

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX101123\
 Data File : VX038220.D
 Acq On : 11 Oct 2023 11:40
 Operator : JC/MD
 Sample : 04782-05RE
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Oct 12 02:41:29 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

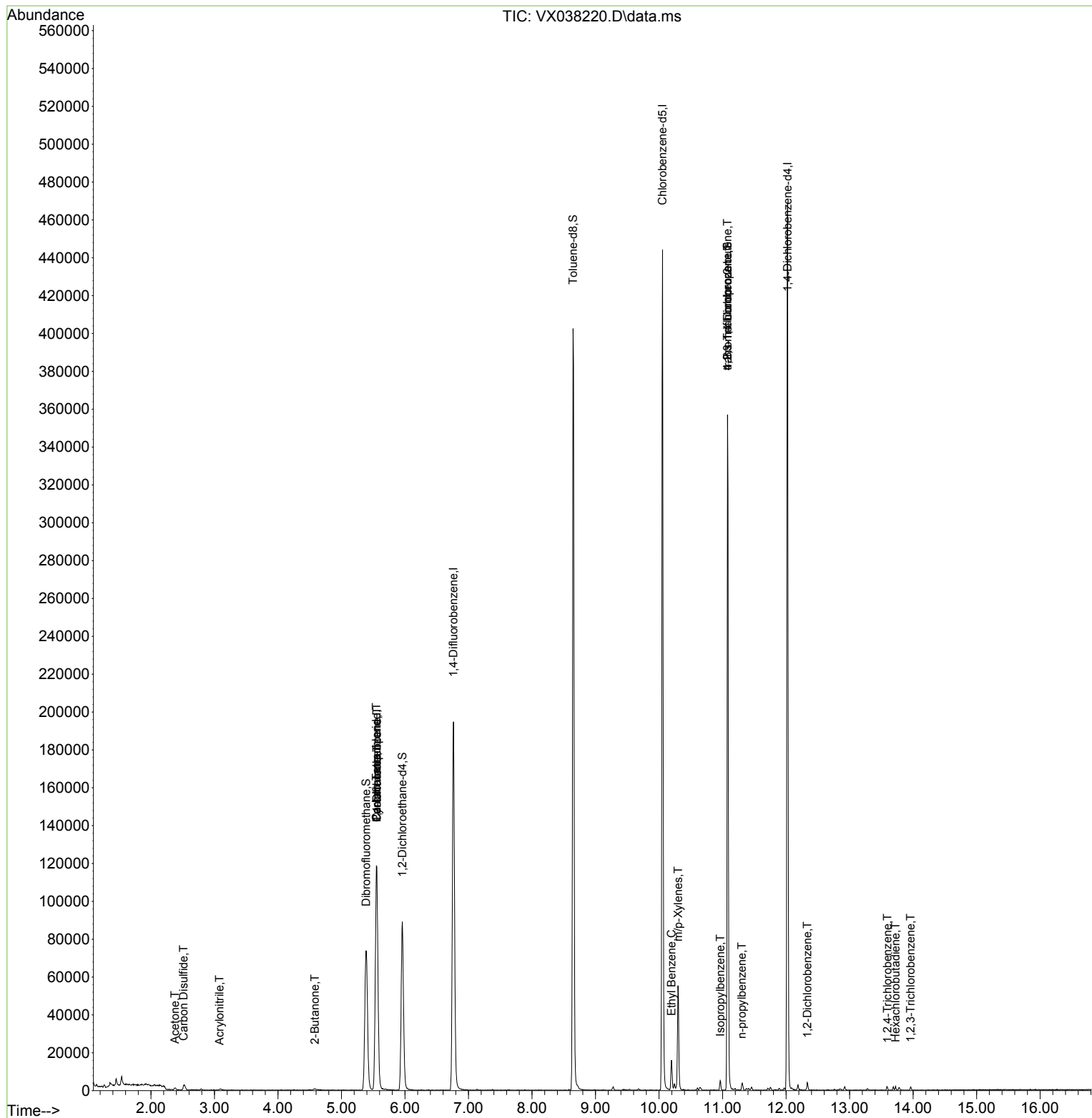
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.556	168	110522	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	197587	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	191426	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	95631	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	82450	46.381	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	=	92.760%
35) Dibromofluoromethane	5.385	113	65352	45.902	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	91.800%
50) Toluene-d8	8.647	98	243634	44.782	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	=	89.560%#
62) 4-Bromofluorobenzene	11.079	95	88962	43.132	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	86.260%
Target Compounds						
					Qvalue	
5) Bromomethane	1.611	94	37	Below Cal	#	3
6) Chloroethane	1.691	64	133	Below Cal	#	53
11) Tert butyl alcohol	2.947	59	32	Below Cal	#	78
15) Acrylonitrile	3.081	53	211	0.261	ug/l #	77
16) Acetone	2.380	43	1254	1.690	ug/l	90
17) Carbon Disulfide	2.514	76	2008	0.689	ug/l	100
25) 2-Butanone	4.580	43	1078	0.901	ug/l	93
31) Cyclohexane	5.556	56	2688	1.396	ug/l #	21
36) 1,1-Dichloropropene	5.556	75	9462	4.819	ug/l #	51
38) Carbon Tetrachloride	5.550	117	11974	6.200	ug/l #	15
67) Ethyl Benzene	10.195	91	9532	1.333	ug/l	99
68) m/p-Xylenes	10.299	106	12606	4.560	ug/l	95
73) Isopropylbenzene	10.963	105	2720	0.424	ug/l	94
76) 1,2,3-Trichloropropane	11.079	75	50109	23.049	ug/l #	38
78) n-propylbenzene	11.305	91	1654	0.211	ug/l	91
81) trans-1,4-Dichloro-2-b...	11.079	75	50109	65.905	ug/l #	5
91) 1,2-Dichlorobenzene	12.335	146	696	0.230	ug/l	93
93) 1,2,4-Trichlorobenzene	13.597	180	542	0.267	ug/l	83
94) Hexachlorobutadiene	13.725	225	330	0.404	ug/l	78
96) 1,2,3-Trichlorobenzene	13.963	180	567	0.289	ug/l	96

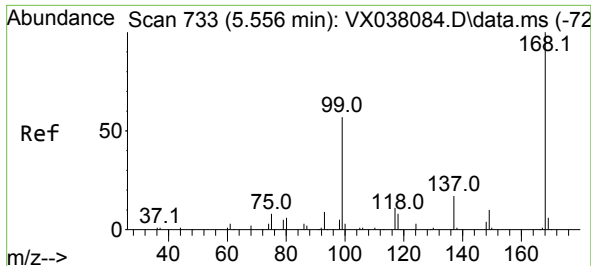
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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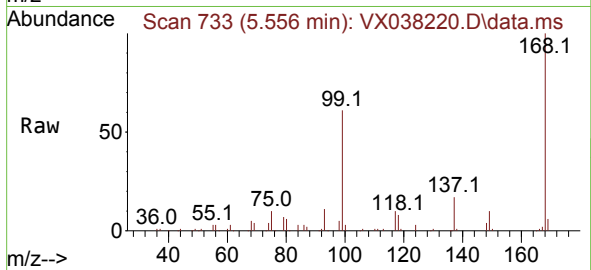
Quant Time: Oct 12 02:41:29 2023
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X100523W.M
Quant Title : SW846 8260
QLast Update : Thu Oct 05 15:27:13 2023
Response via : Initial Calibration



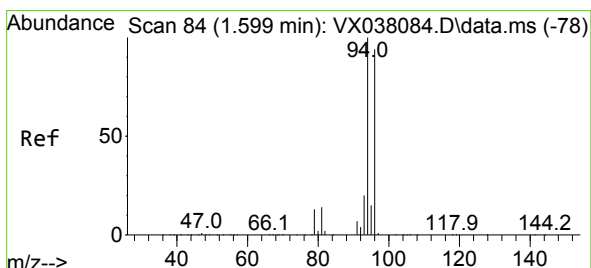
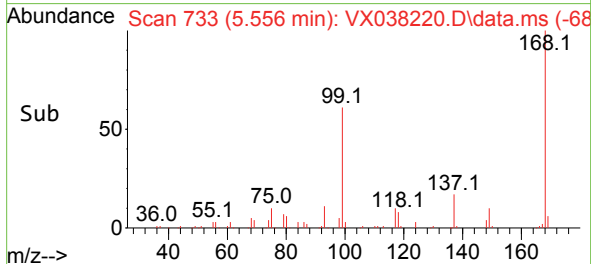
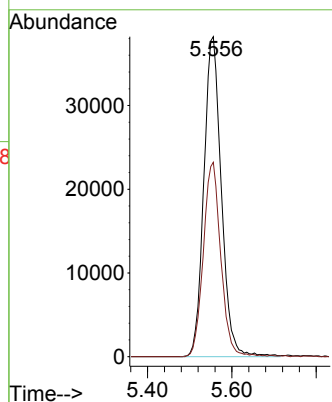


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.556 min Scan# 71
Delta R.T. -0.000 min
Lab File: VX038220.D
Acq: 11 Oct 2023 11:40

Instrument :
MSVOA_X
ClientSampleId :

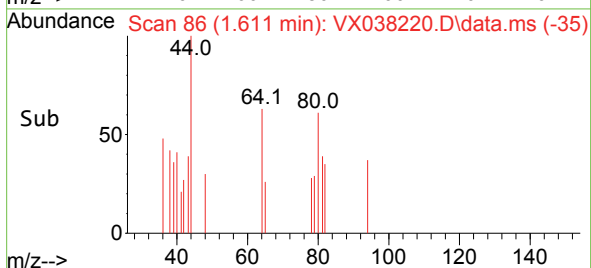
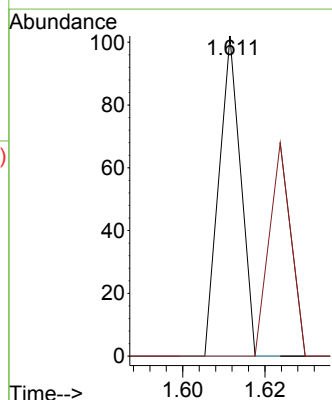
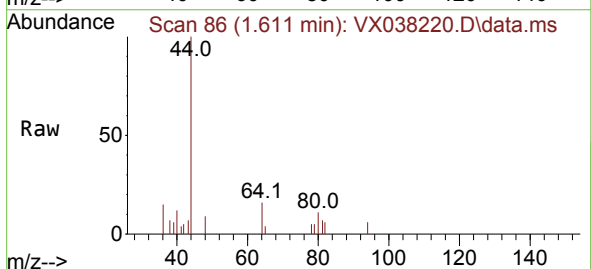


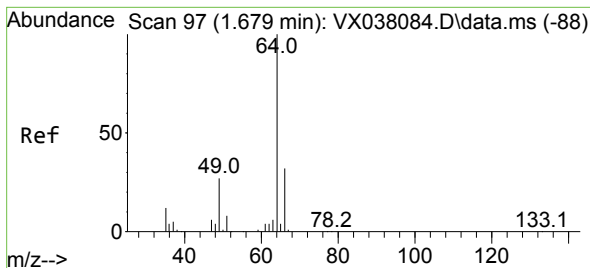
Tgt Ion:168 Resp: 110522
Ion Ratio Lower Upper
168 100
99 60.7 56.6 85.0



#5
Bromomethane
Concen: Below Cal
RT: 1.611 min Scan# 86
Delta R.T. 0.012 min
Lab File: VX038220.D
Acq: 11 Oct 2023 11:40

Tgt Ion: 94 Resp: 37
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: VX038220.D

Acq: 11 Oct 2023 11:40

Instrument :

MSVOA_X

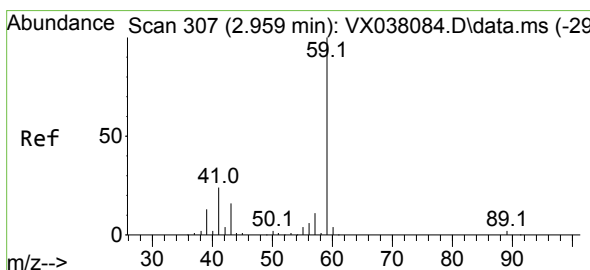
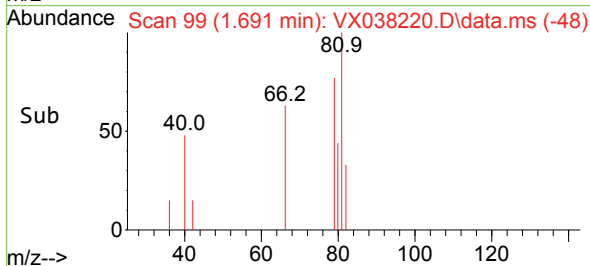
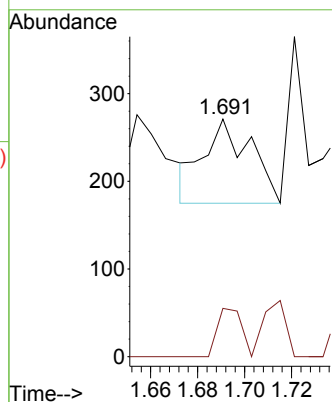
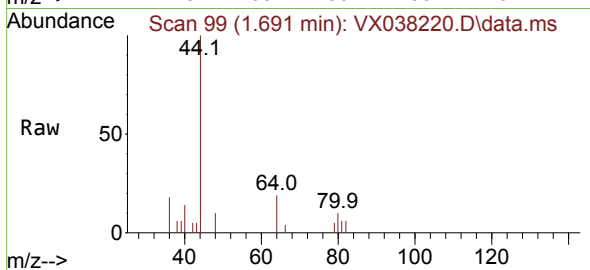
ClientSampleId :

Tgt Ion: 64 Resp: 133

Ion Ratio Lower Upper

64 100

66 57.3 25.1 37.7#



#11

Tert butyl alcohol

Concen: Below Cal

RT: 2.947 min Scan# 305

Delta R.T. -0.012 min

Lab File: VX038220.D

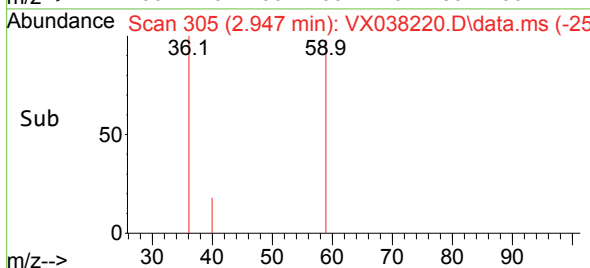
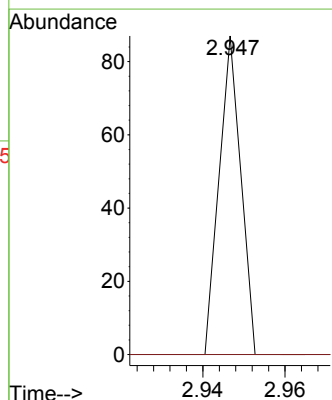
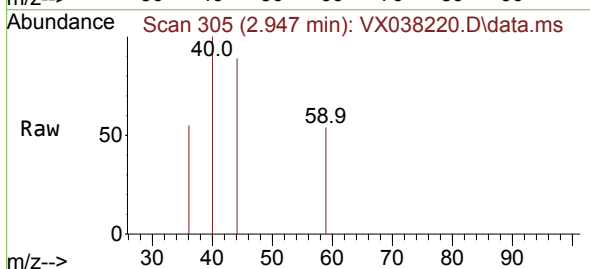
Acq: 11 Oct 2023 11:40

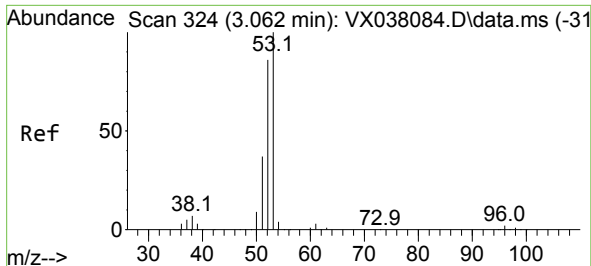
Tgt Ion: 59 Resp: 32

Ion Ratio Lower Upper

59 100

57 0.0 6.0 9.0#

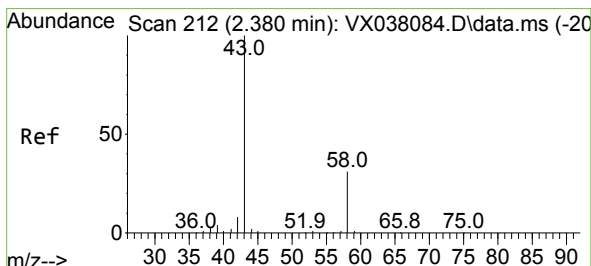
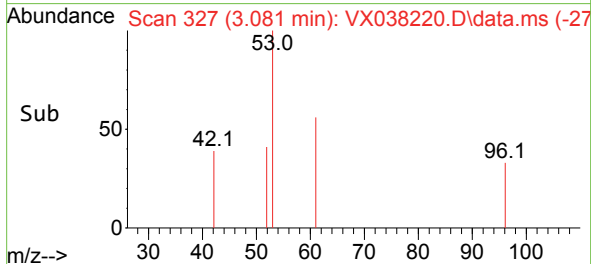
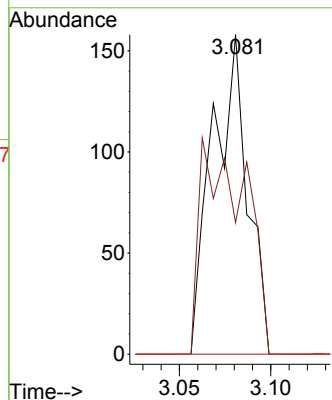
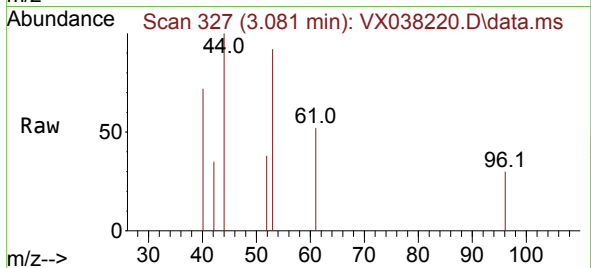




#15
Acrylonitrile
Concen: 0.261 ug/l
RT: 3.081 min Scan# 31
Delta R.T. 0.019 min
Lab File: VX038220.D
Acq: 11 Oct 2023 11:40

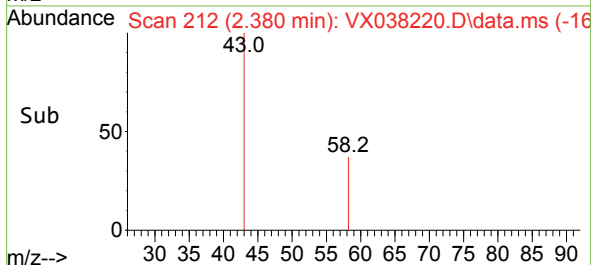
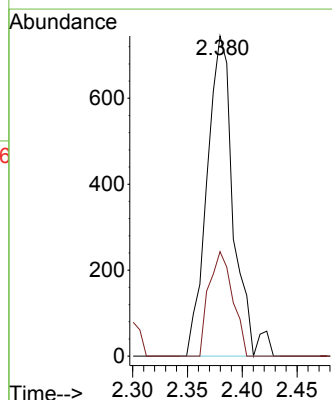
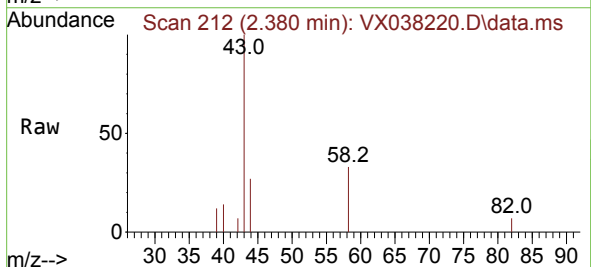
Instrument :
MSVOA_X
ClientSampleId :

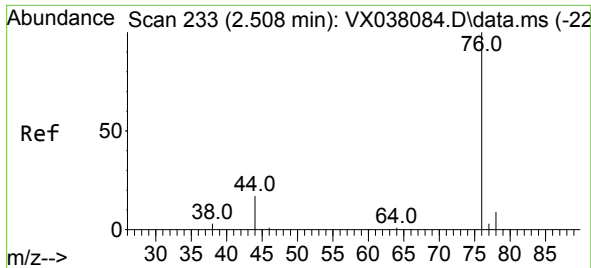
Tgt Ion: 53 Resp: 211
Ion Ratio Lower Upper
53 100
52 87.2 66.0 99.0
51 0.0 29.8 44.6#



#16
Acetone
Concen: 1.690 ug/l
RT: 2.380 min Scan# 212
Delta R.T. -0.000 min
Lab File: VX038220.D
Acq: 11 Oct 2023 11:40

Tgt Ion: 43 Resp: 1254
Ion Ratio Lower Upper
43 100
58 32.6 21.9 32.9

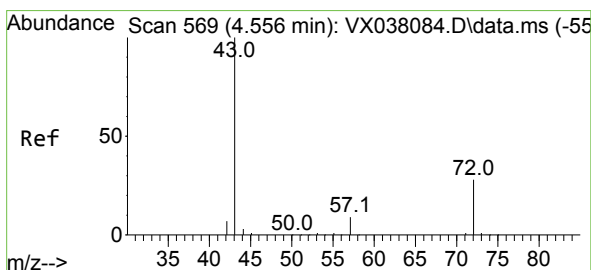
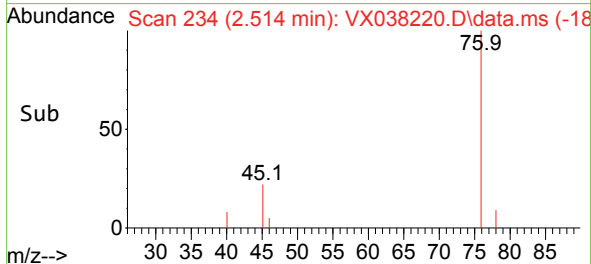
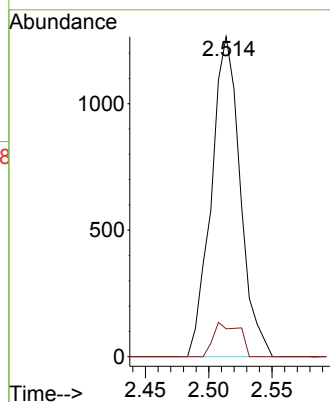
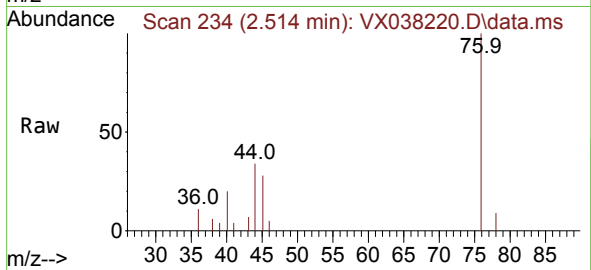




#17
Carbon Disulfide
Concen: 0.689 ug/l
RT: 2.514 min Scan# 21
Delta R.T. 0.006 min
Lab File: VX038220.D
Acq: 11 Oct 2023 11:40

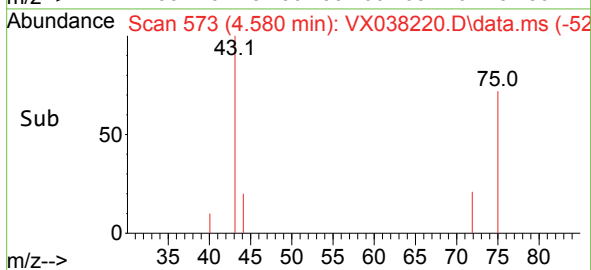
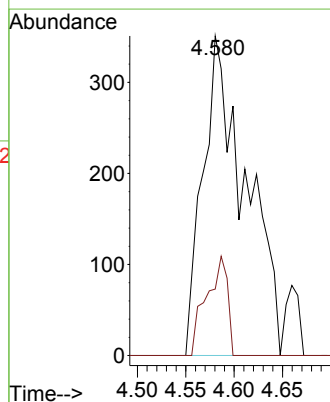
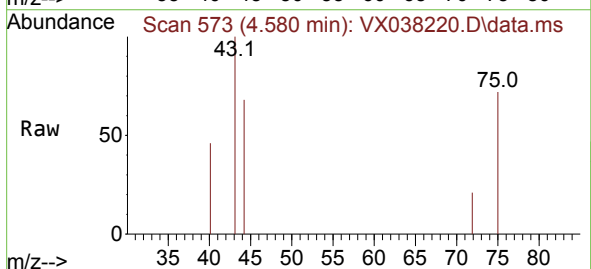
Instrument :
MSVOA_X
ClientSampleId :

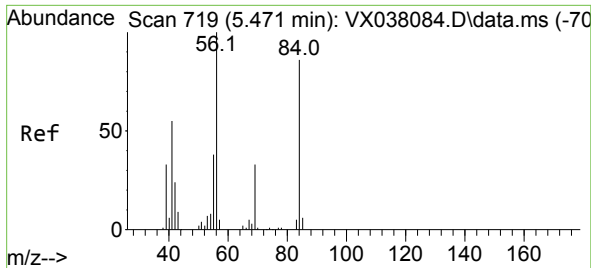
Tgt Ion: 76 Resp: 2008
Ion Ratio Lower Upper
76 100
78 8.7 7.0 10.6



#25
2-Butanone
Concen: 0.901 ug/l
RT: 4.580 min Scan# 573
Delta R.T. 0.024 min
Lab File: VX038220.D
Acq: 11 Oct 2023 11:40

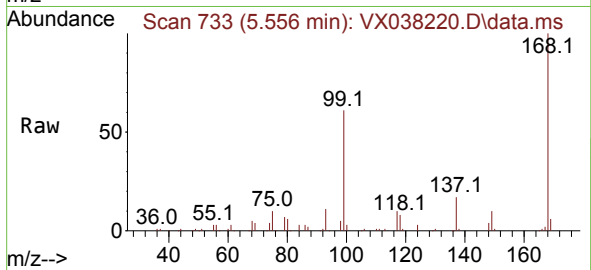
Tgt Ion: 43 Resp: 1078
Ion Ratio Lower Upper
43 100
72 20.8 19.4 29.2



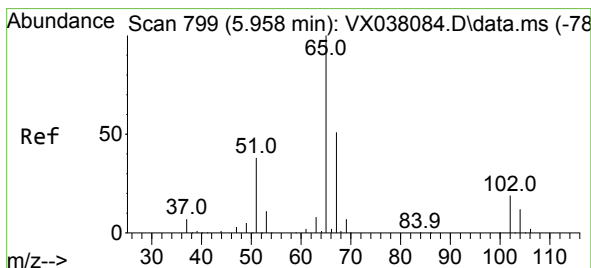
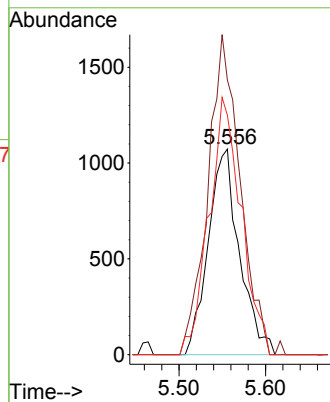
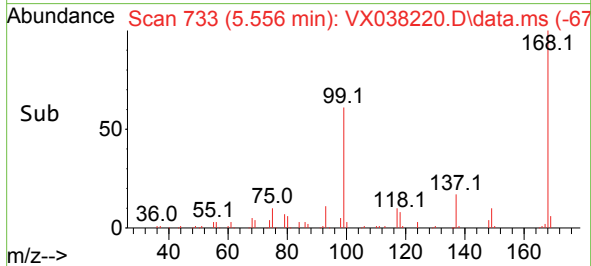


#31
Cyclohexane
Concen: 1.396 ug/l
RT: 5.556 min Scan# 719
Delta R.T. 0.085 min
Lab File: VX038220.D
Acq: 11 Oct 2023 11:40

Instrument :
MSVOA_X
ClientSampleId :

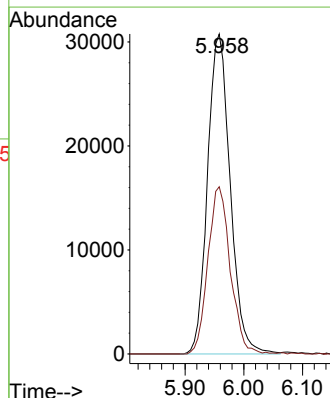
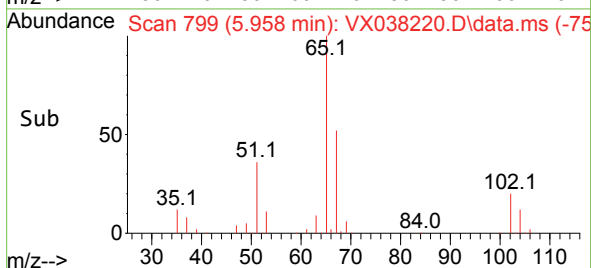
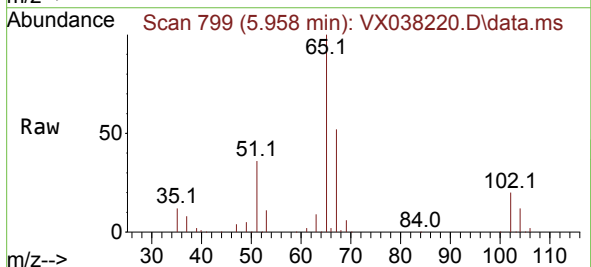


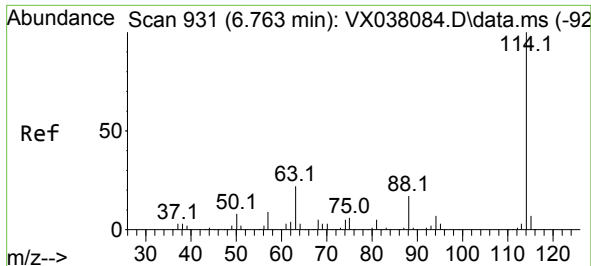
Tgt Ion: 56 Resp: 2688
Ion Ratio Lower Upper
56 100
69 133.6 23.4 35.2#
84 116.4 65.9 98.9#



#33
1,2-Dichloroethane-d4
Concen: 46.381 ug/l
RT: 5.958 min Scan# 799
Delta R.T. 0.000 min
Lab File: VX038220.D
Acq: 11 Oct 2023 11:40

Tgt Ion: 65 Resp: 82450
Ion Ratio Lower Upper
65 100
67 51.7 0.0 100.2

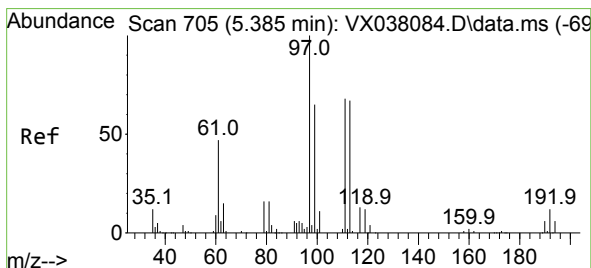
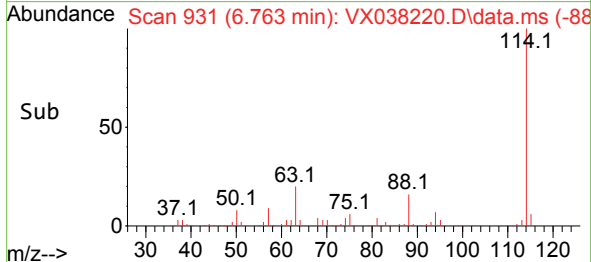
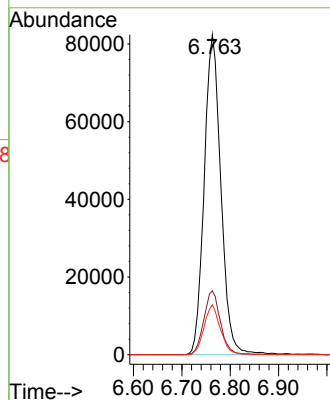
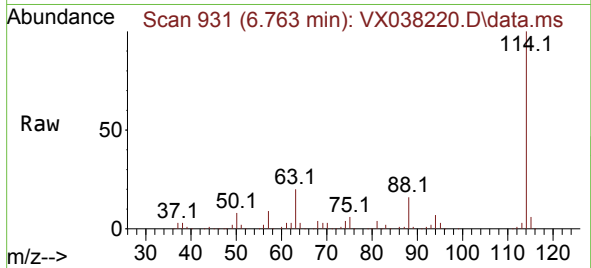




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.763 min Scan# 911
Delta R.T. 0.000 min
Lab File: VX038220.D
Acq: 11 Oct 2023 11:40

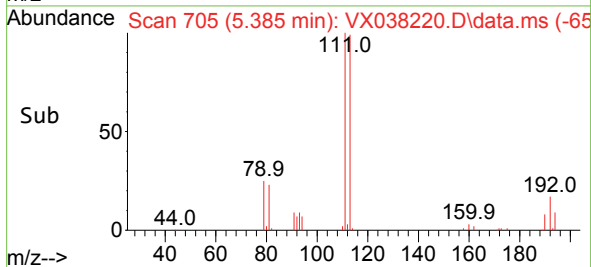
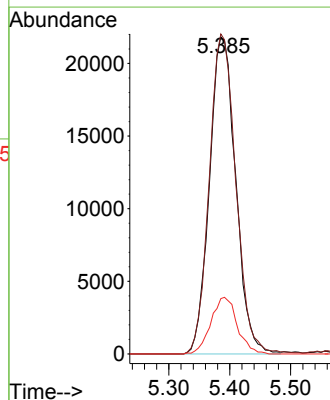
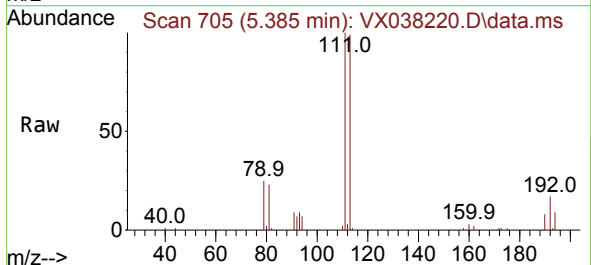
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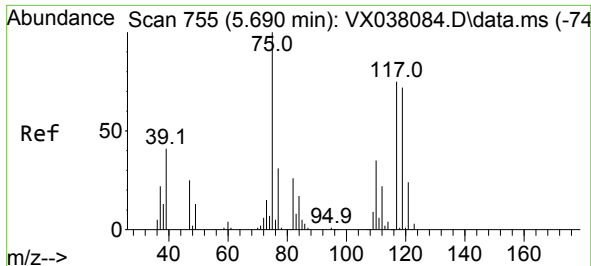
Tgt Ion:114 Resp: 197587
Ion Ratio Lower Upper
114 100
63 20.0 0.0 45.0
88 15.6 0.0 36.6



#35
Dibromofluoromethane
Concen: 45.902 ug/l
RT: 5.385 min Scan# 705
Delta R.T. 0.000 min
Lab File: VX038220.D
Acq: 11 Oct 2023 11:40

Tgt Ion:113 Resp: 65352
Ion Ratio Lower Upper
113 100
111 102.2 82.9 124.3
192 17.9 13.3 19.9

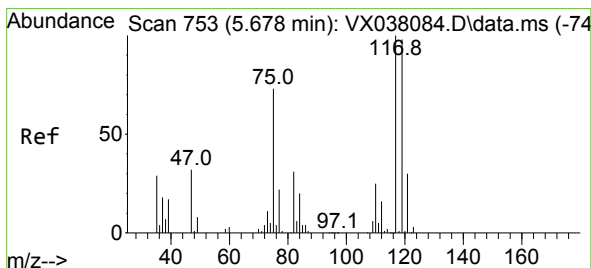
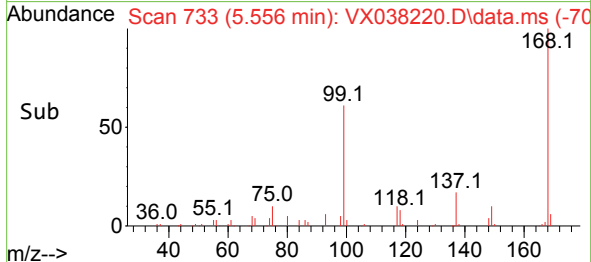
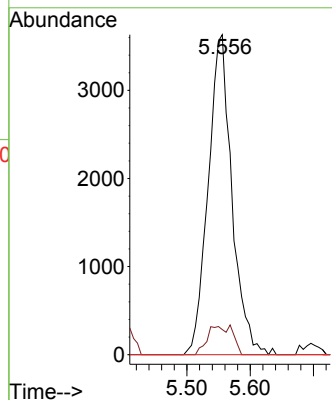
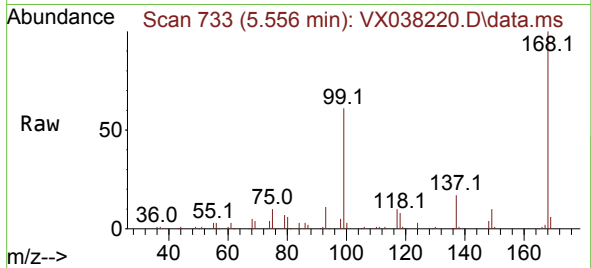




#36
1,1-Dichloropropene
Concen: 4.819 ug/l
RT: 5.556 min Scan# 71
Delta R.T. -0.134 min
Lab File: VX038220.D
Acq: 11 Oct 2023 11:40

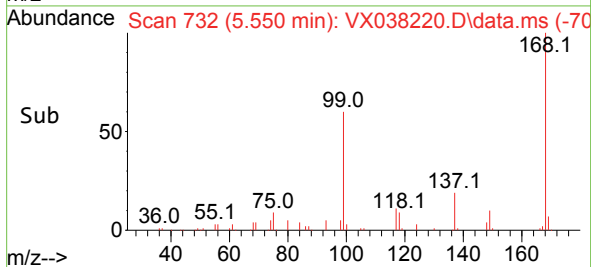
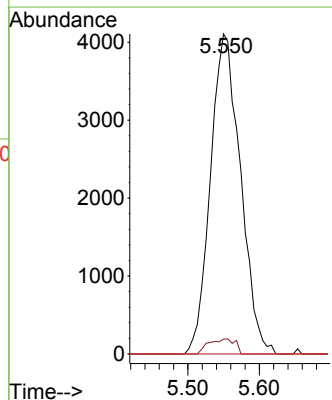
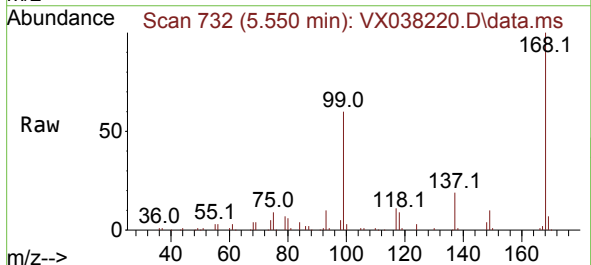
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MSVOA_X
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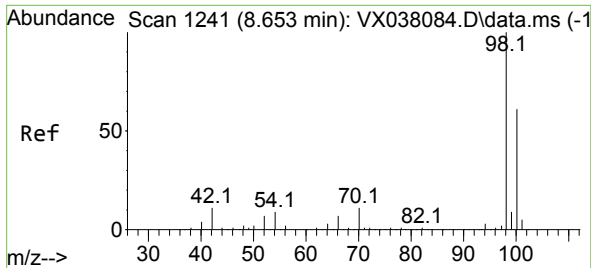
Tgt Ion: 75 Resp: 9462
Ion Ratio Lower Upper
75 100
110 9.6 17.0 50.9#
77 0.0 24.7 37.1#



#38
Carbon Tetrachloride
Concen: 6.200 ug/l
RT: 5.550 min Scan# 732
Delta R.T. -0.128 min
Lab File: VX038220.D
Acq: 11 Oct 2023 11:40

Tgt Ion: 117 Resp: 11974
Ion Ratio Lower Upper
117 100
119 4.7 78.2 117.2#
121 0.0 24.4 36.6#

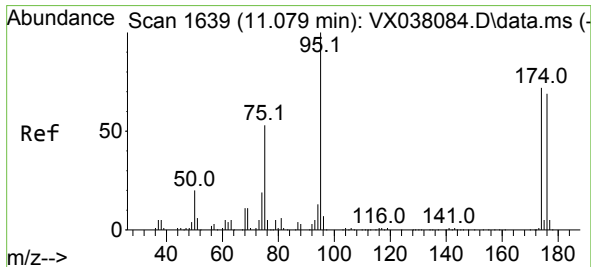
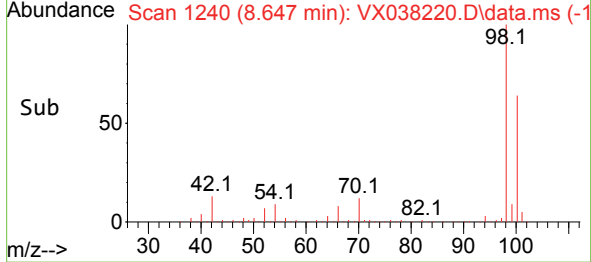
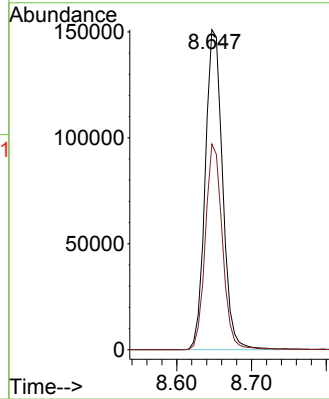
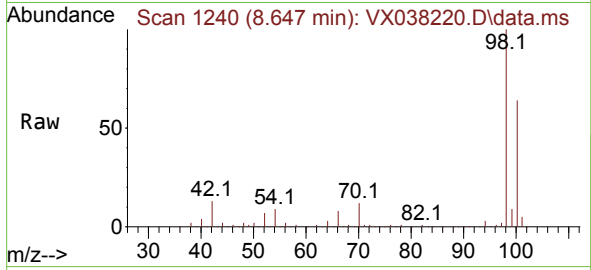




#50
Toluene-d8
Concen: 44.782 ug/l
RT: 8.647 min Scan# 11
Delta R.T. -0.006 min
Lab File: VX038220.D
Acq: 11 Oct 2023 11:40

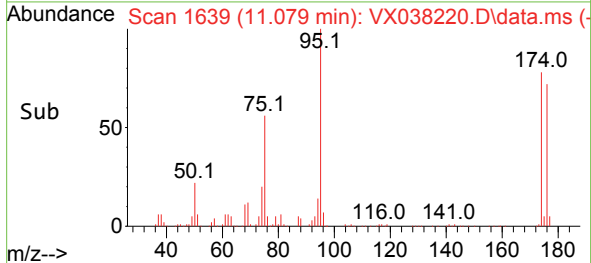
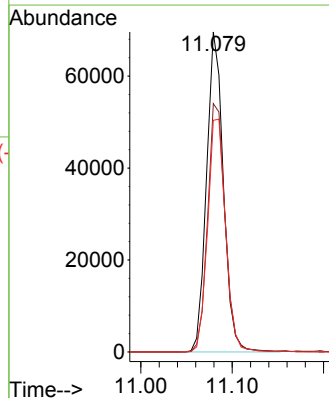
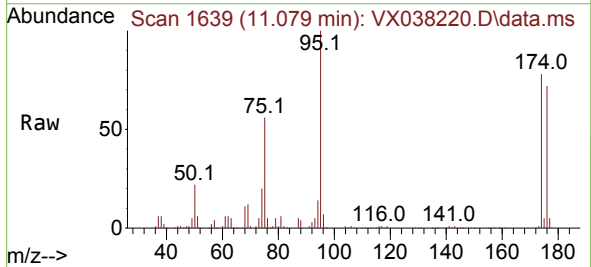
Instrument :
MSVOA_X
ClientSampleId :

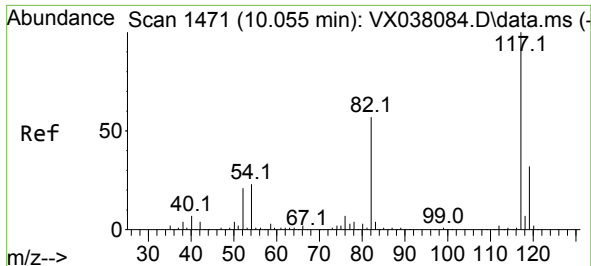
Tgt Ion: 98 Resp: 243634
Ion Ratio Lower Upper
98 100
100 63.1 53.1 79.7



#62
4-Bromofluorobenzene
Concen: 43.132 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.000 min
Lab File: VX038220.D
Acq: 11 Oct 2023 11:40

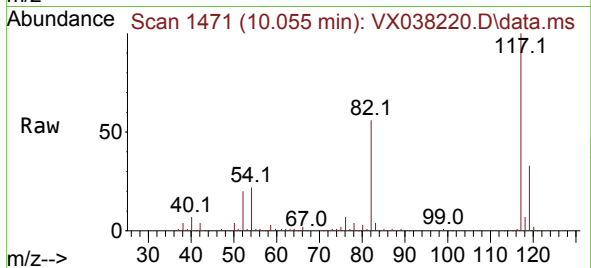
Tgt Ion: 95 Resp: 88962
Ion Ratio Lower Upper
95 100
174 81.3 0.0 135.6
176 77.4 0.0 131.0



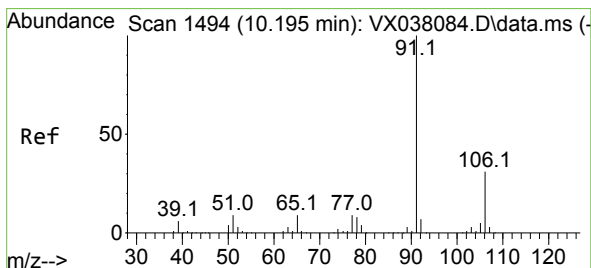
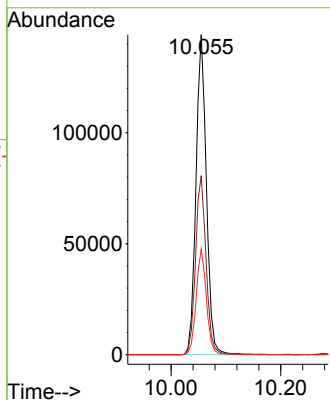
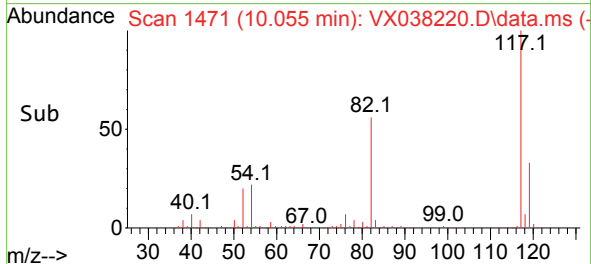


#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.000 min
Lab File: VX038220.D
Acq: 11 Oct 2023 11:40

Instrument :
MSVOA_X
ClientSampleId :

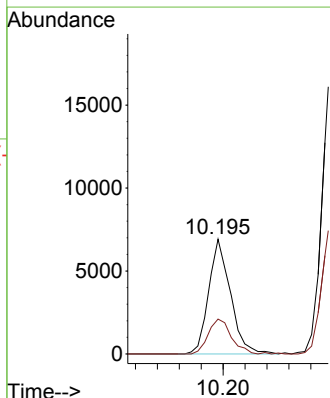
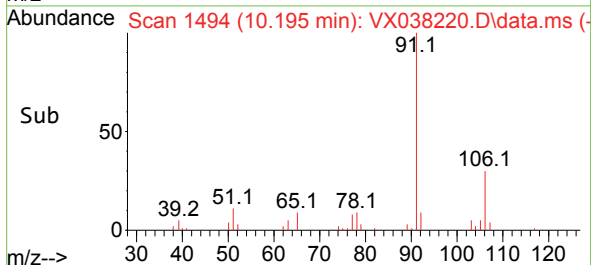
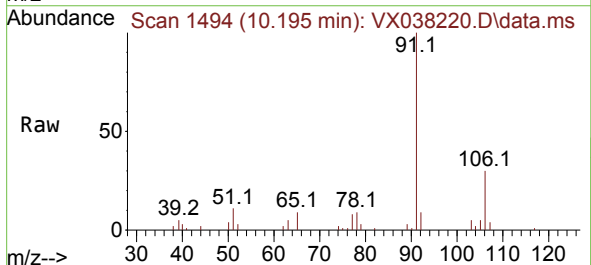


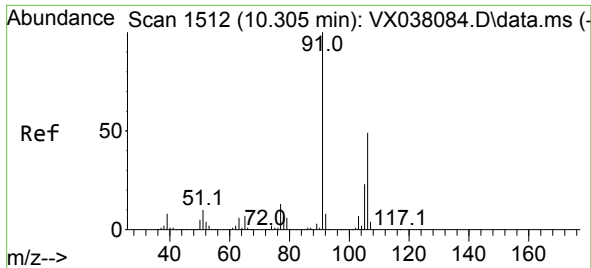
Tgt Ion:117 Resp: 191426
Ion Ratio Lower Upper
117 100
82 55.9 46.2 69.4
119 33.1 25.5 38.3



#67
Ethyl Benzene
Concen: 1.333 ug/l
RT: 10.195 min Scan# 1494
Delta R.T. 0.000 min
Lab File: VX038220.D
Acq: 11 Oct 2023 11:40

Tgt Ion: 91 Resp: 9532
Ion Ratio Lower Upper
91 100
106 30.3 24.9 37.3

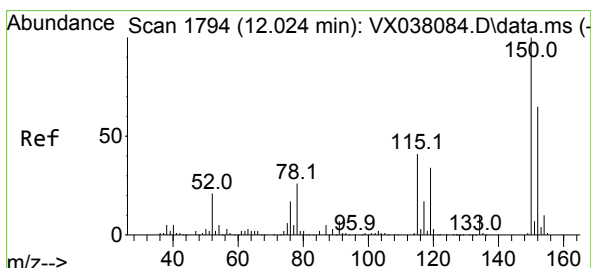
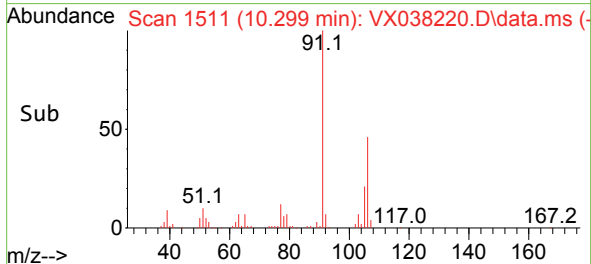
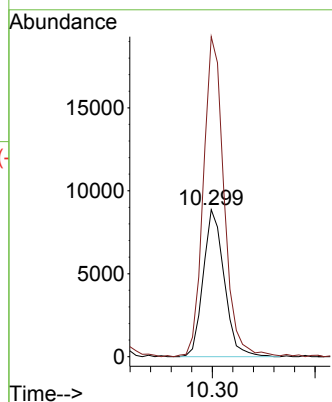
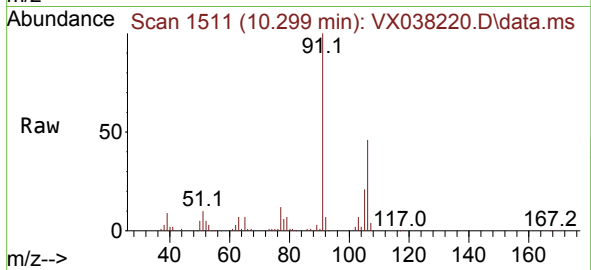




#68
m/p-Xylenes
Concen: 4.560 ug/l
RT: 10.299 min Scan# 11
Delta R.T. -0.006 min
Lab File: VX038220.D
Acq: 11 Oct 2023 11:40

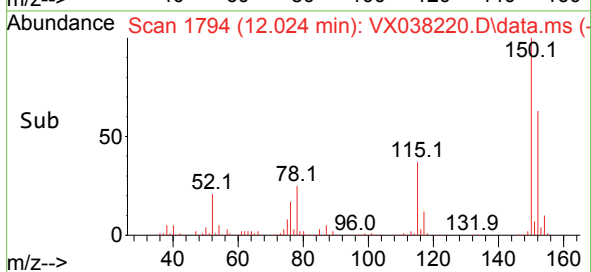
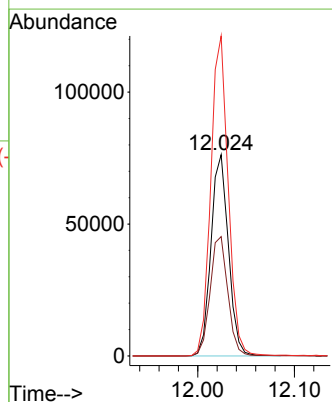
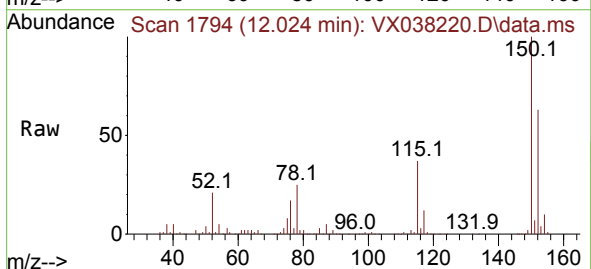
Instrument :
MSVOA_X
ClientSampleId :

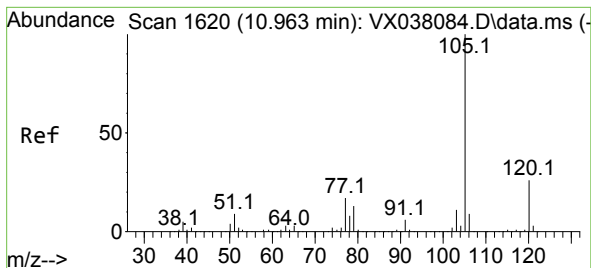
Tgt Ion:106 Resp: 12606
Ion Ratio Lower Upper
106 100
91 214.2 165.5 248.3



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. 0.000 min
Lab File: VX038220.D
Acq: 11 Oct 2023 11:40

Tgt Ion:152 Resp: 95631
Ion Ratio Lower Upper
152 100
115 60.4 43.3 129.9
150 158.0 0.0 345.0





#73

Isopropylbenzene

Concen: 0.424 ug/l

RT: 10.963 min Scan# 1

Delta R.T. 0.000 min

Lab File: VX038220.D

Acq: 11 Oct 2023 11:40

Instrument :

MSVOA_X

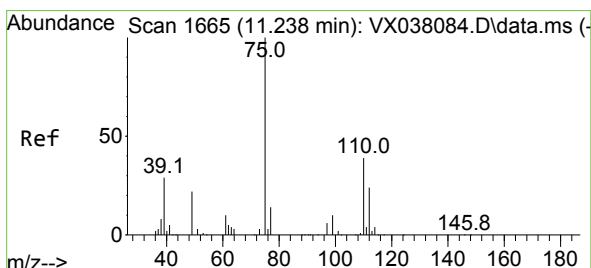
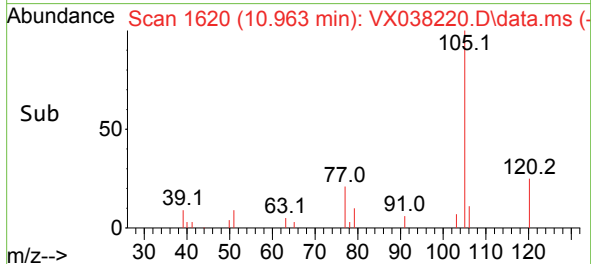
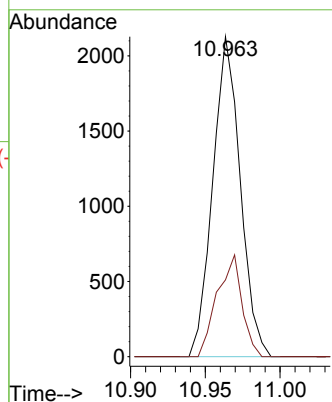
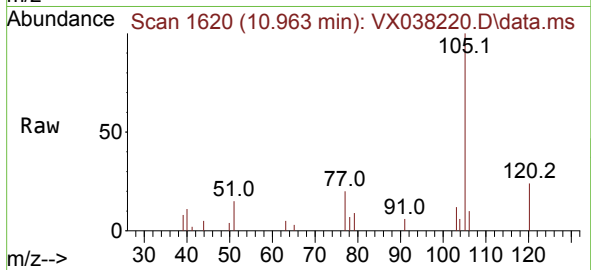
ClientSampleId :

Tgt Ion:105 Resp: 2720

Ion Ratio Lower Upper

105 100

120 28.7 12.9 38.6



#76

1,2,3-Trichloropropane

Concen: 23.049 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. -0.159 min

Lab File: VX038220.D

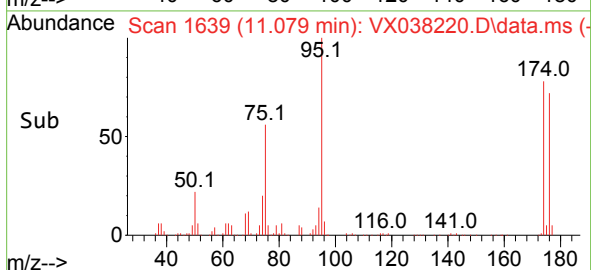
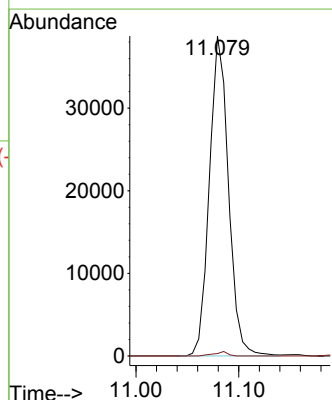
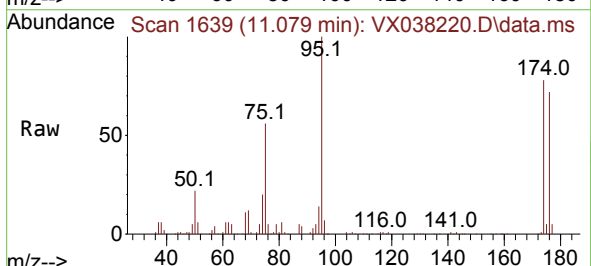
Acq: 11 Oct 2023 11:40

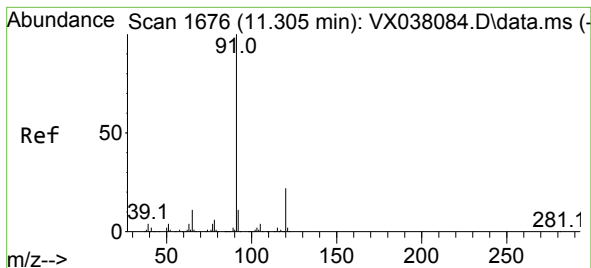
Tgt Ion: 75 Resp: 50109

Ion Ratio Lower Upper

75 100

77 0.9 19.1 57.5#





#78

n-propylbenzene

Concen: 0.211 ug/l

RT: 11.305 min Scan# 1676

Delta R.T. -0.000 min

Lab File: VX038220.D

Acq: 11 Oct 2023 11:40

Instrument :

MSVOA_X

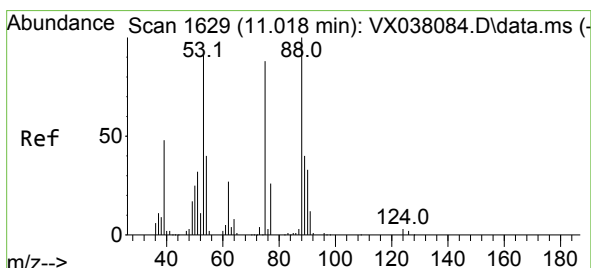
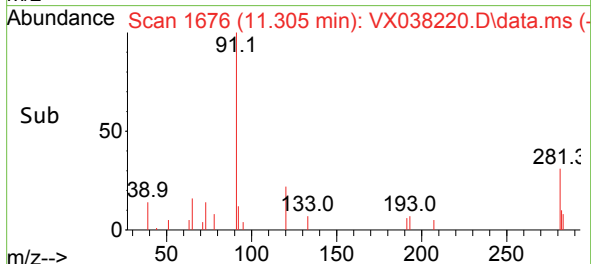
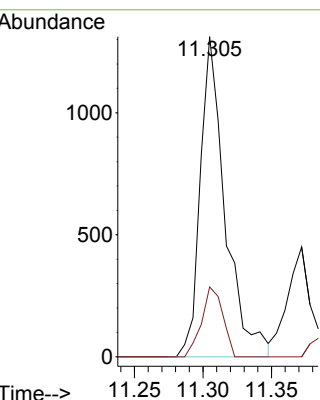
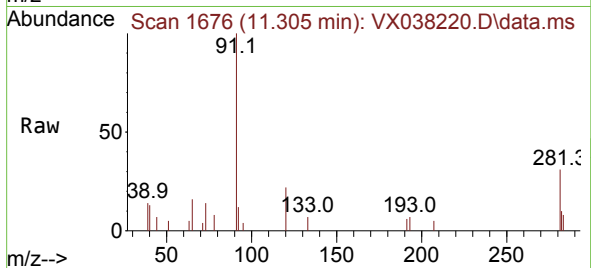
ClientSampleId :

Tgt Ion: 91 Resp: 1654

Ion Ratio Lower Upper

91 100

120 18.5 11.5 34.4



#81

trans-1,4-Dichloro-2-butene

Concen: 65.905 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. 0.061 min

Lab File: VX038220.D

Acq: 11 Oct 2023 11:40

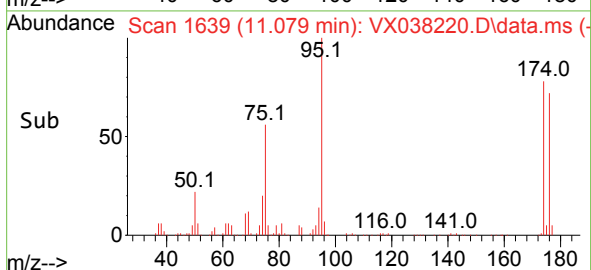
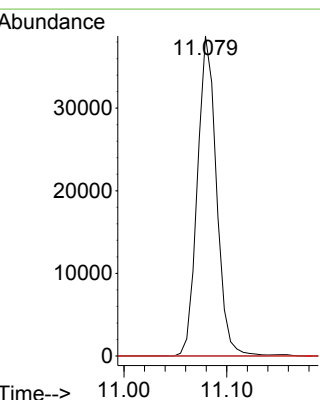
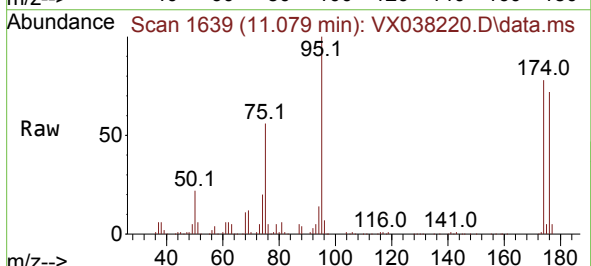
Tgt Ion: 75 Resp: 50109

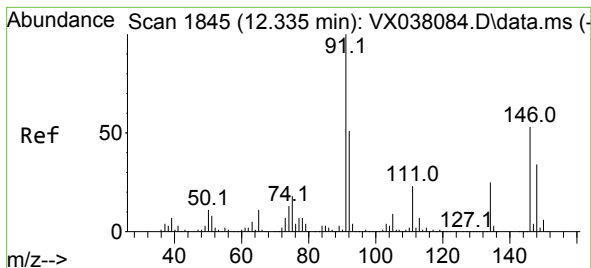
Ion Ratio Lower Upper

75 100

53 0.0 90.5 135.7#

89 0.0 36.9 55.3#

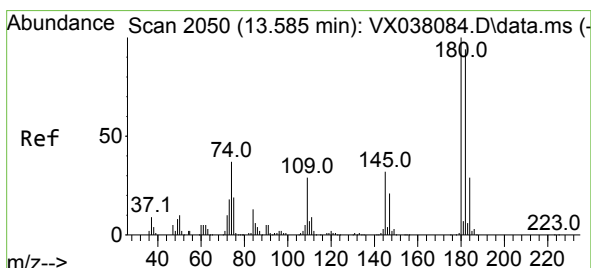
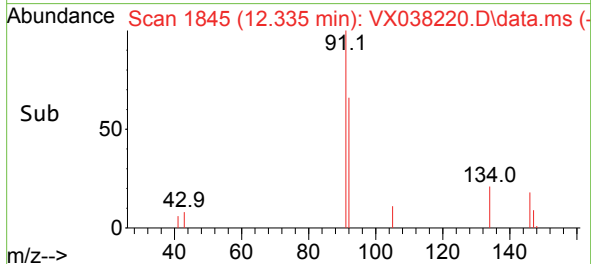
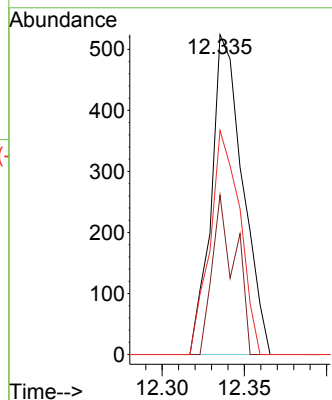
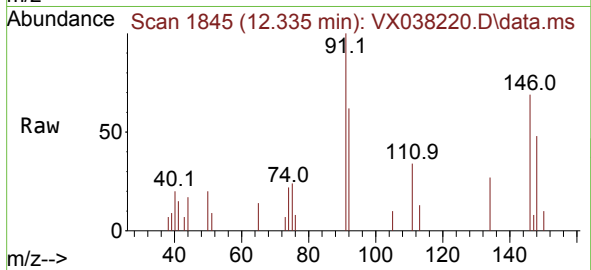




#91
 1,2-Dichlorobenzene
 Concen: 0.230 ug/l
 RT: 12.335 min Scan# 1845
 Delta R.T. 0.000 min
 Lab File: VX038220.D
 Acq: 11 Oct 2023 11:40

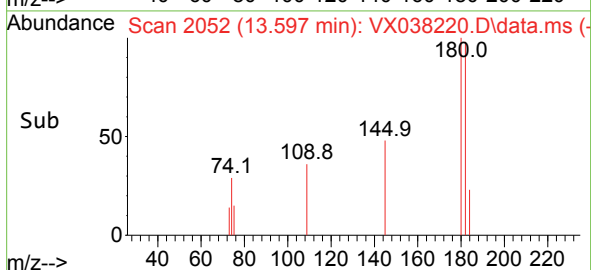
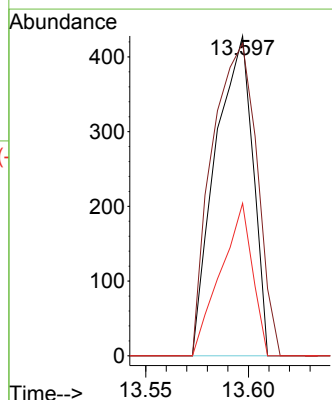
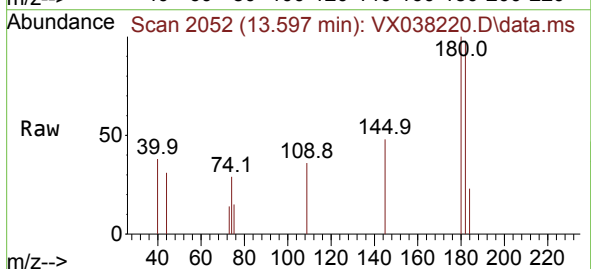
Instrument :
 MSVOA_X
 ClientSampleId :

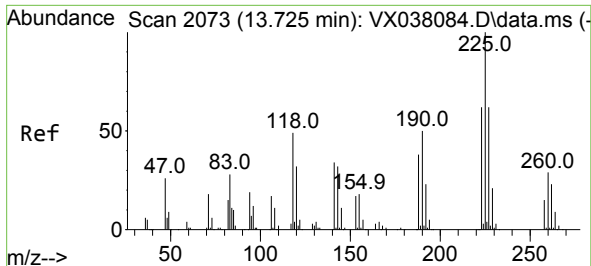
Tgt Ion:146 Resp: 696
 Ion Ratio Lower Upper
 146 100
 111 36.8 22.4 67.0
 148 66.5 31.6 95.0



#93
 1,2,4-Trichlorobenzene
 Concen: 0.267 ug/l
 RT: 13.597 min Scan# 2052
 Delta R.T. 0.012 min
 Lab File: VX038220.D
 Acq: 11 Oct 2023 11:40

Tgt Ion:180 Resp: 542
 Ion Ratio Lower Upper
 180 100
 182 116.8 48.3 144.8
 145 40.6 18.0 54.0

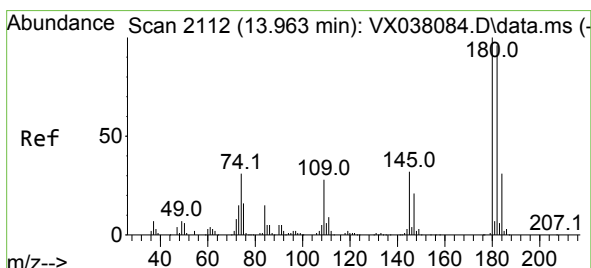
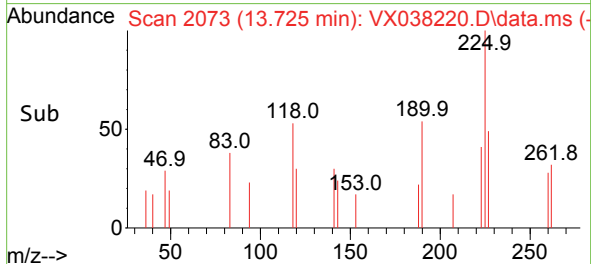
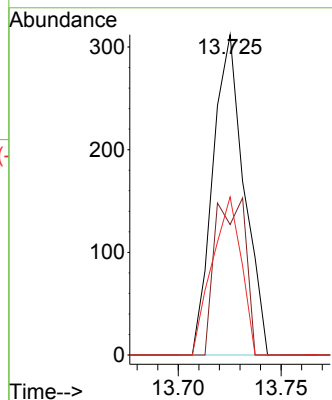
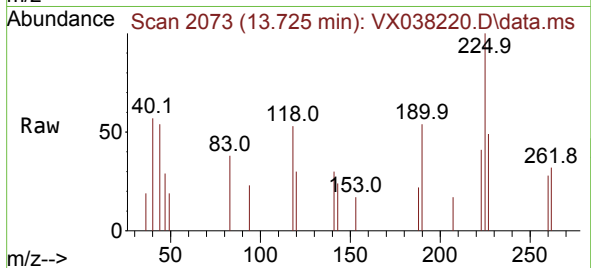




#94
Hexachlorobutadiene
Concen: 0.404 ug/l
RT: 13.725 min Scan# 2073
Delta R.T. 0.000 min
Lab File: VX038220.D
Acq: 11 Oct 2023 11:40

Instrument :
MSVOA_X
ClientSampleId :

Tgt Ion:225 Resp: 330
Ion Ratio Lower Upper
225 100
223 47.6 31.1 93.2
227 45.8 32.5 97.5



#96
1,2,3-Trichlorobenzene
Concen: 0.289 ug/l
RT: 13.963 min Scan# 2112
Delta R.T. -0.000 min
Lab File: VX038220.D
Acq: 11 Oct 2023 11:40

Tgt Ion:180 Resp: 567
Ion Ratio Lower Upper
180 100
182 94.7 46.9 140.6
145 29.5 17.8 53.5

