

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX061424\
 Data File : VX041877.D
 Acq On : 14 Jun 2024 14:52
 Operator : JC/MD
 Sample : IBLK
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 IBLK

Quant Time: Jun 15 04:09:58 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\624X061424W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Sat Jun 15 04:02:59 2024
 Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	4.903	128	31743	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	6.763	114	179964	30.000	ug/l	0.00
57) Chlorobenzene-d5	10.055	117	160356	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	5.958	65	65673	30.054	ug/l	0.00
Spiked Amount	30.000	Range	91 - 110	Recovery	= 100.167%	
60) 4-Bromofluorobenzene	11.079	95	67777	27.305	ug/l	0.00
Spiked Amount	30.000	Range	63 - 112	Recovery	= 91.033%	
63) Toluene-d8	8.647	98	207510	30.247	ug/l	0.00
Spiked Amount	30.000	Range	91 - 112	Recovery	= 100.833%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.166	85	866	0.421	ug/l	87
3) Chloromethane	1.300	50	1031	0.449	ug/l	90
4) Vinyl Chloride	1.374	62	830	0.370	ug/l #	84
5) Bromomethane	1.599	94	875	0.729	ug/l	100
6) Chloroethane	1.666	64	348	0.363	ug/l	99
7) Trichlorofluoromethane	1.867	101	1132	0.400	ug/l #	81
9) 1,1,2-Trichlorotrifluo...	2.312	101	999	0.519	ug/l	94
10) 1,1-Dichloroethene	2.306	96	878	0.453	ug/l	83
11) Methyl Iodide	2.447	142	1814	0.718	ug/l	93
12) Methyl Acetate	2.709	43	1161	0.469	ug/l #	78
13) Acrolein	2.239	56	1295	2.597	ug/l	90
14) Acrylonitrile	3.087	53	2146	1.828	ug/l	89
15) Acetone	2.392	58	895	2.665	ug/l	83
16) Carbon Disulfide	2.501	76	7537	1.773	ug/l	100
17) Allyl chloride	2.660	41	1126	0.382	ug/l	90
18) Methylene Chloride	2.788	84	2139	0.961	ug/l	97
19) trans-1,2-Dichloroethene	3.093	96	1706	0.878	ug/l	94
22) cis-1,2-Dichloroethene	4.495	96	809	0.344	ug/l #	6
23) tert-Butyl Alcohol	2.989	59	892	2.044	ug/l #	100
29) 1,1-Dichloropropene	5.696	75	1411	0.601	ug/l #	61
30) 2-Butanone	4.617	43	1045	0.666	ug/l #	73
34) Benzene	6.043	78	1743	0.223	ug/l #	85
37) Trichloroethene	7.129	130	1420	0.664	ug/l	96
38) Methylcyclohexane	7.372	83	815	0.262	ug/l #	51
40) Dibromomethane	7.586	93	527	0.382	ug/l	90
42) Vinyl Acetate	3.751	43	3260	0.621	ug/l #	88
43) Ethyl Acetate	4.617	43	1045	0.355	ug/l	97
45) 1,4-Dioxane	7.689	88	359	6.682	ug/l #	93
48) t-1,3-Dichloropropene	8.994	75	987	0.388	ug/l	92
49) cis-1,3-Dichloropropene	8.372	75	759	0.266	ug/l #	79
54) 1,2-Dibromoethane	9.616	107	546	0.258	ug/l	99
55) 2-Chloroethyl vinyl ether	8.263	63	1806	1.218	ug/l #	81
58) 4-Methyl-2-Pentanone	8.580	43	1955	0.680	ug/l	94
59) 2-Hexanone	9.451	43	1768	0.797	ug/l	92
61) Tetrachloroethene	9.281	164	1410	0.699	ug/l	98
62) Toluene	8.720	91	2949	0.363	ug/l	95
64) Chlorobenzene	10.079	112	2526	0.457	ug/l	90
66) Ethyl Benzene	10.195	91	3815	0.430	ug/l	94
67) m/p-Xylenes	10.305	106	3021	0.847	ug/l	89

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX061424\
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 Sample : IBLK
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 12 Sample Multiplier: 1

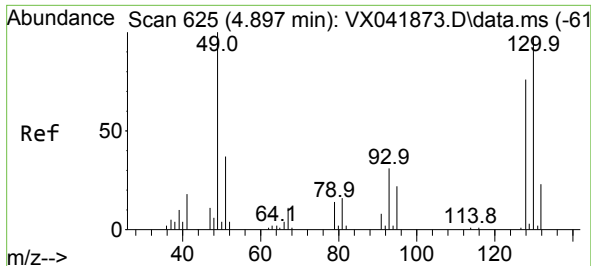
Instrument :
 MSVOA_X
 ClientSampleId :
 IBLK

Quant Time: Jun 15 04:09:58 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\624X061424W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

68) o-Xylene	10.646	106	1180	0.332	ug/l	96
69) Styrene	10.665	104	2219	0.373	ug/l	98
70) Isopropylbenzene	10.963	105	3270	0.366	ug/l	93
73) Bromobenzene	11.201	156	1239	0.475	ug/l	96
74) n-propylbenzene	11.305	91	4898	0.498	ug/l	96
75) 2-Chlorotoluene	11.372	91	2835	0.454	ug/l	88
76) 1,3,5-Trimethylbenzene	11.457	105	3209	0.428	ug/l	99
78) 4-Chlorotoluene	11.463	91	4734	0.683	ug/l	97
79) tert-butylbenzene	11.713	119	2547	0.320	ug/l	95
80) 1,2,4-Trimethylbenzene	11.756	105	3349	0.447	ug/l	97
81) sec-Butylbenzene	11.890	105	4097	0.442	ug/l	99
82) p-Isopropyltoluene	12.012	119	3789	0.466	ug/l	98
83) 1,3-Dichlorobenzene	11.975	146	3751	0.806	ug/l	100
84) 1,4-Dichlorobenzene	12.042	146	4209	0.909	ug/l	99
85) n-Butylbenzene	12.335	91	4001	0.636	ug/l	97
86) Hexachloroethane	12.536	117	329	0.248	ug/l	82
87) 1,2-Dichlorobenzene	12.341	146	2614	0.556	ug/l	94
88) 1,2-Dibromo-3-Chloropr...	12.945	75	154	0.240	ug/l	97
89) 1,2,4-Trichlorobenzene	13.591	180	4025	1.264	ug/l	93
90) Hexachlorobutadiene	13.725	225	1005	0.640	ug/l	94
91) Naphthalene	13.780	128	15292	1.589	ug/l	99
92) 1,2,3-Trichlorobenzene	13.963	180	4557	1.382	ug/l	99

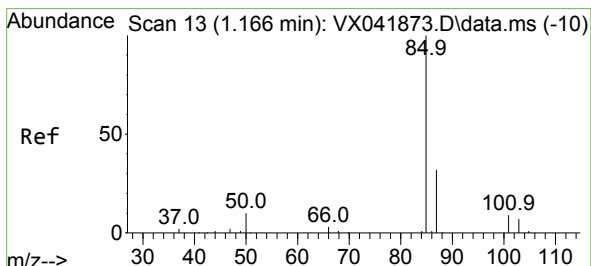
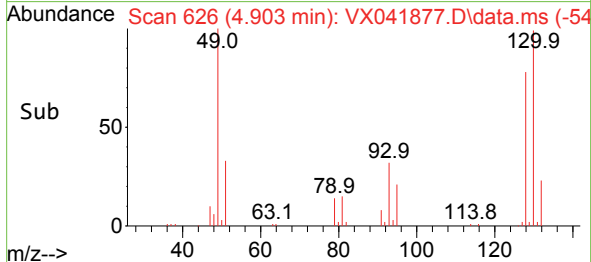
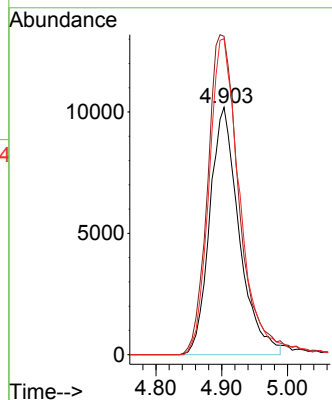
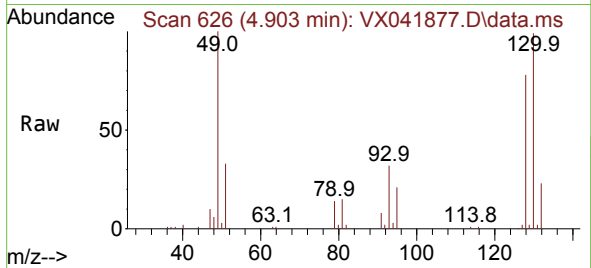
(#) = qualifier out of range (m) = manual integration (+) = signals summed



#1
Bromochloromethane
Concen: 30.000 ug/l
RT: 4.903 min Scan# 61
Delta R.T. 0.006 min
Lab File: VX041877.D
Acq: 14 Jun 2024 14:52

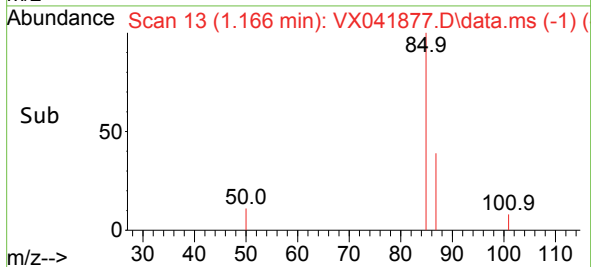
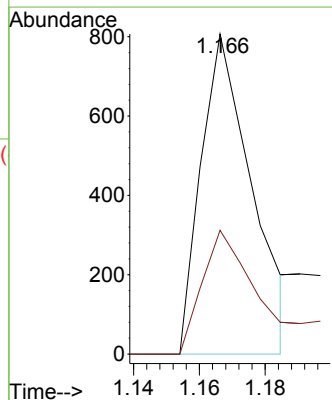
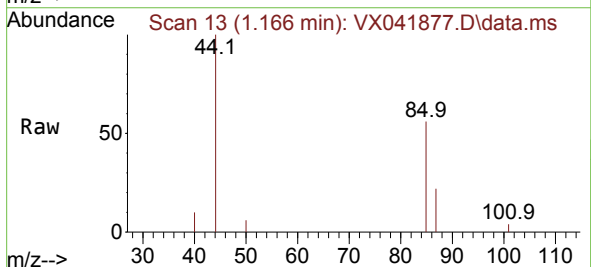
Instrument :
MSVOA_X
ClientSampleId :
IBLK

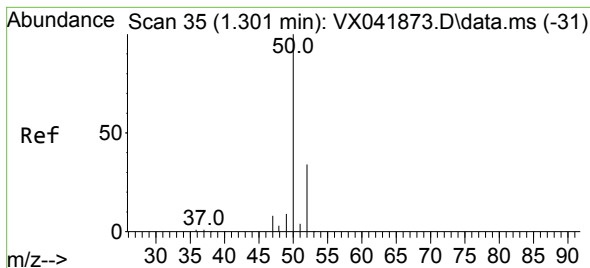
Tgt Ion:128 Resp: 31743
Ion Ratio Lower Upper
128 100
49 139.1 0.0 338.5
130 132.3 0.0 324.5



#2
Dichlorodifluoromethane
Concen: 0.421 ug/l
RT: 1.166 min Scan# 13
Delta R.T. -0.000 min
Lab File: VX041877.D
Acq: 14 Jun 2024 14:52

Tgt Ion: 85 Resp: 866
Ion Ratio Lower Upper
85 100
87 38.7 15.8 47.3





#3

Chloromethane

Concen: 0.449 ug/l

RT: 1.300 min Scan# 31

Delta R.T. -0.000 min

Lab File: VX041877.D

Acq: 14 Jun 2024 14:52

Instrument :

MSVOA_X

ClientSampleId :

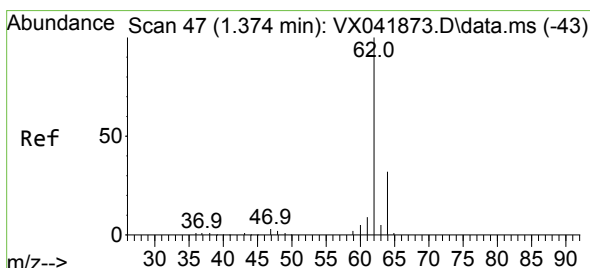
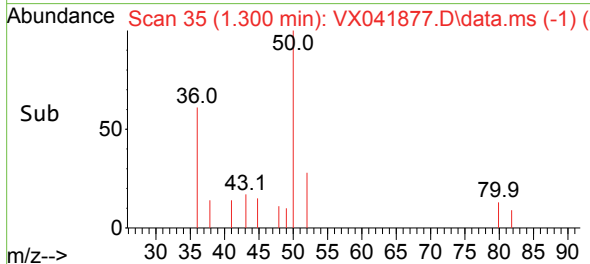
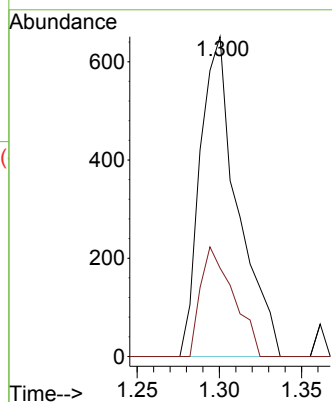
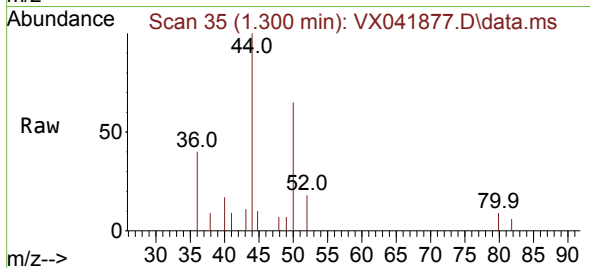
IBLK

Tgt Ion: 50 Resp: 1031

Ion Ratio Lower Upper

50 100

52 27.6 26.9 40.3



#4

Vinyl Chloride

Concen: 0.370 ug/l

RT: 1.374 min Scan# 47

Delta R.T. -0.000 min

Lab File: VX041877.D

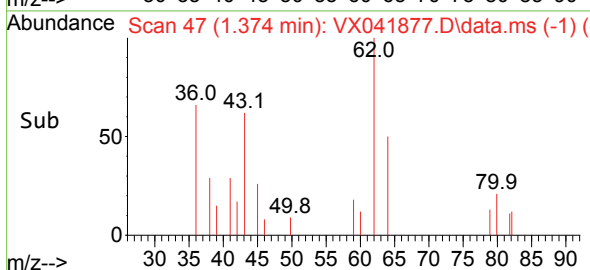
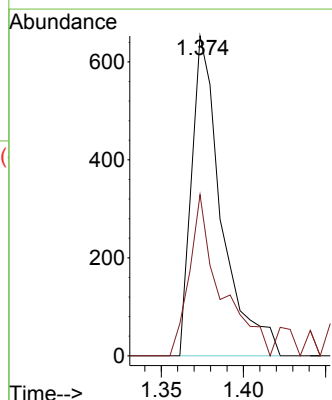
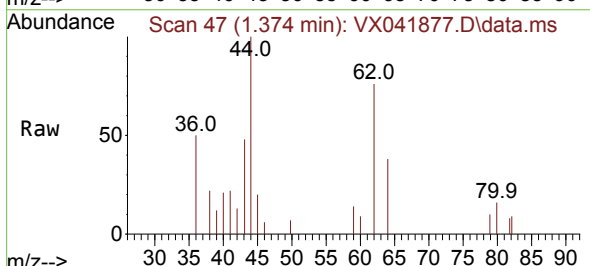
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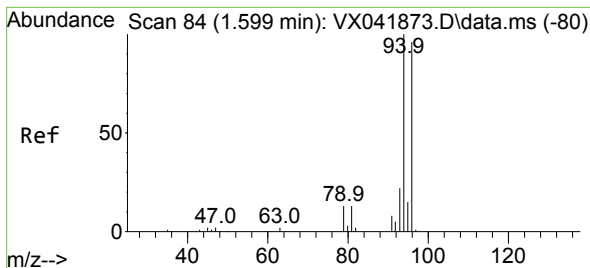
Tgt Ion: 62 Resp: 830

Ion Ratio Lower Upper

62 100

64 41.5 26.1 39.1#





#5

Bromomethane

Concen: 0.729 ug/l

RT: 1.599 min Scan# 84

Delta R.T. -0.000 min

Lab File: VX041877.D

Acq: 14 Jun 2024 14:52

Instrument :

MSVOA_X

ClientSampleId :

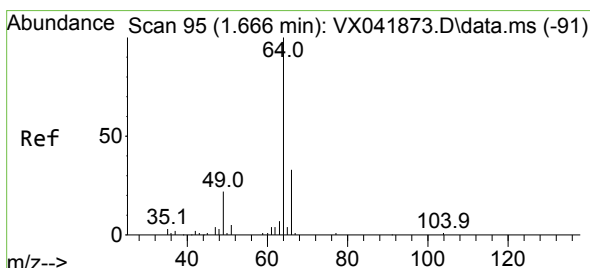
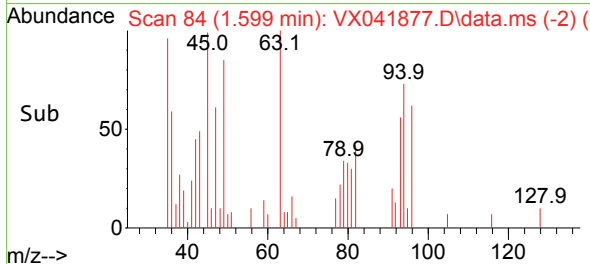
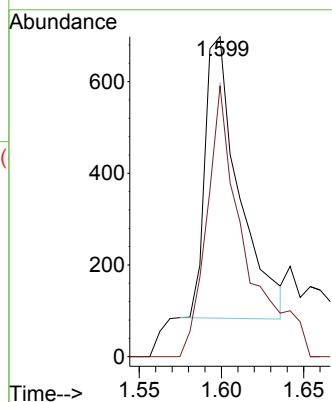
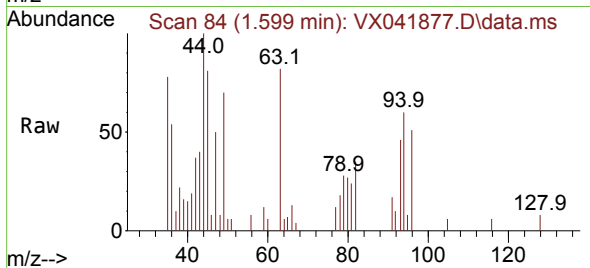
IBLK

Tgt Ion: 94 Resp: 875

Ion Ratio Lower Upper

94 100

96 96.2 76.6 115.0



#6

Chloroethane

Concen: 0.363 ug/l

RT: 1.666 min Scan# 95

Delta R.T. -0.000 min

Lab File: VX041877.D

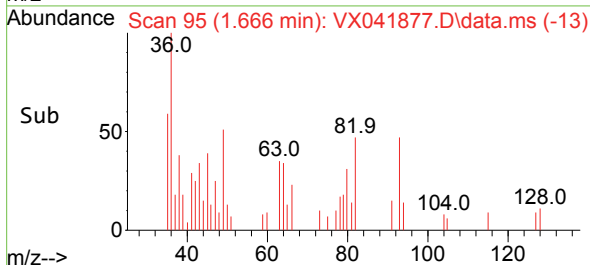
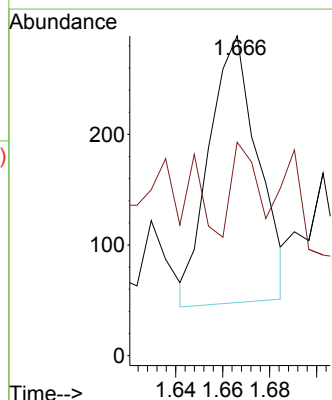
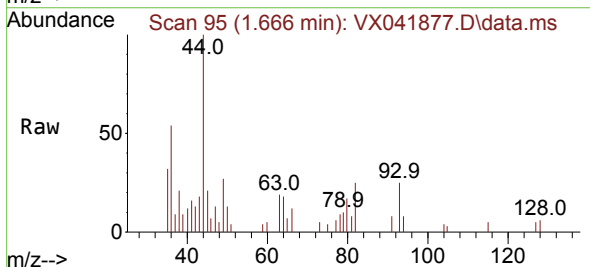
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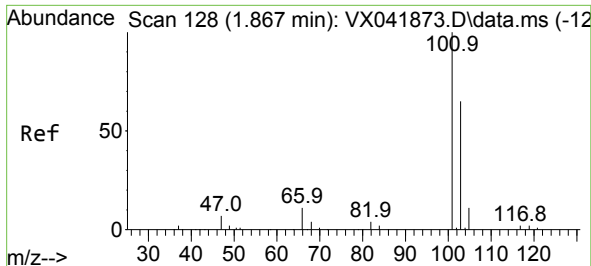
Tgt Ion: 64 Resp: 348

Ion Ratio Lower Upper

64 100

66 33.6 26.4 39.6

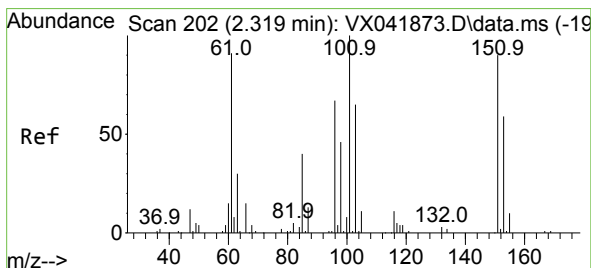
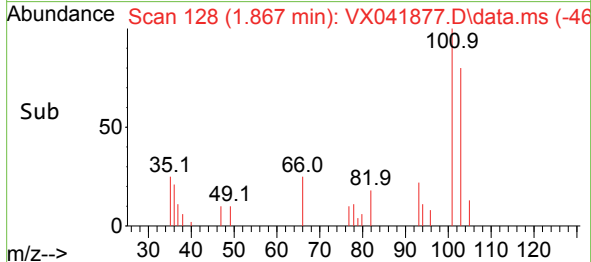
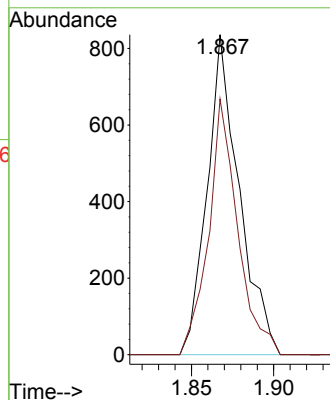
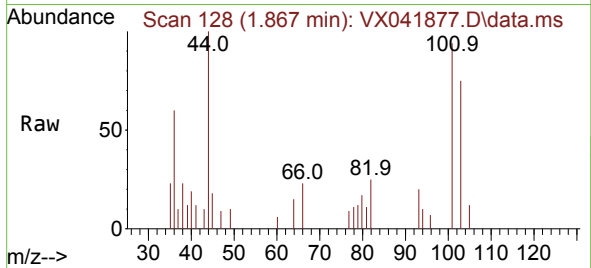




#7
 Trichlorofluoromethane
 Concen: 0.400 ug/l
 RT: 1.867 min Scan# 11
 Delta R.T. -0.000 min
 Lab File: VX041877.D
 Acq: 14 Jun 2024 14:52

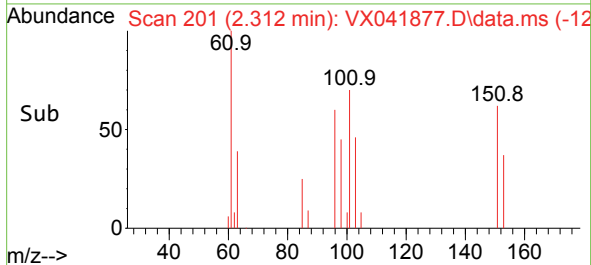
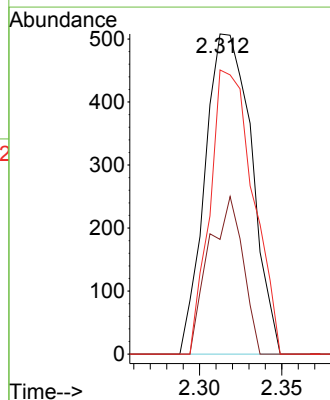
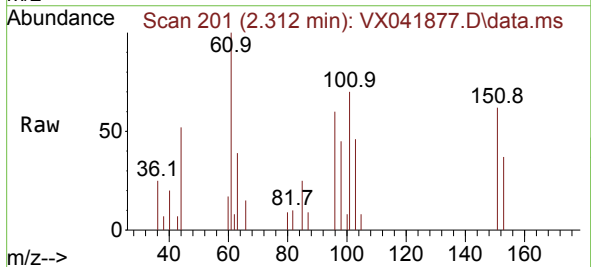
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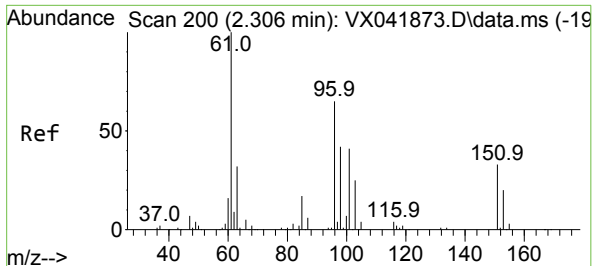
Tgt Ion:101 Resp: 1132
 Ion Ratio Lower Upper
 101 100
 103 79.9 51.8 77.8#



#9
 1,1,2-Trichlorotrifluoroethane
 Concen: 0.519 ug/l
 RT: 2.312 min Scan# 201
 Delta R.T. -0.006 min
 Lab File: VX041877.D
 Acq: 14 Jun 2024 14:52

Tgt Ion:101 Resp: 999
 Ion Ratio Lower Upper
 101 100
 85 35.9 0.0 80.4
 151 82.5 0.0 175.2

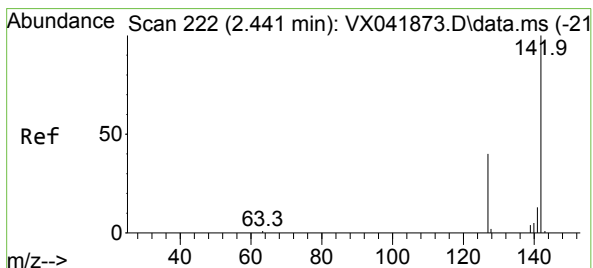
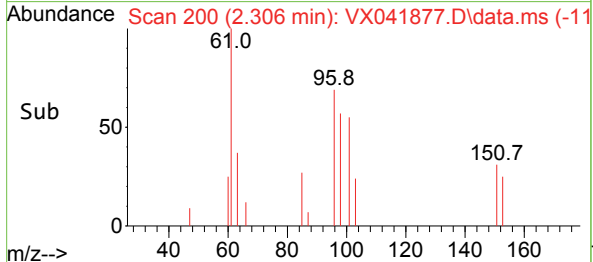
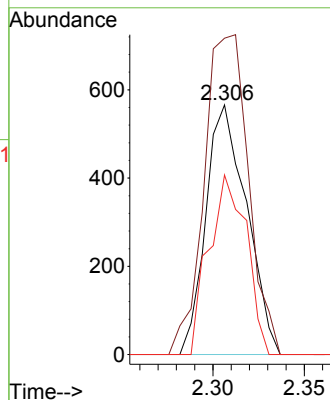
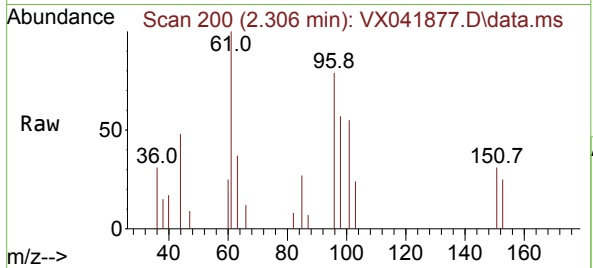




#10
1,1-Dichloroethene
Concen: 0.453 ug/l
RT: 2.306 min Scan# 200
Delta R.T. -0.000 min
Lab File: VX041877.D
Acq: 14 Jun 2024 14:52

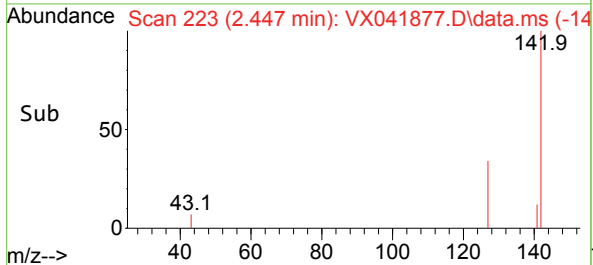
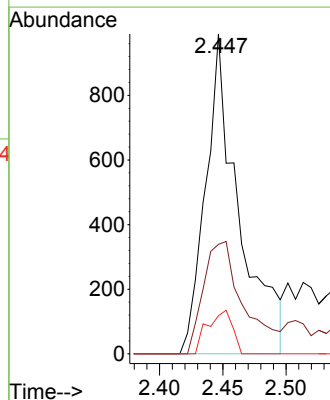
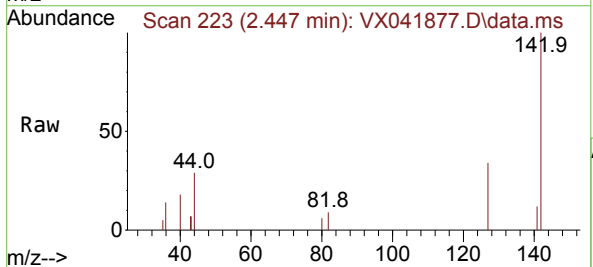
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ClientSampleId :
IBLK

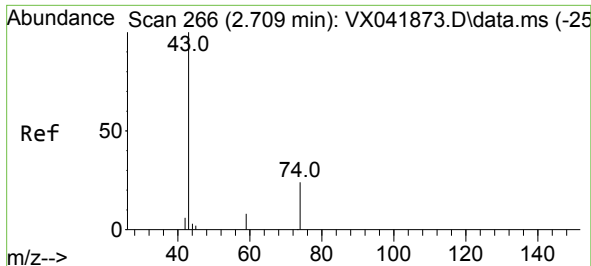
Tgt Ion:	96	Resp:	878
Ion	Ratio	Lower	Upper
96	100		
61	126.7	122.3	183.5
98	71.9	51.5	77.3



#11
Methyl Iodide
Concen: 0.718 ug/l
RT: 2.447 min Scan# 223
Delta R.T. 0.006 min
Lab File: VX041877.D
Acq: 14 Jun 2024 14:52

Tgt Ion:	142	Resp:	1814
Ion	Ratio	Lower	Upper
142	100		
127	33.6	19.8	59.3
141	13.0	6.7	20.1

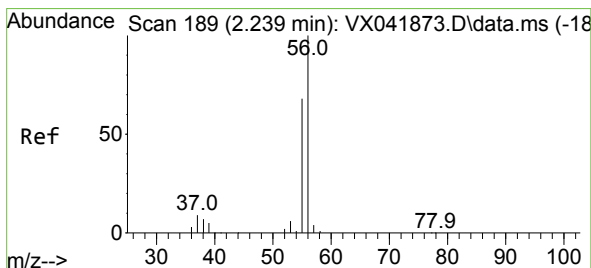
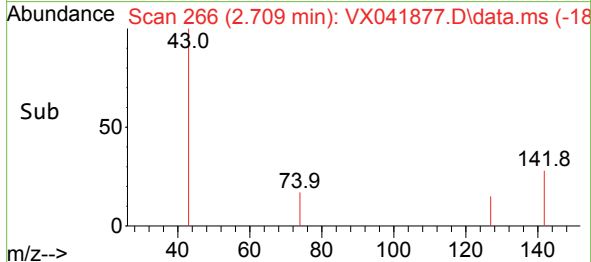
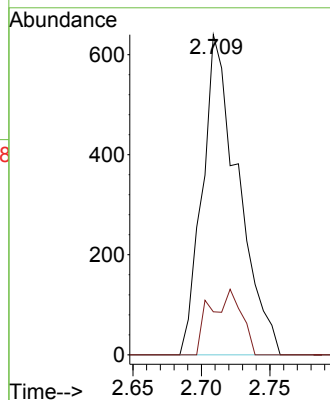
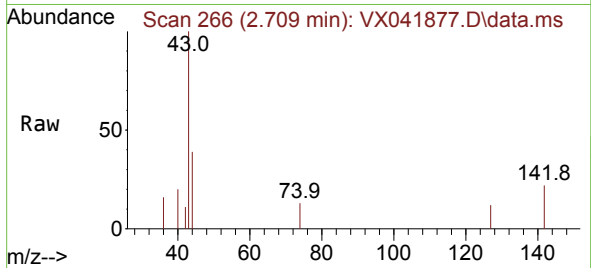




#12
Methyl Acetate
Concen: 0.469 ug/l
RT: 2.709 min Scan# 20
Delta R.T. -0.000 min
Lab File: VX041877.D
Acq: 14 Jun 2024 14:52

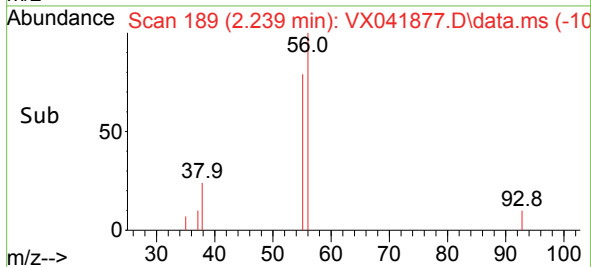
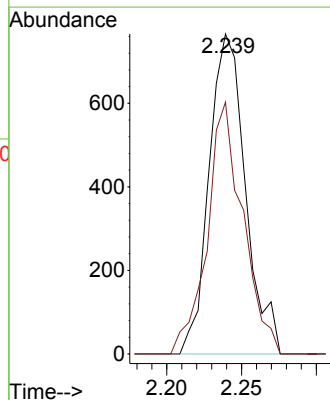
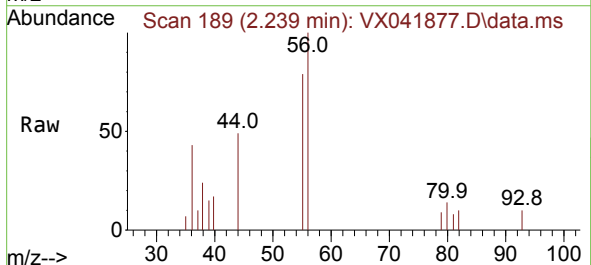
Instrument :
MSVOA_X
ClientSampleId :
IBLK

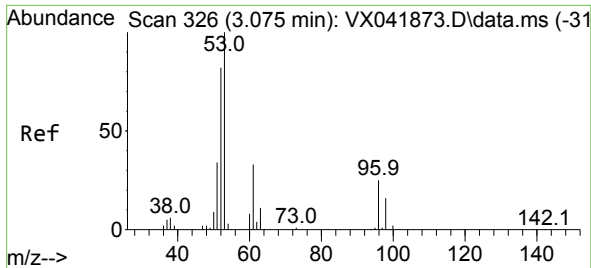
Tgt Ion: 43 Resp: 1161
Ion Ratio Lower Upper
43 100
74 13.4 19.4 29.2#



#13
Acrolein
Concen: 2.597 ug/l
RT: 2.239 min Scan# 189
Delta R.T. -0.000 min
Lab File: VX041877.D
Acq: 14 Jun 2024 14:52

Tgt Ion: 56 Resp: 1295
Ion Ratio Lower Upper
56 100
55 77.0 55.4 83.0





#14

Acrylonitrile

Concen: 1.828 ug/l

RT: 3.087 min Scan# 31

Delta R.T. 0.012 min

Lab File: VX041877.D

Acq: 14 Jun 2024 14:52

Instrument :

MSVOA_X

ClientSampleId :

IBLK

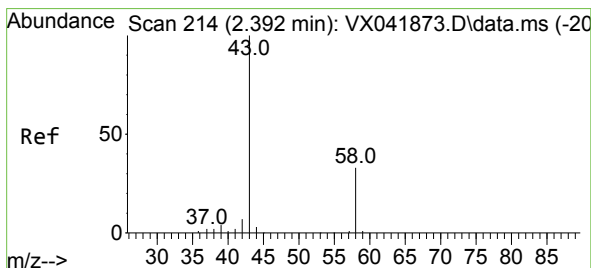
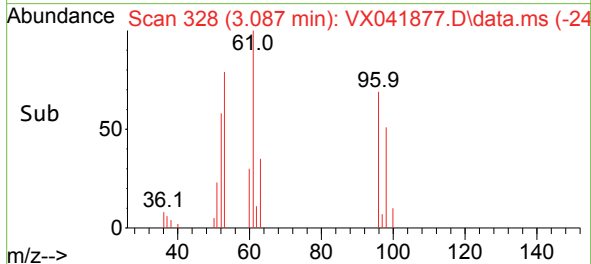
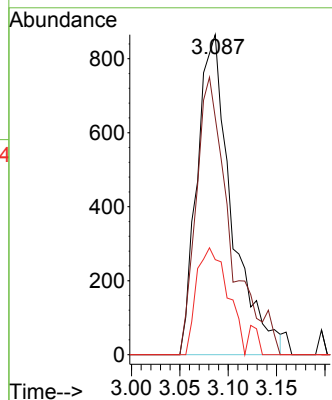
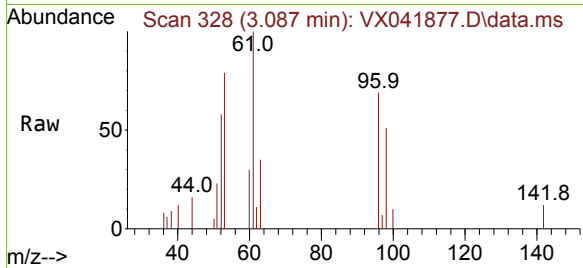
Tgt Ion: 53 Resp: 2146

Ion Ratio Lower Upper

53 100

52 69.2 39.9 119.7

51 30.2 17.4 52.3



#15

Acetone

Concen: 2.665 ug/l

RT: 2.392 min Scan# 214

Delta R.T. -0.000 min

Lab File: VX041877.D

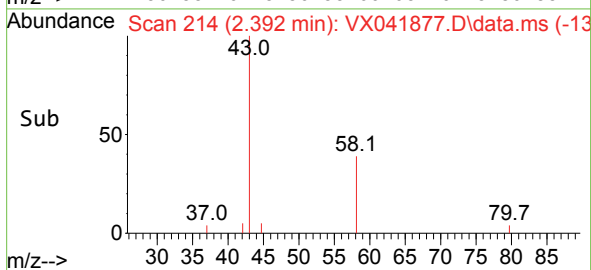
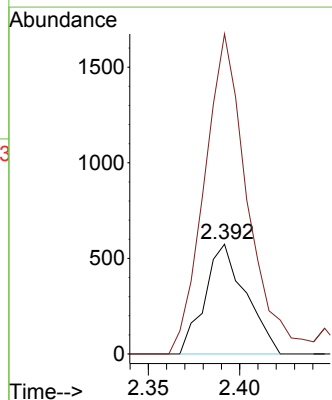
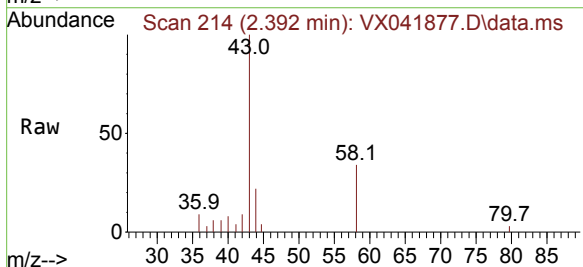
Acq: 14 Jun 2024 14:52

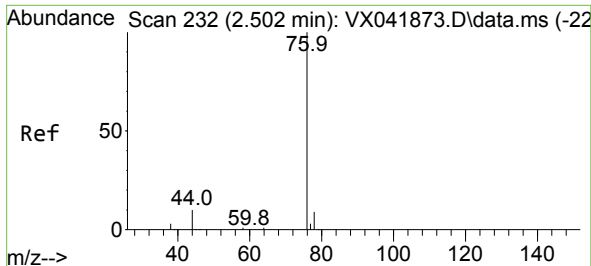
Tgt Ion: 58 Resp: 895

Ion Ratio Lower Upper

58 100

43 270.6 243.4 365.2





#16

Carbon Disulfide

Concen: 1.773 ug/l

RT: 2.501 min Scan# 21

Delta R.T. -0.000 min

Lab File: VX041877.D

Acq: 14 Jun 2024 14:52

Instrument :

MSVOA_X

ClientSampleId :

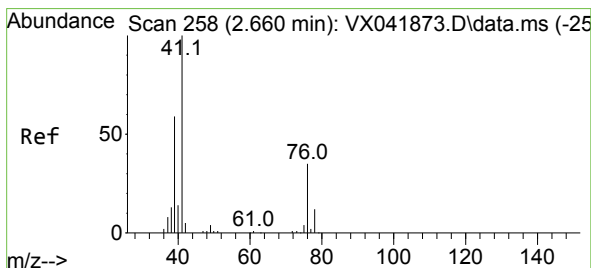
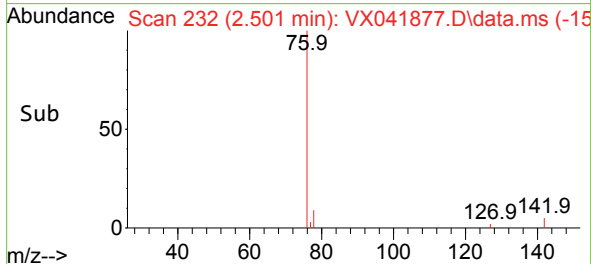
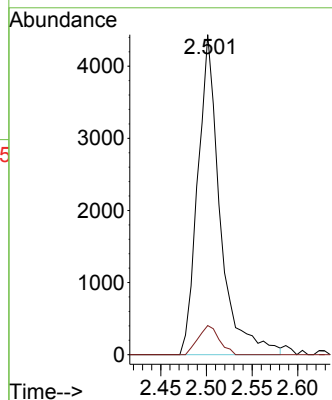
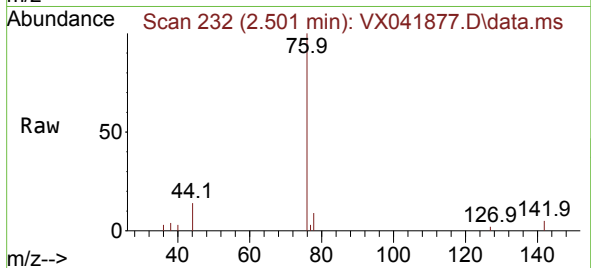
IBLK

Tgt Ion: 76 Resp: 7537

Ion Ratio Lower Upper

76 100

78 9.1 7.3 10.9



#17

Allyl chloride

Concen: 0.382 ug/l

RT: 2.660 min Scan# 258

Delta R.T. -0.000 min

Lab File: VX041877.D

Acq: 14 Jun 2024 14:52

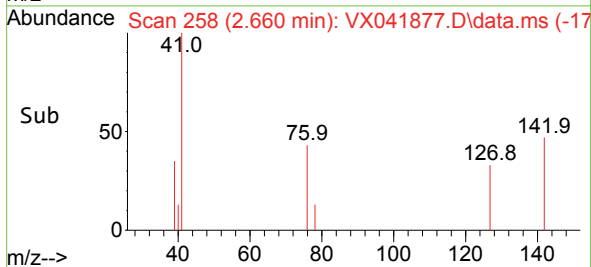
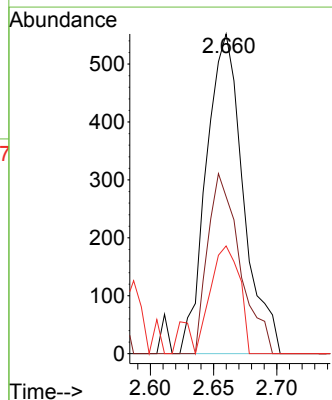
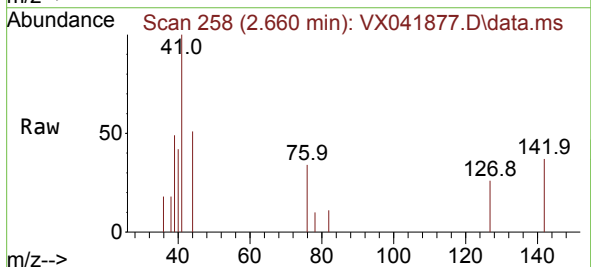
Tgt Ion: 41 Resp: 1126

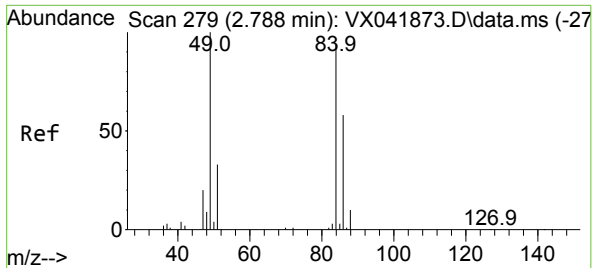
Ion Ratio Lower Upper

41 100

39 49.1 29.6 88.8

76 33.7 18.1 54.4



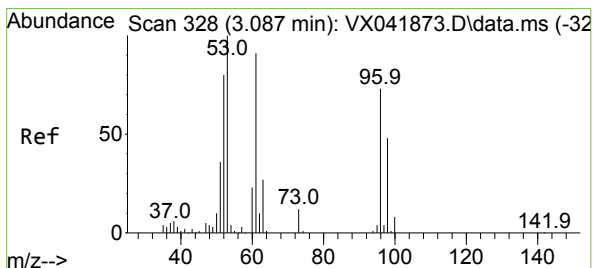
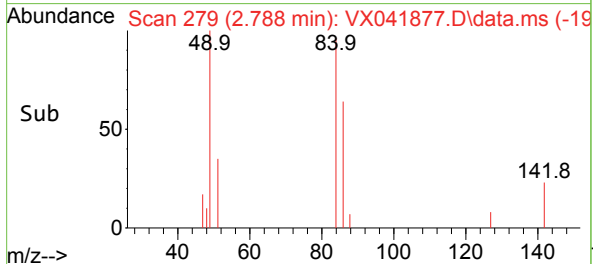
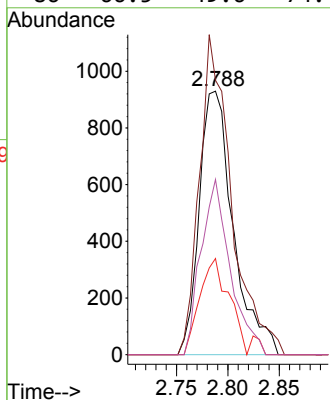
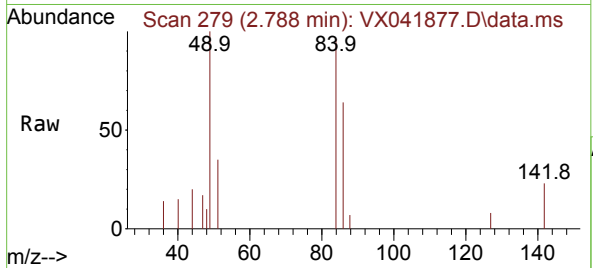


#18
Methylene Chloride
Concen: 0.961 ug/l
RT: 2.788 min Scan# 21
Delta R.T. -0.000 min
Lab File: VX041877.D
Acq: 14 Jun 2024 14:52

Instrument :
MSVOA_X
ClientSampleId :
IBLK

Tgt Ion: 84 Resp: 2139

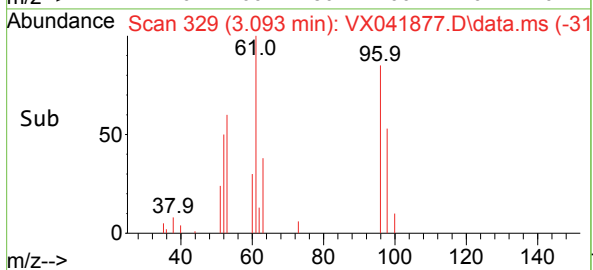
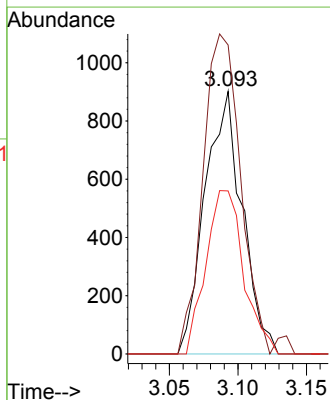
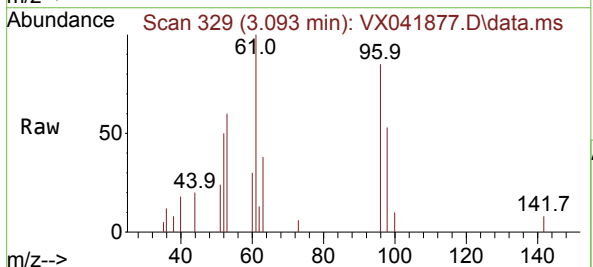
Ion	Ratio	Lower	Upper
84	100		
49	104.1	85.3	127.9
51	36.5	28.5	42.7
86	66.5	49.6	74.4

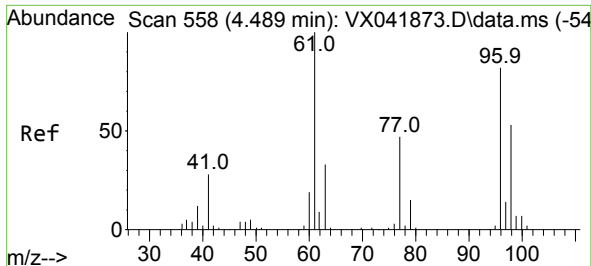


#19
trans-1,2-Dichloroethene
Concen: 0.878 ug/l
RT: 3.093 min Scan# 329
Delta R.T. 0.006 min
Lab File: VX041877.D
Acq: 14 Jun 2024 14:52

Tgt Ion: 96 Resp: 1706

Ion	Ratio	Lower	Upper
96	100		
61	117.6	100.1	150.1
98	62.1	52.1	78.1





#22

cis-1,2-Dichloroethene

Concen: 0.344 ug/l

RT: 4.495 min Scan# 51

Delta R.T. 0.006 min

Lab File: VX041877.D

Acq: 14 Jun 2024 14:52

Instrument :

MSVOA_X

ClientSampleId :

IBLK

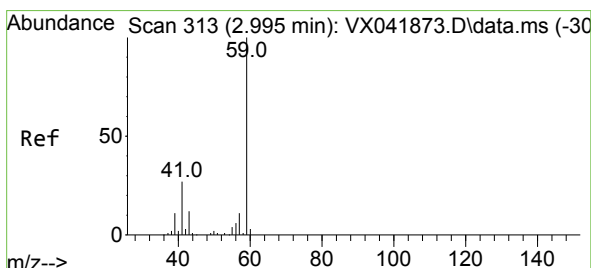
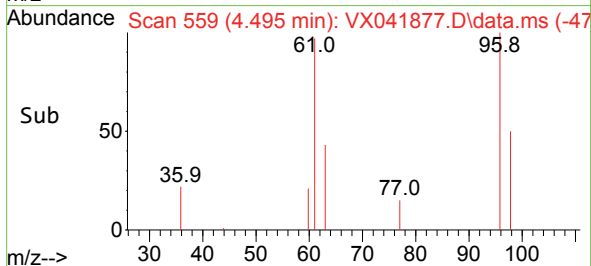
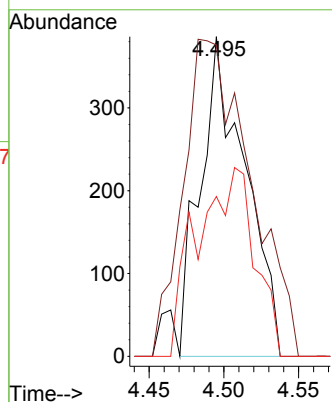
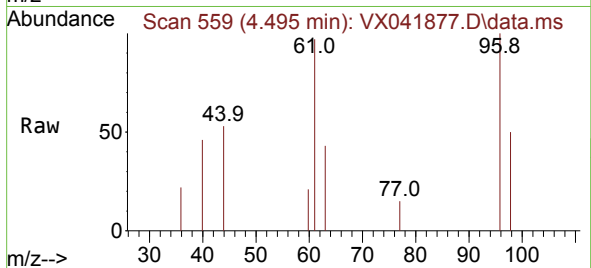
Tgt Ion: 96 Resp: 809

Ion Ratio Lower Upper

96 100

61 0.0 103.3 154.9#

98 18.3 52.2 78.2#



#23

tert-Butyl Alcohol

Concen: 2.044 ug/l

RT: 2.989 min Scan# 312

Delta R.T. -0.006 min

Lab File: VX041877.D

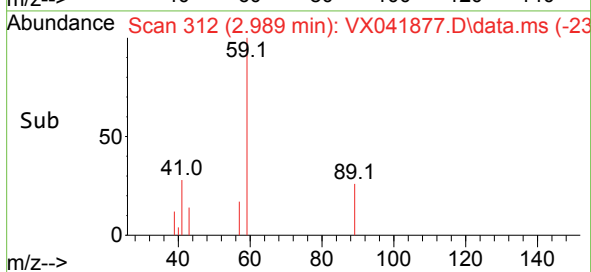
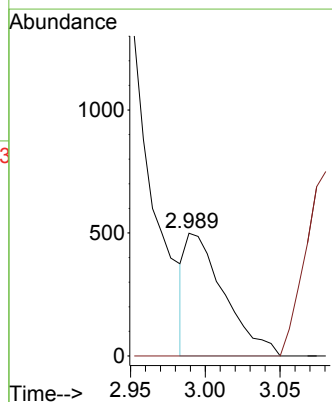
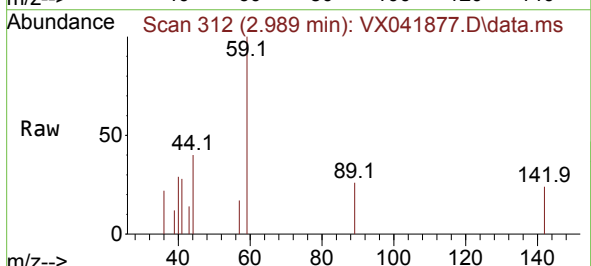
Acq: 14 Jun 2024 14:52

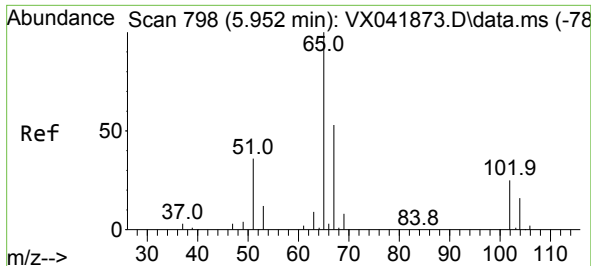
Tgt Ion: 59 Resp: 892

Ion Ratio Lower Upper

59 100

52 166.5 0.0 0.0#

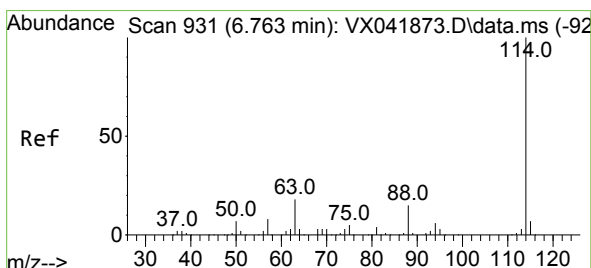
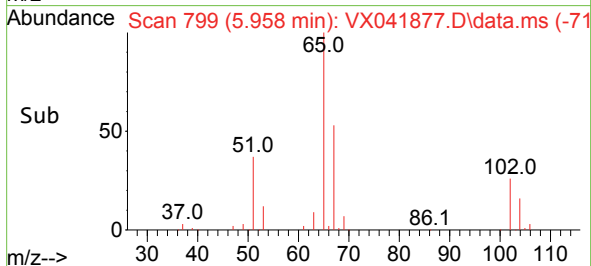
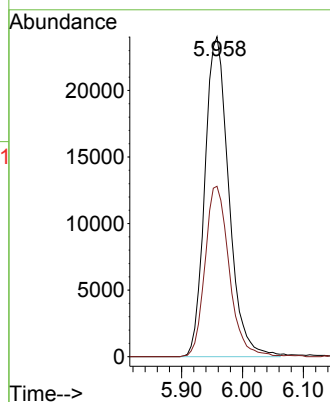
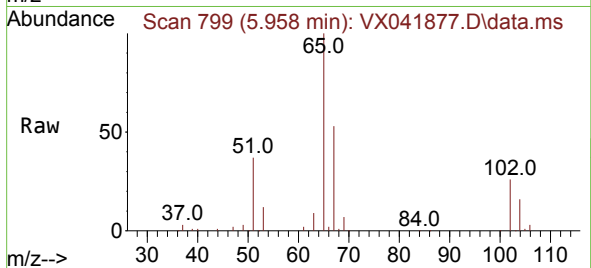




#27
1,2-Dichloroethane-d4
Concen: 30.054 ug/l
RT: 5.958 min Scan# 798
Delta R.T. 0.006 min
Lab File: VX041877.D
Acq: 14 Jun 2024 14:52

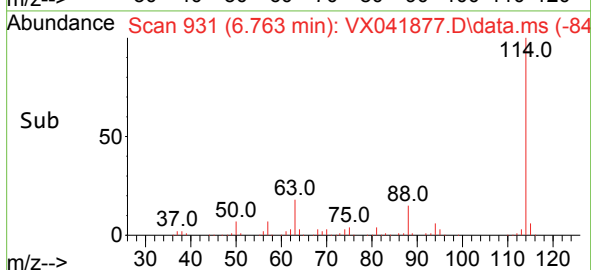
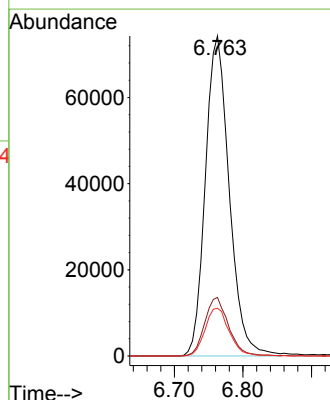
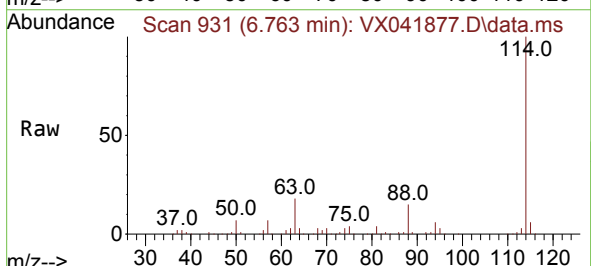
Instrument :
MSVOA_X
ClientSampleId :
IBLK

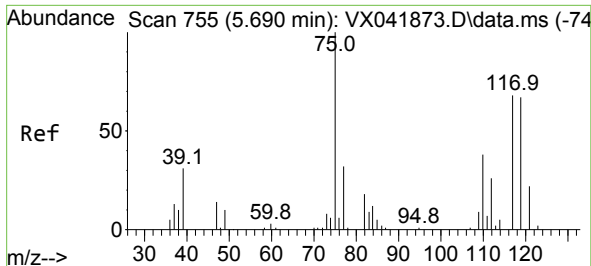
Tgt Ion: 65 Resp: 65673
Ion Ratio Lower Upper
65 100
67 53.7 43.4 65.0



#28
1,4-Difluorobenzene
Concen: 30.000 ug/l
RT: 6.763 min Scan# 931
Delta R.T. -0.000 min
Lab File: VX041877.D
Acq: 14 Jun 2024 14:52

Tgt Ion: 114 Resp: 179964
Ion Ratio Lower Upper
114 100
63 18.2 14.6 21.8
88 15.0 11.8 17.8





#29

1,1-Dichloropropene

Concen: 0.601 ug/l

RT: 5.696 min Scan# 755

Delta R.T. 0.006 min

Lab File: VX041877.D

Acq: 14 Jun 2024 14:52

Instrument :

MSVOA_X

ClientSampleId :

IBLK

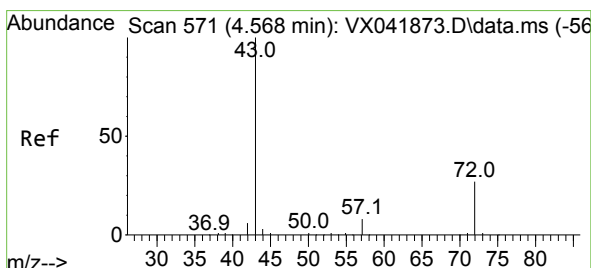
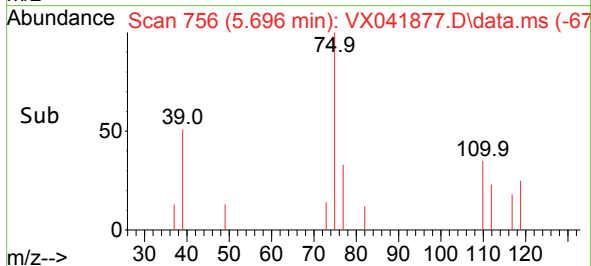
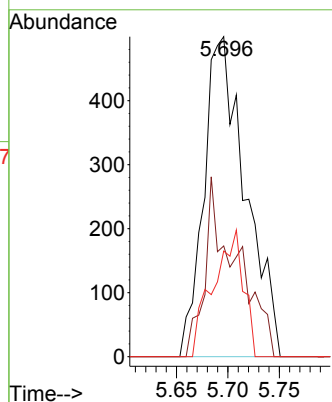
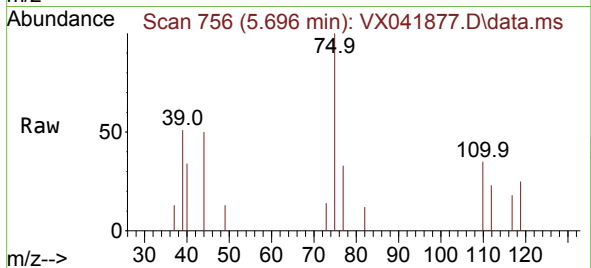
Tgt Ion: 75 Resp: 1411

Ion Ratio Lower Upper

75 100

110 25.4 0.0 80.2

77 0.0 0.0 65.2



#30

2-Butanone

Concen: 0.666 ug/l

RT: 4.617 min Scan# 579

Delta R.T. 0.049 min

Lab File: VX041877.D

Acq: 14 Jun 2024 14:52

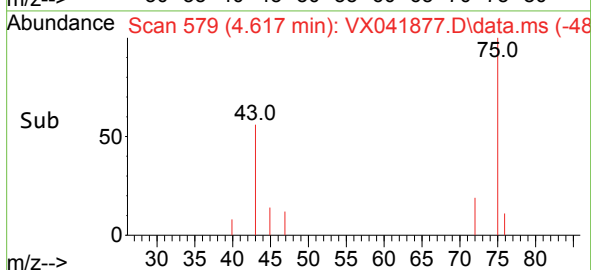
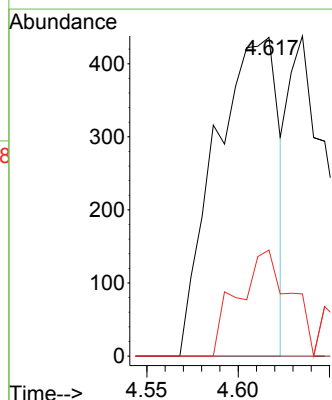
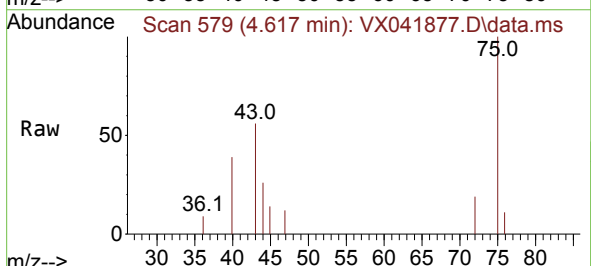
Tgt Ion: 43 Resp: 1045

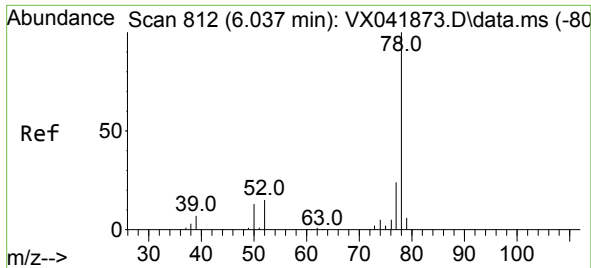
Ion Ratio Lower Upper

43 100

57 0.0 6.5 9.7#

72 12.8 22.0 33.0#





#34

Benzene

Concen: 0.223 ug/l

RT: 6.043 min Scan# 812

Delta R.T. 0.006 min

Lab File: VX041877.D

Acq: 14 Jun 2024 14:52

Instrument :

MSVOA_X

ClientSampleId :

IBLK

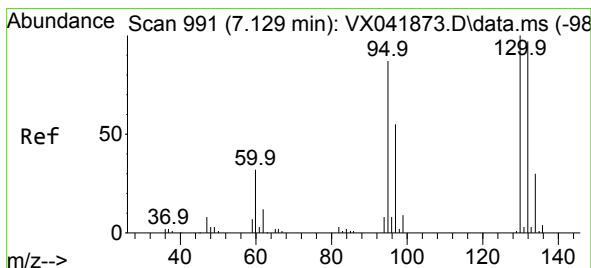
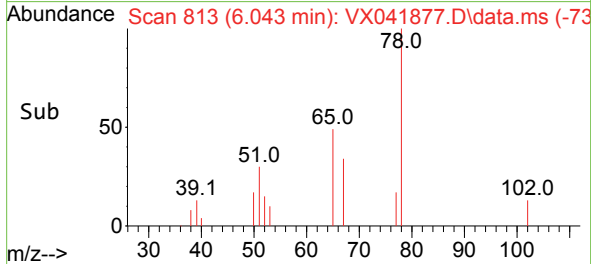
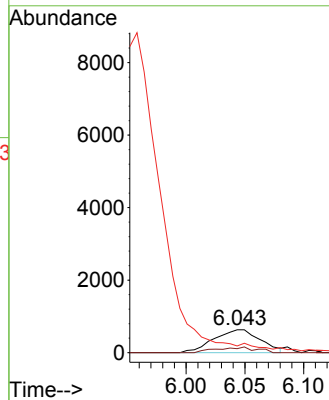
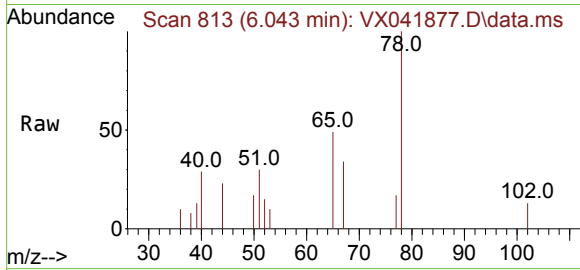
Tgt Ion: 78 Resp: 1743

Ion Ratio Lower Upper

78 100

77 17.3 18.9 28.3#

51 7.1 11.8 17.8#



#37

Trichloroethene

Concen: 0.664 ug/l

RT: 7.129 min Scan# 991

Delta R.T. -0.000 min

Lab File: VX041877.D

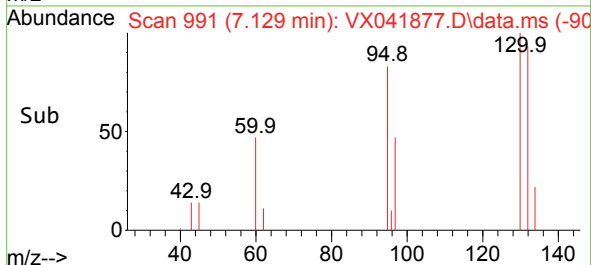
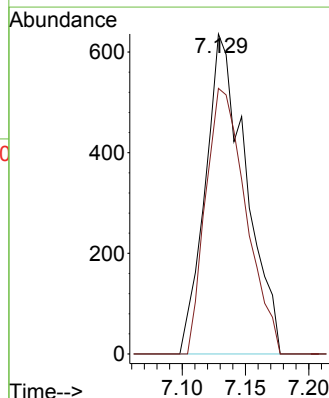
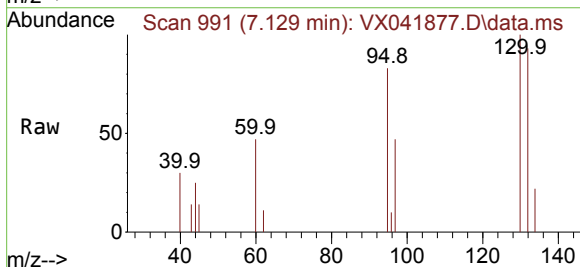
Acq: 14 Jun 2024 14:52

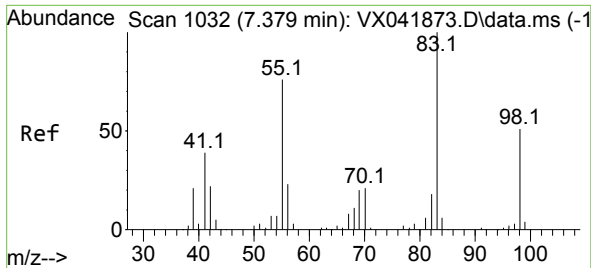
Tgt Ion:130 Resp: 1420

Ion Ratio Lower Upper

130 100

95 83.0 69.4 104.0

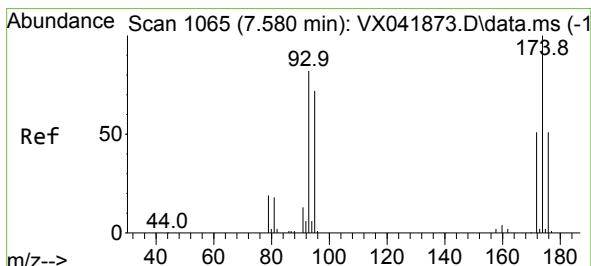
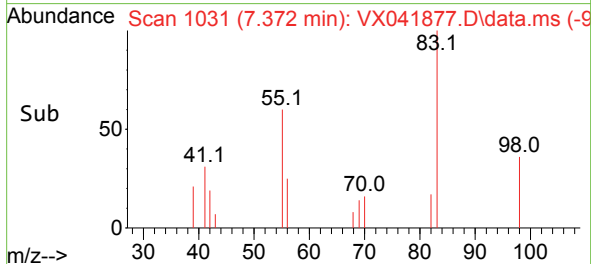
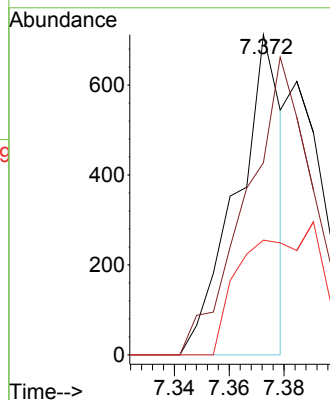
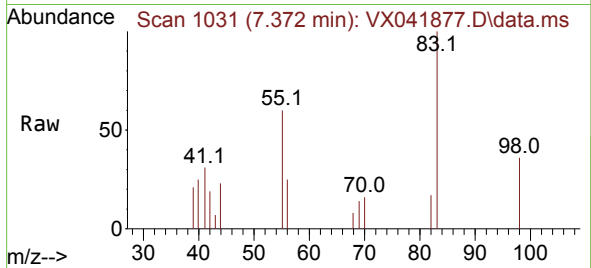




#38
Methylcyclohexane
Concen: 0.262 ug/l
RT: 7.372 min Scan# 1031
Delta R.T. -0.006 min
Lab File: VX041877.D
Acq: 14 Jun 2024 14:52

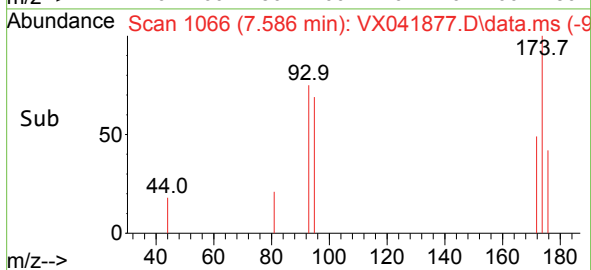
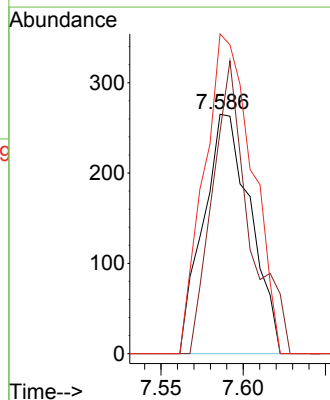
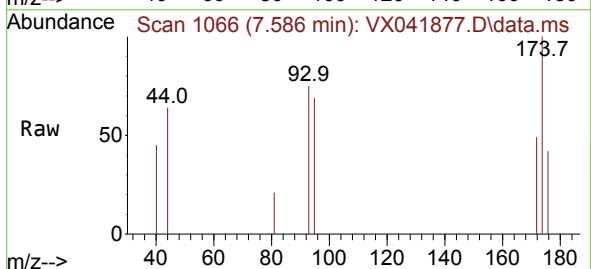
Instrument :
MSVOA_X
ClientSampleId :
IBLK

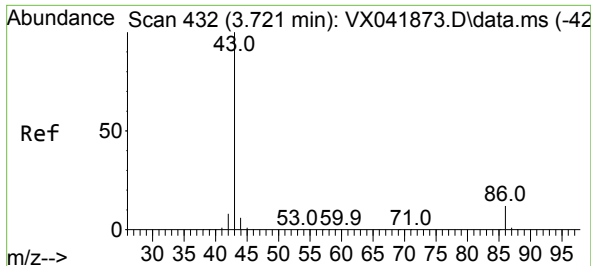
Tgt Ion: 83 Resp: 815
Ion Ratio Lower Upper
83 100
55 143.2 37.3 111.9#
98 50.6 24.8 74.4



#40
Dibromomethane
Concen: 0.382 ug/l
RT: 7.586 min Scan# 1066
Delta R.T. 0.006 min
Lab File: VX041877.D
Acq: 14 Jun 2024 14:52

Tgt Ion: 93 Resp: 527
Ion Ratio Lower Upper
93 100
95 95.6 0.0 168.6
174 136.6 0.0 255.0

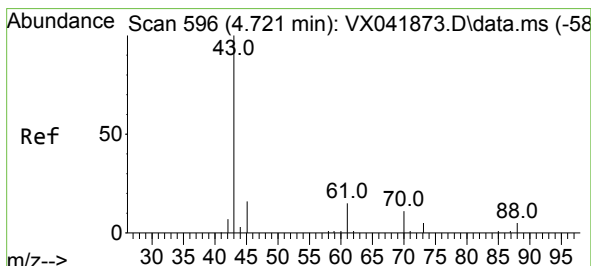
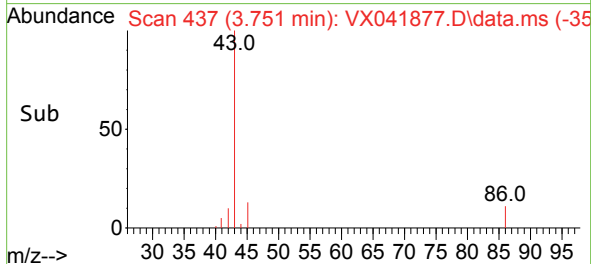
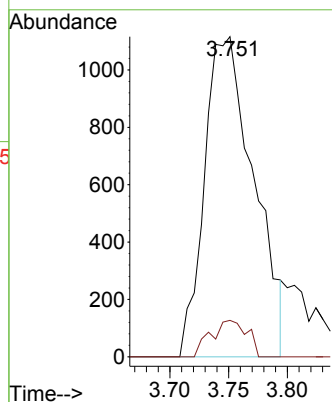
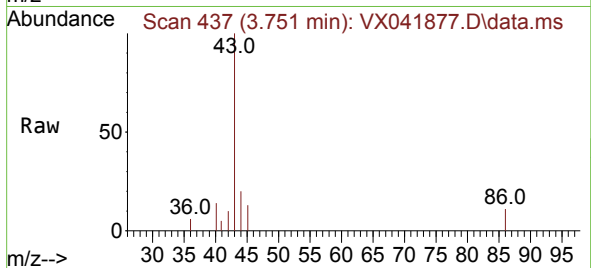




#42
Vinyl Acetate
Concen: 0.621 ug/l
RT: 3.751 min Scan# 41
Delta R.T. 0.030 min
Lab File: VX041877.D
Acq: 14 Jun 2024 14:52

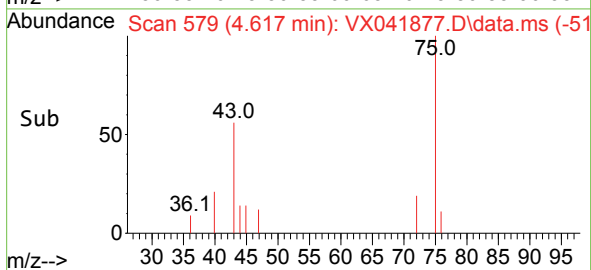
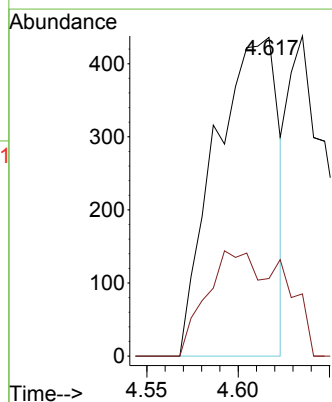
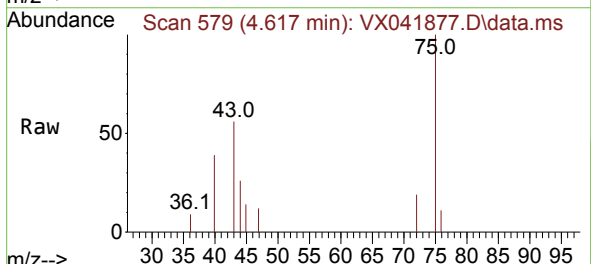
Instrument :
MSVOA_X
ClientSampleId :
IBLK

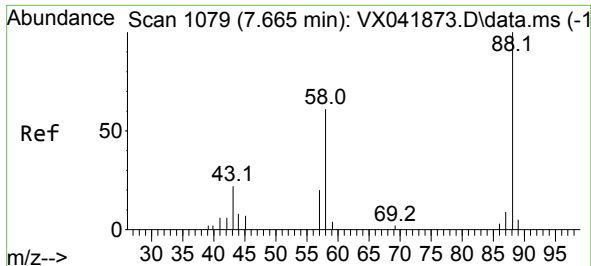
Tgt Ion: 43 Resp: 3260
Ion Ratio Lower Upper
43 100
86 6.0 8.5 12.7#



#43
Ethyl Acetate
Concen: 0.355 ug/l
RT: 4.617 min Scan# 579
Delta R.T. -0.104 min
Lab File: VX041877.D
Acq: 14 Jun 2024 14:52

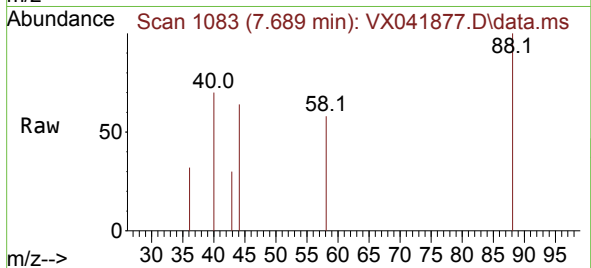
Tgt Ion: 43 Resp: 1045
Ion Ratio Lower Upper
43 100
45 14.1 12.4 18.6



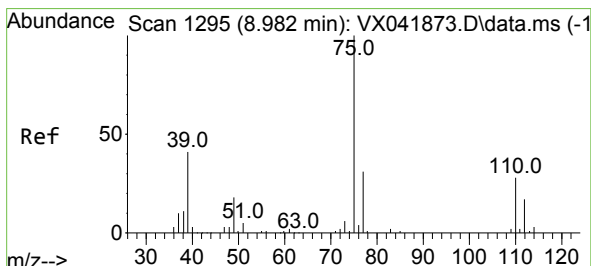
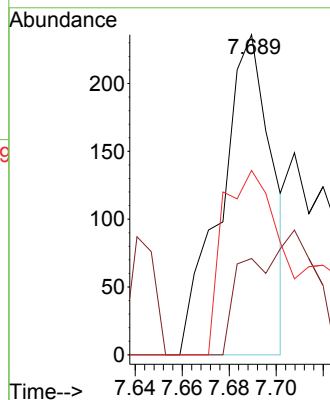
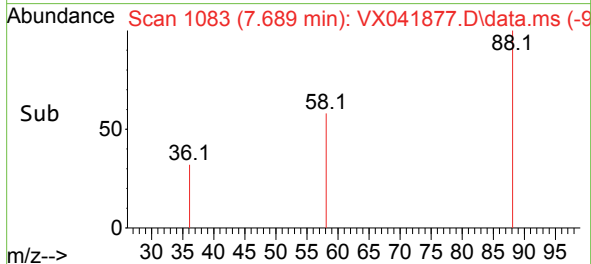


#45
1,4-Dioxane
Concen: 6.682 ug/l
RT: 7.689 min Scan# 1083
Delta R.T. 0.024 min
Lab File: VX041877.D
Acq: 14 Jun 2024 14:52

Instrument :
MSVOA_X
ClientSampleId :
IBLK

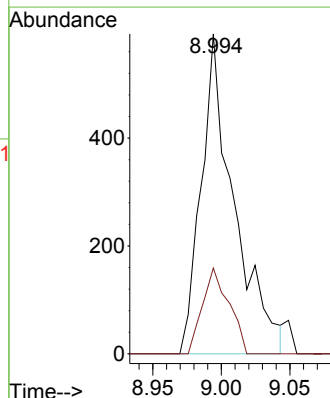
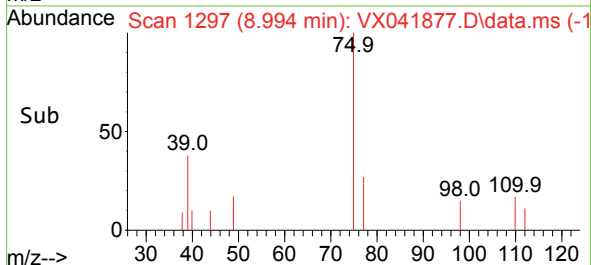
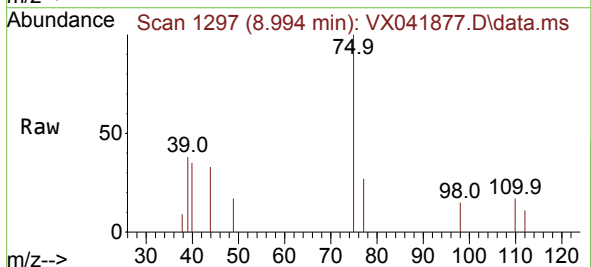


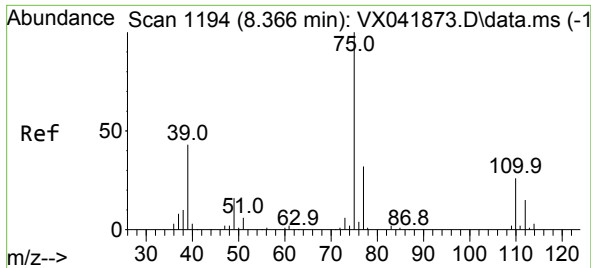
Tgt Ion: 88 Resp: 359
Ion Ratio Lower Upper
88 100
43 20.1 23.2 34.8#
58 64.1 52.6 78.8



#48
t-1,3-Dichloropropene
Concen: 0.388 ug/l
RT: 8.994 min Scan# 1297
Delta R.T. 0.012 min
Lab File: VX041877.D
Acq: 14 Jun 2024 14:52

Tgt Ion: 75 Resp: 987
Ion Ratio Lower Upper
75 100
77 26.8 25.1 37.7





#49

cis-1,3-Dichloropropene

Concen: 0.266 ug/l

RT: 8.372 min Scan# 1195

Delta R.T. 0.006 min

Lab File: VX041877.D

Acq: 14 Jun 2024 14:52

Instrument :

MSVOA_X

ClientSampleId :

IBLK

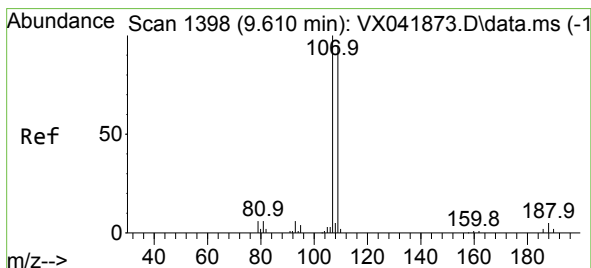
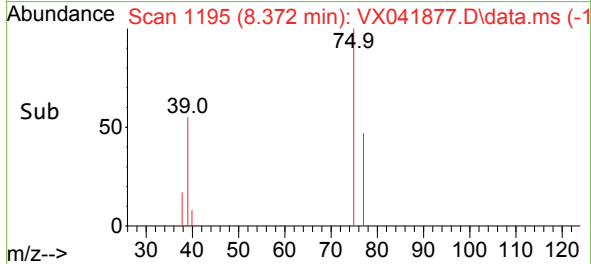
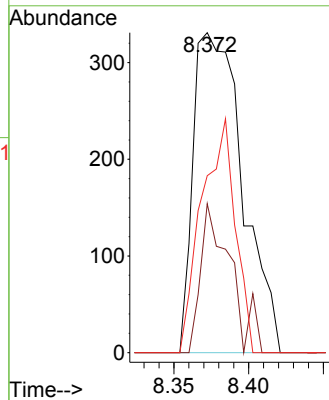
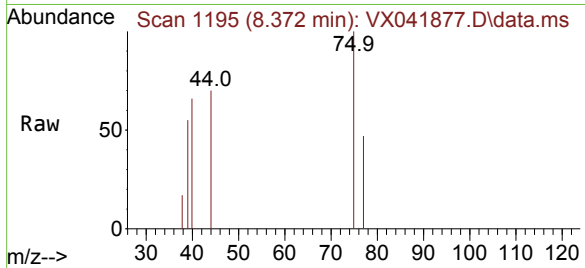
Tgt Ion: 75 Resp: 759

Ion Ratio Lower Upper

75 100

77 46.5 25.8 38.8#

39 55.3 34.8 52.2#



#54

1,2-Dibromoethane

Concen: 0.258 ug/l

RT: 9.616 min Scan# 1399

Delta R.T. 0.006 min

Lab File: VX041877.D

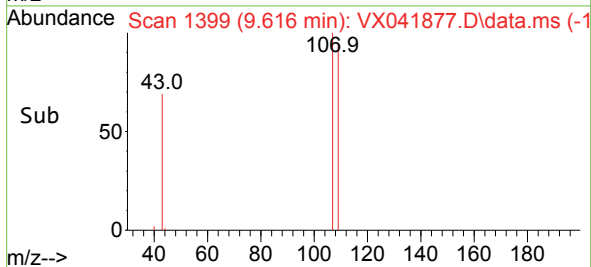
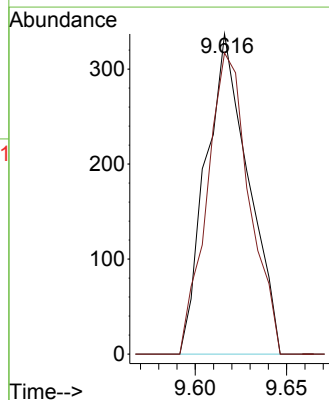
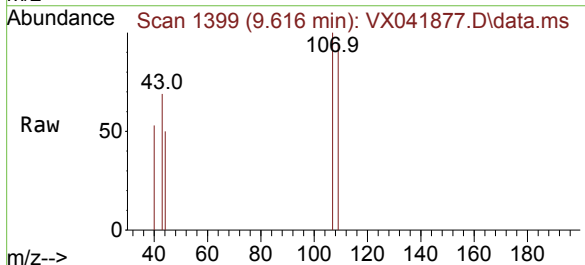
Acq: 14 Jun 2024 14:52

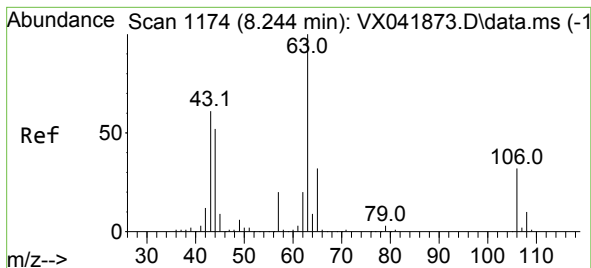
Tgt Ion:107 Resp: 546

Ion Ratio Lower Upper

107 100

109 93.6 75.7 113.5

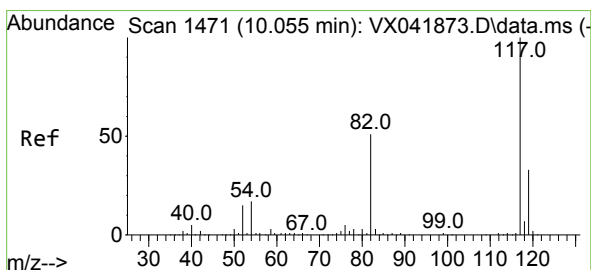
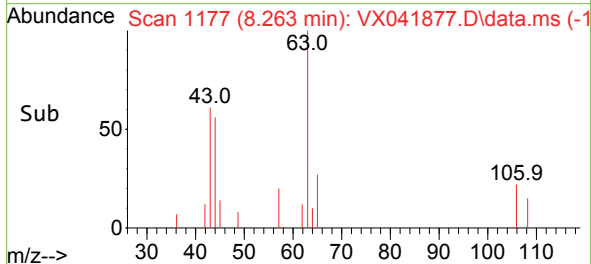
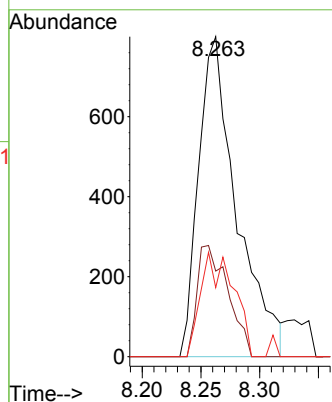
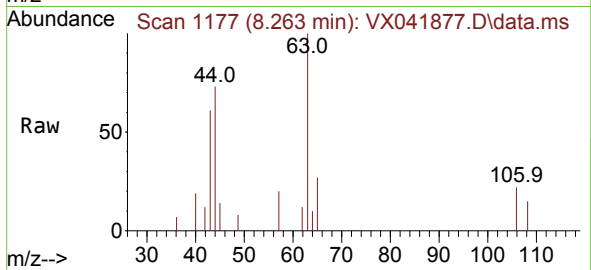




#55
2-Chloroethyl vinyl ether
Concen: 1.218 ug/l
RT: 8.263 min Scan# 1177
Delta R.T. 0.018 min
Lab File: VX041877.D
Acq: 14 Jun 2024 14:52

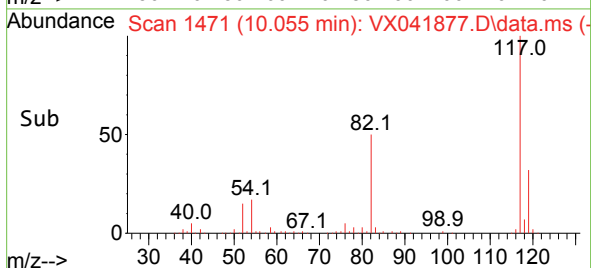
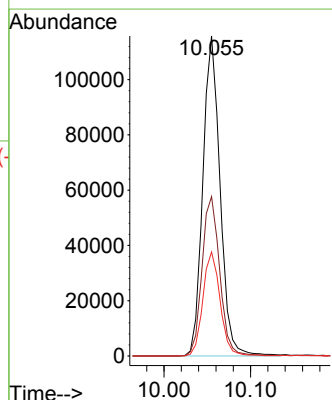
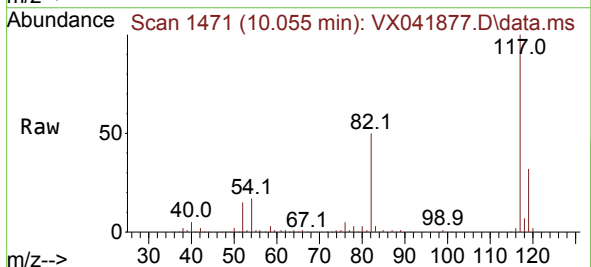
Instrument :
MSVOA_X
ClientSampleId :
IBLK

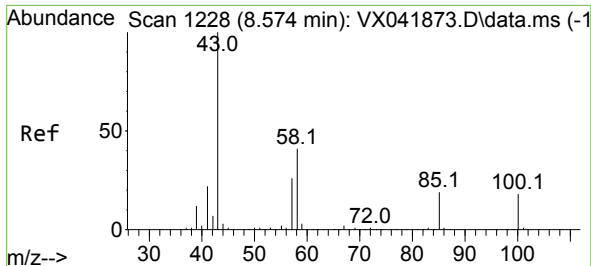
Tgt Ion: 63 Resp: 1806
Ion Ratio Lower Upper
63 100
65 28.2 25.7 38.5
106 13.8 25.3 37.9#



#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. -0.000 min
Lab File: VX041877.D
Acq: 14 Jun 2024 14:52

Tgt Ion: 117 Resp: 160356
Ion Ratio Lower Upper
117 100
82 51.1 41.1 61.7
119 32.6 26.1 39.1





#58

4-Methyl-2-Pentanone

Concen: 0.680 ug/l

RT: 8.580 min Scan# 11

Delta R.T. 0.006 min

Lab File: VX041877.D

Acq: 14 Jun 2024 14:52

Instrument :

MSVOA_X

ClientSampleId :

IBLK

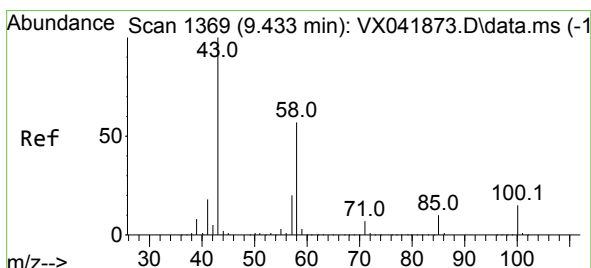
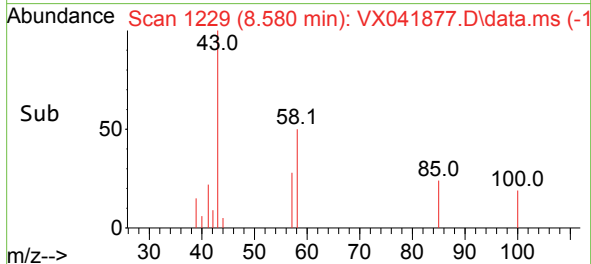
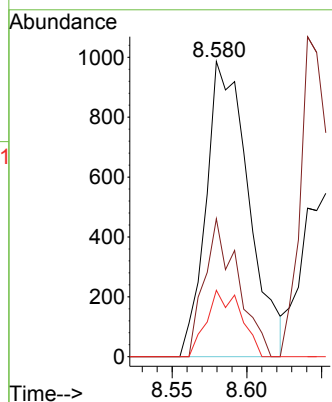
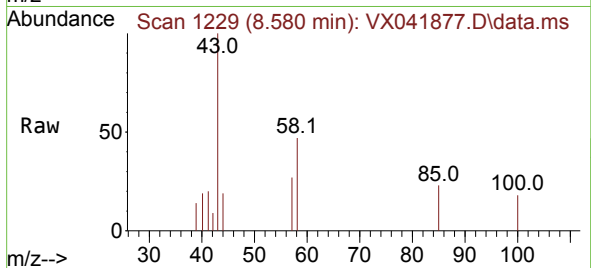
Tgt Ion: 43 Resp: 1955

Ion Ratio Lower Upper

43 100

58 36.6 33.2 49.8

85 18.1 15.5 23.3



#59

2-Hexanone

Concen: 0.797 ug/l

RT: 9.451 min Scan# 1372

Delta R.T. 0.018 min

Lab File: VX041877.D

Acq: 14 Jun 2024 14:52

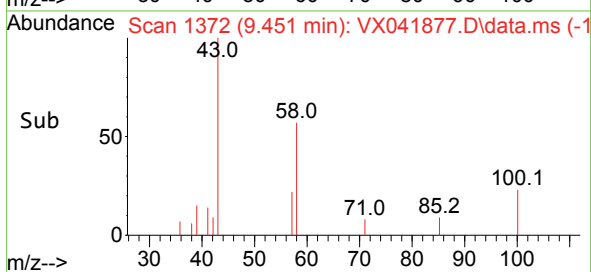
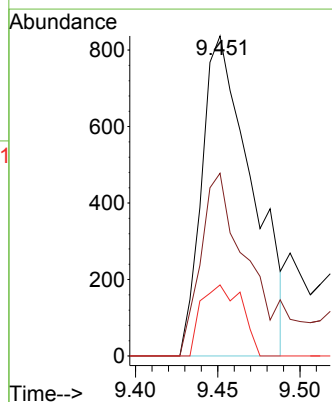
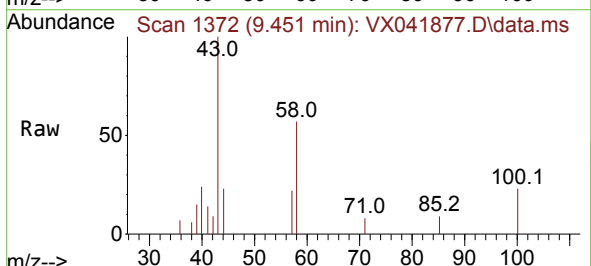
Tgt Ion: 43 Resp: 1768

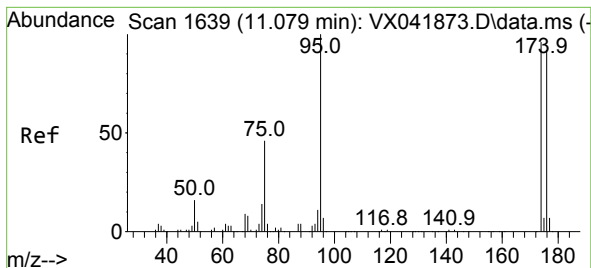
Ion Ratio Lower Upper

43 100

58 50.0 46.0 69.0

57 18.1 15.8 23.6

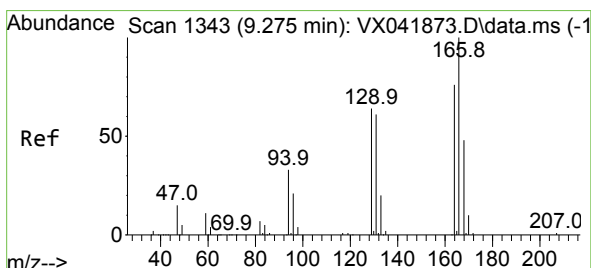
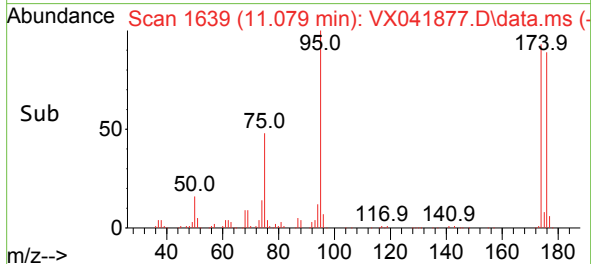
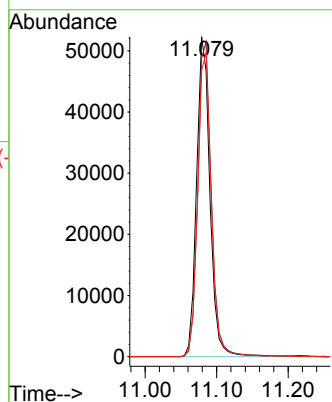
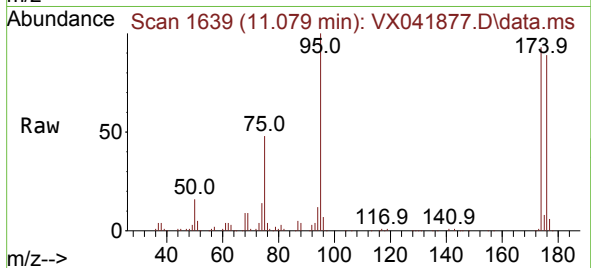




#60
4-Bromofluorobenzene
Concen: 27.305 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.000 min
Lab File: VX041877.D
Acq: 14 Jun 2024 14:52

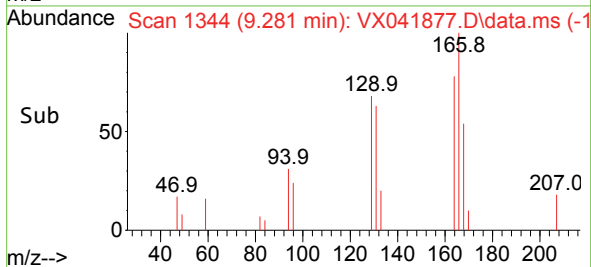
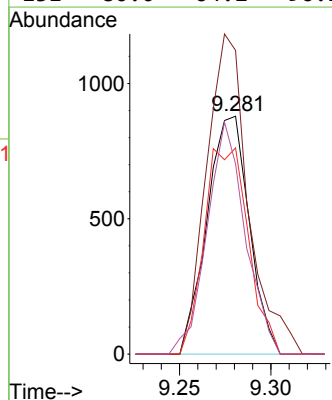
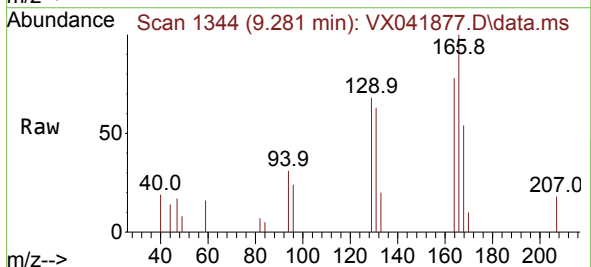
Instrument :
MSVOA_X
ClientSampleId :
IBLK

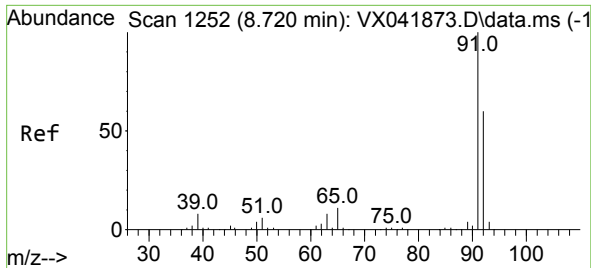
Tgt Ion: 95 Resp: 67777
Ion Ratio Lower Upper
95 100
174 100.0 78.9 118.3
176 96.2 77.1 115.7



#61
Tetrachloroethene
Concen: 0.699 ug/l
RT: 9.281 min Scan# 1344
Delta R.T. 0.006 min
Lab File: VX041877.D
Acq: 14 Jun 2024 14:52

Tgt Ion: 164 Resp: 1410
Ion Ratio Lower Upper
164 100
166 127.6 105.0 157.6
129 86.7 67.1 100.7
131 80.0 64.2 96.2

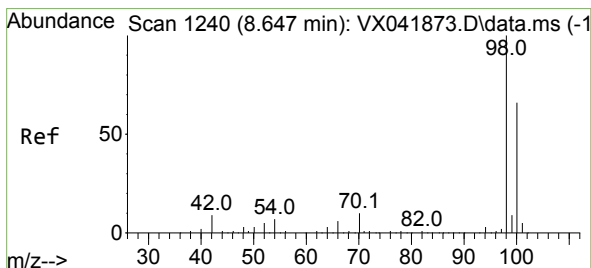
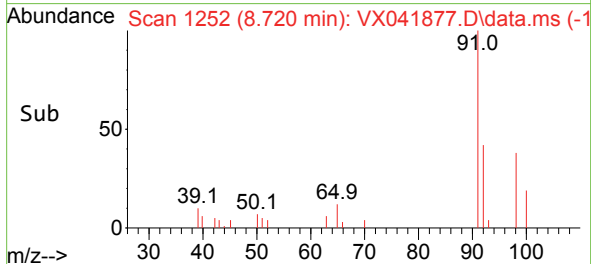
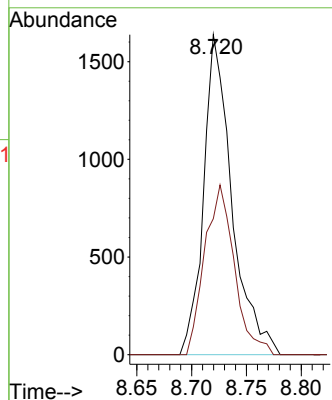
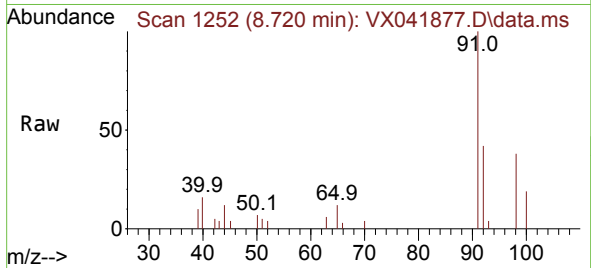




#62
Toluene
Concen: 0.363 ug/l
RT: 8.720 min Scan# 1252
Delta R.T. -0.000 min
Lab File: VX041877.D
Acq: 14 Jun 2024 14:52

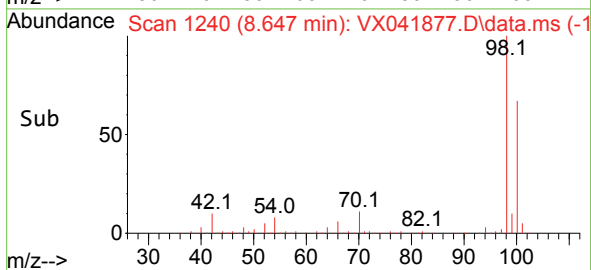
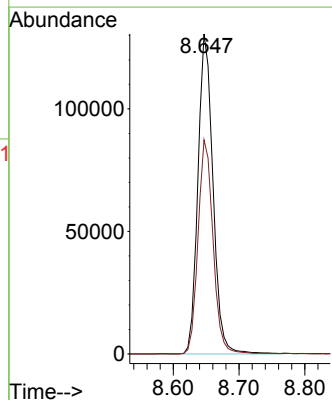
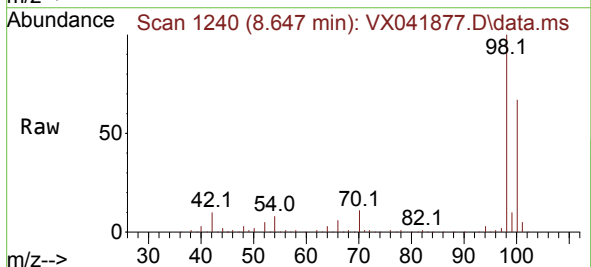
Instrument :
MSVOA_X
ClientSampleId :
IBLK

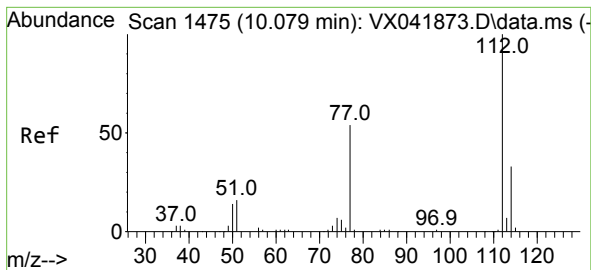
Tgt Ion: 91 Resp: 2949
Ion Ratio Lower Upper
91 100
92 55.5 47.4 71.2



#63
Toluene-d8
Concen: 30.247 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. -0.000 min
Lab File: VX041877.D
Acq: 14 Jun 2024 14:52

Tgt Ion: 98 Resp: 207510
Ion Ratio Lower Upper
98 100
100 66.4 52.7 79.1

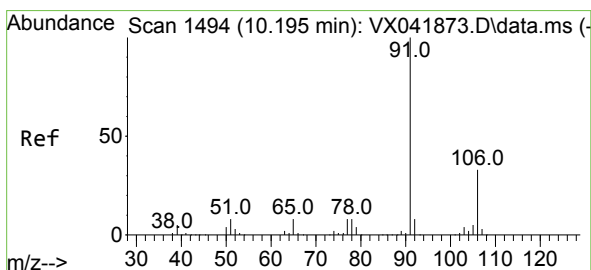
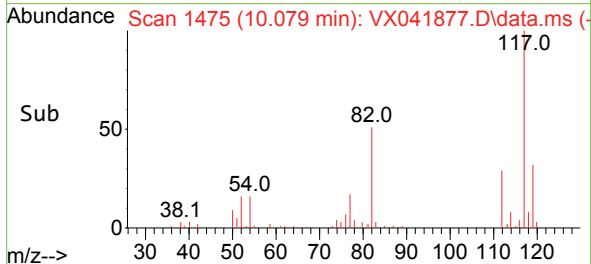
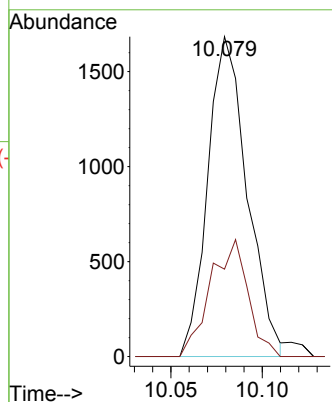
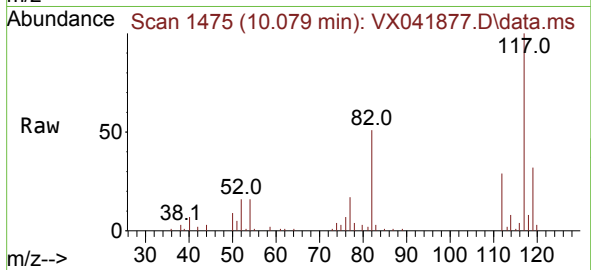




#64
Chlorobenzene
Concen: 0.457 ug/l
RT: 10.079 min Scan# 1475
Delta R.T. -0.000 min
Lab File: VX041877.D
Acq: 14 Jun 2024 14:52

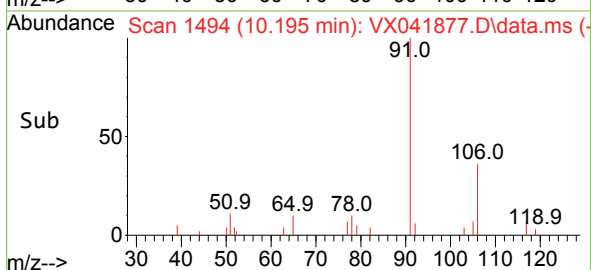
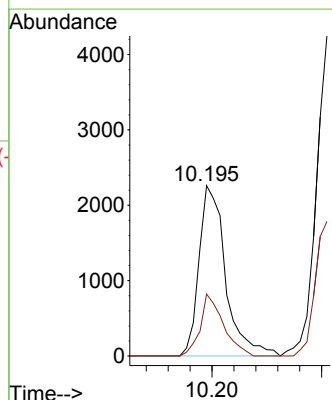
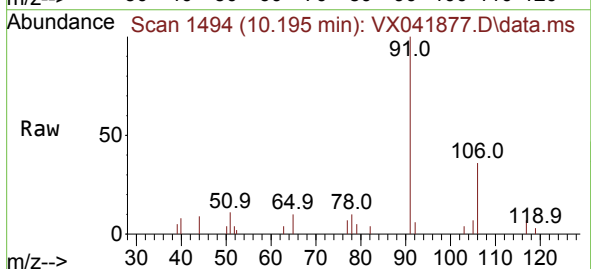
Instrument :
MSVOA_X
ClientSampleId :
IBLK

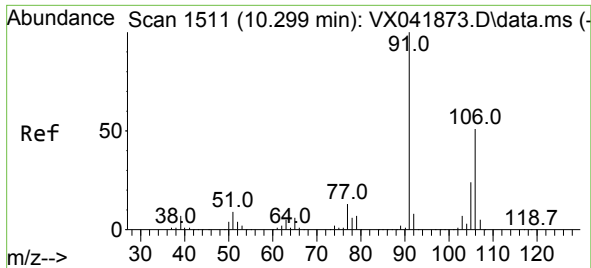
Tgt Ion:112 Resp: 2526
Ion Ratio Lower Upper
112 100
114 27.3 26.2 39.4



#66
Ethyl Benzene
Concen: 0.430 ug/l
RT: 10.195 min Scan# 1494
Delta R.T. -0.000 min
Lab File: VX041877.D
Acq: 14 Jun 2024 14:52

Tgt Ion: 91 Resp: 3815
Ion Ratio Lower Upper
91 100
106 36.4 26.4 39.6

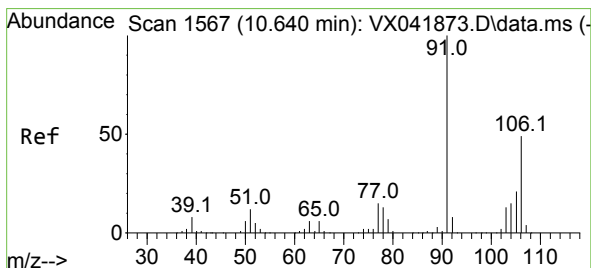
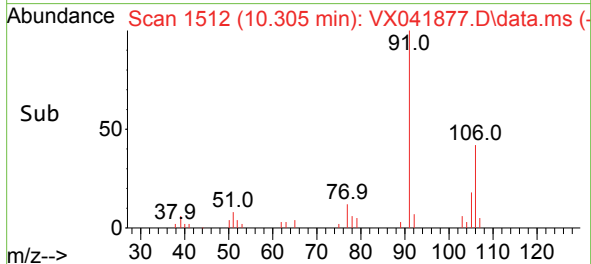
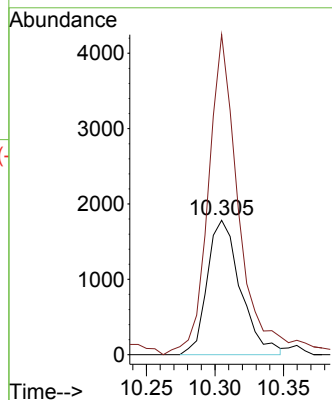
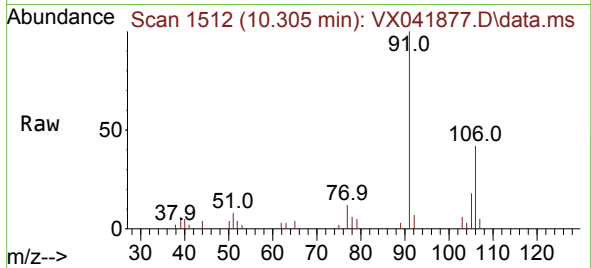




#67
m/p-Xylenes
Concen: 0.847 ug/l
RT: 10.305 min Scan# 1511
Delta R.T. 0.006 min
Lab File: VX041877.D
Acq: 14 Jun 2024 14:52

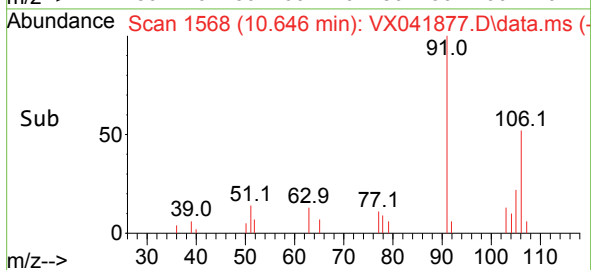
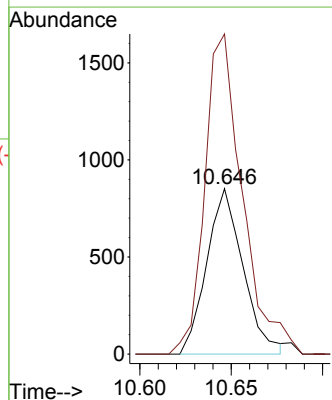
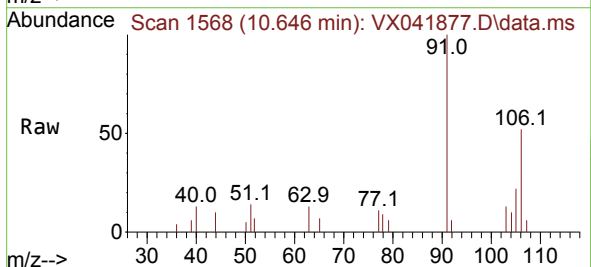
Instrument :
MSVOA_X
ClientSampleId :
IBLK

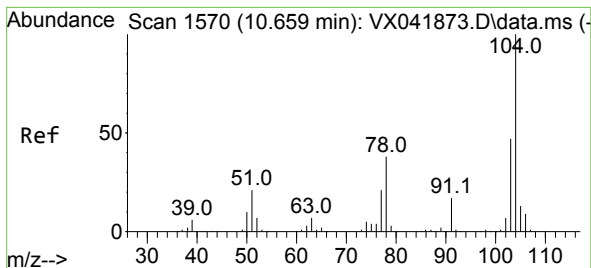
Tgt Ion:106 Resp: 3021
Ion Ratio Lower Upper
106 100
91 213.0 157.0 235.6



#68
o-Xylene
Concen: 0.332 ug/l
RT: 10.646 min Scan# 1568
Delta R.T. 0.006 min
Lab File: VX041877.D
Acq: 14 Jun 2024 14:52

Tgt Ion:106 Resp: 1180
Ion Ratio Lower Upper
106 100
91 200.4 103.2 309.6





#69

Styrene

Concen: 0.373 ug/l

RT: 10.665 min Scan# 11

Delta R.T. 0.006 min

Lab File: VX041877.D

Acq: 14 Jun 2024 14:52

Instrument :

MSVOA_X

ClientSampleId :

IBLK

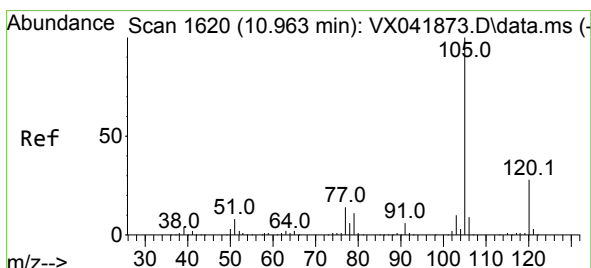
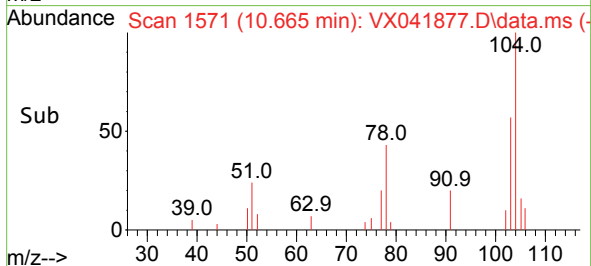
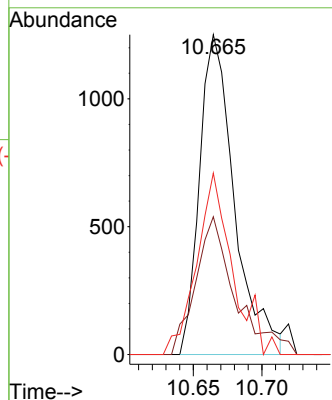
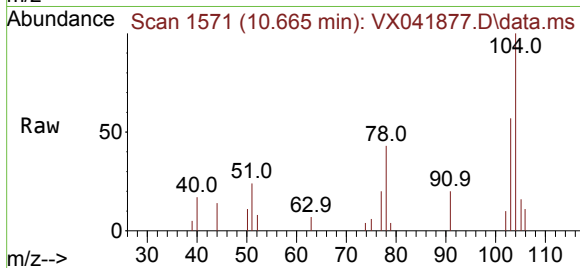
Tgt Ion:104 Resp: 2219

Ion Ratio Lower Upper

104 100

78 44.2 36.5 54.7

103 53.0 43.4 65.2



#70

Isopropylbenzene

Concen: 0.366 ug/l

RT: 10.963 min Scan# 1620

Delta R.T. -0.000 min

Lab File: VX041877.D

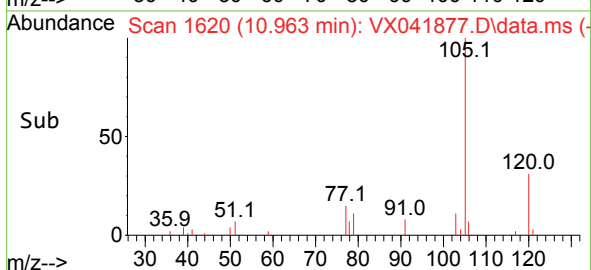
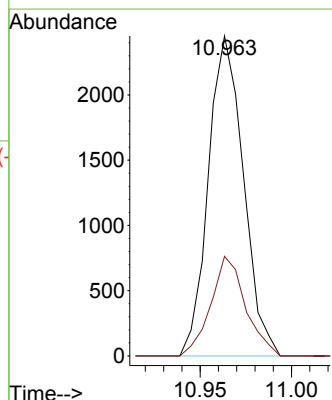
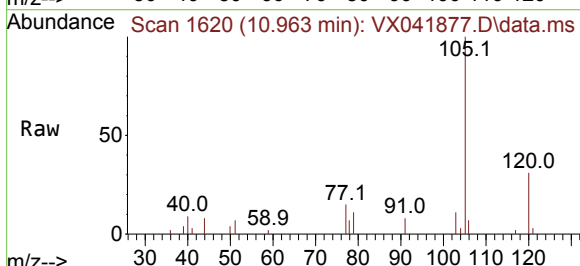
Acq: 14 Jun 2024 14:52

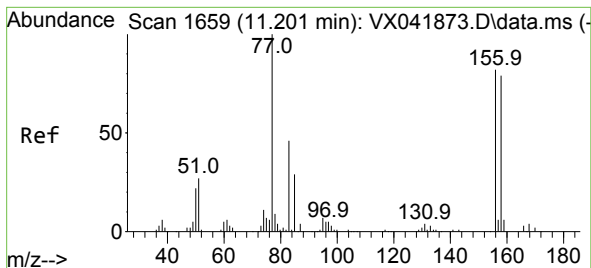
Tgt Ion:105 Resp: 3270

Ion Ratio Lower Upper

105 100

120 30.9 19.2 35.6





#73

Bromobenzene

Concen: 0.475 ug/l

RT: 11.201 min Scan# 1659

Delta R.T. -0.000 min

Lab File: VX041877.D

Acq: 14 Jun 2024 14:52

Instrument :

MSVOA_X

ClientSampleId :

IBLK

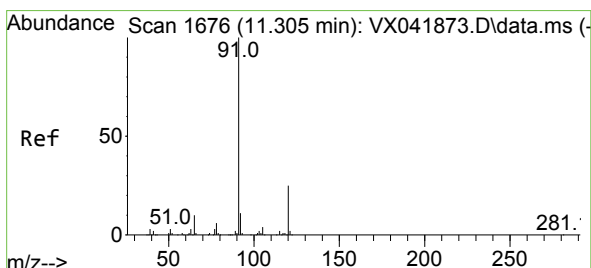
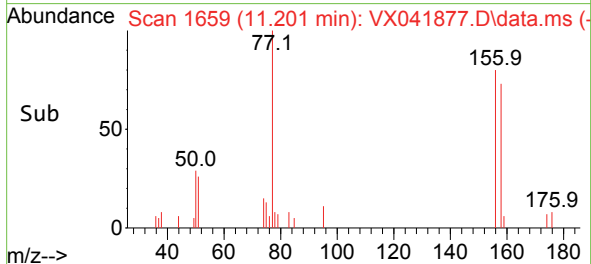
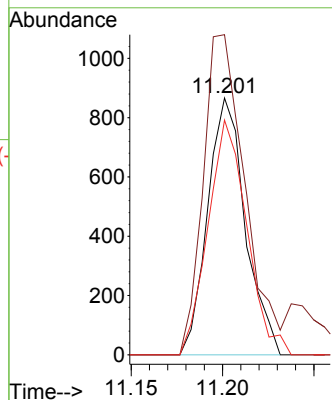
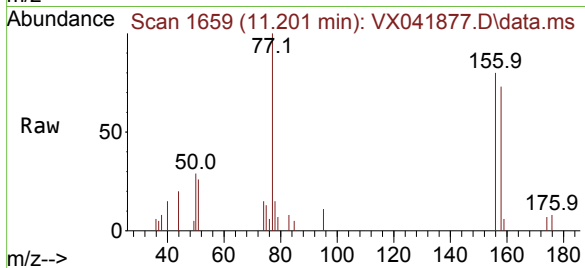
Tgt Ion:156 Resp: 1239

Ion Ratio Lower Upper

156 100

77 138.3 0.0 266.2

158 94.4 0.0 195.2



#74

n-propylbenzene

Concen: 0.498 ug/l

RT: 11.305 min Scan# 1676

Delta R.T. -0.000 min

Lab File: VX041877.D

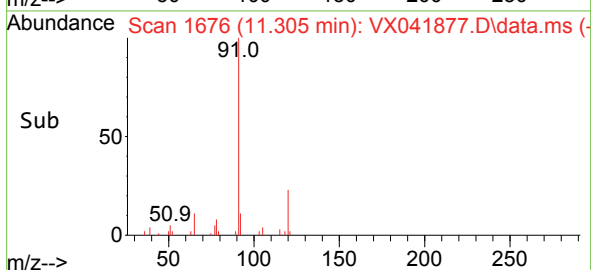
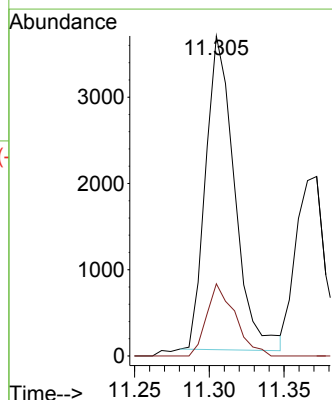
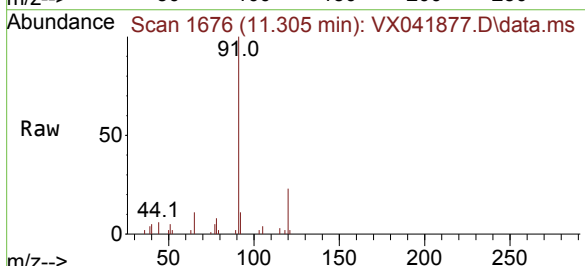
Acq: 14 Jun 2024 14:52

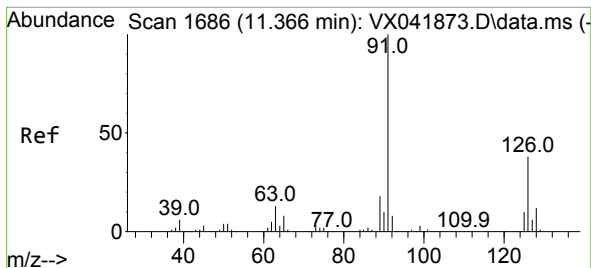
Tgt Ion: 91 Resp: 4898

Ion Ratio Lower Upper

91 100

120 22.6 0.0 49.6





#75

2-Chlorotoluene

Concen: 0.454 ug/l

RT: 11.372 min Scan# 1

Delta R.T. 0.006 min

Lab File: VX041877.D

Acq: 14 Jun 2024 14:52

Instrument :

MSVOA_X

ClientSampleId :

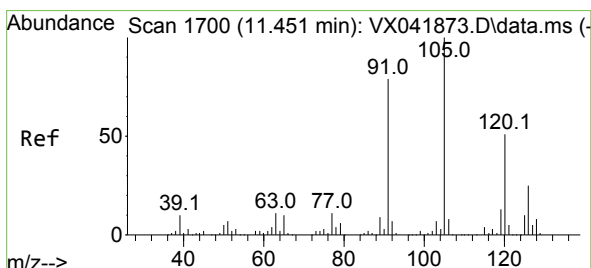
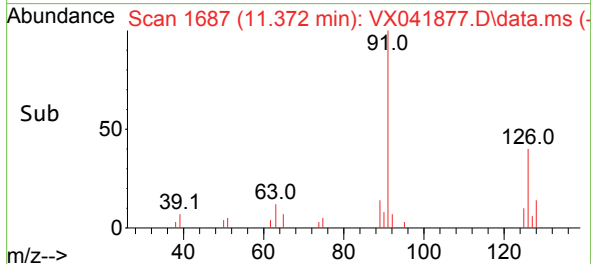
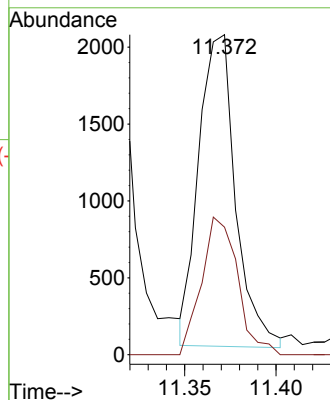
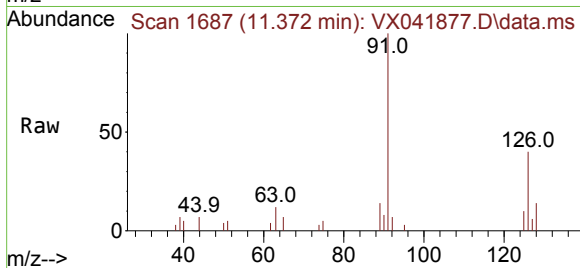
IBLK

Tgt Ion: 91 Resp: 2835

Ion Ratio Lower Upper

91 100

126 43.5 0.0 72.6



#76

1,3,5-Trimethylbenzene

Concen: 0.428 ug/l

RT: 11.457 min Scan# 1701

Delta R.T. 0.006 min

Lab File: VX041877.D

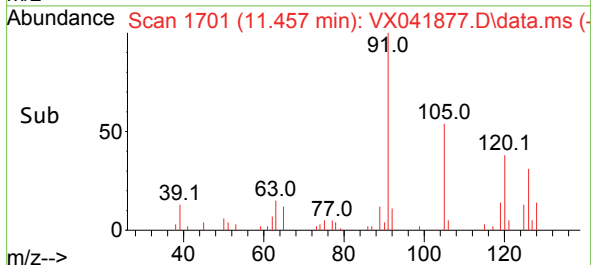
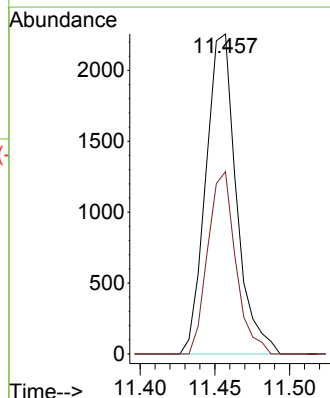
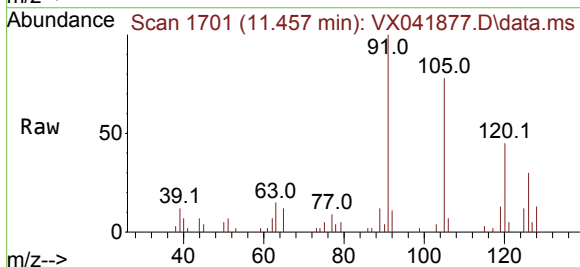
Acq: 14 Jun 2024 14:52

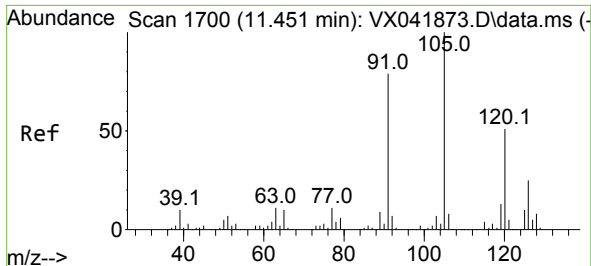
Tgt Ion: 105 Resp: 3209

Ion Ratio Lower Upper

105 100

120 52.1 0.0 103.0

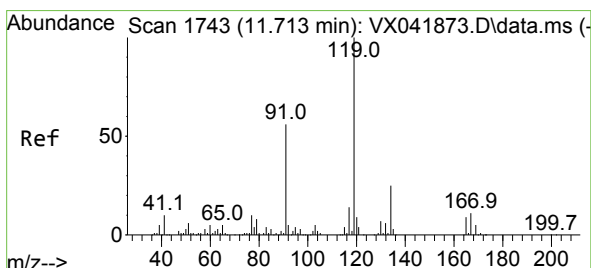
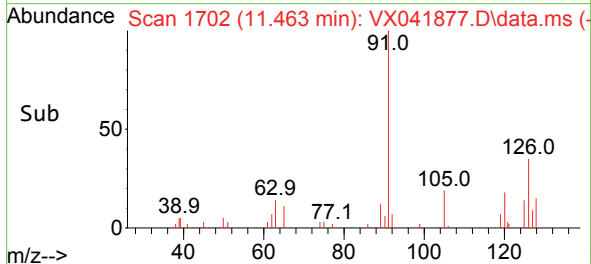
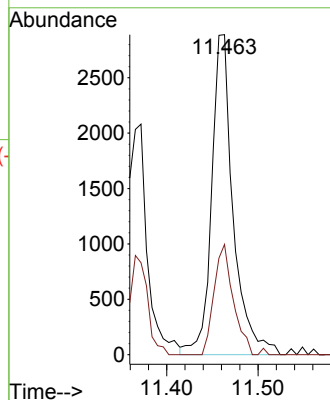
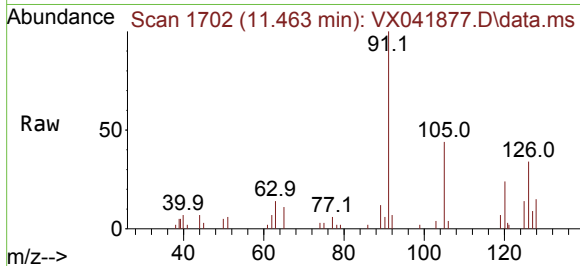




#78
4-Chlorotoluene
Concen: 0.683 ug/l
RT: 11.463 min Scan# 1702
Delta R.T. 0.012 min
Lab File: VX041877.D
Acq: 14 Jun 2024 14:52

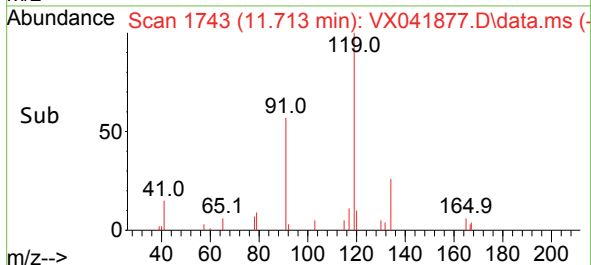
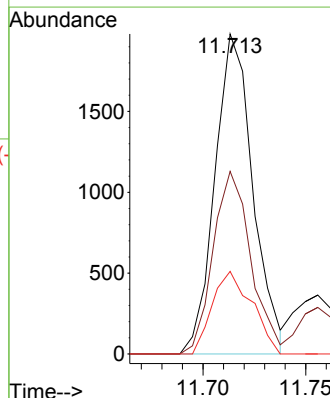
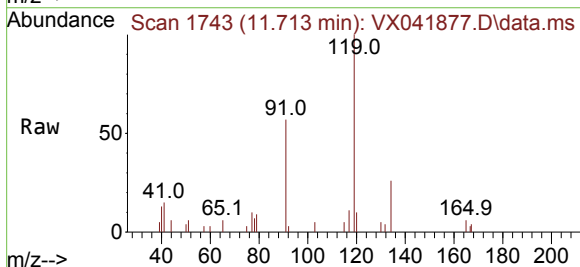
Instrument :
MSVOA_X
ClientSampleId :
IBLK

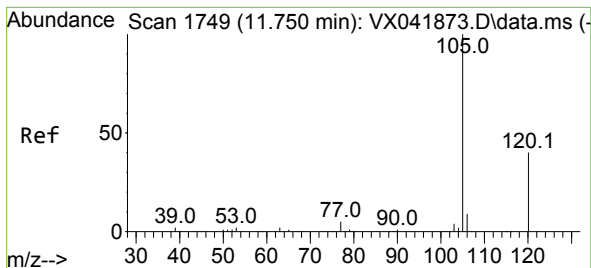
Tgt Ion: 91 Resp: 4734
Ion Ratio Lower Upper
91 100
126 30.6 0.0 64.8



#79
tert-butylbenzene
Concen: 0.320 ug/l
RT: 11.713 min Scan# 1743
Delta R.T. -0.000 min
Lab File: VX041877.D
Acq: 14 Jun 2024 14:52

Tgt Ion: 119 Resp: 2547
Ion Ratio Lower Upper
119 100
91 56.7 0.0 106.0
134 26.9 0.0 49.4





#80

1,2,4-Trimethylbenzene

Concen: 0.447 ug/l

RT: 11.756 min Scan# 1750

Delta R.T. 0.006 min

Lab File: VX041877.D

Acq: 14 Jun 2024 14:52

Instrument :

MSVOA_X

ClientSampleId :

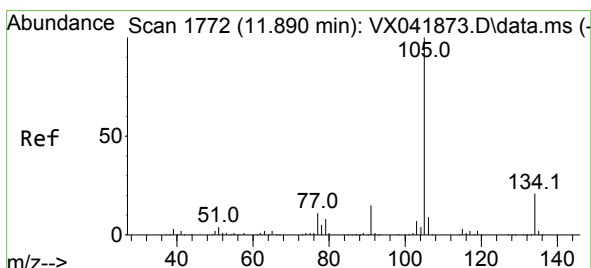
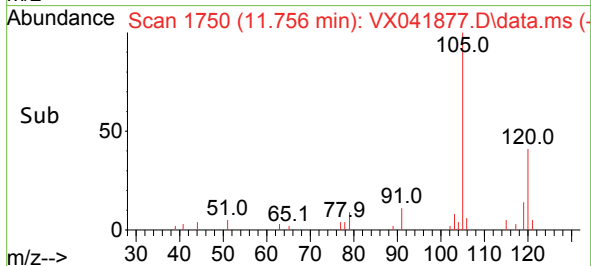
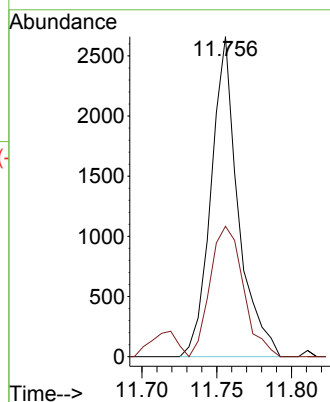
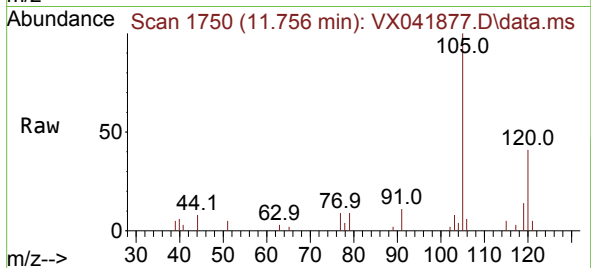
IBLK

Tgt Ion:105 Resp: 3349

Ion Ratio Lower Upper

105 100

120 50.0 0.0 96.2



#81

sec-Butylbenzene

Concen: 0.442 ug/l

RT: 11.890 min Scan# 1772

Delta R.T. -0.000 min

Lab File: VX041877.D

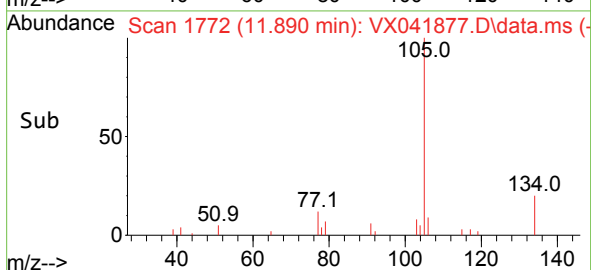
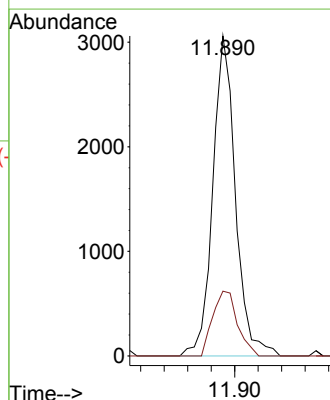
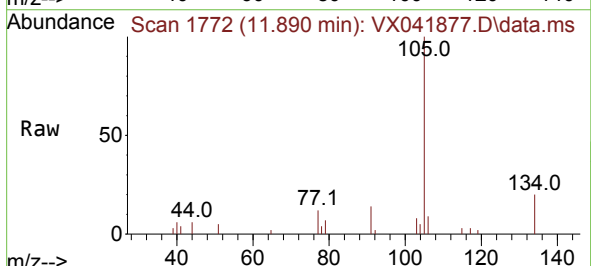
Acq: 14 Jun 2024 14:52

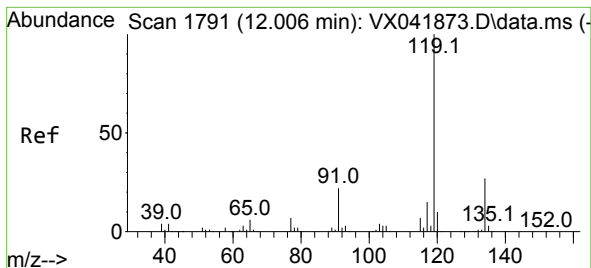
Tgt Ion:105 Resp: 4097

Ion Ratio Lower Upper

105 100

134 22.1 0.0 43.2





#82

p-Isopropyltoluene

Concen: 0.466 ug/l

RT: 12.012 min Scan# 1792

Delta R.T. 0.006 min

Lab File: VX041877.D

Acq: 14 Jun 2024 14:52

Instrument :

MSVOA_X

ClientSampleId :

IBLK

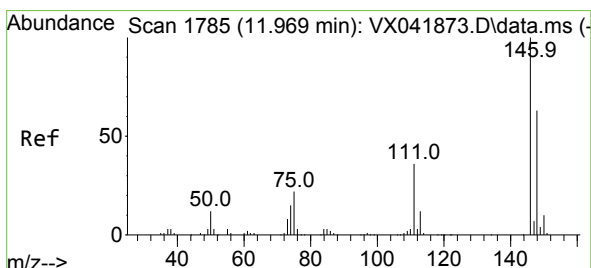
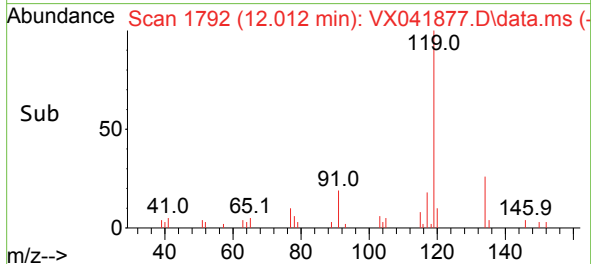
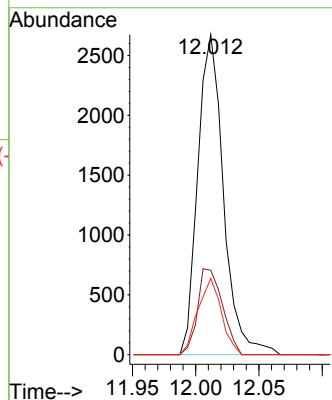
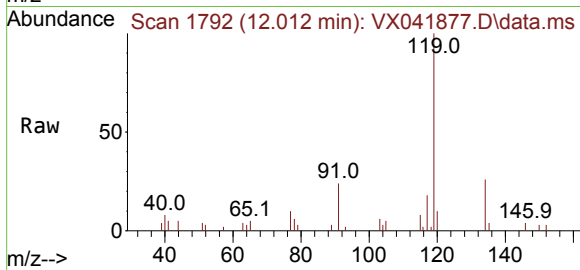
Tgt Ion:119 Resp: 3789

Ion Ratio Lower Upper

119 100

134 26.0 0.0 54.0

91 21.8 0.0 42.2



#83

1,3-Dichlorobenzene

Concen: 0.806 ug/l

RT: 11.975 min Scan# 1786

Delta R.T. 0.006 min

Lab File: VX041877.D

Acq: 14 Jun 2024 14:52

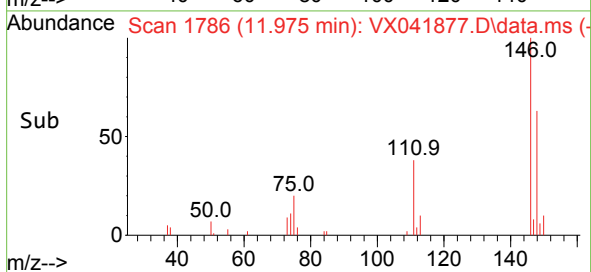
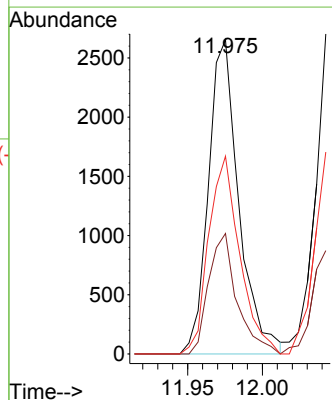
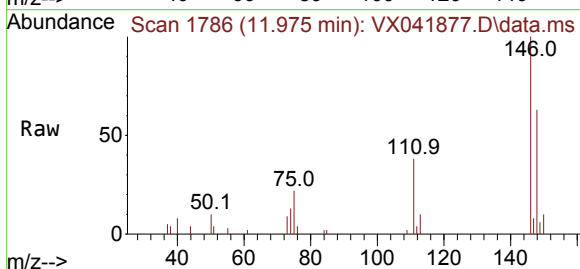
Tgt Ion:146 Resp: 3751

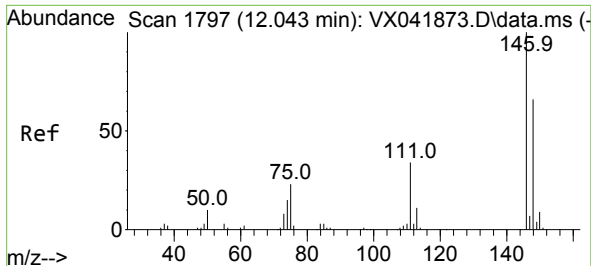
Ion Ratio Lower Upper

146 100

111 35.9 18.0 54.0

148 64.3 31.9 95.7

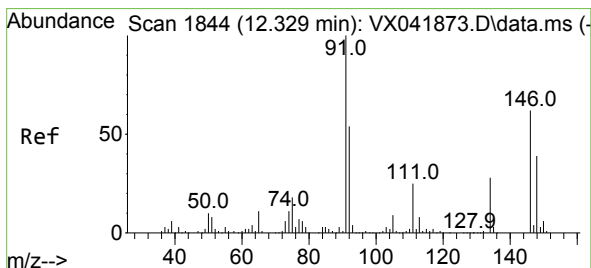
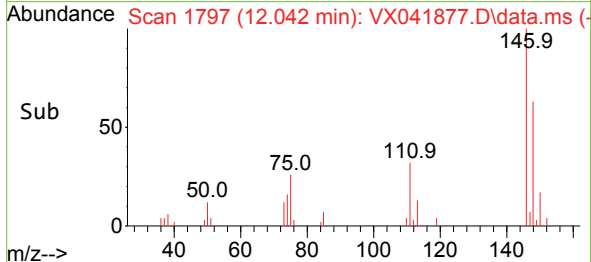
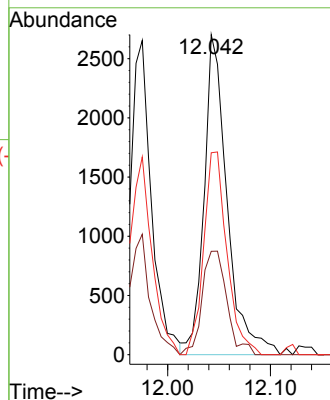
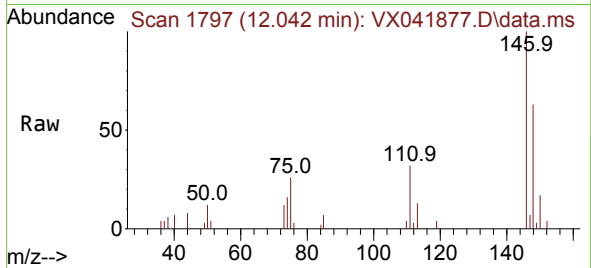




#84
1,4-Dichlorobenzene
Concen: 0.909 ug/l
RT: 12.042 min Scan# 11
Delta R.T. -0.000 min
Lab File: VX041877.D
Acq: 14 Jun 2024 14:52

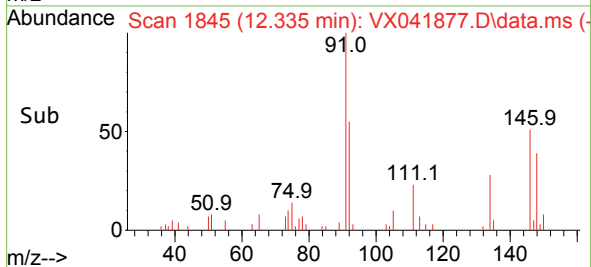
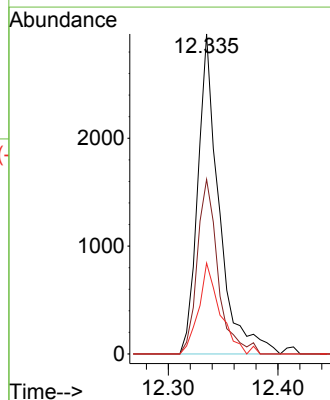
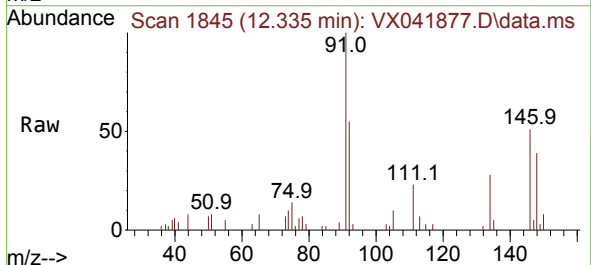
Instrument :
MSVOA_X
ClientSampleId :
IBLK

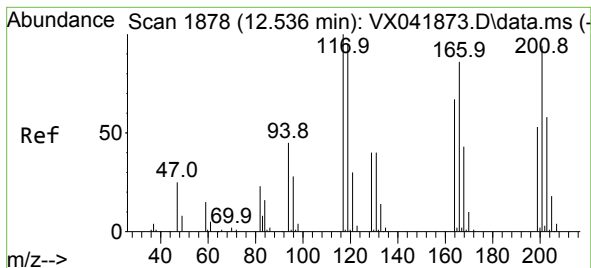
Tgt Ion:	146	Resp:	4209
Ion	Ratio	Lower	Upper
146	100		
111	33.3	17.4	52.3
148	64.2	32.3	96.9



#85
n-Butylbenzene
Concen: 0.636 ug/l
RT: 12.335 min Scan# 1845
Delta R.T. 0.006 min
Lab File: VX041877.D
Acq: 14 Jun 2024 14:52

Tgt Ion:	91	Resp:	4001
Ion	Ratio	Lower	Upper
91	100		
92	52.4	0.0	109.8
134	28.2	0.0	58.4





#86

Hexachloroethane

Concen: 0.248 ug/l

RT: 12.536 min Scan# 117

Delta R.T. -0.000 min

Lab File: VX041877.D

Acq: 14 Jun 2024 14:52

Instrument :

MSVOA_X

ClientSampleId :

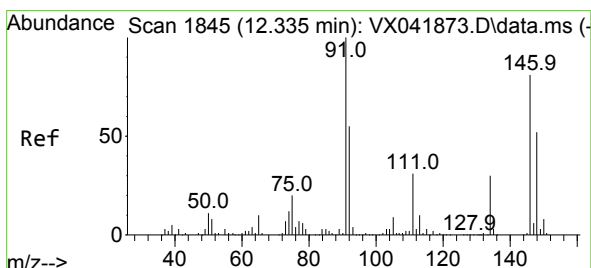
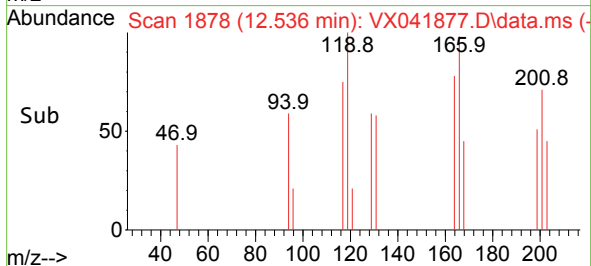
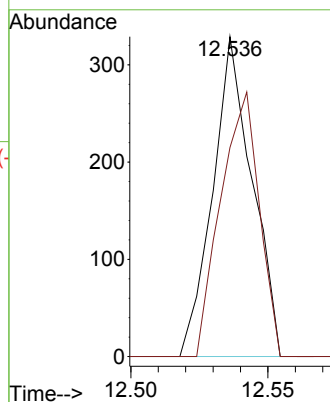
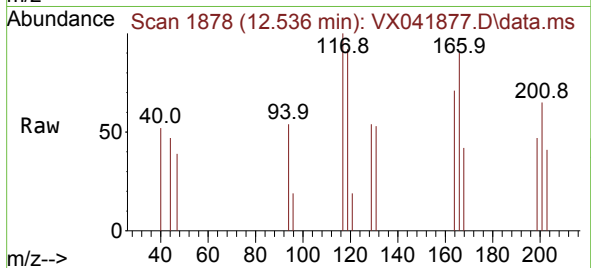
IBLK

Tgt Ion:117 Resp: 329

Ion Ratio Lower Upper

117 100

201 80.5 48.9 146.8



#87

1,2-Dichlorobenzene

Concen: 0.556 ug/l

RT: 12.341 min Scan# 1846

Delta R.T. 0.006 min

Lab File: VX041877.D

Acq: 14 Jun 2024 14:52

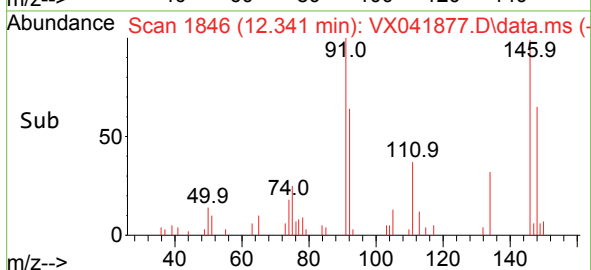
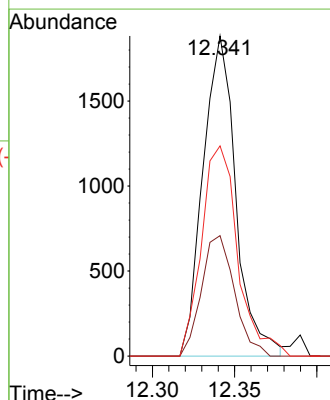
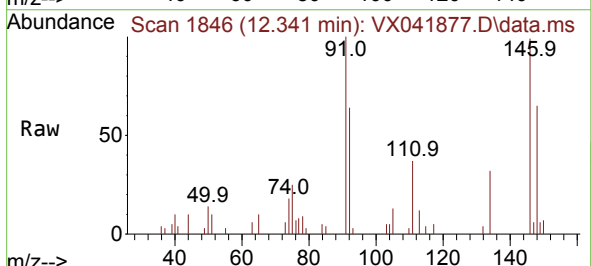
Tgt Ion:146 Resp: 2614

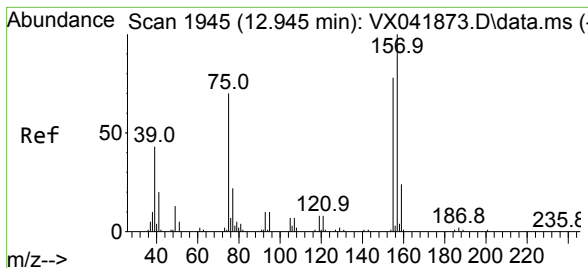
Ion Ratio Lower Upper

146 100

111 37.9 19.1 57.3

148 72.4 32.4 97.0

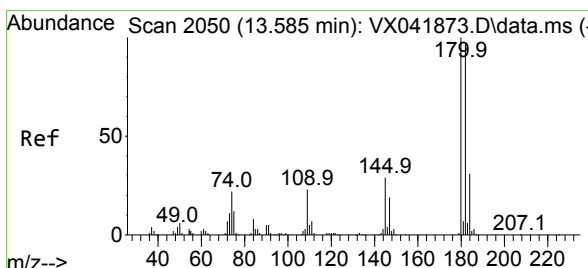
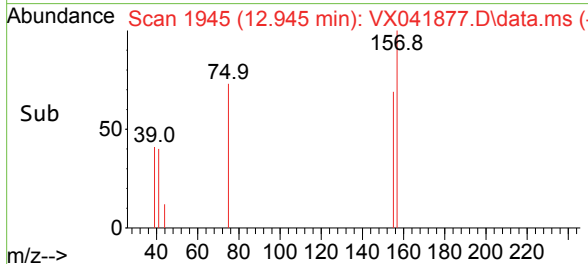
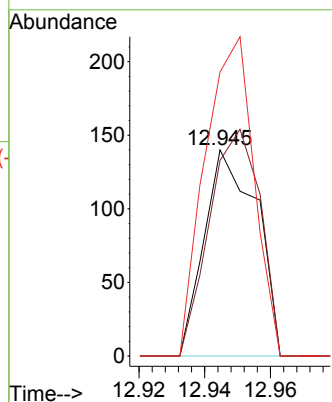
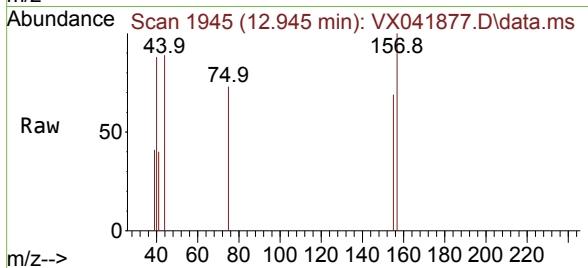




#88
1,2-Dibromo-3-Chloropropane
Concen: 0.240 ug/l
RT: 12.945 min Scan# 1945
Delta R.T. -0.000 min
Lab File: VX041877.D
Acq: 14 Jun 2024 14:52

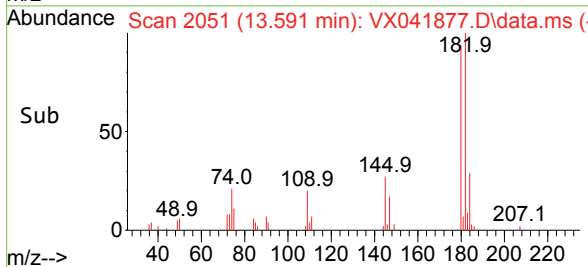
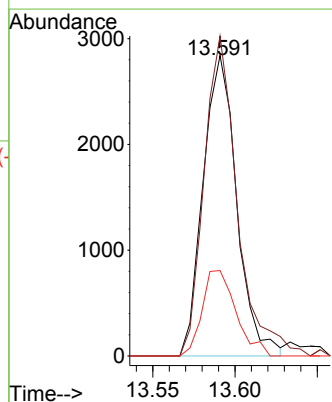
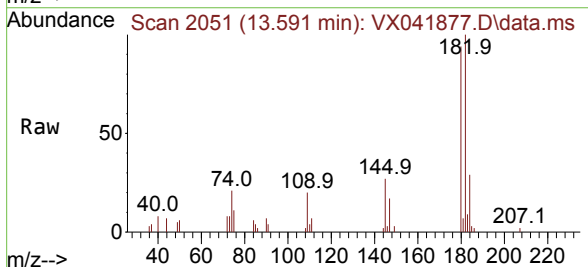
Instrument :
MSVOA_X
ClientSampleId :
IBLK

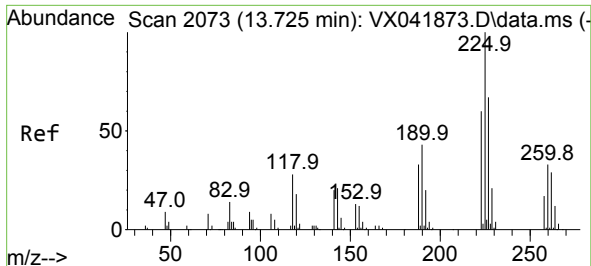
Tgt Ion: 75 Resp: 154
Ion Ratio Lower Upper
75 100
155 107.1 88.6 133.0
157 144.8 112.8 169.2



#89
1,2,4-Trichlorobenzene
Concen: 1.264 ug/l
RT: 13.591 min Scan# 2051
Delta R.T. 0.006 min
Lab File: VX041877.D
Acq: 14 Jun 2024 14:52

Tgt Ion: 180 Resp: 4025
Ion Ratio Lower Upper
180 100
182 105.4 76.9 115.3
145 28.6 22.8 34.2

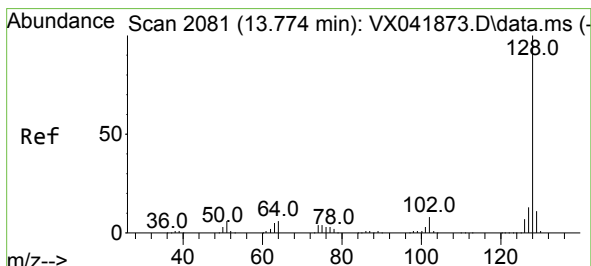
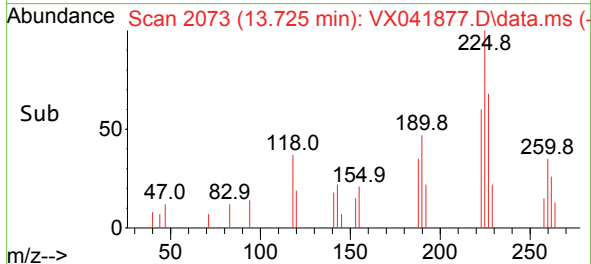
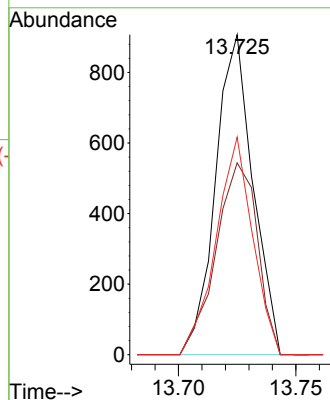
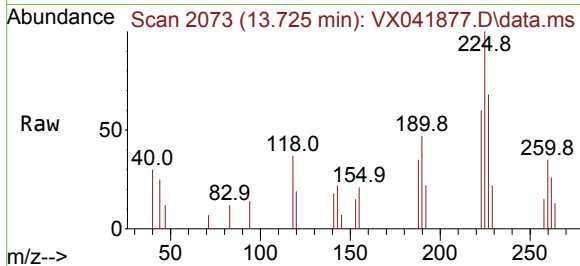




#90
Hexachlorobutadiene
Concen: 0.640 ug/l
RT: 13.725 min Scan# 2073
Delta R.T. -0.000 min
Lab File: VX041877.D
Acq: 14 Jun 2024 14:52

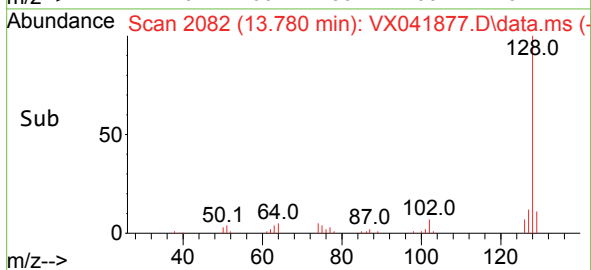
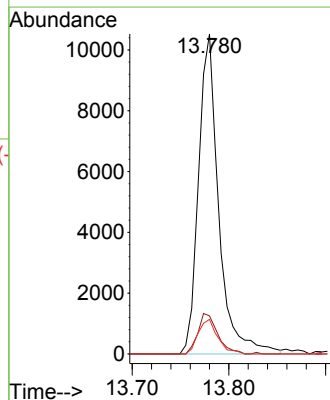
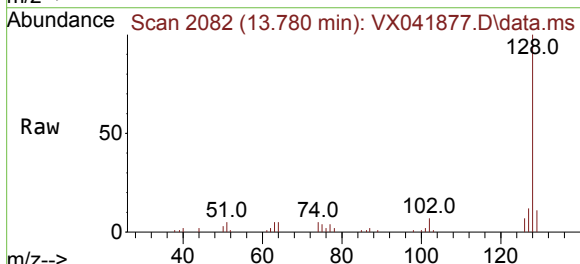
Instrument :
MSVOA_X
ClientSampleId :
IBLK

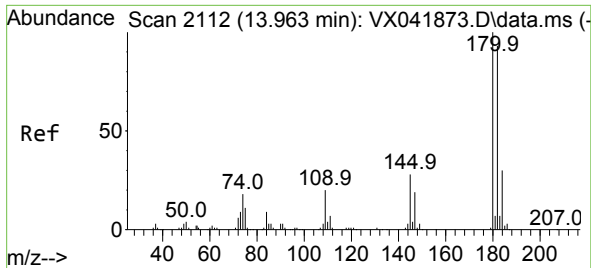
Tgt Ion:225 Resp: 1005
Ion Ratio Lower Upper
225 100
223 66.6 0.0 120.8
227 66.5 0.0 126.6



#91
Naphthalene
Concen: 1.589 ug/l
RT: 13.780 min Scan# 2082
Delta R.T. 0.006 min
Lab File: VX041877.D
Acq: 14 Jun 2024 14:52

Tgt Ion:128 Resp: 15292
Ion Ratio Lower Upper
128 100
127 12.3 10.4 15.6
129 10.5 8.7 13.1





#92

1,2,3-Trichlorobenzene

Concen: 1.382 ug/l

RT: 13.963 min Scan# 21

Delta R.T. -0.000 min

Lab File: VX041877.D

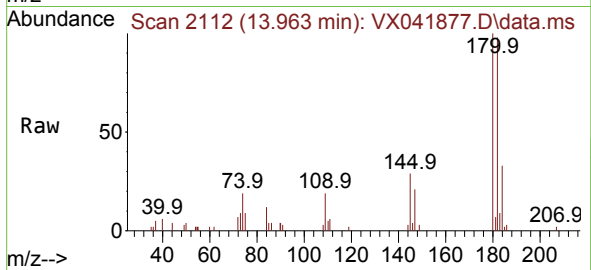
Acq: 14 Jun 2024 14:52

Instrument :

MSVOA_X

ClientSampleId :

IBLK



Tgt Ion:180 Resp: 4557

Ion Ratio Lower Upper

180 100

182 94.1 0.0 187.8

145 30.7 0.0 58.4

