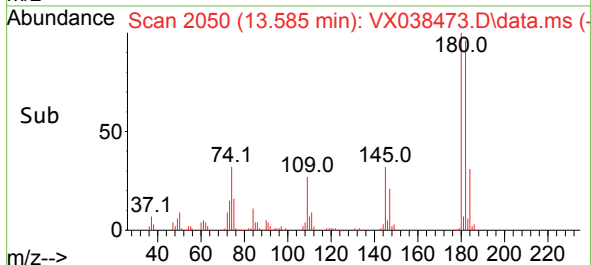
Tgt Ion:146 Resp: 2368
Ion Ratio Lower Upper
146 100
111 37.8 22.4 67.0
148 67.2 31.6 95.0

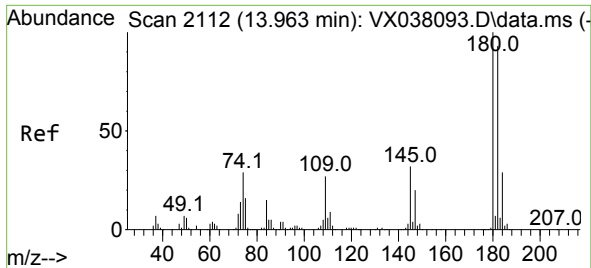


#93
1,2,4-Trichlorobenzene
Concen: 35.163 ug/l
RT: 13.585 min Scan# 2050
Delta R.T. -0.000 min
Lab File: VX038473.D
Acq: 25 Oct 2023 12:38



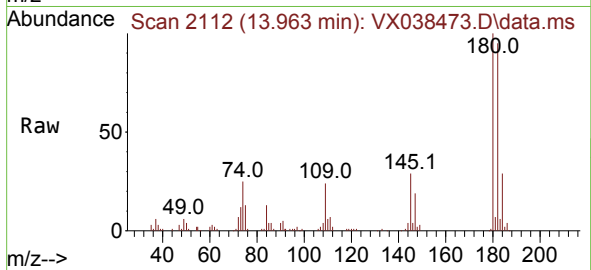
Tgt Ion:180 Resp: 122980
Ion Ratio Lower Upper
180 100
182 97.1 48.3 144.8
145 31.0 18.0 54.0





#96
 1,2,3-Trichlorobenzene
 Concen: 9.914 ug/l
 RT: 13.963 min Scan# 21
 Delta R.T. -0.000 min
 Lab File: VX038473.D
 Acq: 25 Oct 2023 12:38

Instrument :
 MSVOA_X
 ClientSampleId :



Tgt Ion:180 Resp: 33573
 Ion Ratio Lower Upper
 180 100
 182 95.8 46.9 140.6
 145 32.5 17.8 53.5

