

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX101223\
 Data File : VX038245.D
 Acq On : 12 Oct 2023 10:38
 Operator : JC/MD
 Sample : VX1012MBL01
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Oct 13 04:44:00 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

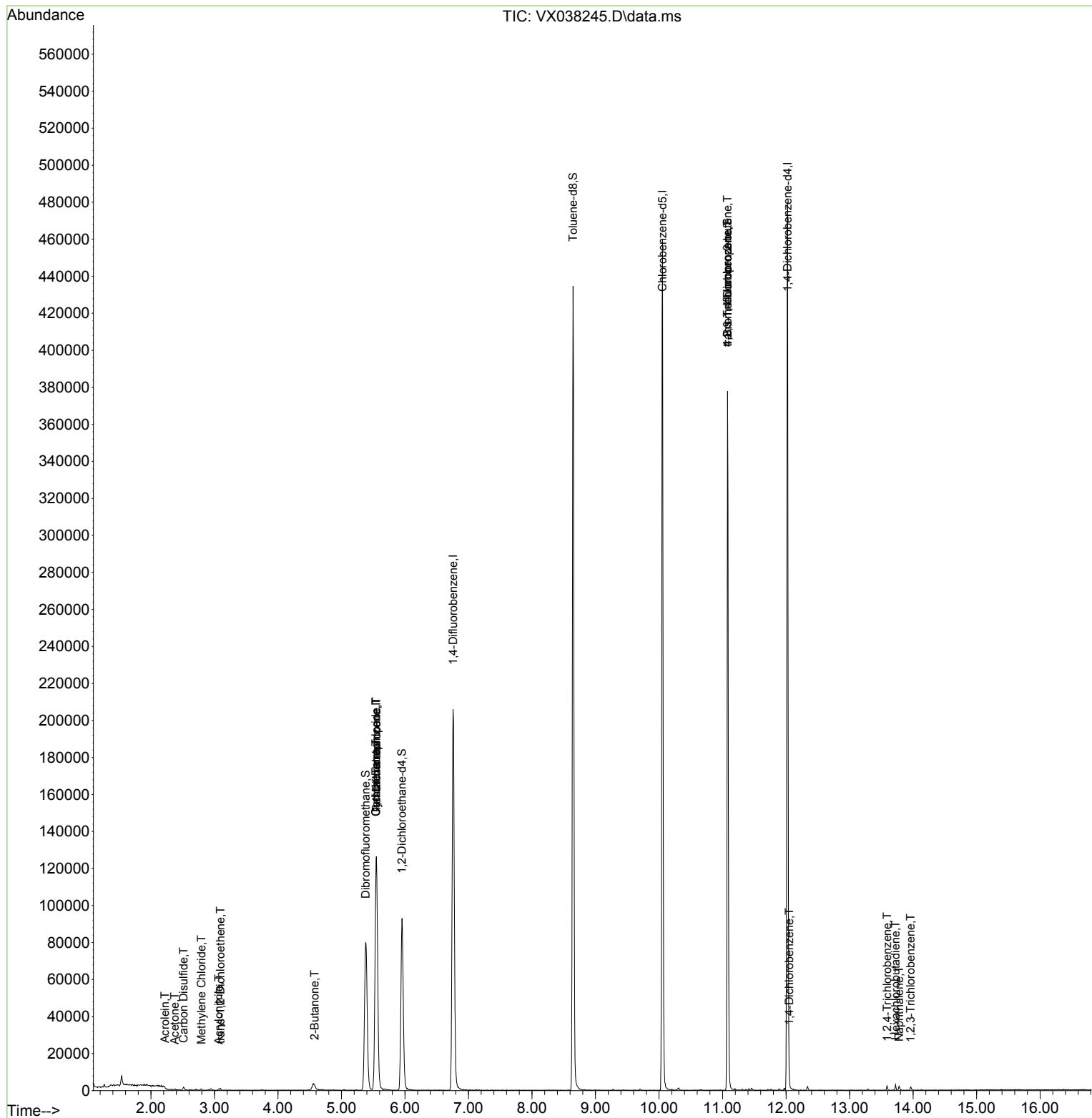
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.550	168	118117	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	213298	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	202999	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	98934	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	87708	46.166	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	=	92.340%
35) Dibromofluoromethane	5.379	113	69519	45.232	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	90.460%
50) Toluene-d8	8.647	98	263264	44.826	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	=	89.660%#
62) 4-Bromofluorobenzene	11.079	95	93585	42.032	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	84.060%
Target Compounds						
					Qvalue	
5) Bromomethane	1.611	94	143	Below Cal	#	3
6) Chloroethane	1.666	64	42	Below Cal	#	43
11) Tert butyl alcohol	2.946	59	615	Below Cal	#	78
13) Acrolein	2.221	56	123	0.455	ug/l #	8
15) Acrylonitrile	3.068	53	519	0.600	ug/l #	82
16) Acetone	2.373	43	476	0.600	ug/l #	70
17) Carbon Disulfide	2.514	76	1833	0.589	ug/l	96
20) Methylene Chloride	2.794	84	310	0.208	ug/l #	71
21) trans-1,2-Dichloroethene	3.093	96	320	0.239	ug/l #	71
25) 2-Butanone	4.574	43	308	0.241	ug/l #	51
31) Cyclohexane	5.543	56	2979	1.447	ug/l #	34
36) 1,1-Dichloropropene	5.550	75	10361	4.889	ug/l #	50
38) Carbon Tetrachloride	5.543	117	12239	5.870	ug/l #	16
76) 1,2,3-Trichloropropane	11.079	75	51437	22.870	ug/l #	38
81) trans-1,4-Dichloro-2-b...	11.079	75	51437	65.424	ug/l #	5
88) 1,4-Dichlorobenzene	12.048	146	676	0.204	ug/l #	20
93) 1,2,4-Trichlorobenzene	13.591	180	781	0.372	ug/l	80
94) Hexachlorobutadiene	13.725	225	498	0.590	ug/l	97
95) Naphthalene	13.780	128	1951	0.267	ug/l	95
96) 1,2,3-Trichlorobenzene	13.963	180	651	0.321	ug/l	94

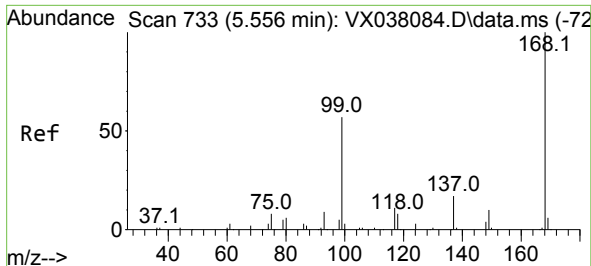
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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

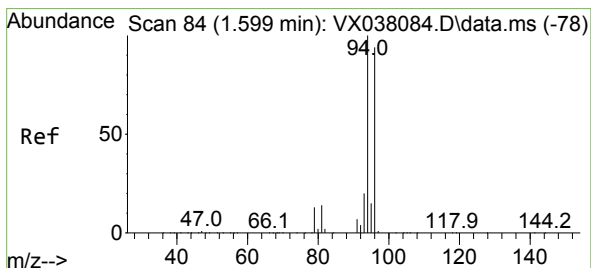
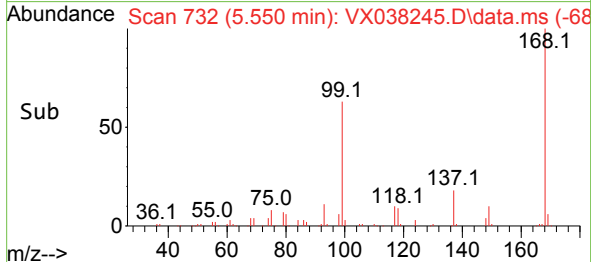
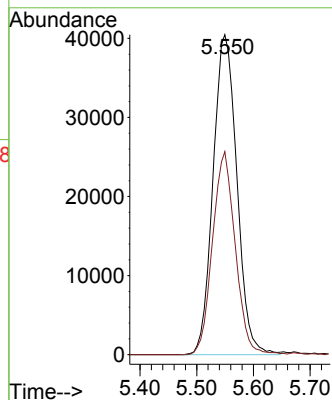
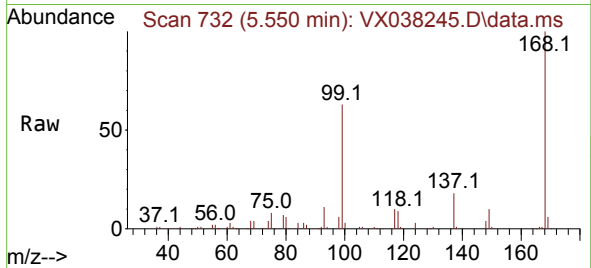




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.550 min Scan# 71
Delta R.T. -0.006 min
Lab File: VX038245.D
Acq: 12 Oct 2023 10:38

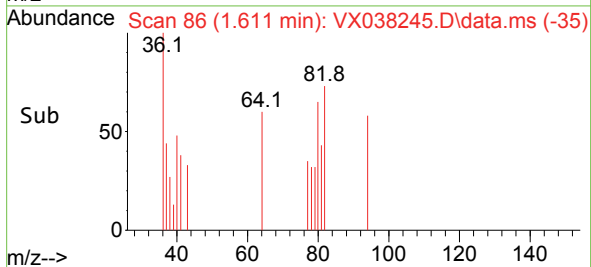
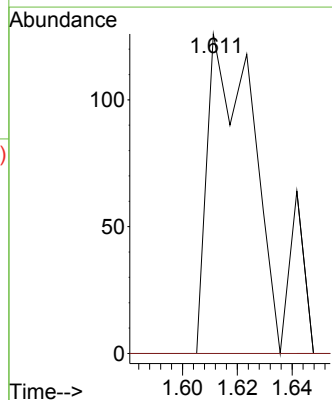
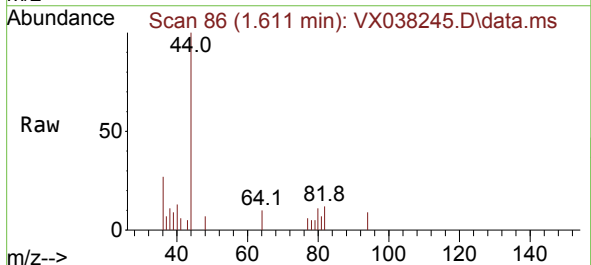
Instrument :
MSVOA_X
ClientSampleId :

Tgt Ion:168 Resp: 118117
Ion Ratio Lower Upper
168 100
99 63.4 56.6 85.0



#5
Bromomethane
Concen: Below Cal
RT: 1.611 min Scan# 86
Delta R.T. 0.012 min
Lab File: VX038245.D
Acq: 12 Oct 2023 10:38

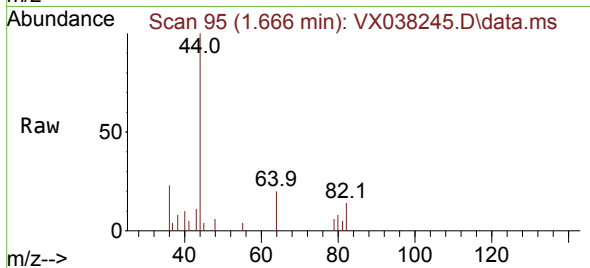
Tgt Ion: 94 Resp: 143
Ion Ratio Lower Upper
94 100
96 0.0 74.6 111.8#



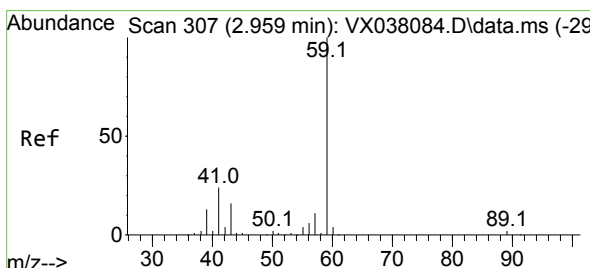
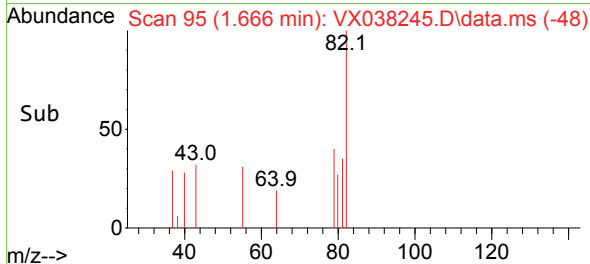
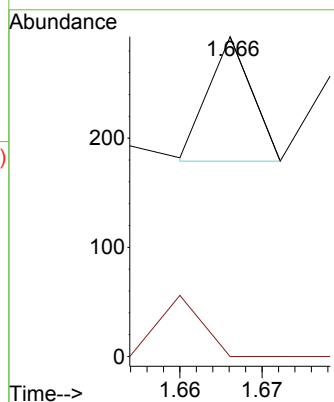


#6
Chloroethane
Concen: Below Cal
RT: 1.666 min Scan# 91
Delta R.T. -0.013 min
Lab File: VX038245.D
Acq: 12 Oct 2023 10:38

Instrument :
MSVOA_X
ClientSampleId :

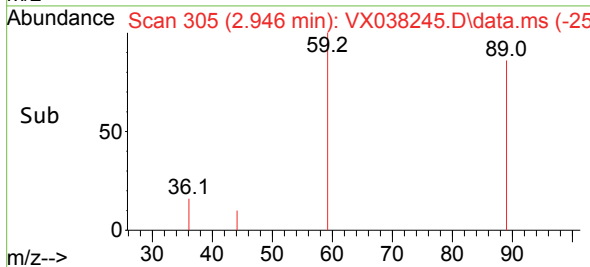
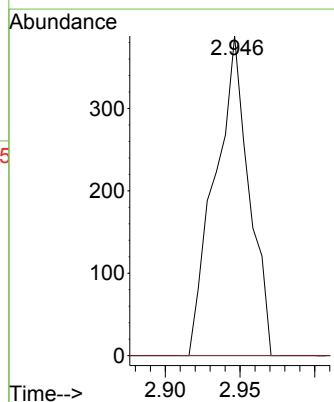
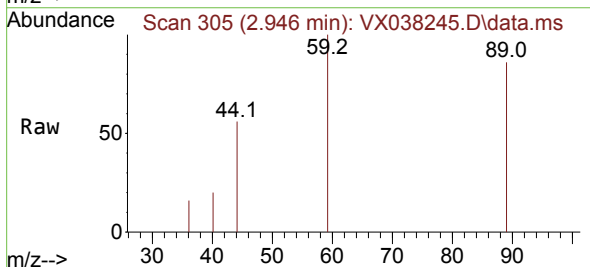


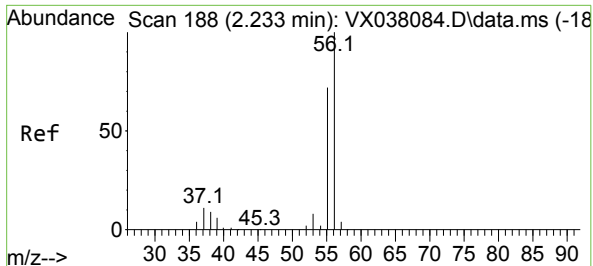
Tgt Ion: 64 Resp: 42
Ion Ratio Lower Upper
64 100
66 0.0 25.1 37.7#



#11
Tert butyl alcohol
Concen: Below Cal
RT: 2.946 min Scan# 305
Delta R.T. -0.013 min
Lab File: VX038245.D
Acq: 12 Oct 2023 10:38

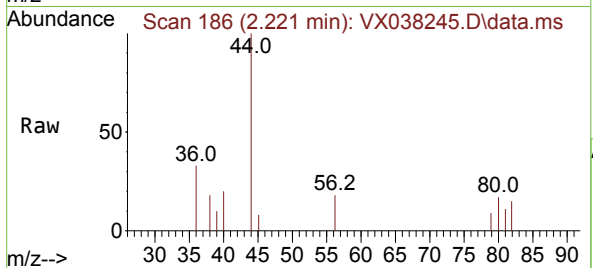
Tgt Ion: 59 Resp: 615
Ion Ratio Lower Upper
59 100
57 0.0 6.0 9.0#



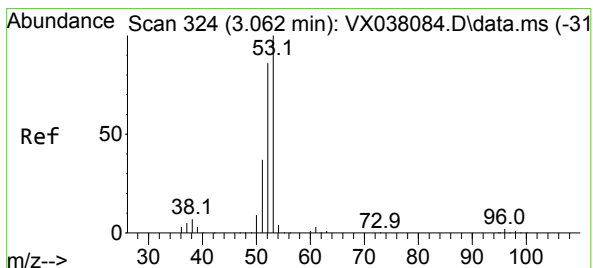
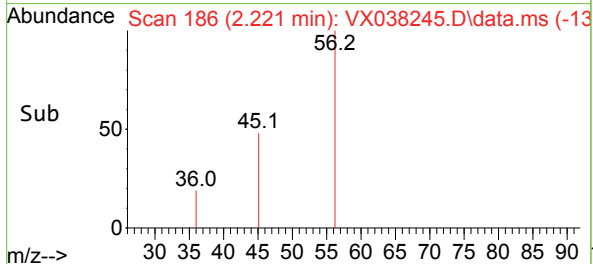
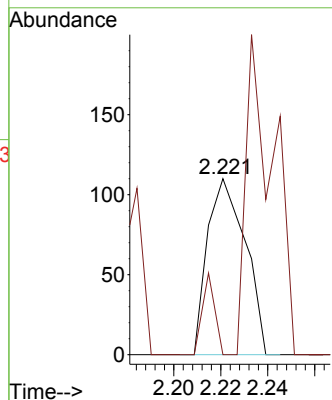


#13
Acrolein
Concen: 0.455 ug/l
RT: 2.221 min Scan# 11
Delta R.T. -0.012 min
Lab File: VX038245.D
Acq: 12 Oct 2023 10:38

Instrument :
MSVOA_X
ClientSampleId :

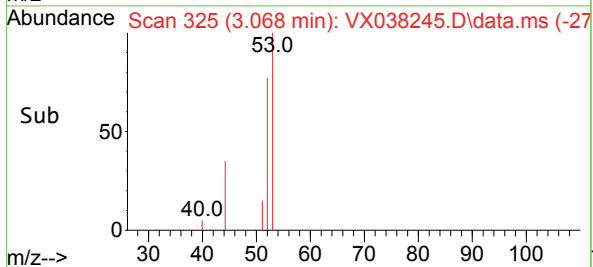
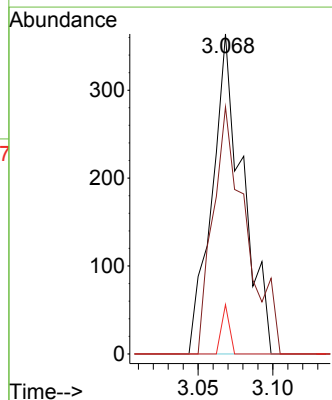
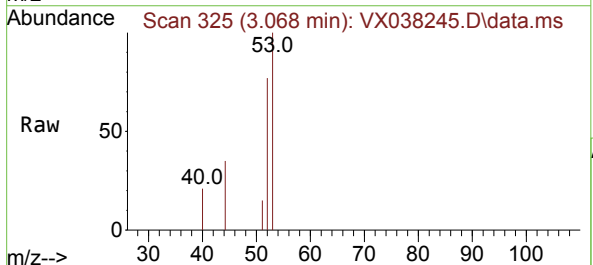


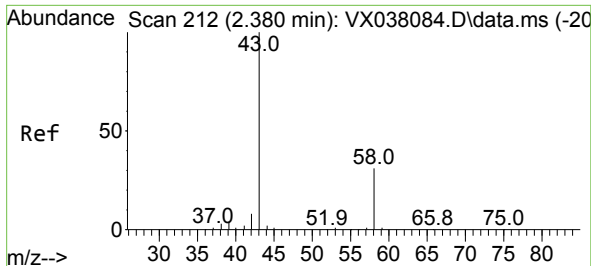
Tgt Ion: 56 Resp: 123
Ion Ratio Lower Upper
56 100
55 148.0 57.1 85.7#



#15
Acrylonitrile
Concen: 0.600 ug/l
RT: 3.068 min Scan# 325
Delta R.T. 0.006 min
Lab File: VX038245.D
Acq: 12 Oct 2023 10:38

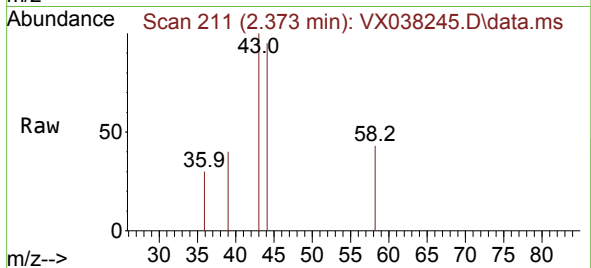
Tgt Ion: 53 Resp: 519
Ion Ratio Lower Upper
53 100
52 83.2 66.0 99.0
51 3.9 29.8 44.6#



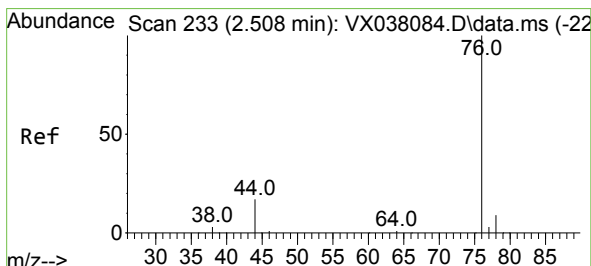
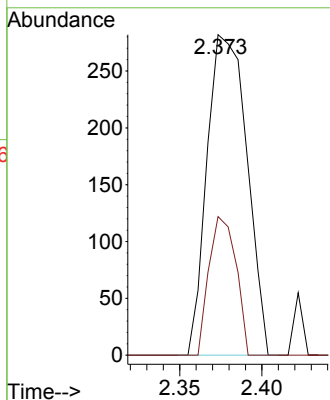
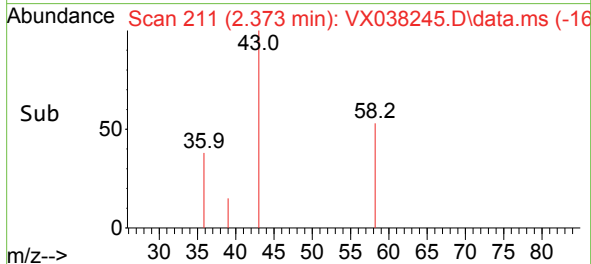


#16
Acetone
Concen: 0.600 ug/l
RT: 2.373 min Scan# 211
Delta R.T. -0.007 min
Lab File: VX038245.D
Acq: 12 Oct 2023 10:38

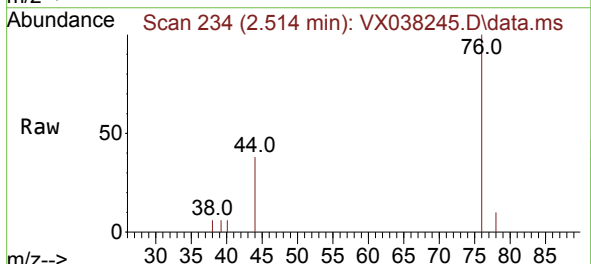
Instrument :
MSVOA_X
ClientSampleId :



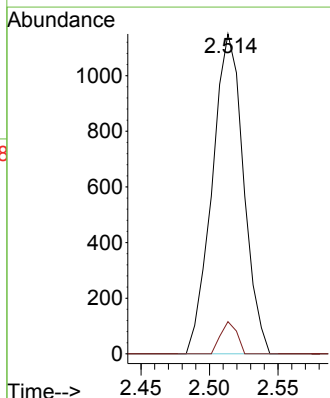
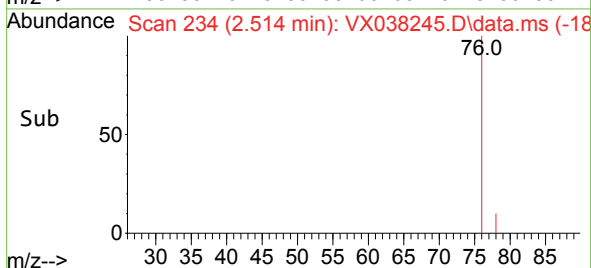
Tgt Ion: 43 Resp: 476
Ion Ratio Lower Upper
43 100
58 43.3 21.9 32.9#

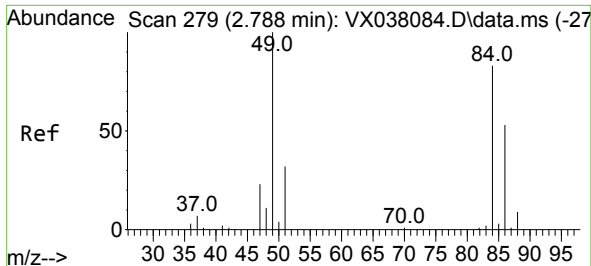


#17
Carbon Disulfide
Concen: 0.589 ug/l
RT: 2.514 min Scan# 234
Delta R.T. 0.006 min
Lab File: VX038245.D
Acq: 12 Oct 2023 10:38



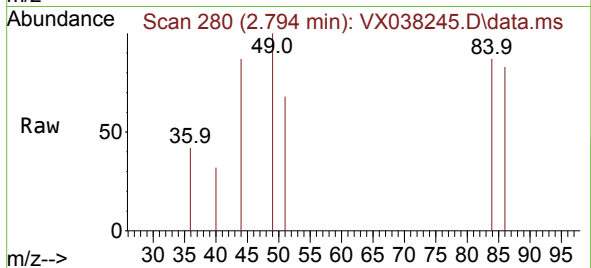
Tgt Ion: 76 Resp: 1833
Ion Ratio Lower Upper
76 100
78 10.1 7.0 10.6



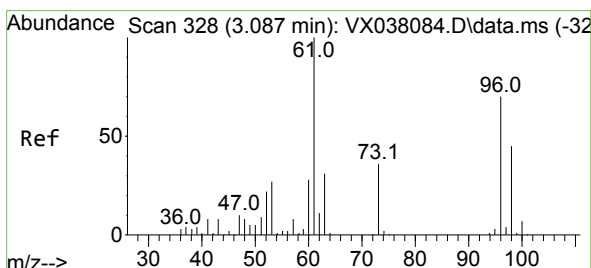
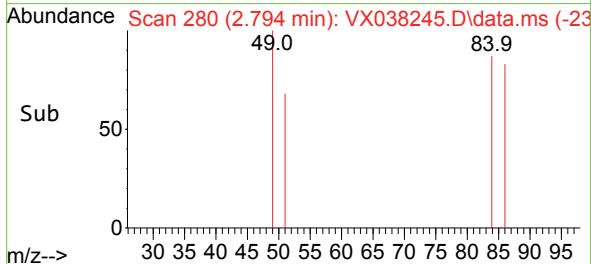
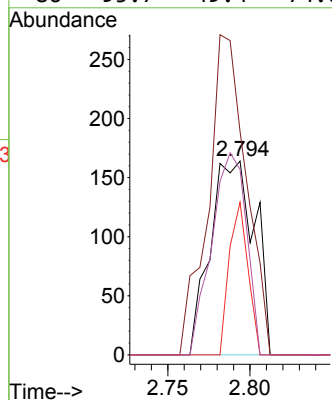


#20
Methylene Chloride
Concen: 0.208 ug/l
RT: 2.794 min Scan# 21
Delta R.T. 0.006 min
Lab File: VX038245.D
Acq: 12 Oct 2023 10:38

Instrument :
MSVOA_X
ClientSampleId :

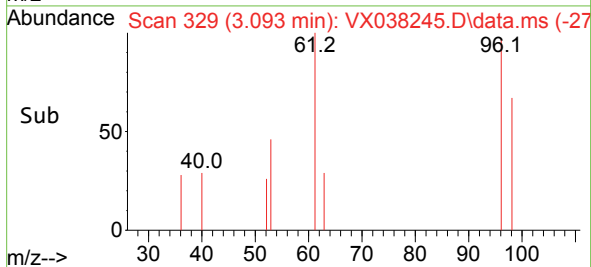
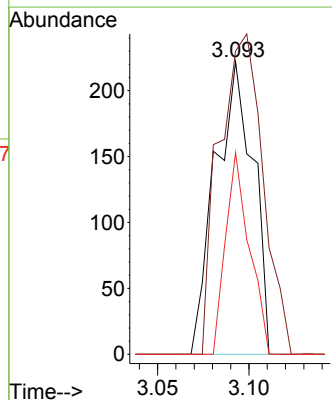
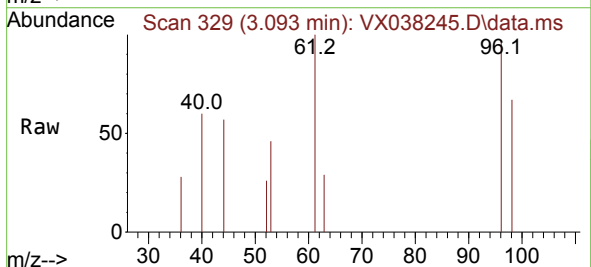


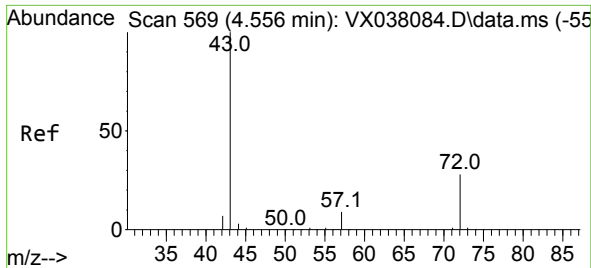
Tgt Ion: 84 Resp: 310
Ion Ratio Lower Upper
84 100
49 115.2 103.6 155.4
51 78.7 33.8 50.6#
86 95.7 49.4 74.0#



#21
trans-1,2-Dichloroethene
Concen: 0.239 ug/l
RT: 3.093 min Scan# 329
Delta R.T. 0.006 min
Lab File: VX038245.D
Acq: 12 Oct 2023 10:38

Tgt Ion: 96 Resp: 320
Ion Ratio Lower Upper
96 100
61 103.6 119.2 178.8#
98 68.9 48.7 73.1

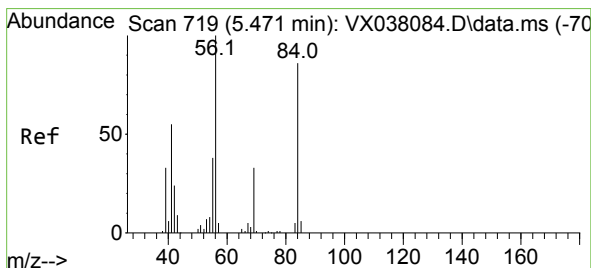
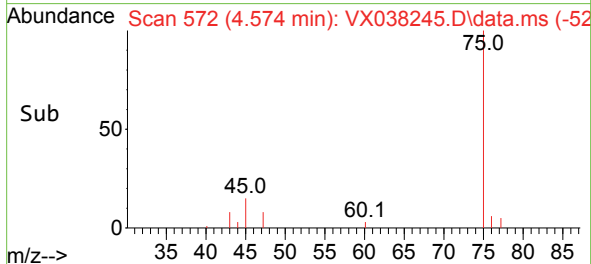
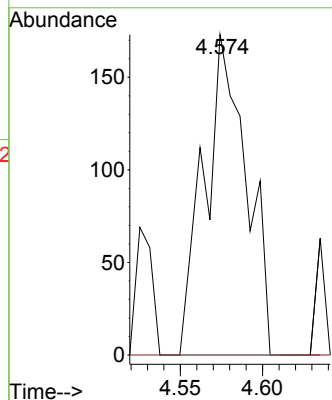
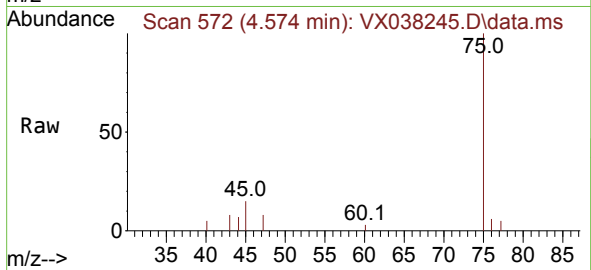




#25
2-Butanone
Concen: 0.241 ug/l
RT: 4.574 min Scan# 51
Delta R.T. 0.018 min
Lab File: VX038245.D
Acq: 12 Oct 2023 10:38

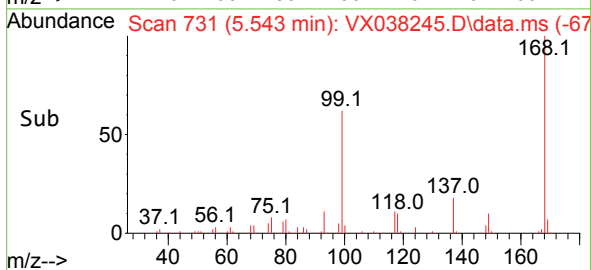
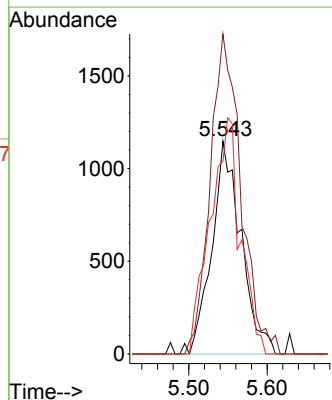
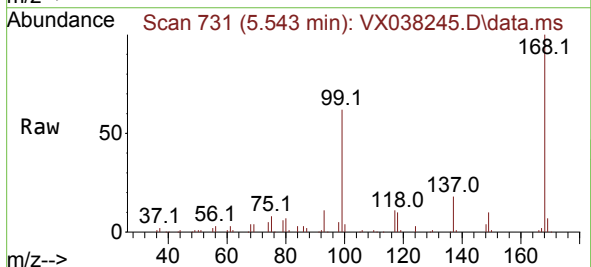
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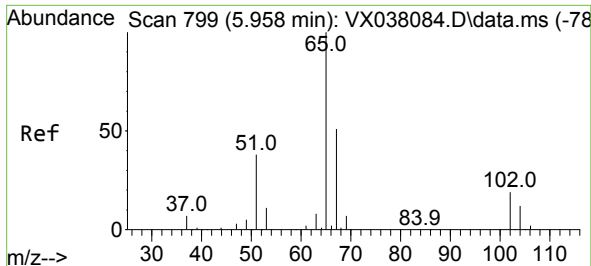
Tgt Ion: 43 Resp: 308
Ion Ratio Lower Upper
43 100
72 0.0 19.4 29.2#



#31
Cyclohexane
Concen: 1.447 ug/l
RT: 5.543 min Scan# 731
Delta R.T. 0.072 min
Lab File: VX038245.D
Acq: 12 Oct 2023 10:38

Tgt Ion: 56 Resp: 2979
Ion Ratio Lower Upper
56 100
69 150.3 23.4 35.2#
84 90.5 65.9 98.9





#33

1,2-Dichloroethane-d4

Concen: 46.166 ug/l

RT: 5.952 min Scan# 799

Delta R.T. -0.006 min

Lab File: VX038245.D

Acq: 12 Oct 2023 10:38

Instrument :

MSVOA_X

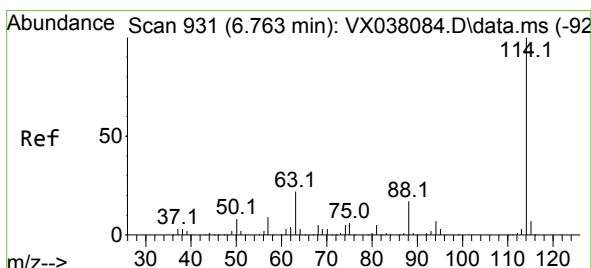
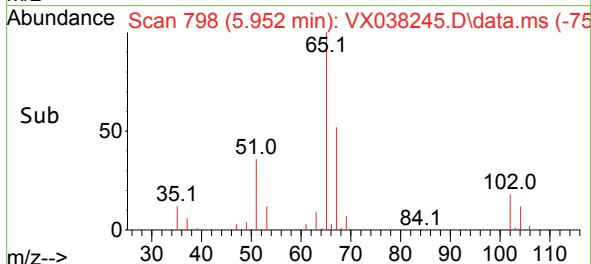
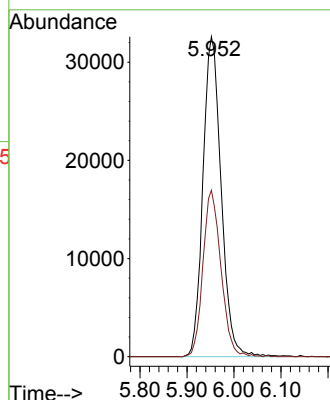
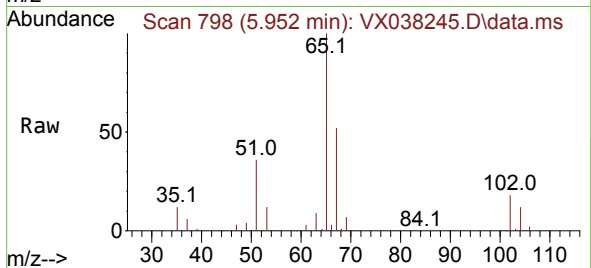
ClientSampleId :

Tgt Ion: 65 Resp: 87708

Ion Ratio Lower Upper

65 100

67 51.4 0.0 100.2



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.757 min Scan# 930

Delta R.T. -0.006 min

Lab File: VX038245.D

Acq: 12 Oct 2023 10:38

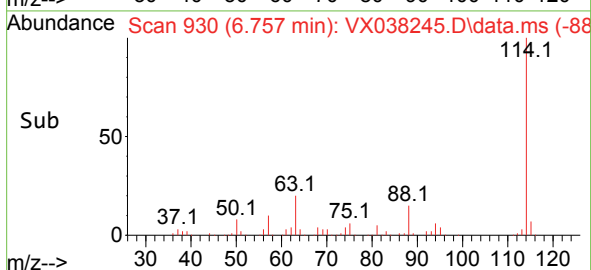
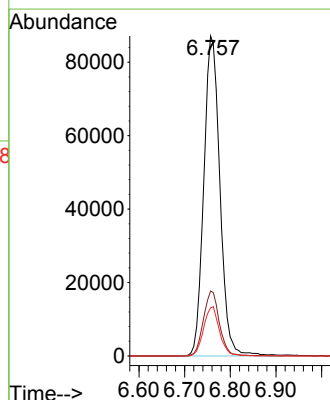
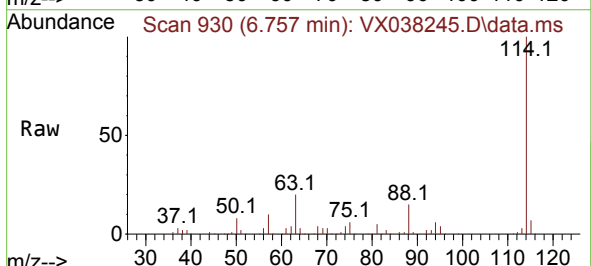
Tgt Ion: 114 Resp: 213298

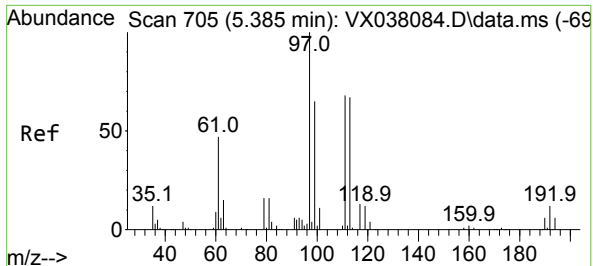
Ion Ratio Lower Upper

114 100

63 20.3 0.0 45.0

88 15.1 0.0 36.6





#35

Dibromofluoromethane

Concen: 45.232 ug/l

RT: 5.379 min Scan# 705

Delta R.T. -0.006 min

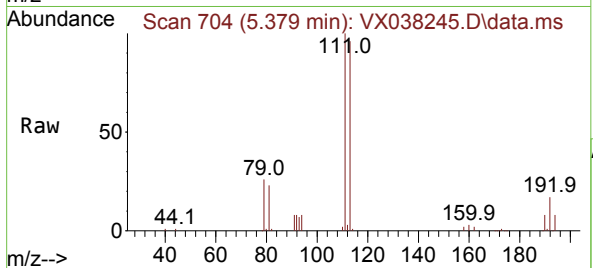
Lab File: VX038245.D

Acq: 12 Oct 2023 10:38

Instrument :

MSVOA_X

ClientSampleId :



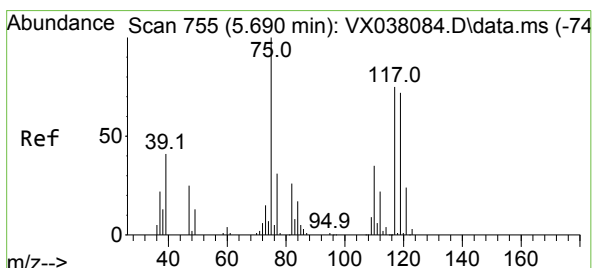
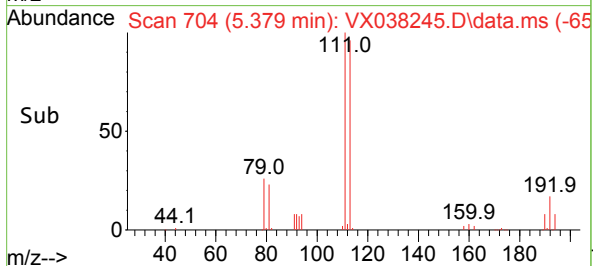
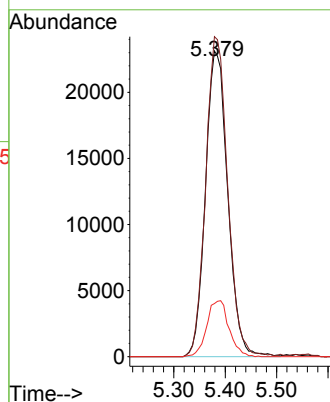
Tgt Ion:113 Resp: 69519

Ion Ratio Lower Upper

113 100

111 103.5 82.9 124.3

192 18.3 13.3 19.9



#36

1,1-Dichloropropene

Concen: 4.889 ug/l

RT: 5.550 min Scan# 732

Delta R.T. -0.140 min

Lab File: VX038245.D

Acq: 12 Oct 2023 10:38

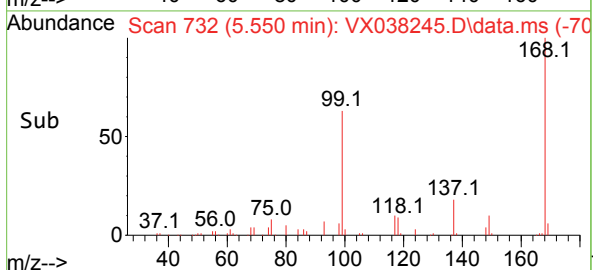
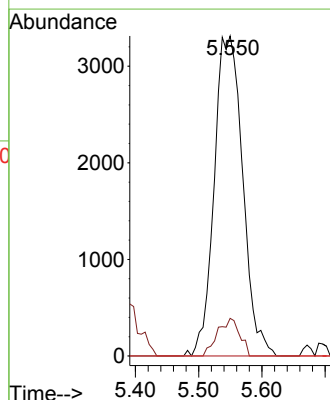
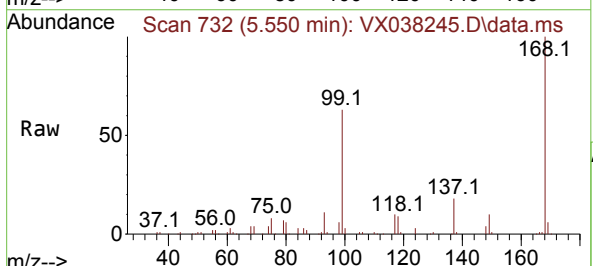
Tgt Ion: 75 Resp: 10361

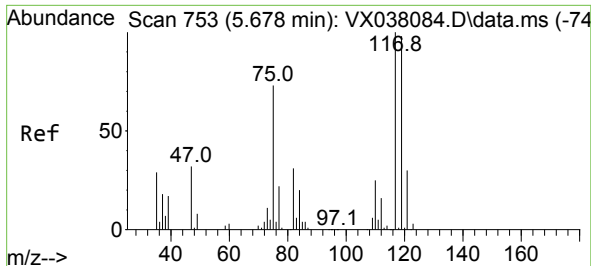
Ion Ratio Lower Upper

75 100

110 9.1 17.0 50.9#

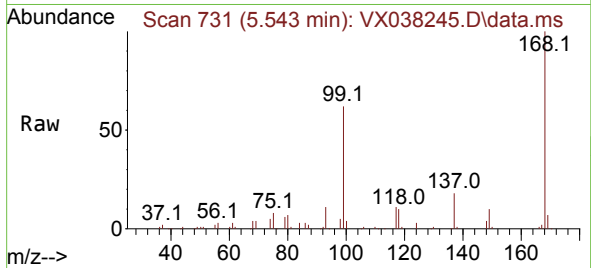
77 0.0 24.7 37.1#



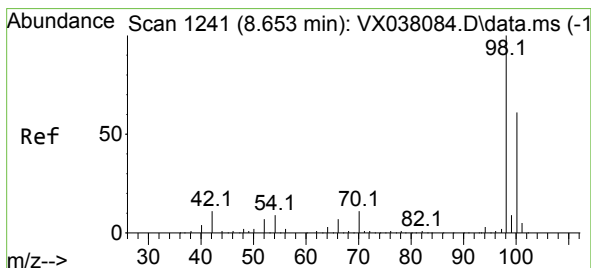
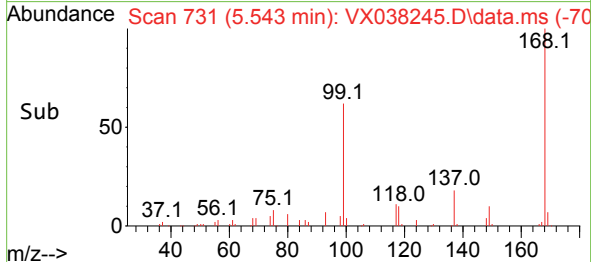
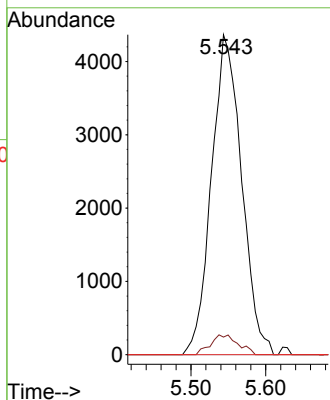


#38
Carbon Tetrachloride
Concen: 5.870 ug/l
RT: 5.543 min Scan# 71
Delta R.T. -0.135 min
Lab File: VX038245.D
Acq: 12 Oct 2023 10:38

Instrument :
MSVOA_X
ClientSampleId :

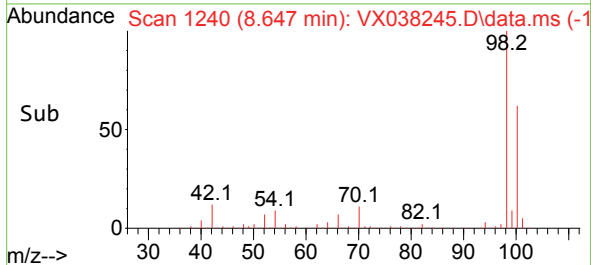
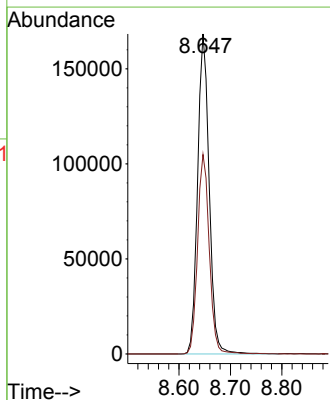
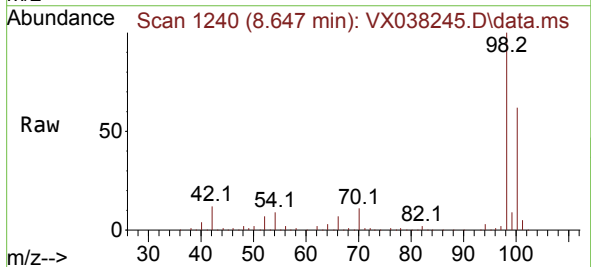


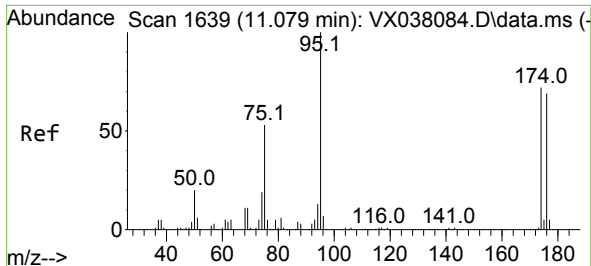
Tgt Ion:117 Resp: 12239
Ion Ratio Lower Upper
117 100
119 5.5 78.2 117.2#
121 0.0 24.4 36.6#



#50
Toluene-d8
Concen: 44.826 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. -0.006 min
Lab File: VX038245.D
Acq: 12 Oct 2023 10:38

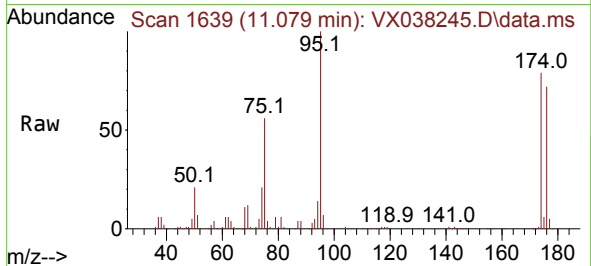
Tgt Ion: 98 Resp: 263264
Ion Ratio Lower Upper
98 100
100 63.1 53.1 79.7



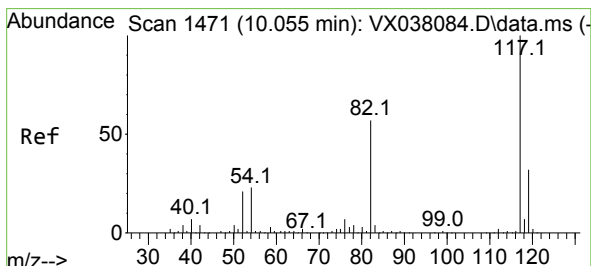
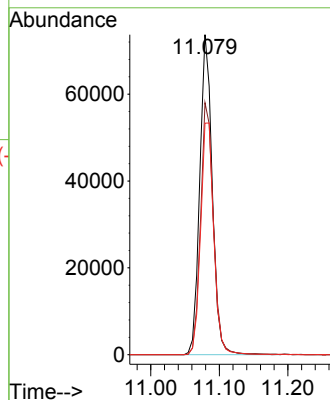
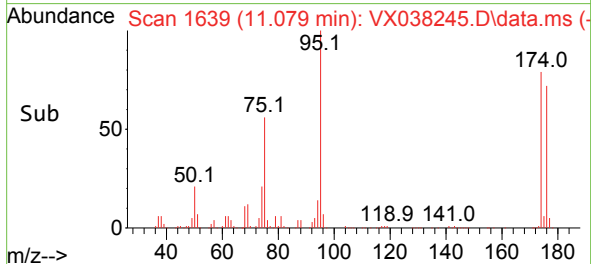


#62
4-Bromofluorobenzene
Concen: 42.032 ug/l
RT: 11.079 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX038245.D
Acq: 12 Oct 2023 10:38

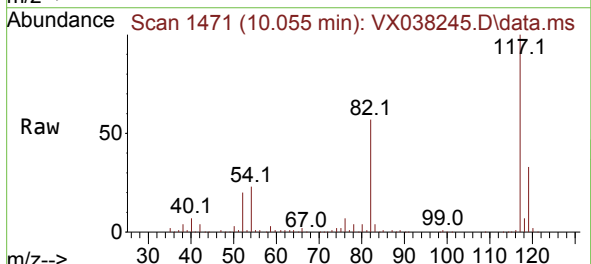
Instrument :
MSVOA_X
ClientSampleId :



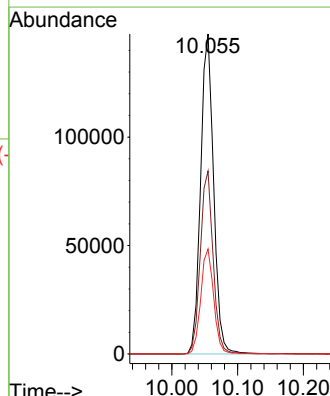
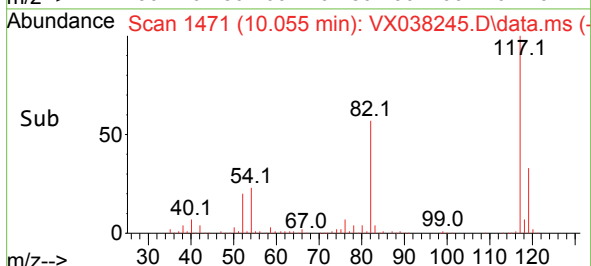
Tgt Ion: 95 Resp: 93585
Ion Ratio Lower Upper
95 100
174 81.0 0.0 135.6
176 76.6 0.0 131.0

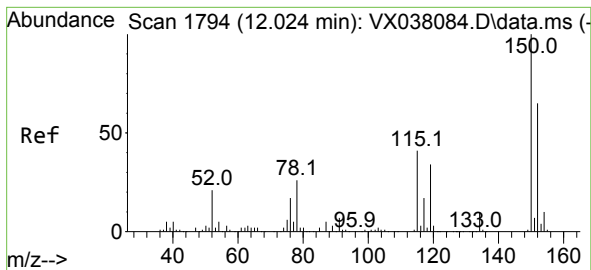


#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. -0.000 min
Lab File: VX038245.D
Acq: 12 Oct 2023 10:38



Tgt Ion: 117 Resp: 202999
Ion Ratio Lower Upper
117 100
82 57.2 46.2 69.4
119 32.8 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: VX038245.D

Acq: 12 Oct 2023 10:38

Instrument :

MSVOA_X

ClientSampleId :

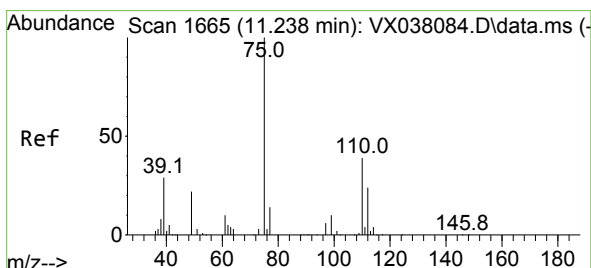
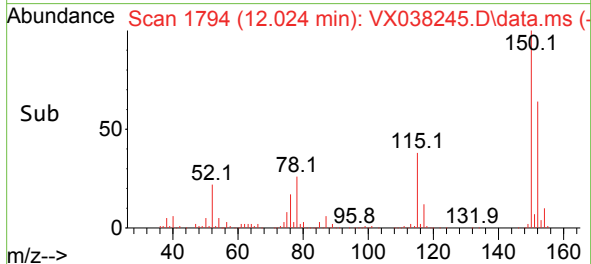
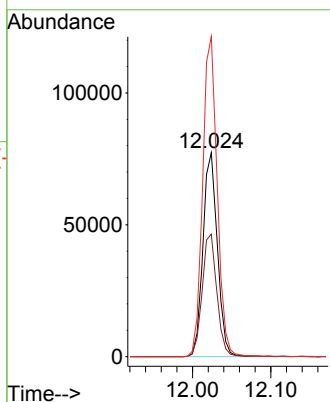
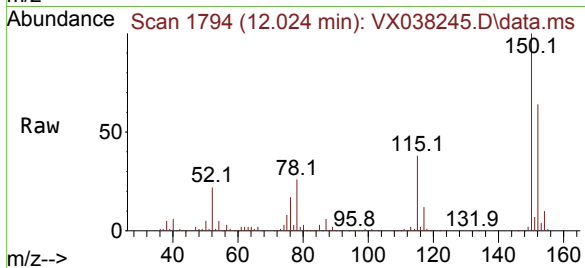
Tgt Ion:152 Resp: 98934

Ion Ratio Lower Upper

152 100

115 60.9 43.3 129.9

150 158.0 0.0 345.0



#76

1,2,3-Trichloropropane

Concen: 22.870 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. -0.159 min

Lab File: VX038245.D

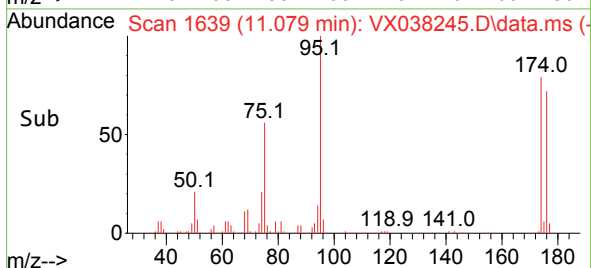
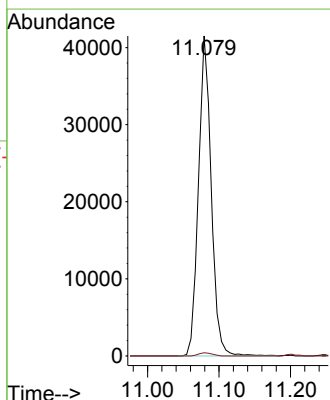
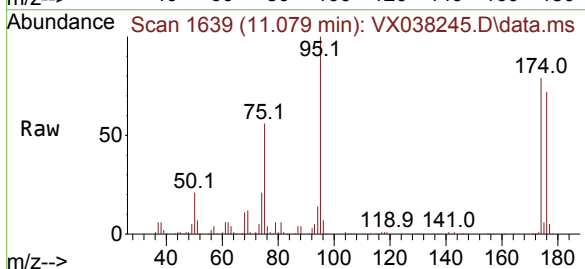
Acq: 12 Oct 2023 10:38

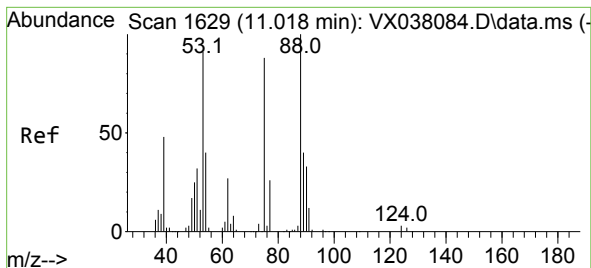
Tgt Ion: 75 Resp: 51437

Ion Ratio Lower Upper

75 100

77 1.1 19.1 57.5#

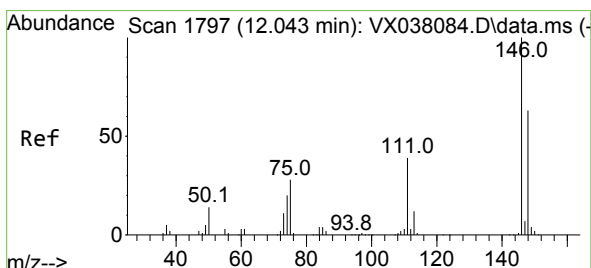
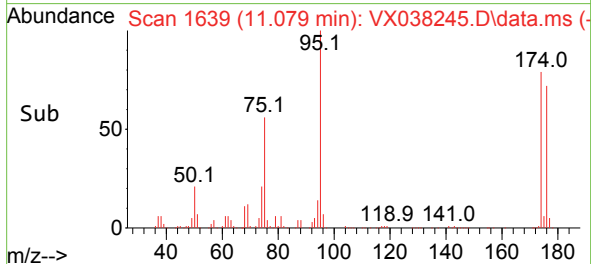
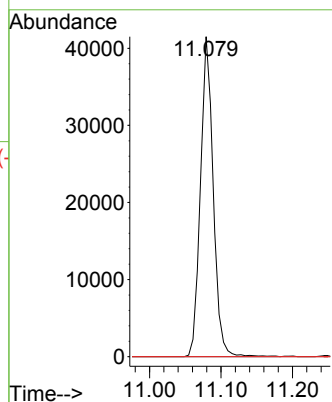
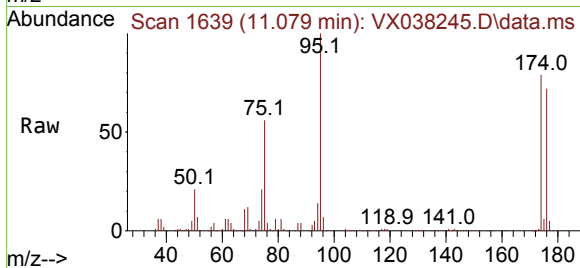




#81
 trans-1,4-Dichloro-2-butene
 Concen: 65.424 ug/l
 RT: 11.079 min Scan# 1639
 Delta R.T. 0.061 min
 Lab File: VX038245.D
 Acq: 12 Oct 2023 10:38

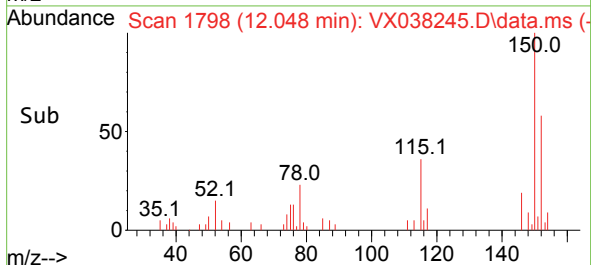
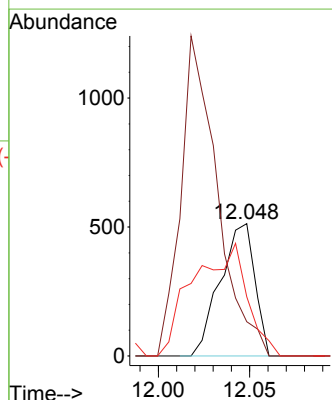
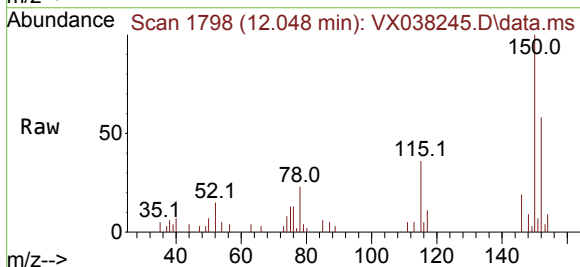
Instrument :
 MSVOA_X
 ClientSampleId :

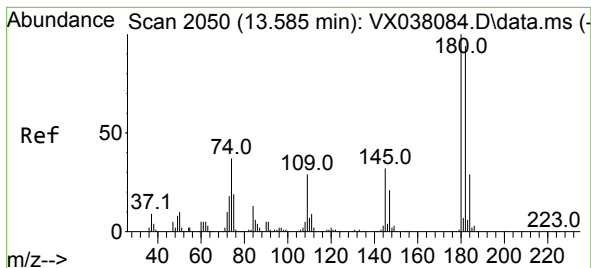
Tgt Ion: 75 Resp: 51437
 Ion Ratio Lower Upper
 75 100
 53 0.0 90.5 135.7#
 89 0.0 36.9 55.3#



#88
 1,4-Dichlorobenzene
 Concen: 0.204 ug/l
 RT: 12.048 min Scan# 1798
 Delta R.T. 0.005 min
 Lab File: VX038245.D
 Acq: 12 Oct 2023 10:38

Tgt Ion: 146 Resp: 676
 Ion Ratio Lower Upper
 146 100
 111 0.0 21.3 63.7#
 148 132.4 31.8 95.4#





#93

1,2,4-Trichlorobenzene

Concen: 0.372 ug/l

RT: 13.591 min Scan# 2050

Delta R.T. 0.006 min

Lab File: VX038245.D

Acq: 12 Oct 2023 10:38

Instrument :

MSVOA_X

ClientSampleId :

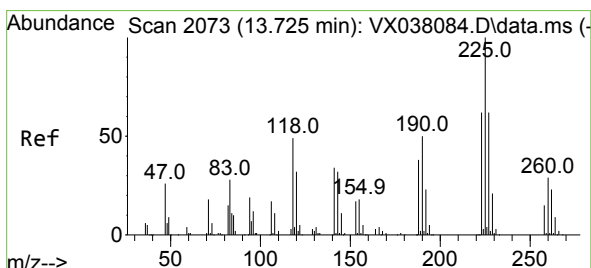
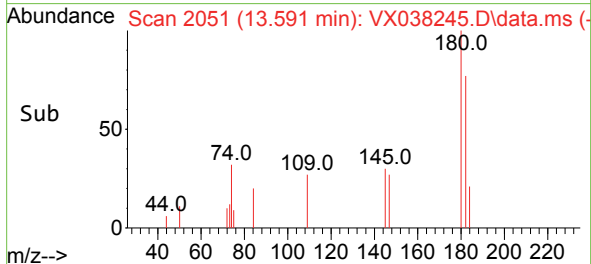
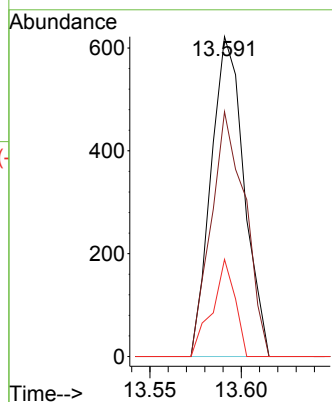
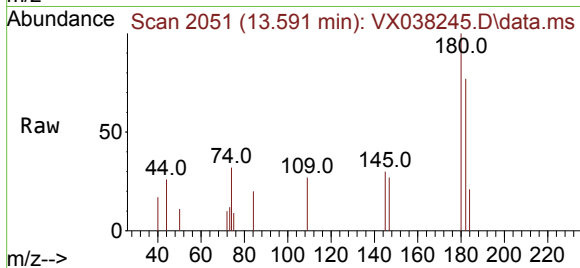
Tgt Ion:180 Resp: 781

Ion Ratio Lower Upper

180 100

182 78.7 48.3 144.8

145 21.1 18.0 54.0



#94

Hexachlorobutadiene

Concen: 0.590 ug/l

RT: 13.725 min Scan# 2073

Delta R.T. -0.000 min

Lab File: VX038245.D

Acq: 12 Oct 2023 10:38

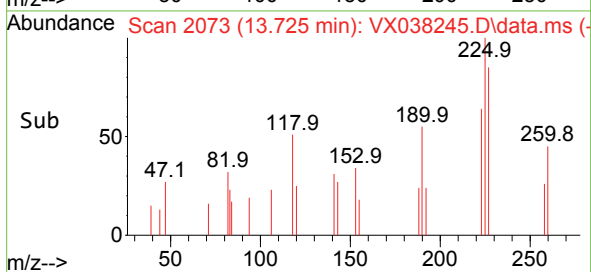
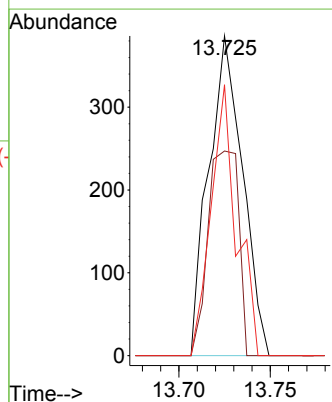
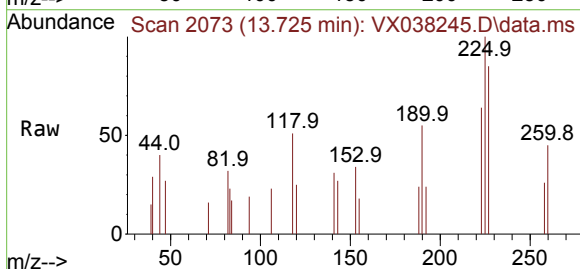
Tgt Ion:225 Resp: 498

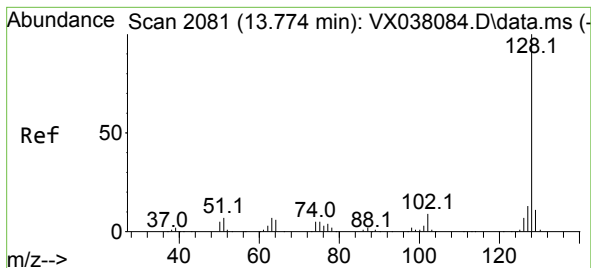
Ion Ratio Lower Upper

225 100

223 58.0 31.1 93.2

227 64.1 32.5 97.5





#95

Naphthalene

Concen: 0.267 ug/l

RT: 13.780 min Scan# 2081

Delta R.T. 0.006 min

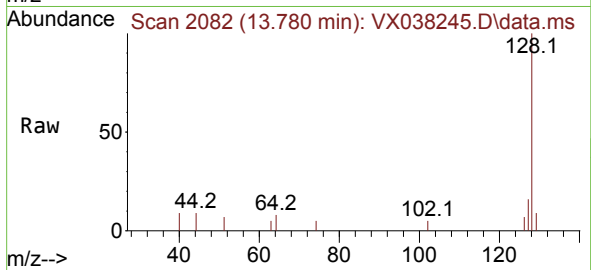
Lab File: VX038245.D

Acq: 12 Oct 2023 10:38

Instrument :

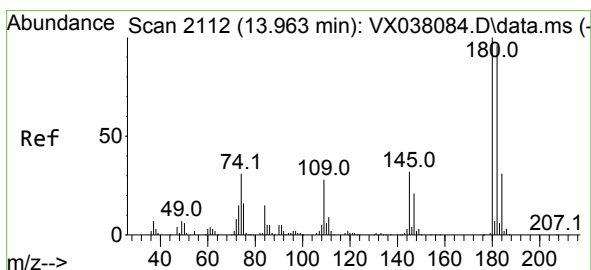
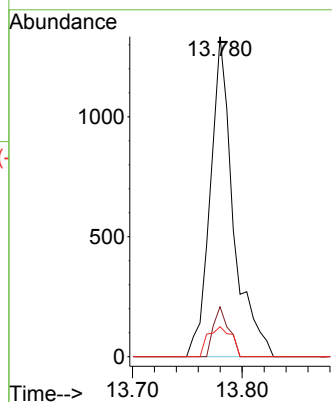
MSVOA_X

ClientSampleId :



Tgt Ion:128 Resp: 1951

Ion	Ratio	Lower	Upper
128	100		
127	10.4	10.3	15.5
129	9.5	8.8	13.2



#96

1,2,3-Trichlorobenzene

Concen: 0.321 ug/l

RT: 13.963 min Scan# 2112

Delta R.T. -0.000 min

Lab File: VX038245.D

Acq: 12 Oct 2023 10:38

Tgt Ion:180 Resp: 651

Ion	Ratio	Lower	Upper
180	100		
182	100.0	46.9	140.6
145	33.3	17.8	53.5

