

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX102523\
 Data File : VX038498.D
 Acq On : 26 Oct 2023 05:11
 Operator : JC/MD
 Sample : 05030-01 200X
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 39 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Oct 26 06:16:18 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)

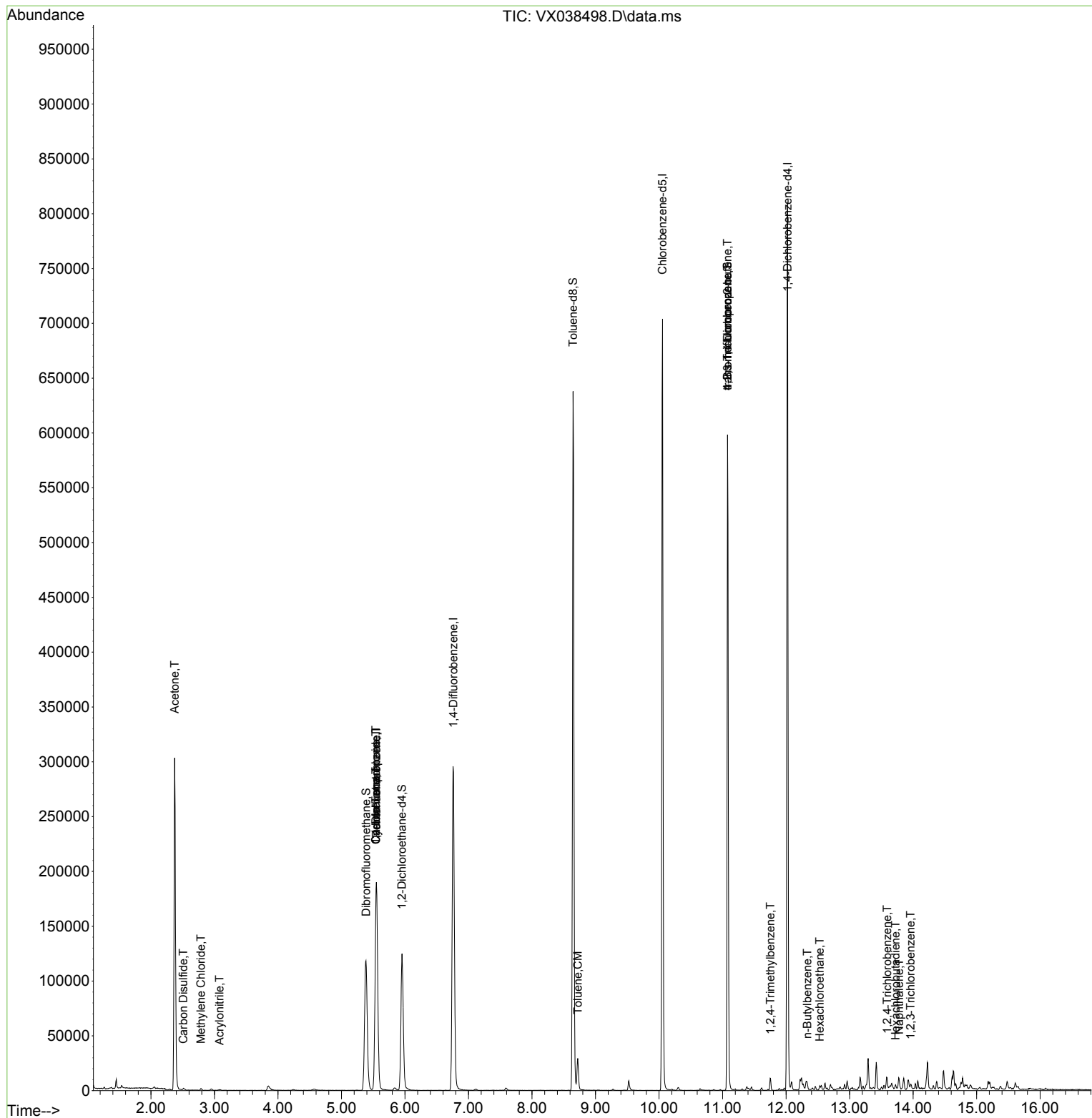
Internal Standards						
1) Pentafluorobenzene	5.550	168	190085	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	6.763	114	320154	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	324690	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	179246	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	115761	37.863	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	=	75.720%#
35) Dibromofluoromethane	5.385	113	105835	45.877	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	91.760%
50) Toluene-d8	8.647	98	387147	43.918	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	=	87.840%#
62) 4-Bromofluorobenzene	11.079	95	153348	45.886	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	91.780%
Target Compounds						
					Qvalue	
5) Bromomethane	1.611	94	81	Below Cal	#	56
6) Chloroethane	1.697	64	175	Below Cal	#	43
11) Tert butyl alcohol	2.953	59	1365	Below Cal		99
15) Acrylonitrile	3.081	53	317	0.228	ug/l #	59
16) Acetone	2.373	43	303071	237.516	ug/l #	88
17) Carbon Disulfide	2.508	76	1552	0.310	ug/l	96
20) Methylene Chloride	2.788	84	795	0.331	ug/l #	77
31) Cyclohexane	5.544	56	3798	1.147	ug/l #	1
36) 1,1-Dichloropropene	5.544	75	13996	4.400	ug/l #	51
38) Carbon Tetrachloride	5.544	117	18950	6.055	ug/l #	16
52) Toluene	8.720	92	10745	1.854	ug/l	87
76) 1,2,3-Trichloropropane	11.079	75	78932	19.370	ug/l #	38
81) trans-1,4-Dichloro-2-b...	11.079	75	78932	56.031	ug/l #	5
84) 1,2,4-Trimethylbenzene	11.756	105	5459	0.528	ug/l	99
89) n-Butylbenzene	12.335	91	2176	0.202	ug/l #	64
90) Hexachloroethane	12.530	117	463	0.258	ug/l #	17
93) 1,2,4-Trichlorobenzene	13.591	180	1148	0.302	ug/l #	69
94) Hexachlorobutadiene	13.725	225	443	0.290	ug/l	88
95) Naphthalene	13.780	128	7417	0.560	ug/l	97
96) 1,2,3-Trichlorobenzene	13.963	180	858	0.233	ug/l #	89

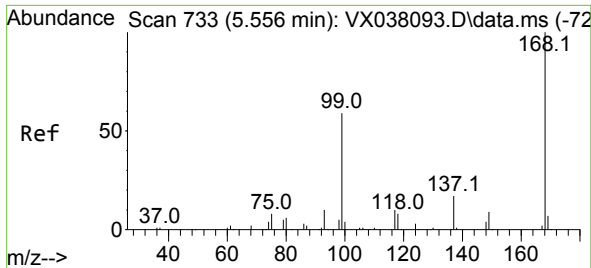
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 39 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :

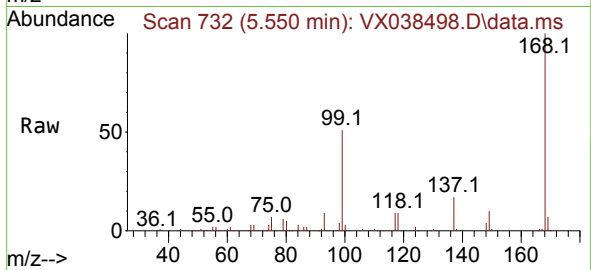
Quant Time: Oct 26 06:16:18 2023
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X100523W.M
Quant Title : SW846 8260
QLast Update : Thu Oct 05 15:27:13 2023
Response via : Initial Calibration



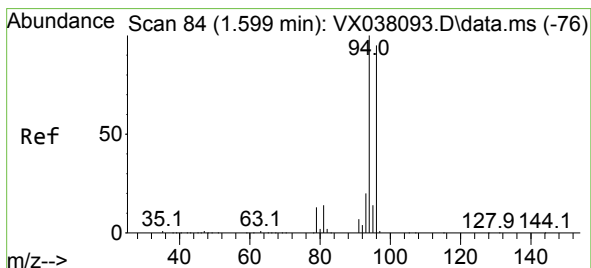
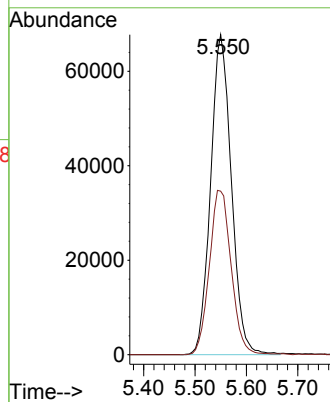
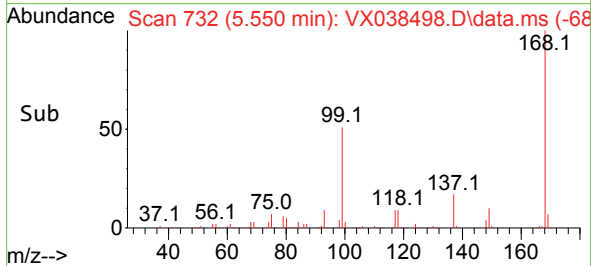


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.550 min Scan# 71
Delta R.T. -0.006 min
Lab File: VX038498.D
Acq: 26 Oct 2023 05:11

Instrument :
MSVOA_X
ClientSampleId :

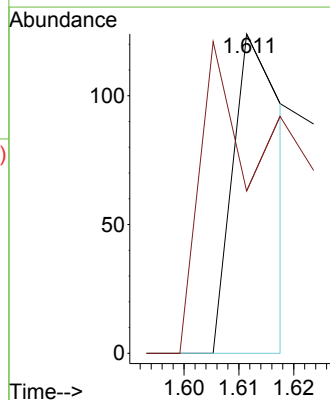
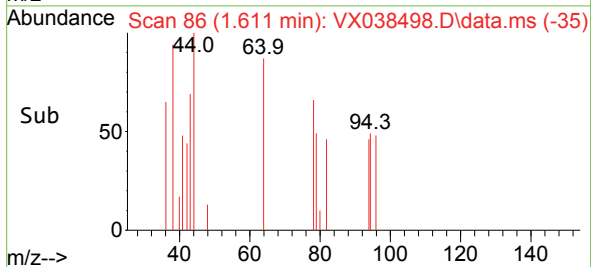
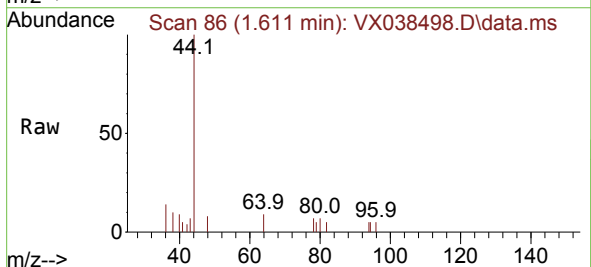


Tgt Ion:168 Resp: 190085
Ion Ratio Lower Upper
168 100
99 51.1 56.6 85.0#



#5
Bromomethane
Concen: Below Cal
RT: 1.611 min Scan# 86
Delta R.T. 0.012 min
Lab File: VX038498.D
Acq: 26 Oct 2023 05:11

Tgt Ion: 94 Resp: 81
Ion Ratio Lower Upper
94 100
96 50.8 74.6 111.8#

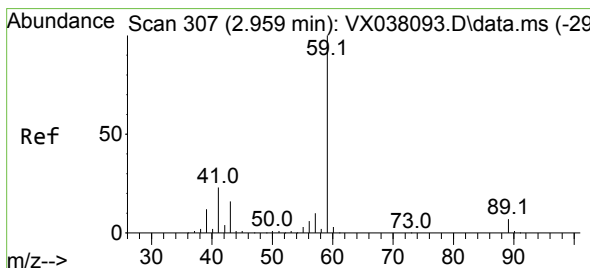
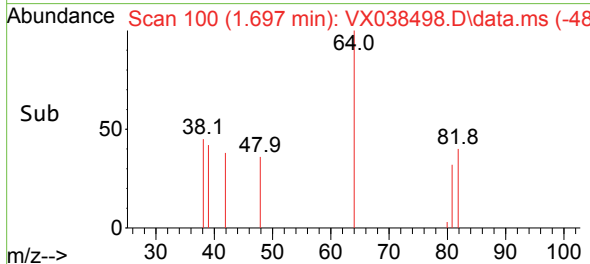
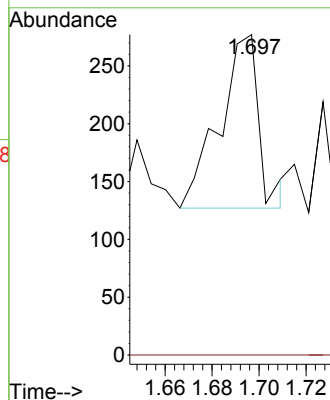
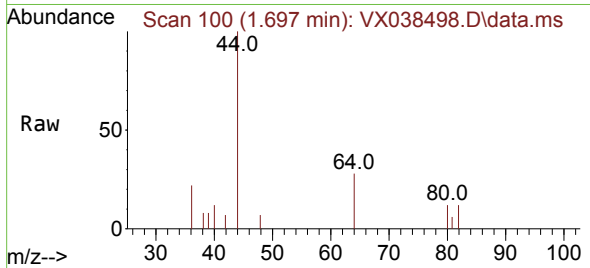




#6
Chloroethane
Concen: Below Cal
RT: 1.697 min Scan# 10
Delta R.T. 0.018 min
Lab File: VX038498.D
Acq: 26 Oct 2023 05:11

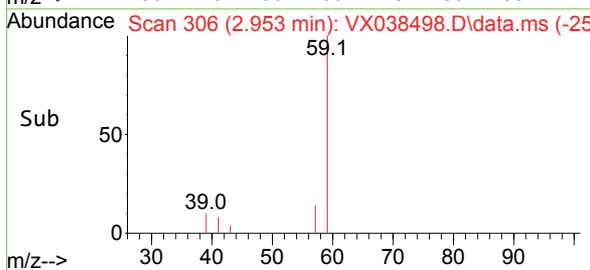
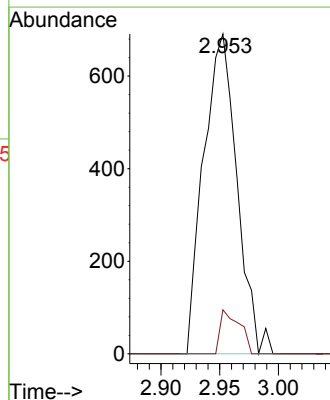
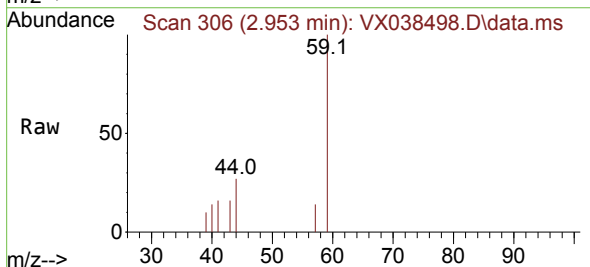
Instrument :
MSVOA_X
ClientSampleId :

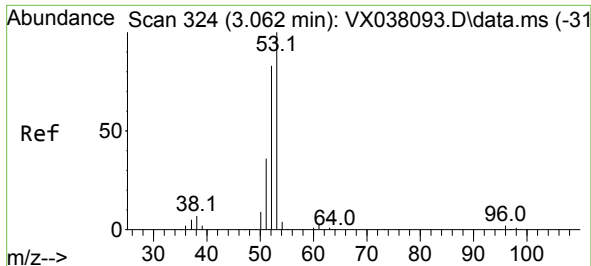
Tgt Ion: 64 Resp: 175
Ion Ratio Lower Upper
64 100
66 0.0 25.1 37.7#



#11
Tert butyl alcohol
Concen: Below Cal
RT: 2.953 min Scan# 306
Delta R.T. -0.006 min
Lab File: VX038498.D
Acq: 26 Oct 2023 05:11

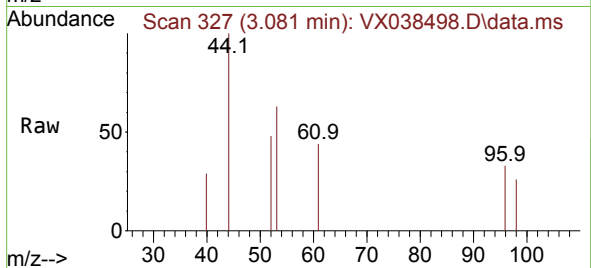
Tgt Ion: 59 Resp: 1365
Ion Ratio Lower Upper
59 100
57 8.0 6.0 9.0



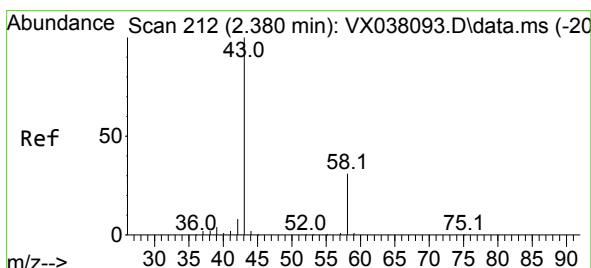
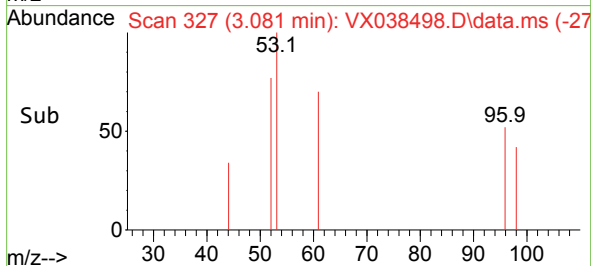
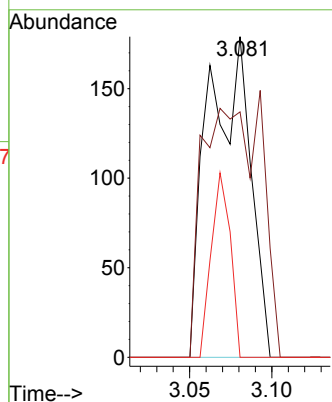


#15
Acrylonitrile
Concen: 0.228 ug/l
RT: 3.081 min Scan# 317
Delta R.T. 0.019 min
Lab File: VX038498.D
Acq: 26 Oct 2023 05:11

Instrument :
MSVOA_X
ClientSampleId :

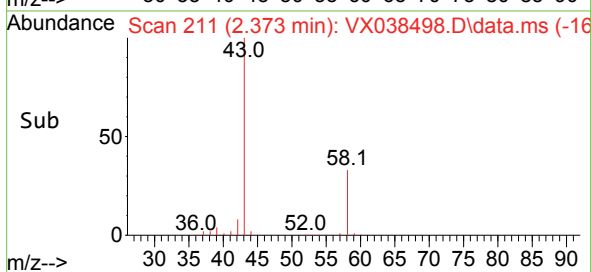
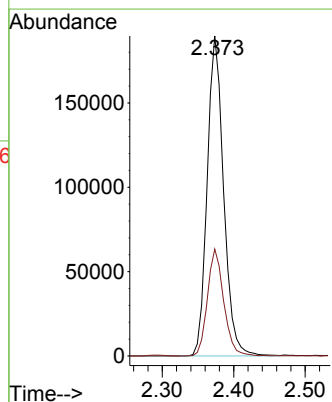
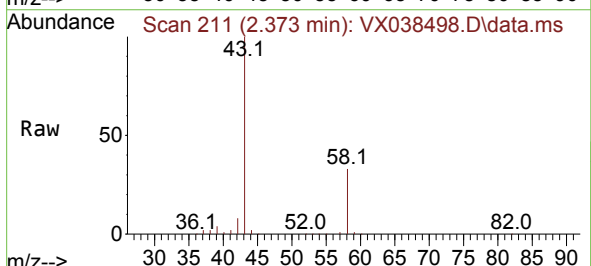


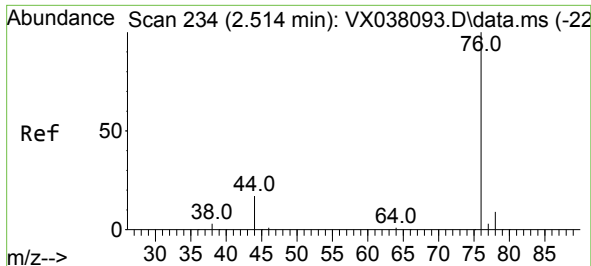
Tgt Ion: 53 Resp: 317
Ion Ratio Lower Upper
53 100
52 110.7 66.0 99.0#
51 0.0 29.8 44.6#



#16
Acetone
Concen: 237.516 ug/l
RT: 2.373 min Scan# 211
Delta R.T. -0.007 min
Lab File: VX038498.D
Acq: 26 Oct 2023 05:11

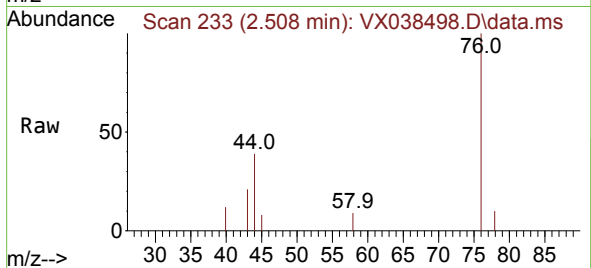
Tgt Ion: 43 Resp: 303071
Ion Ratio Lower Upper
43 100
58 33.4 21.9 32.9#



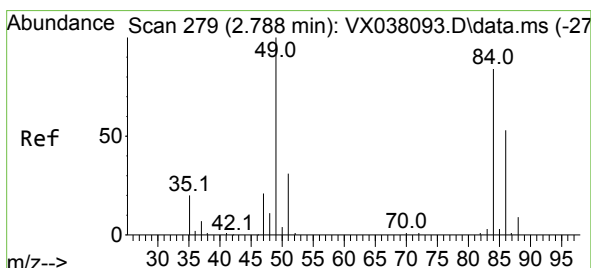
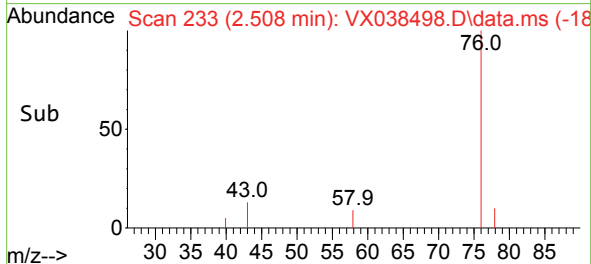
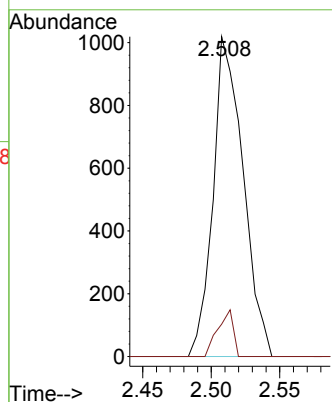


#17
Carbon Disulfide
Concen: 0.310 ug/l
RT: 2.508 min Scan# 211
Delta R.T. -0.000 min
Lab File: VX038498.D
Acq: 26 Oct 2023 05:11

Instrument :
MSVOA_X
ClientSampleId :

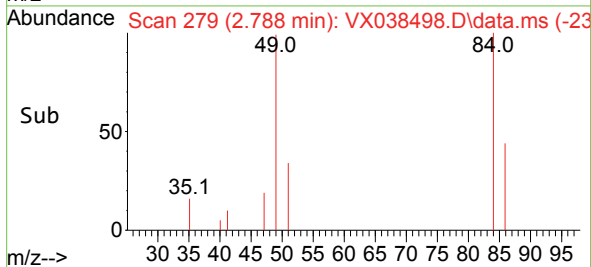
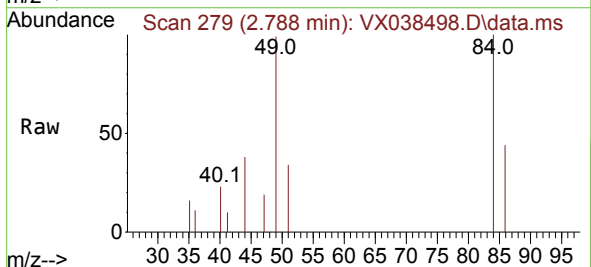
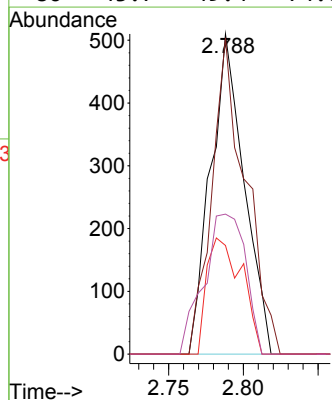


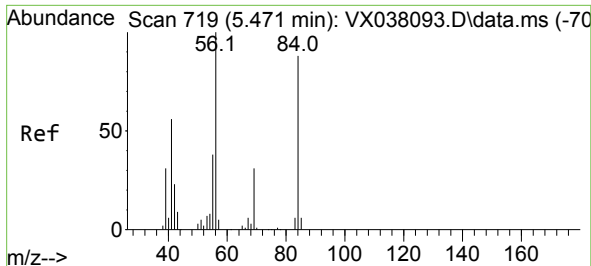
Tgt Ion: 76 Resp: 1552
Ion Ratio Lower Upper
76 100
78 10.1 7.0 10.6



#20
Methylene Chloride
Concen: 0.331 ug/l
RT: 2.788 min Scan# 279
Delta R.T. 0.000 min
Lab File: VX038498.D
Acq: 26 Oct 2023 05:11

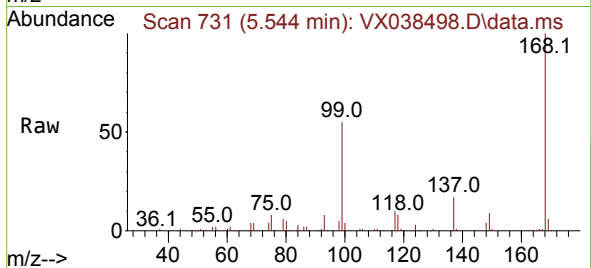
Tgt Ion: 84 Resp: 795
Ion Ratio Lower Upper
84 100
49 98.8 103.6 155.4#
51 33.9 33.8 50.6
86 43.7 49.4 74.0#



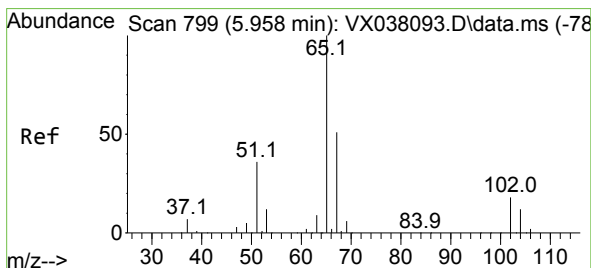
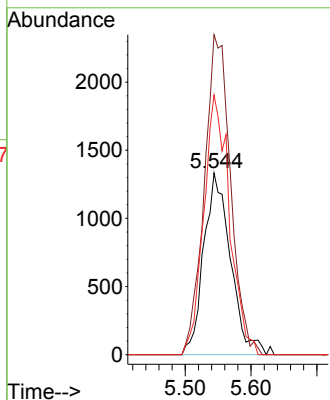
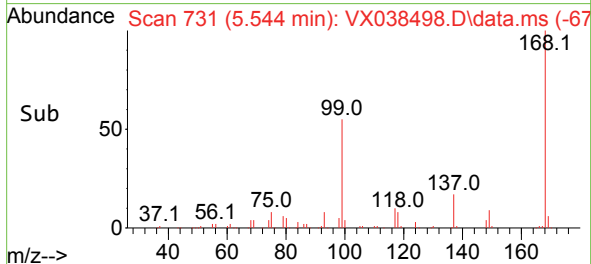


#31
Cyclohexane
Concen: 1.147 ug/l
RT: 5.544 min Scan# 719
Delta R.T. 0.073 min
Lab File: VX038498.D
Acq: 26 Oct 2023 05:11

Instrument :
MSVOA_X
ClientSampleId :

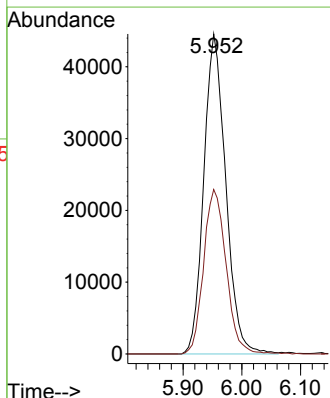
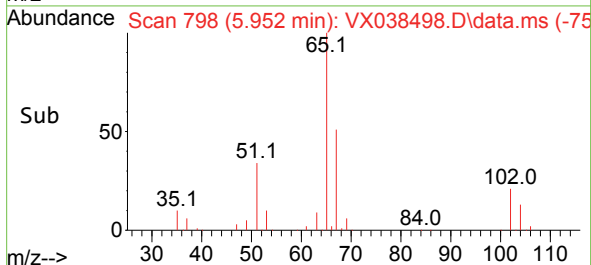
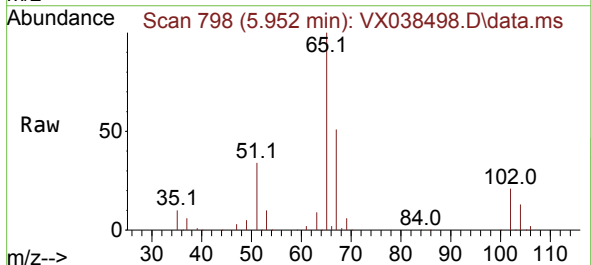


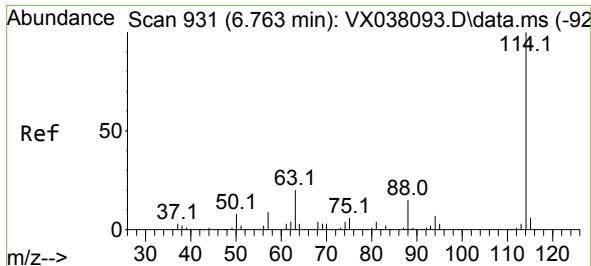
Tgt Ion: 56 Resp: 3798
Ion Ratio Lower Upper
56 100
69 176.1 23.4 35.2#
84 142.8 65.9 98.9#



#33
1,2-Dichloroethane-d4
Concen: 37.863 ug/l
RT: 5.952 min Scan# 798
Delta R.T. -0.006 min
Lab File: VX038498.D
Acq: 26 Oct 2023 05:11

Tgt Ion: 65 Resp: 115761
Ion Ratio Lower Upper
65 100
67 52.7 0.0 100.2

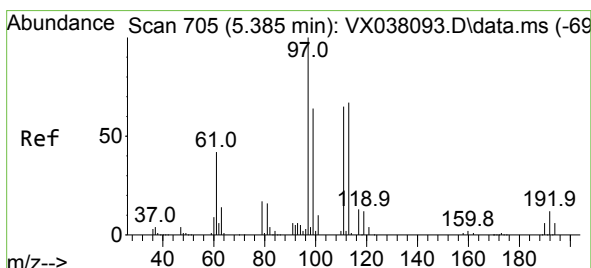
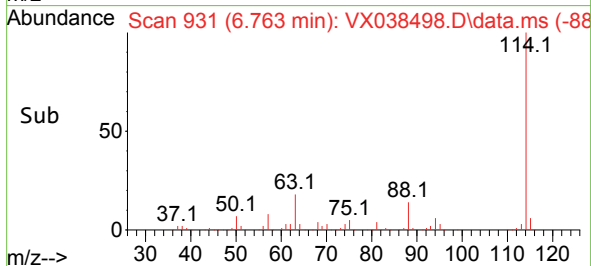
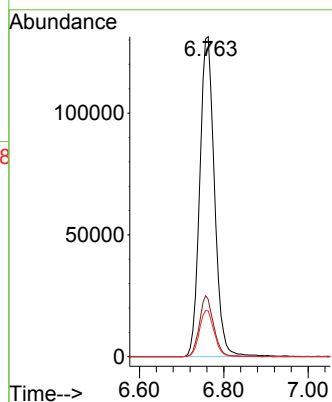
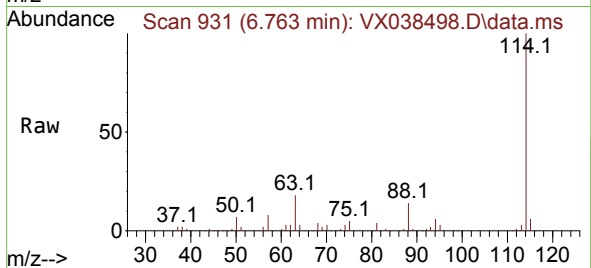




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.763 min Scan# 91
Delta R.T. -0.000 min
Lab File: VX038498.D
Acq: 26 Oct 2023 05:11

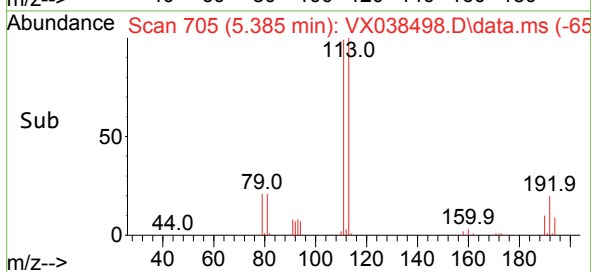
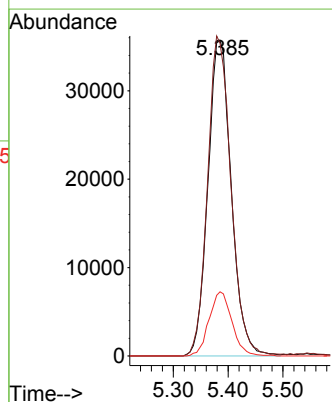
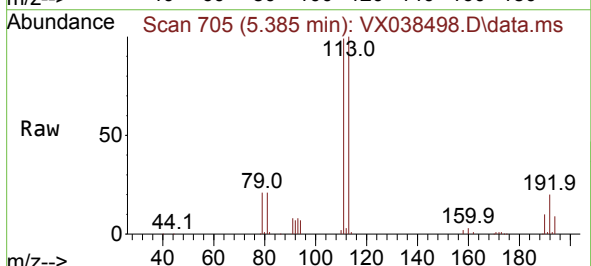
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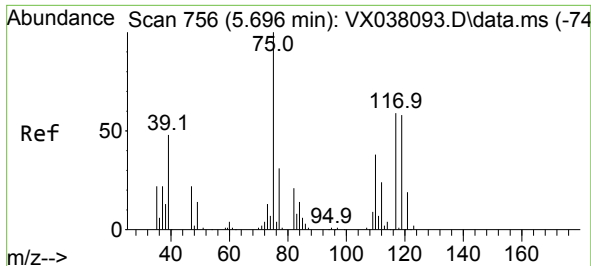
Tgt Ion:114 Resp: 320154
Ion Ratio Lower Upper
114 100
63 17.9 0.0 45.0
88 14.4 0.0 36.6



#35
Dibromofluoromethane
Concen: 45.877 ug/l
RT: 5.385 min Scan# 705
Delta R.T. 0.000 min
Lab File: VX038498.D
Acq: 26 Oct 2023 05:11

Tgt Ion:113 Resp: 105835
Ion Ratio Lower Upper
113 100
111 101.7 82.9 124.3
192 19.9 13.3 19.9

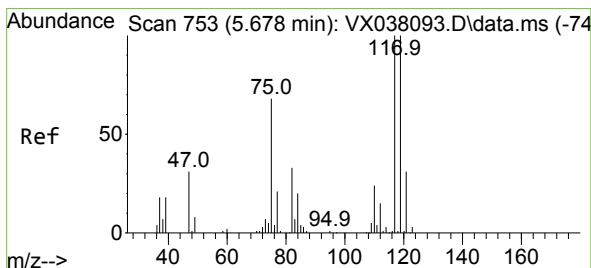
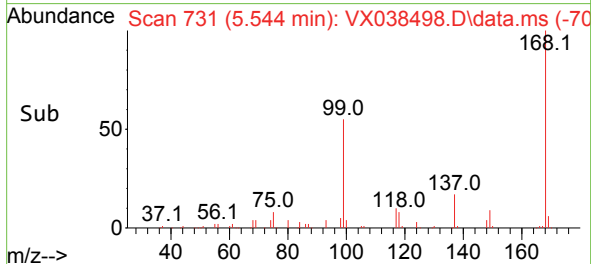
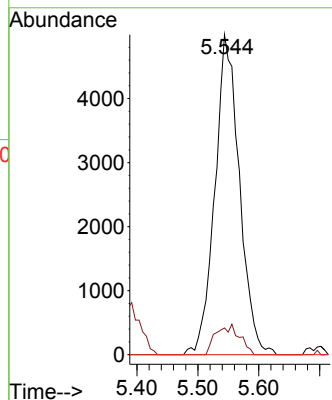
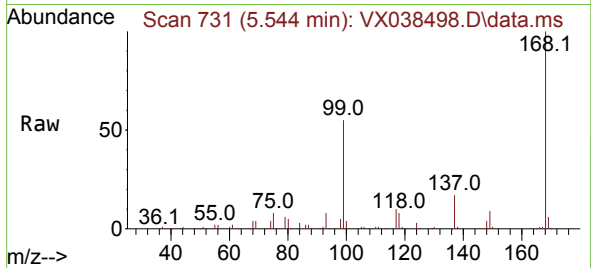




#36
1,1-Dichloropropene
Concen: 4.400 ug/l
RT: 5.544 min Scan# 711
Delta R.T. -0.146 min
Lab File: VX038498.D
Acq: 26 Oct 2023 05:11

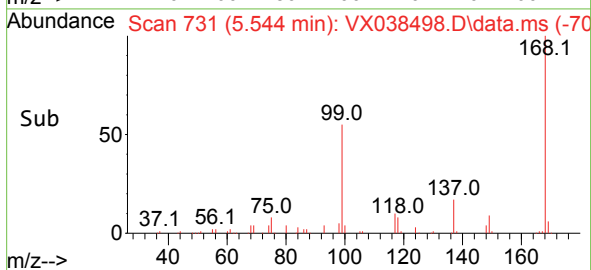
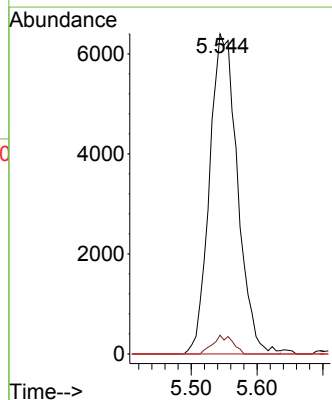
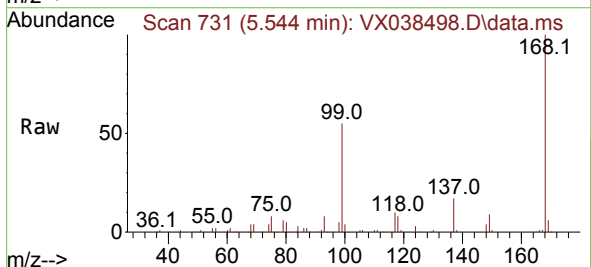
Instrument :
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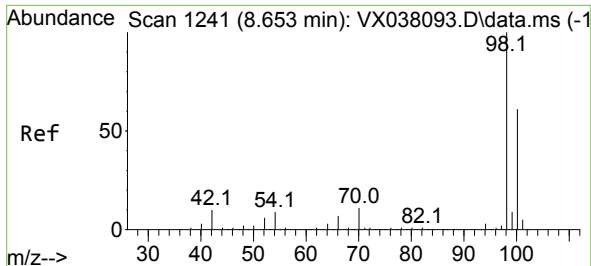
Tgt Ion: 75 Resp: 13996
Ion Ratio Lower Upper
75 100
110 9.1 17.0 50.9#
77 0.0 24.7 37.1#



#38
Carbon Tetrachloride
Concen: 6.055 ug/l
RT: 5.544 min Scan# 731
Delta R.T. -0.134 min
Lab File: VX038498.D
Acq: 26 Oct 2023 05:11

Tgt Ion: 117 Resp: 18950
Ion Ratio Lower Upper
117 100
119 5.9 78.2 117.2#
121 0.0 24.4 36.6#

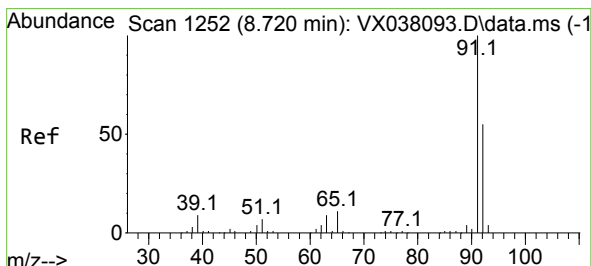
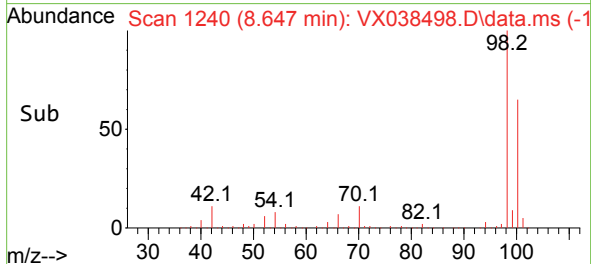
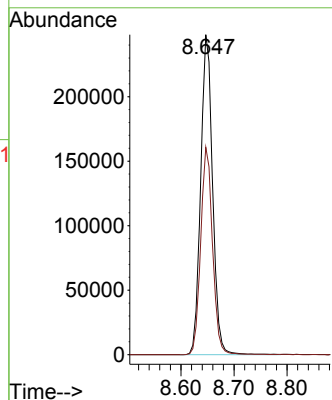
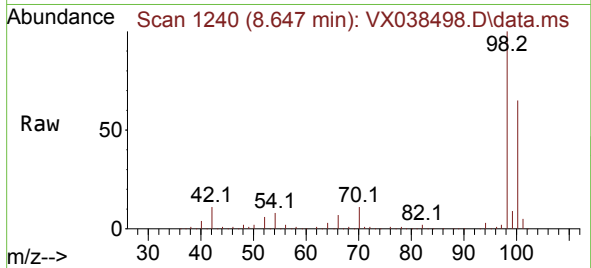




#50
Toluene-d8
Concen: 43.918 ug/l
RT: 8.647 min Scan# 11
Delta R.T. -0.006 min
Lab File: VX038498.D
Acq: 26 Oct 2023 05:11

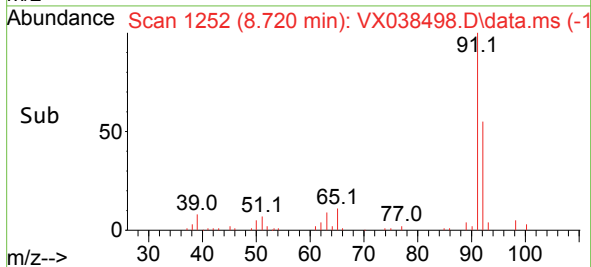
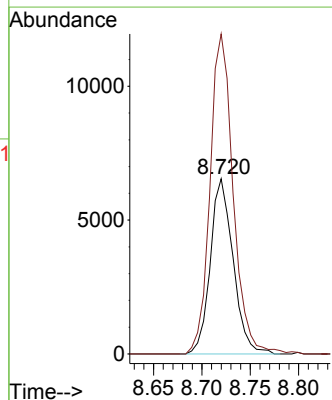
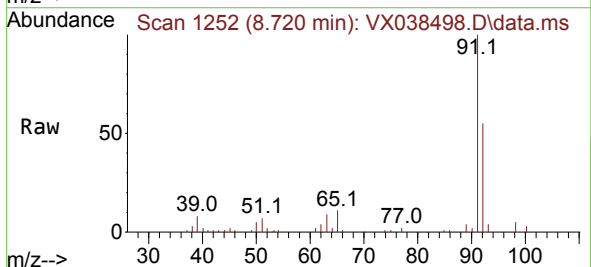
Instrument :
MSVOA_X
ClientSampleId :

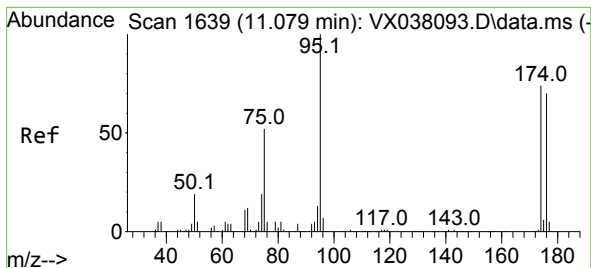
Tgt Ion: 98 Resp: 387147
Ion Ratio Lower Upper
98 100
100 64.7 53.1 79.7



#52
Toluene
Concen: 1.854 ug/l
RT: 8.720 min Scan# 1252
Delta R.T. -0.000 min
Lab File: VX038498.D
Acq: 26 Oct 2023 05:11

Tgt Ion: 92 Resp: 10745
Ion Ratio Lower Upper
92 100
91 185.6 134.2 201.2

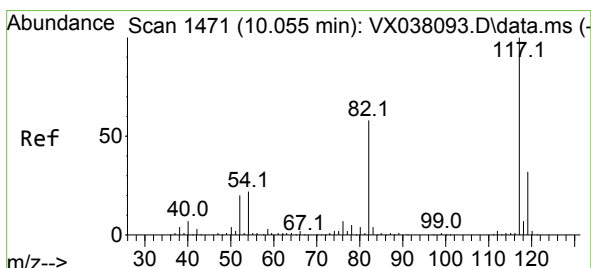
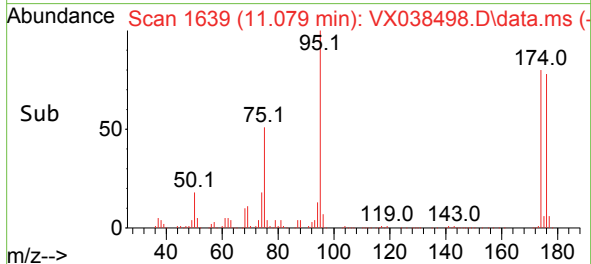
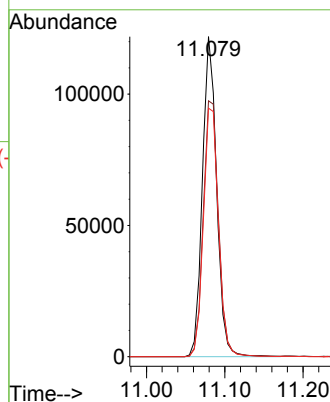
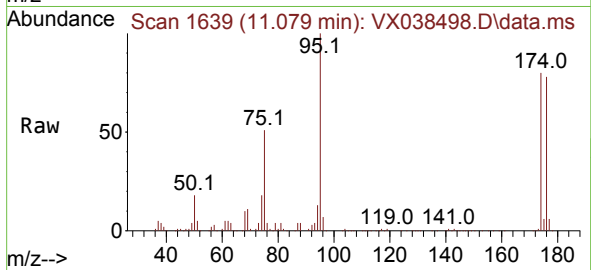




#62
4-Bromofluorobenzene
Concen: 45.886 ug/l
RT: 11.079 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX038498.D
Acq: 26 Oct 2023 05:11

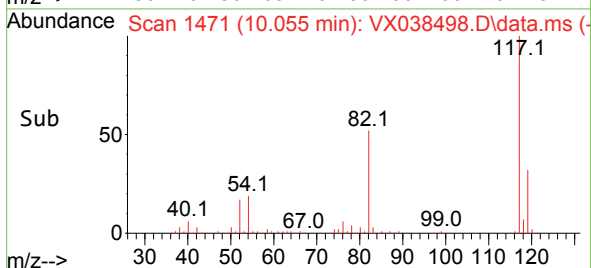
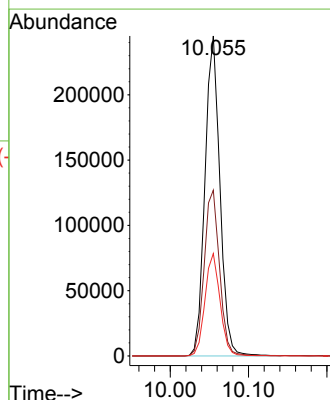
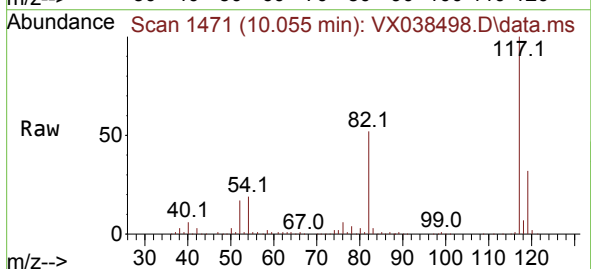
Instrument :
MSVOA_X
ClientSampleId :

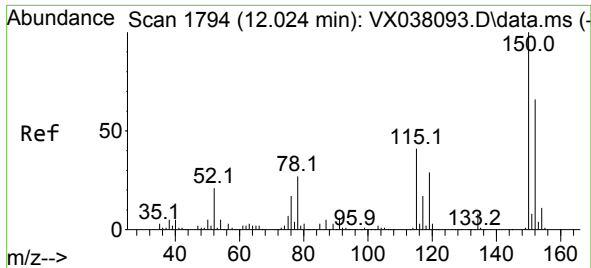
Tgt Ion: 95 Resp: 153348
Ion Ratio Lower Upper
95 100
174 86.0 0.0 135.6
176 82.8 0.0 131.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.000 min
Lab File: VX038498.D
Acq: 26 Oct 2023 05:11

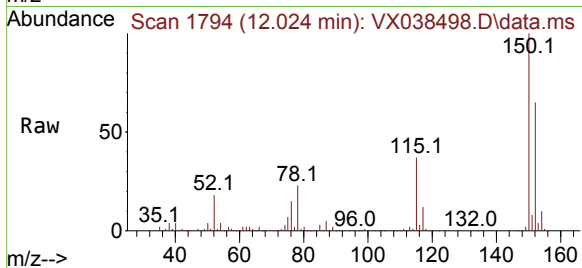
Tgt Ion: 117 Resp: 324690
Ion Ratio Lower Upper
117 100
82 51.8 46.2 69.4
119 32.0 25.5 38.3



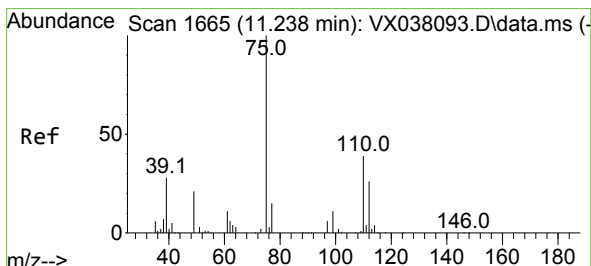
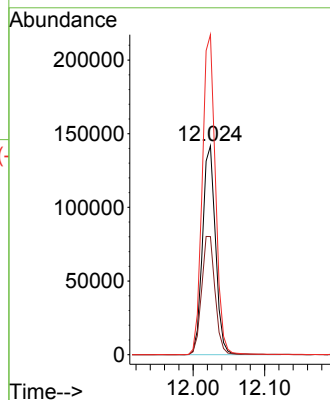
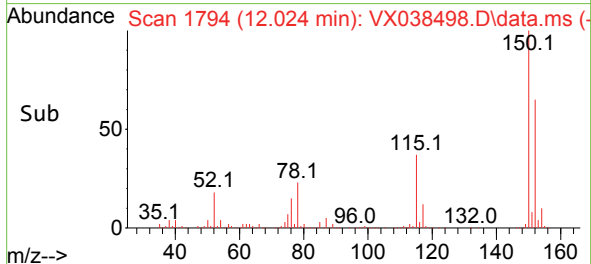


#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 12.024 min Scan# 1
 Delta R.T. 0.000 min
 Lab File: VX038498.D
 Acq: 26 Oct 2023 05:11

Instrument :
 MSVOA_X
 ClientSampleId :

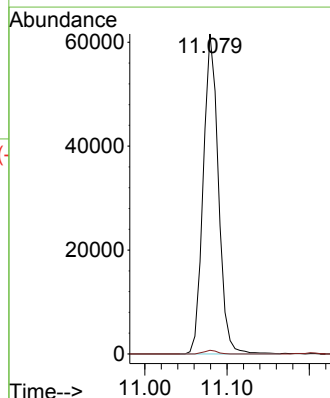
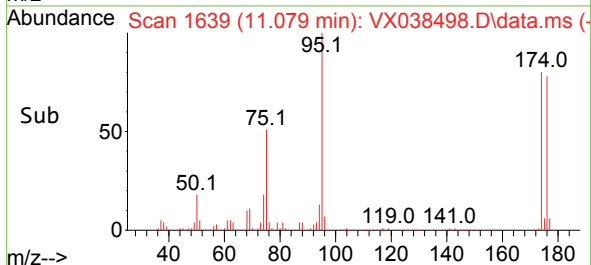
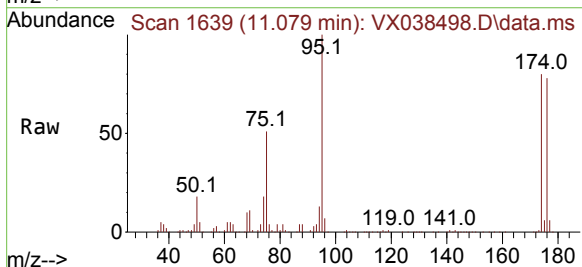


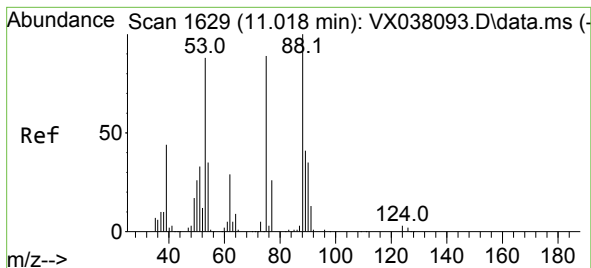
Tgt Ion:152 Resp: 179246
 Ion Ratio Lower Upper
 152 100
 115 58.8 43.3 129.9
 150 155.6 0.0 345.0



#76
 1,2,3-Trichloropropane
 Concen: 19.370 ug/l
 RT: 11.079 min Scan# 1639
 Delta R.T. -0.159 min
 Lab File: VX038498.D
 Acq: 26 Oct 2023 05:11

Tgt Ion: 75 Resp: 78932
 Ion Ratio Lower Upper
 75 100
 77 1.0 19.1 57.5#

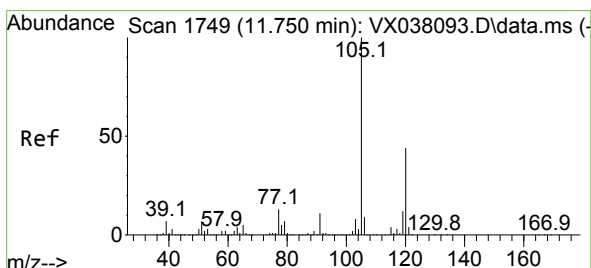
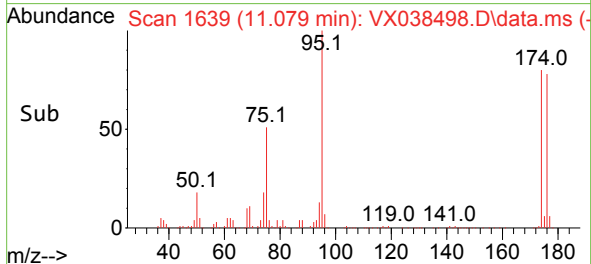
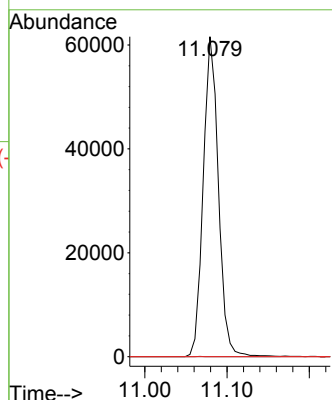
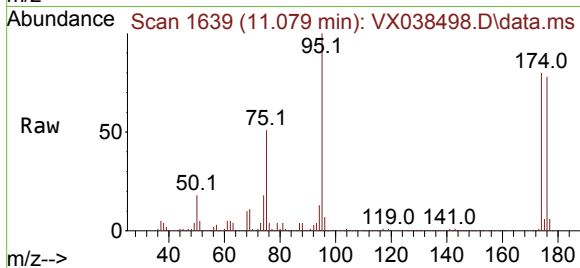




#81
trans-1,4-Dichloro-2-butene
Concen: 56.031 ug/l
RT: 11.079 min Scan# 1
Delta R.T. 0.061 min
Lab File: VX038498.D
Acq: 26 Oct 2023 05:11

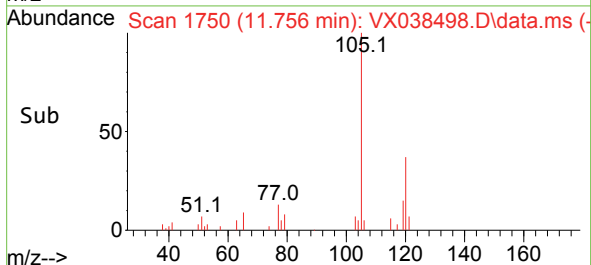
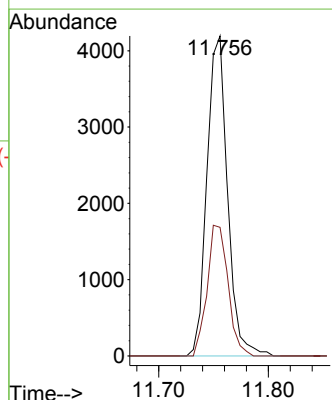
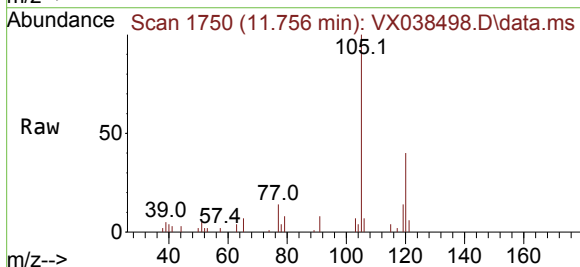
Instrument :
MSVOA_X
ClientSampleId :

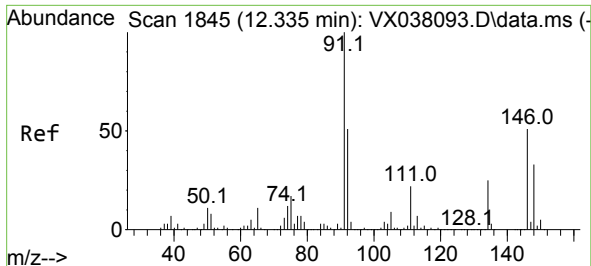
Tgt Ion: 75 Resp: 78932
Ion Ratio Lower Upper
75 100
53 0.0 90.5 135.7#
89 0.0 36.9 55.3#



#84
1,2,4-Trimethylbenzene
Concen: 0.528 ug/l
RT: 11.756 min Scan# 1750
Delta R.T. 0.006 min
Lab File: VX038498.D
Acq: 26 Oct 2023 05:11

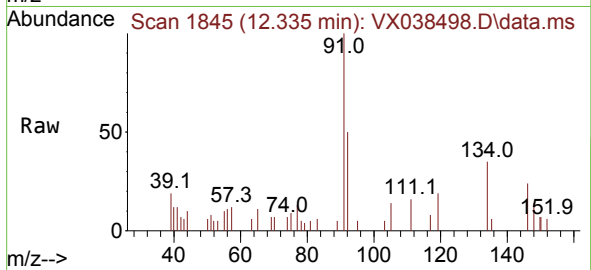
Tgt Ion: 105 Resp: 5459
Ion Ratio Lower Upper
105 100
120 41.6 21.2 63.6



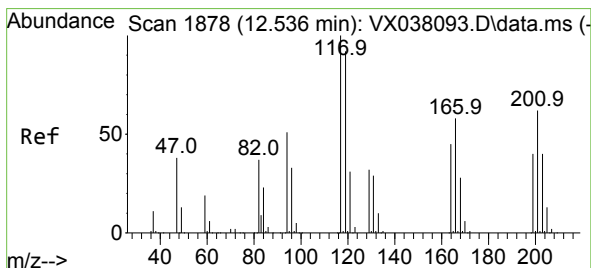
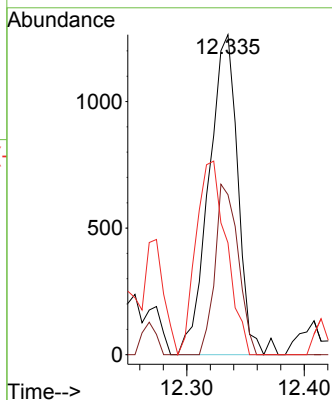
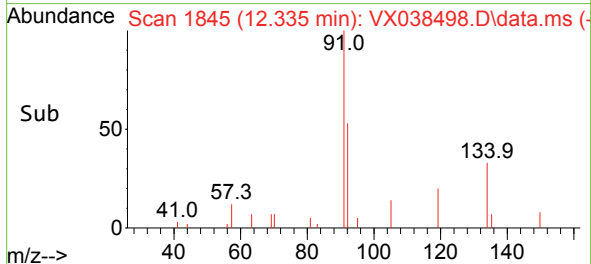


#89
n-Butylbenzene
Concen: 0.202 ug/l
RT: 12.335 min Scan# 1845
Delta R.T. 0.000 min
Lab File: VX038498.D
Acq: 26 Oct 2023 05:11

Instrument :
MSVOA_X
ClientSampleId :

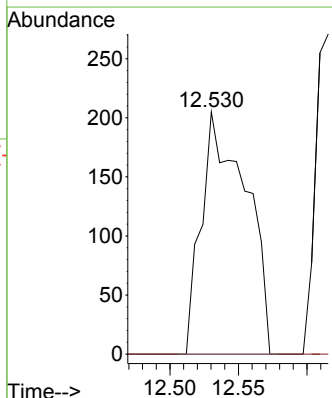
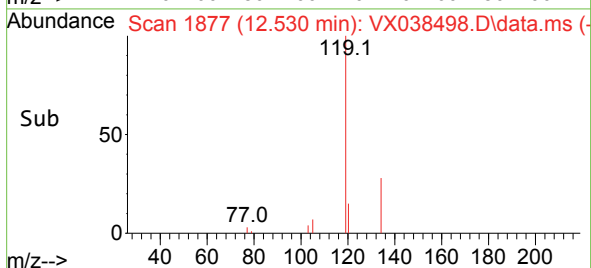
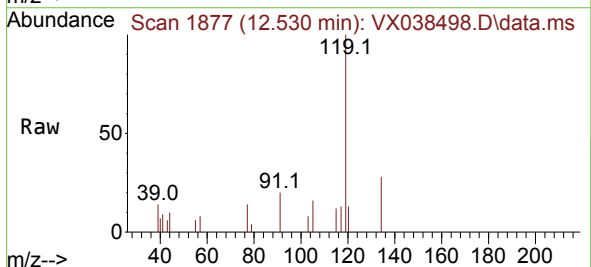


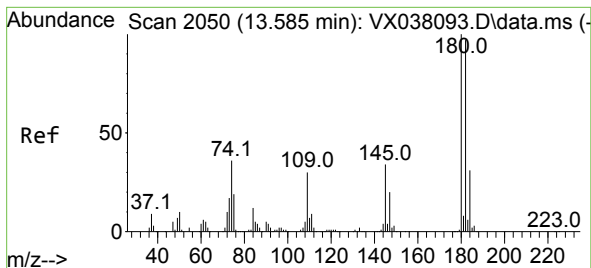
Tgt Ion: 91 Resp: 2176
Ion Ratio Lower Upper
91 100
92 42.5 27.4 82.0
134 63.5 12.6 37.8#



#90
Hexachloroethane
Concen: 0.258 ug/l
RT: 12.530 min Scan# 1877
Delta R.T. -0.006 min
Lab File: VX038498.D
Acq: 26 Oct 2023 05:11

Tgt Ion: 117 Resp: 463
Ion Ratio Lower Upper
117 100
201 0.0 32.9 98.6#





#93

1,2,4-Trichlorobenzene

Concen: 0.302 ug/l

RT: 13.591 min Scan# 2050

Delta R.T. 0.006 min

Lab File: VX038498.D

Acq: 26 Oct 2023 05:11

Instrument :

MSVOA_X

ClientSampleId :

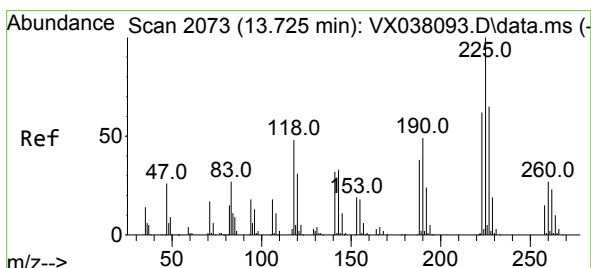
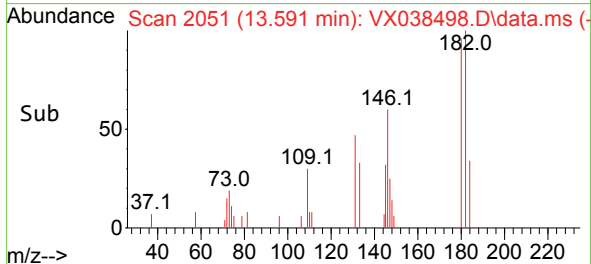
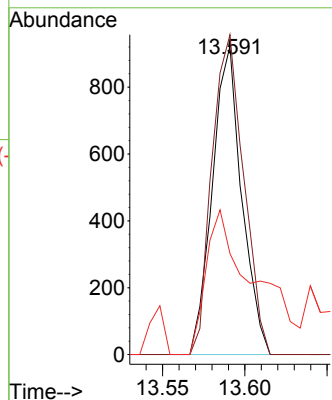
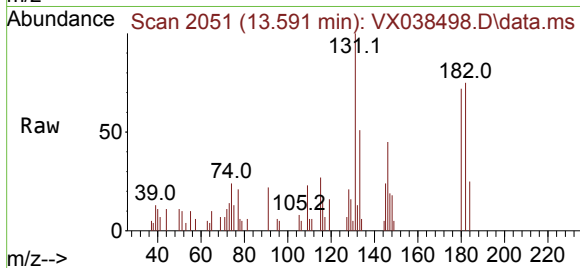
Tgt Ion:180 Resp: 1148

Ion Ratio Lower Upper

180 100

182 111.4 48.3 144.8

145 78.7 18.0 54.0#



#94

Hexachlorobutadiene

Concen: 0.290 ug/l

RT: 13.725 min Scan# 2073

Delta R.T. 0.000 min

Lab File: VX038498.D

Acq: 26 Oct 2023 05:11

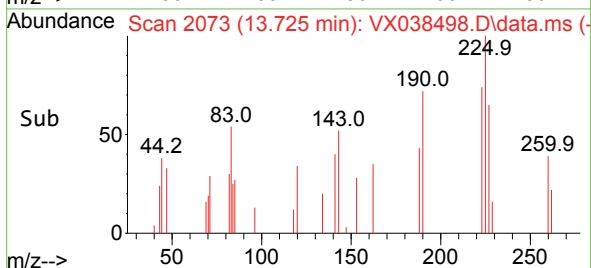
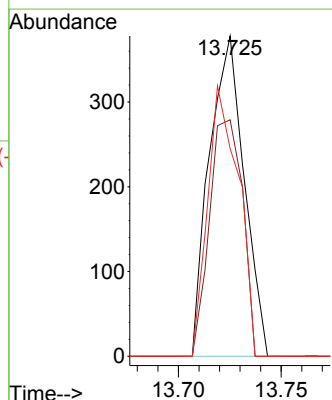
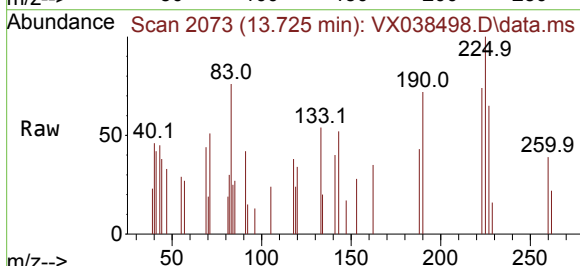
Tgt Ion:225 Resp: 443

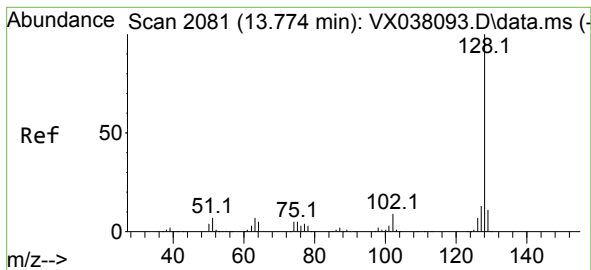
Ion Ratio Lower Upper

225 100

223 70.4 31.1 93.2

227 74.9 32.5 97.5





#95

Naphthalene

Concen: 0.560 ug/l

RT: 13.780 min Scan# 2081

Delta R.T. 0.006 min

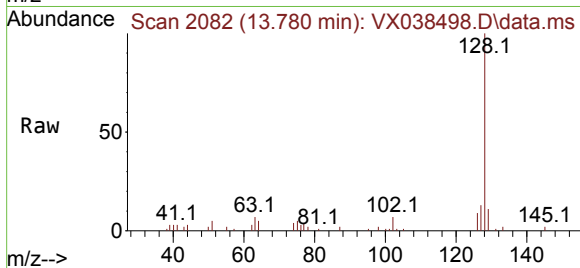
Lab File: VX038498.D

Acq: 26 Oct 2023 05:11

Instrument :

MSVOA_X

ClientSampleId :



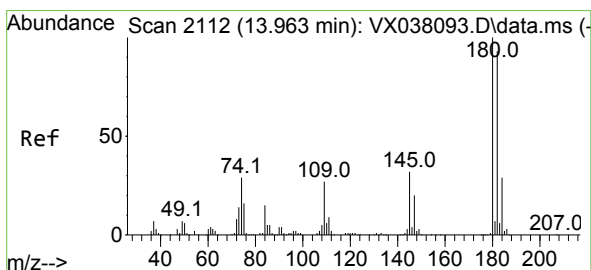
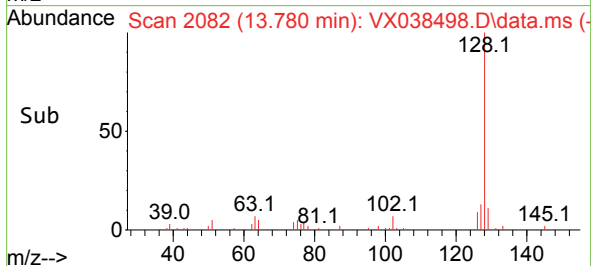
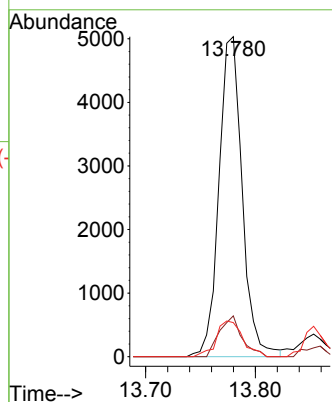
Tgt Ion:128 Resp: 7417

Ion Ratio Lower Upper

128 100

127 12.4 10.3 15.5

129 12.7 8.8 13.2



#96

1,2,3-Trichlorobenzene

Concen: 0.233 ug/l

RT: 13.963 min Scan# 2112

Delta R.T. -0.000 min

Lab File: VX038498.D

Acq: 26 Oct 2023 05:11

Tgt Ion:180 Resp: 858

Ion Ratio Lower Upper

180 100

182 93.8 46.9 140.6

145 57.9 17.8 53.5#

