

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX050224\
 Data File : VX041359.D
 Acq On : 02 May 2024 17:19
 Operator : JC/MD
 Sample : P2352-02
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: May 03 01:42:12 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X043024W.M
 Quant Title : SW846 8260
 QLast Update : Wed May 01 02:38:17 2024
 Response via : Initial Calibration

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

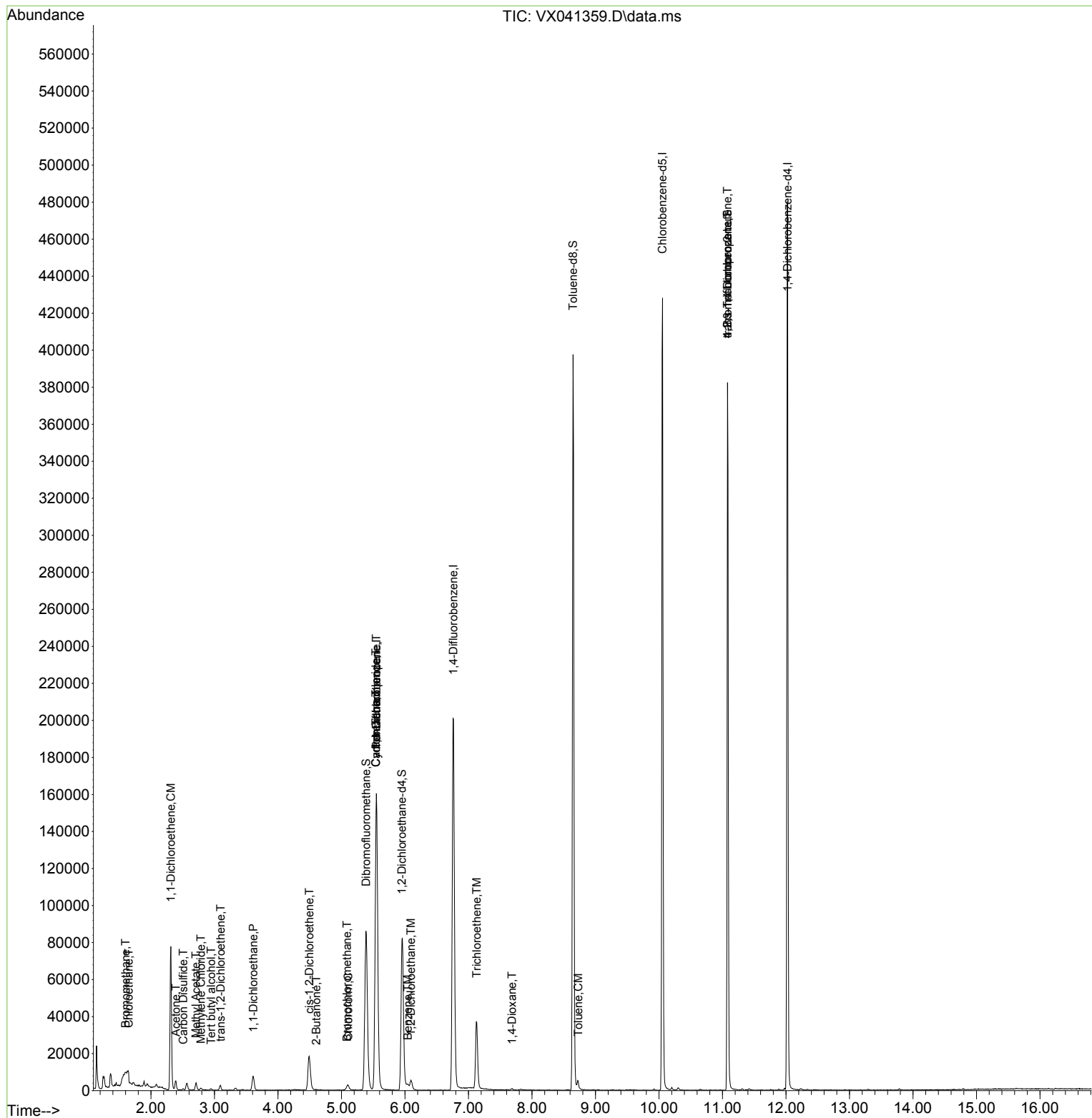
Internal Standards						
1) Pentafluorobenzene	5.550	168	169244	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	6.763	114	215757	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	200845	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	112031	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	82891	44.989	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	=	89.980%
35) Dibromofluoromethane	5.385	113	74180	50.734	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	101.460%
50) Toluene-d8	8.647	98	233628	50.484	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	=	100.960%
62) 4-Bromofluorobenzene	11.079	95	92313	51.530	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	103.060%
Target Compounds						
						Qvalue
5) Bromomethane	1.599	94	372	0.433	ug/l	# 58
6) Chloroethane	1.648	64	376	0.590	ug/l	# 43
11) Tert butyl alcohol	2.947	59	339	0.919	ug/l	# 78
12) 1,1-Dichloroethene	2.313	96	25154	19.179	ug/l	87
16) Acetone	2.392	43	5794	3.281	ug/l	99
17) Carbon Disulfide	2.508	76	1177	0.382	ug/l	# 76
18) Methyl Acetate	2.709	43	4899	2.599	ug/l	97
20) Methylene Chloride	2.788	84	585	0.366	ug/l	# 62
21) trans-1,2-Dichloroethene	3.099	96	1031	0.703	ug/l	# 66
24) 1,1-Dichloroethane	3.611	63	8581	3.253	ug/l	# 95
25) 2-Butanone	4.605	43	522	0.438	ug/l	# 87
27) cis-1,2-Dichloroethene	4.495	96	12391	7.140	ug/l	81
28) Bromochloromethane	5.087	49	225	0.239	ug/l	# 16
30) Chloroform	5.105	83	3593	1.309	ug/l	90
31) Cyclohexane	5.544	56	2832	1.274	ug/l	# 1
36) 1,1-Dichloropropene	5.550	75	10515	6.014	ug/l	# 51
38) Carbon Tetrachloride	5.544	117	14504	7.242	ug/l	# 15
40) Benzene	6.044	78	3427	0.636	ug/l	96
42) 1,2-Dichloroethane	6.092	62	6388	3.234	ug/l	100
44) Trichloroethene	7.129	130	15198	10.679	ug/l	89
49) 1,4-Dioxane	7.684	88	624	19.195	ug/l	# 70
52) Toluene	8.726	92	2062	0.625	ug/l	90
76) 1,2,3-Trichloropropane	11.079	75	46727	25.593	ug/l	# 39
81) trans-1,4-Dichloro-2-b...	11.079	75	46727	69.713	ug/l	# 5

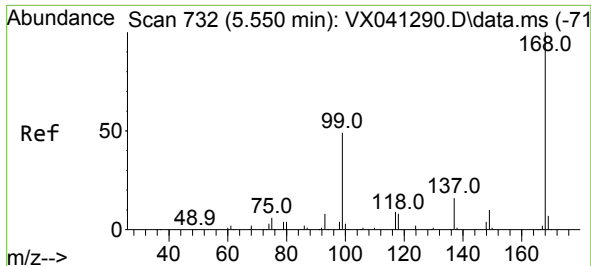
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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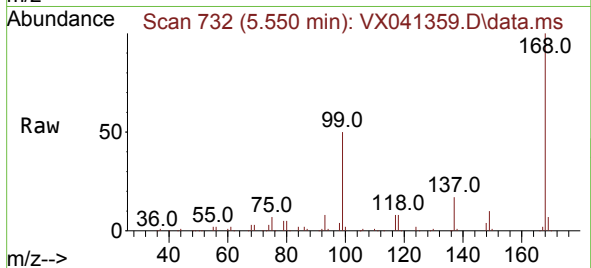
Quant Time: May 03 01:42:12 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X043024W.M
Quant Title : SW846 8260
QLast Update : Wed May 01 02:38:17 2024
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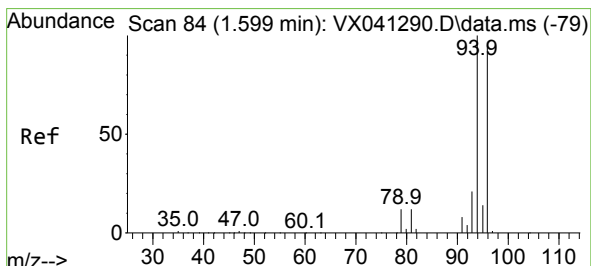
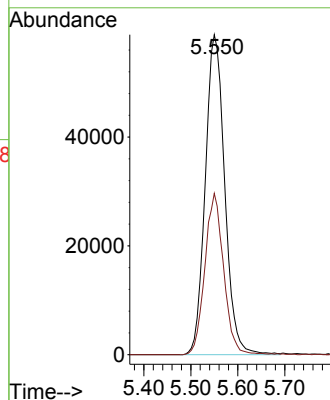
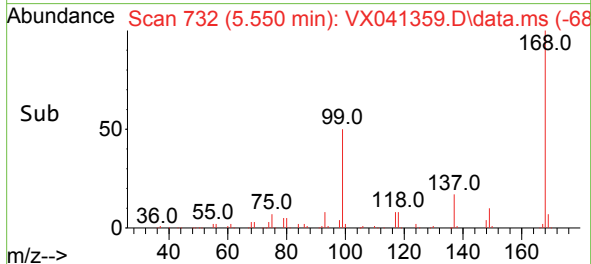


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.550 min Scan# 71
Delta R.T. -0.000 min
Lab File: VX041359.D
Acq: 02 May 2024 17:19

Instrument :
MSVOA_X
ClientSampleId :

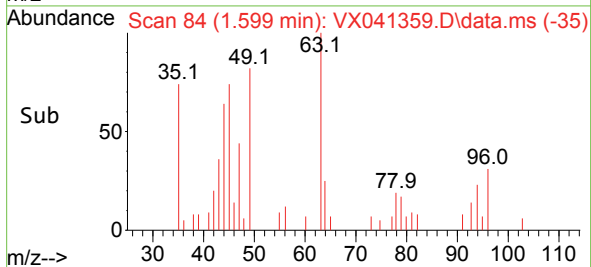
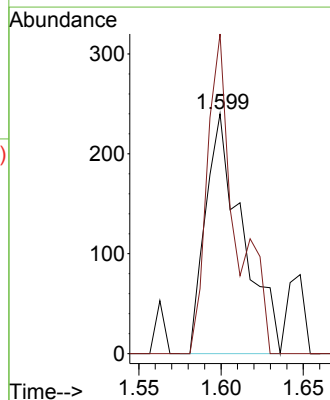
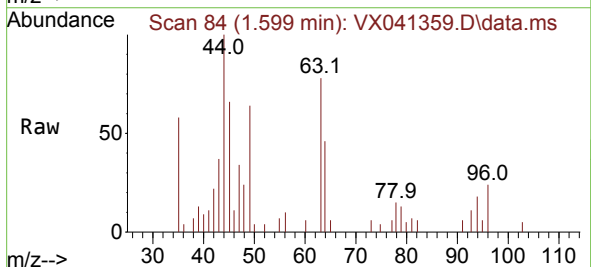


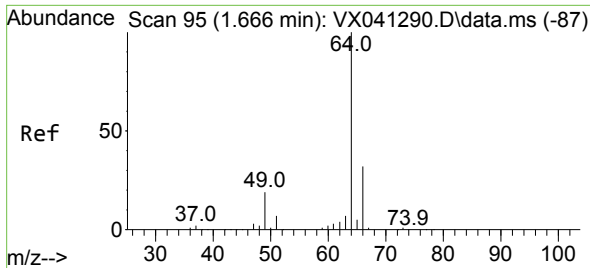
Tgt Ion:168 Resp: 169244
Ion Ratio Lower Upper
168 100
99 50.4 56.6 85.0#



#5
Bromomethane
Concen: 0.433 ug/l
RT: 1.599 min Scan# 84
Delta R.T. 0.000 min
Lab File: VX041359.D
Acq: 02 May 2024 17:19

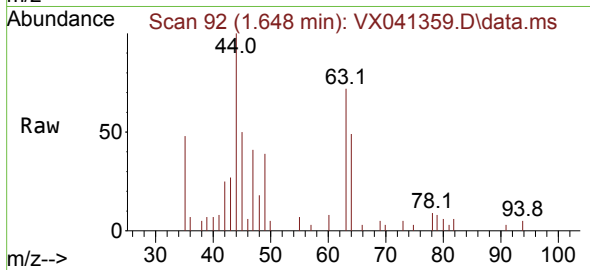
Tgt Ion: 94 Resp: 372
Ion Ratio Lower Upper
94 100
96 133.3 74.6 111.8#



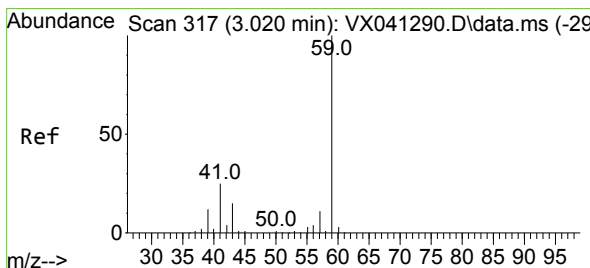
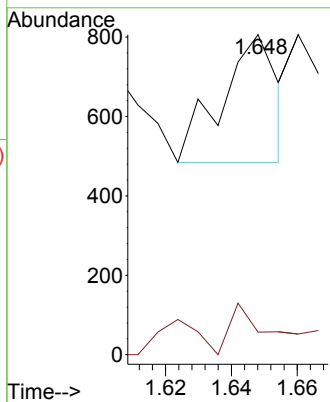
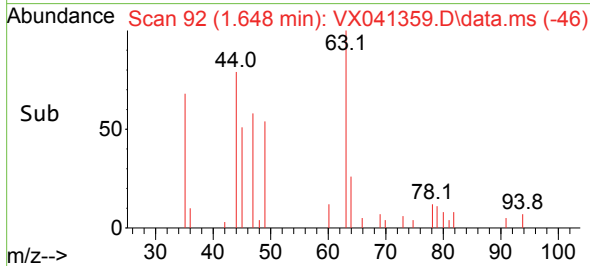


#6
Chloroethane
Concen: 0.590 ug/l
RT: 1.648 min Scan# 91
Delta R.T. -0.018 min
Lab File: VX041359.D
Acq: 02 May 2024 17:19

Instrument :
MSVOA_X
ClientSampleId :

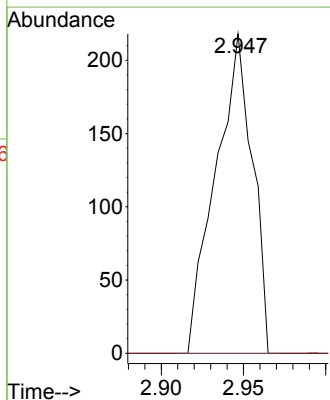
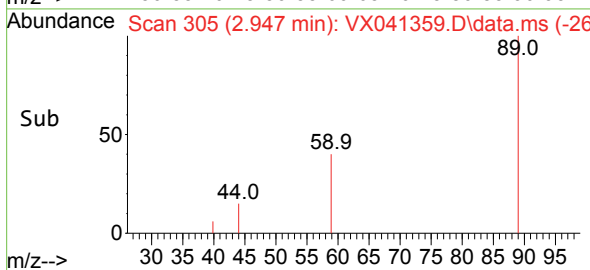
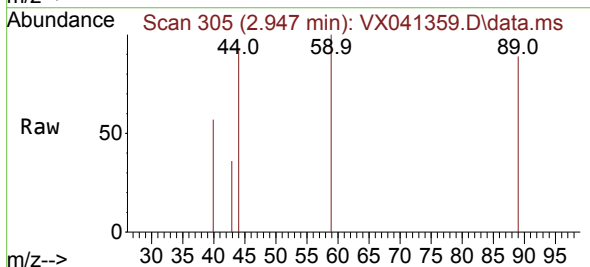


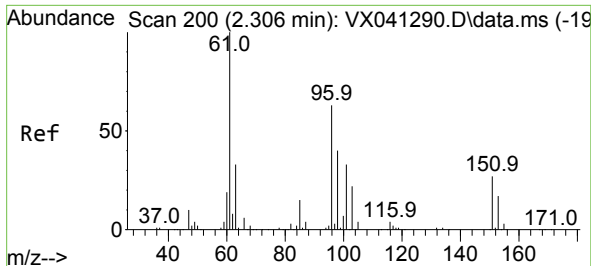
Tgt Ion: 64 Resp: 376
Ion Ratio Lower Upper
64 100
66 0.0 25.1 37.7#



#11
Tert butyl alcohol
Concen: 0.919 ug/l
RT: 2.947 min Scan# 305
Delta R.T. -0.073 min
Lab File: VX041359.D
Acq: 02 May 2024 17:19

Tgt Ion: 59 Resp: 339
Ion Ratio Lower Upper
59 100
57 0.0 6.0 9.0#





#12

1,1-Dichloroethene

Concen: 19.179 ug/l

RT: 2.313 min Scan# 200

Delta R.T. 0.006 min

Lab File: VX041359.D

Acq: 02 May 2024 17:19

Instrument :

MSVOA_X

ClientSampleId :

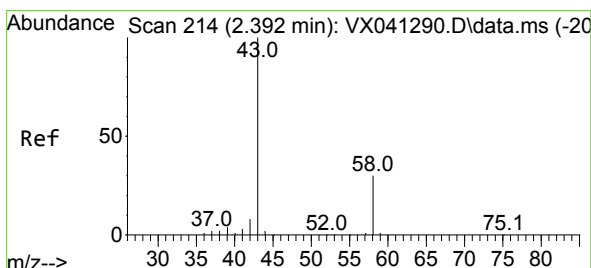
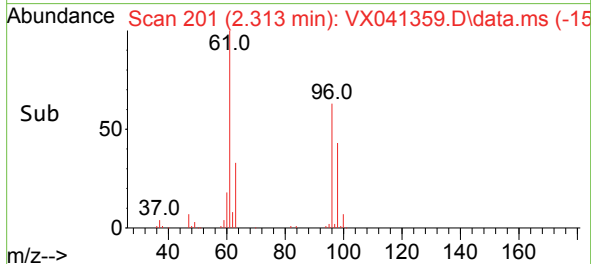
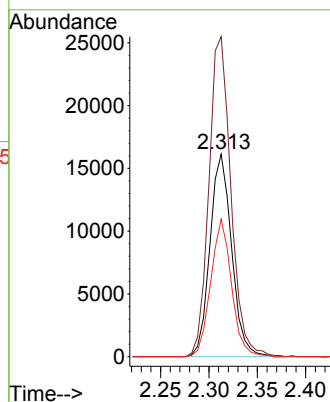
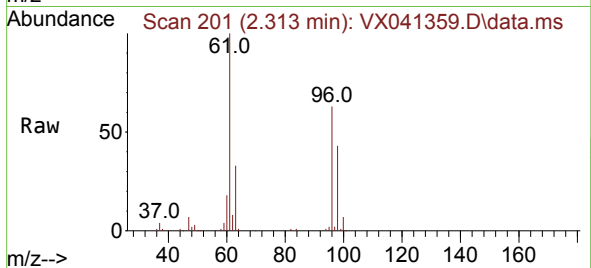
Tgt Ion: 96 Resp: 25154

Ion Ratio Lower Upper

96 100

61 158.0 144.6 216.8

98 67.8 50.4 75.6



#16

Acetone

Concen: 3.281 ug/l

RT: 2.392 min Scan# 214

Delta R.T. -0.000 min

Lab File: VX041359.D

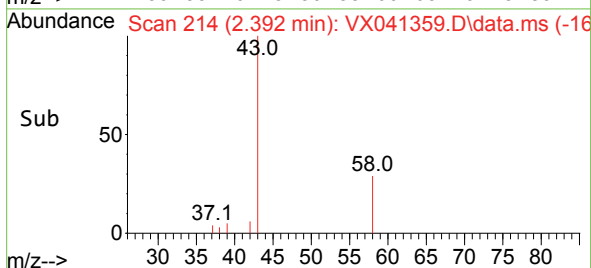
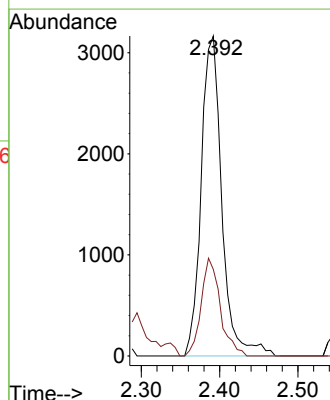
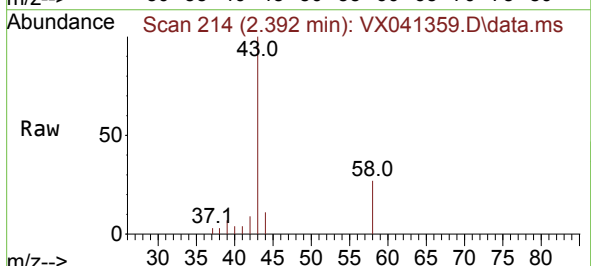
Acq: 02 May 2024 17:19

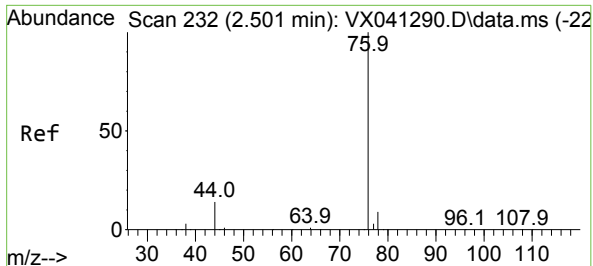
Tgt Ion: 43 Resp: 5794

Ion Ratio Lower Upper

43 100

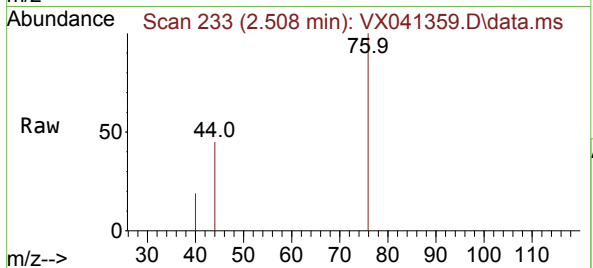
58 27.0 21.9 32.9



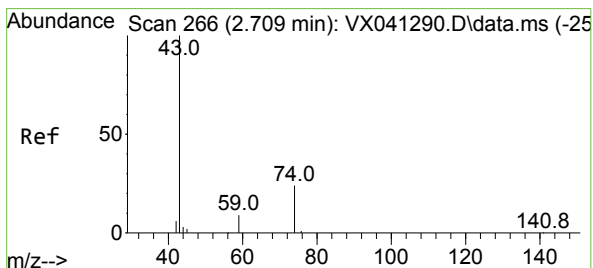
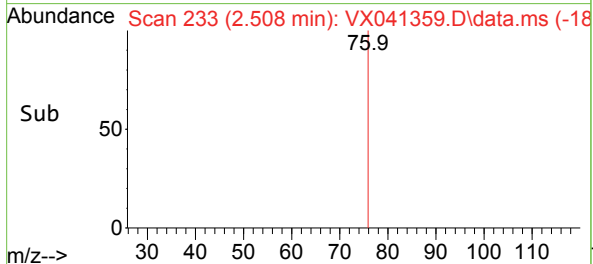
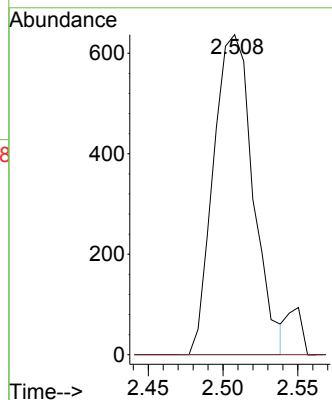


#17
Carbon Disulfide
Concen: 0.382 ug/l
RT: 2.508 min Scan# 21
Delta R.T. 0.007 min
Lab File: VX041359.D
Acq: 02 May 2024 17:19

Instrument :
MSVOA_X
ClientSampleId :

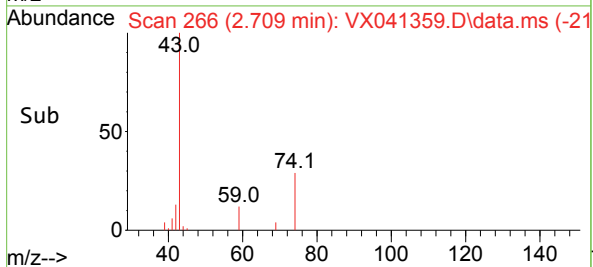
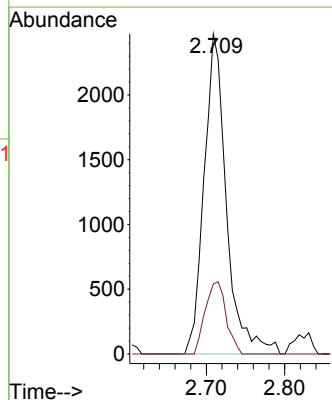
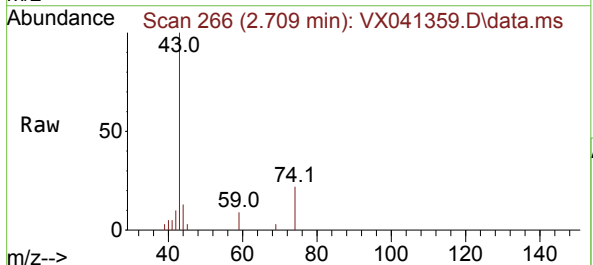


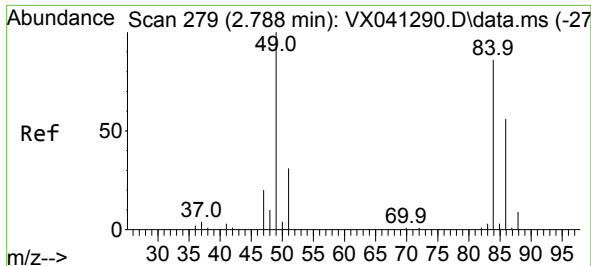
Tgt Ion: 76 Resp: 1177
Ion Ratio Lower Upper
76 100
78 0.0 7.0 10.6#



#18
Methyl Acetate
Concen: 2.599 ug/l
RT: 2.709 min Scan# 266
Delta R.T. 0.000 min
Lab File: VX041359.D
Acq: 02 May 2024 17:19

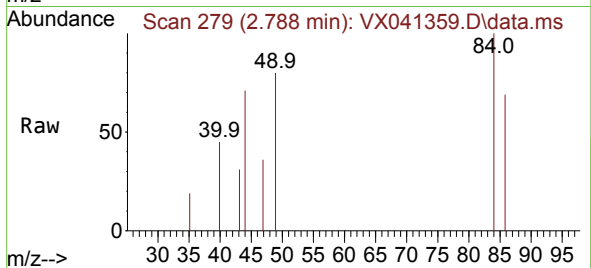
Tgt Ion: 43 Resp: 4899
Ion Ratio Lower Upper
43 100
74 21.0 17.8 26.8



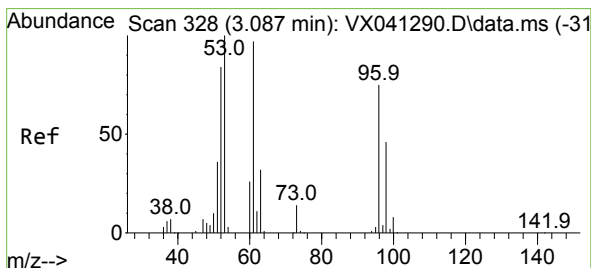
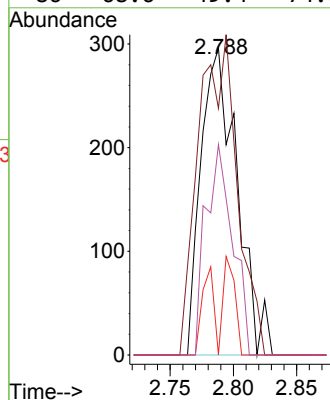


#20
Methylene Chloride
Concen: 0.366 ug/l
RT: 2.788 min Scan# 21
Delta R.T. 0.000 min
Lab File: VX041359.D
Acq: 02 May 2024 17:19

Instrument :
MSVOA_X
ClientSampleId :

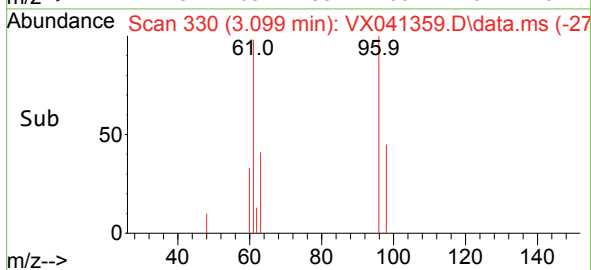
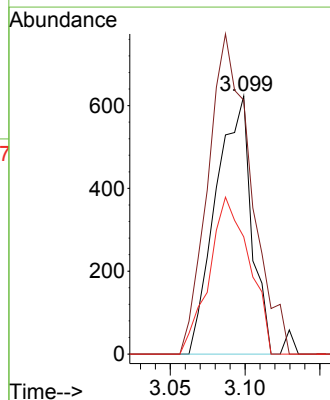
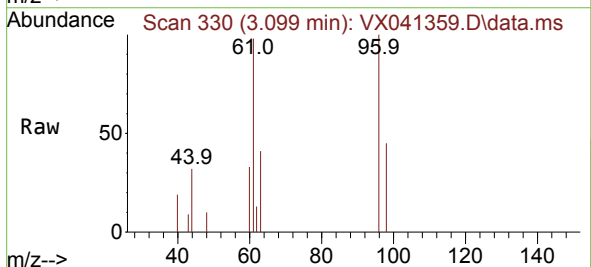


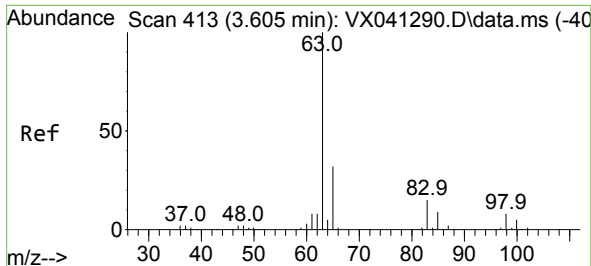
Tgt Ion	84	Resp:	585
Ion	Ratio	Lower	Upper
84	100		
49	80.4	103.6	155.4#
51	0.0	33.8	50.6#
86	68.6	49.4	74.0



#21
trans-1,2-Dichloroethene
Concen: 0.703 ug/l
RT: 3.099 min Scan# 330
Delta R.T. 0.012 min
Lab File: VX041359.D
Acq: 02 May 2024 17:19

Tgt Ion	96	Resp:	1031
Ion	Ratio	Lower	Upper
96	100		
61	98.4	119.2	178.8#
98	45.4	48.7	73.1#





#24

1,1-Dichloroethane

Concen: 3.253 ug/l

RT: 3.611 min Scan# 413

Delta R.T. 0.006 min

Lab File: VX041359.D

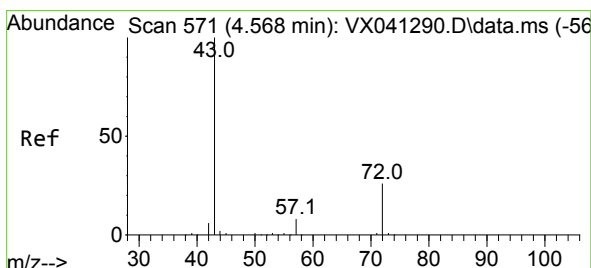
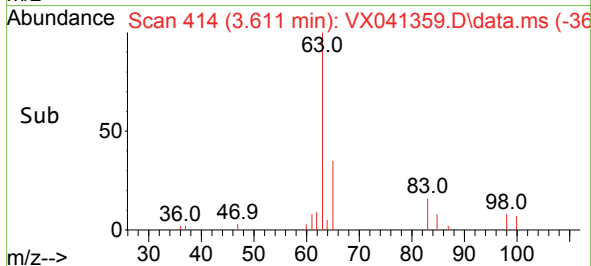
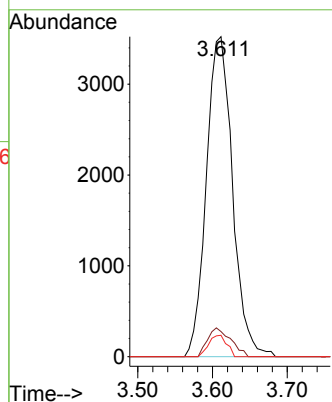
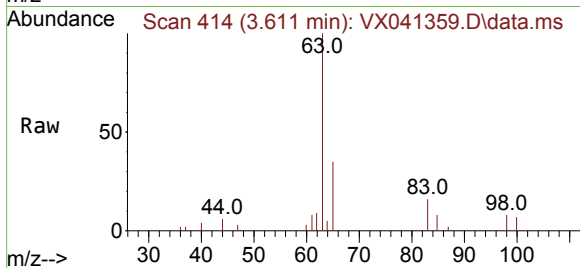
Acq: 02 May 2024 17:19

Instrument :

MSVOA_X

ClientSampleId :

Tgt Ion: 63	Resp: 8581
Ion Ratio	Lower Upper
63 100	
98 7.9	3.3 9.8
100 6.7	2.1 6.5#



#25

2-Butanone

Concen: 0.438 ug/l

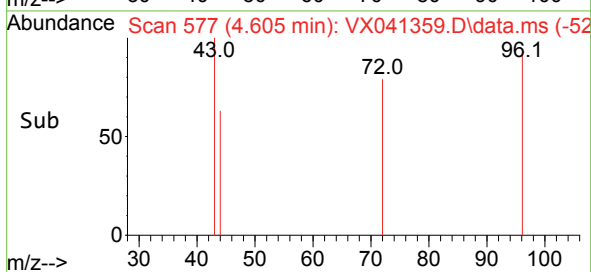
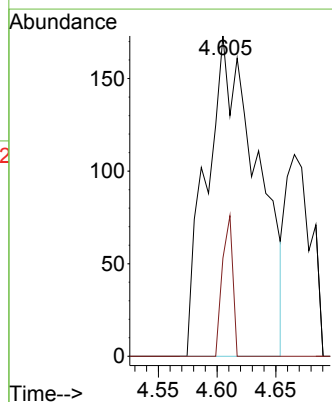
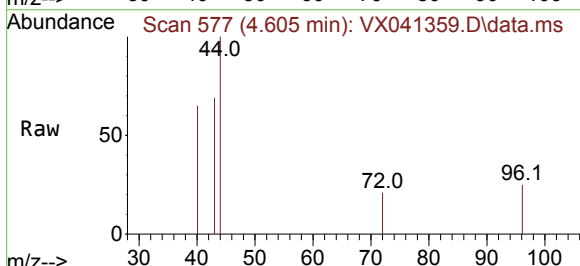
RT: 4.605 min Scan# 577

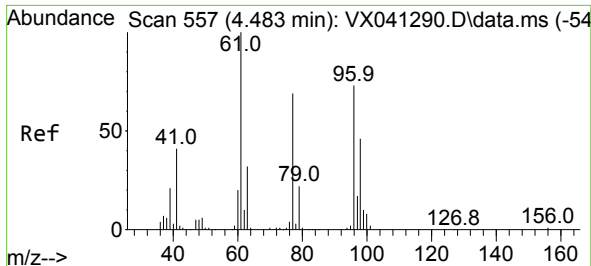
Delta R.T. 0.037 min

Lab File: VX041359.D

Acq: 02 May 2024 17:19

Tgt Ion: 43	Resp: 522
Ion Ratio	Lower Upper
43 100	
72 30.6	19.4 29.2#





#27

cis-1,2-Dichloroethene

Concen: 7.140 ug/l

RT: 4.495 min Scan# 51

Delta R.T. 0.012 min

Lab File: VX041359.D

Acq: 02 May 2024 17:19

Instrument :

MSVOA_X

ClientSampleId :

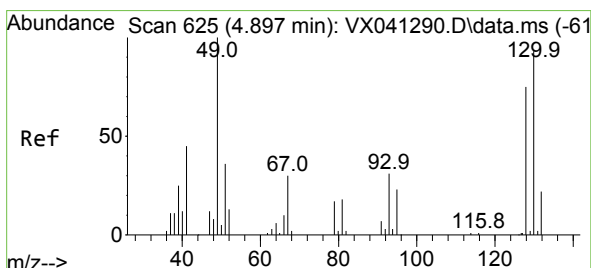
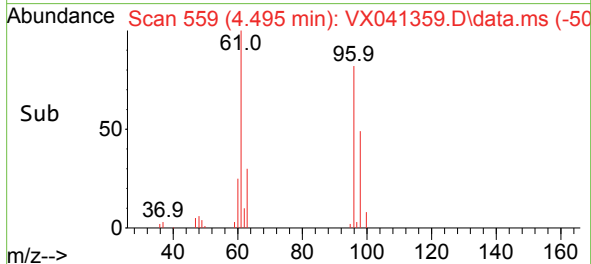
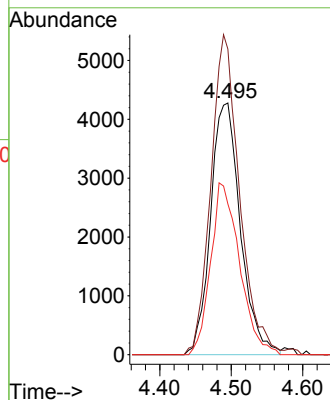
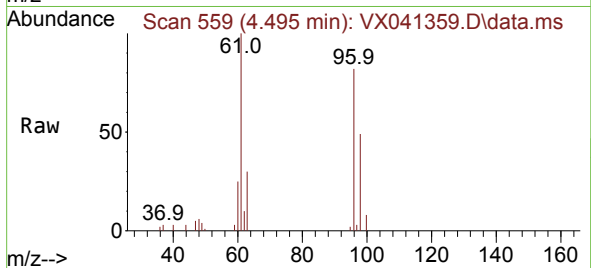
Tgt Ion: 96 Resp: 12391

Ion Ratio Lower Upper

96 100

61 122.2 0.0 312.2

98 66.2 0.0 129.0



#28

Bromochloromethane

Concen: 0.239 ug/l

RT: 5.087 min Scan# 656

Delta R.T. 0.190 min

Lab File: VX041359.D

Acq: 02 May 2024 17:19

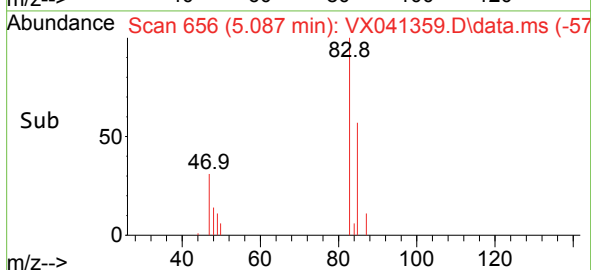
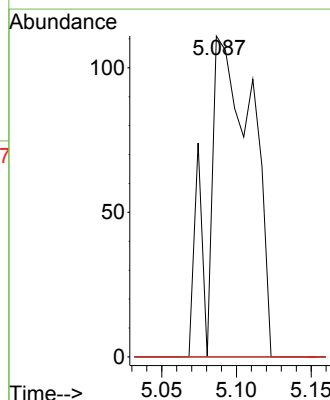
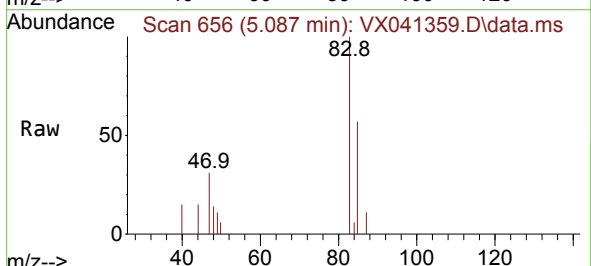
Tgt Ion: 49 Resp: 225

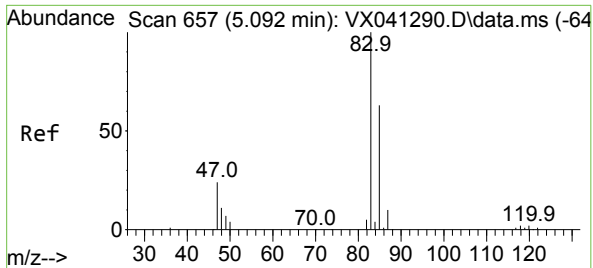
Ion Ratio Lower Upper

49 100

129 0.0 0.0 3.8

130 0.0 57.5 86.3#





#30

Chloroform

Concen: 1.309 ug/l

RT: 5.105 min Scan# 61

Delta R.T. 0.012 min

Lab File: VX041359.D

Acq: 02 May 2024 17:19

Instrument :

MSVOA_X

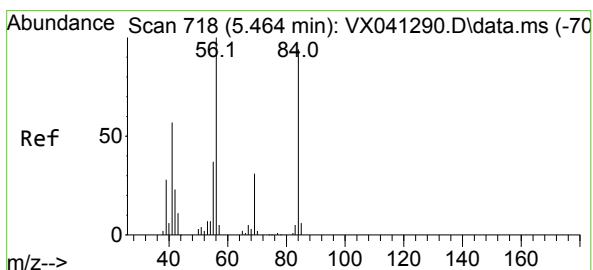
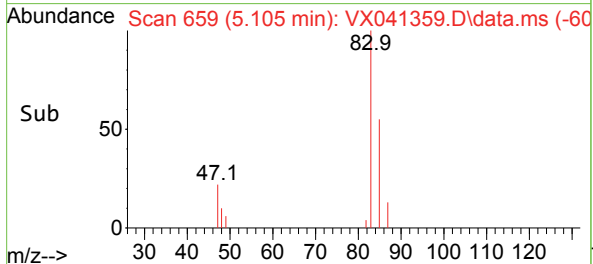
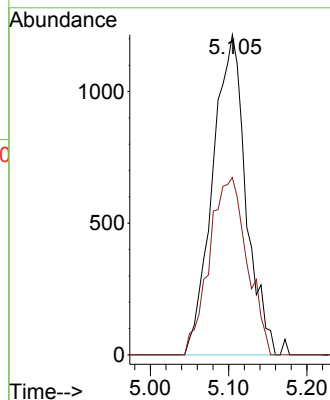
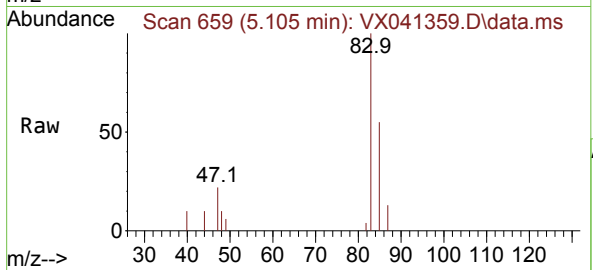
ClientSampleId :

Tgt Ion: 83 Resp: 3593

Ion Ratio Lower Upper

83 100

85 55.3 50.3 75.5



#31

Cyclohexane

Concen: 1.274 ug/l

RT: 5.544 min Scan# 731

Delta R.T. 0.079 min

Lab File: VX041359.D

Acq: 02 May 2024 17:19

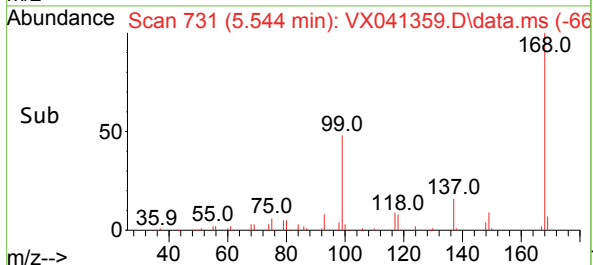
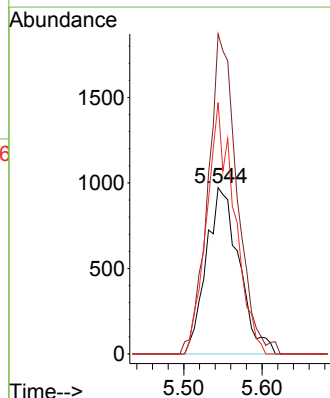
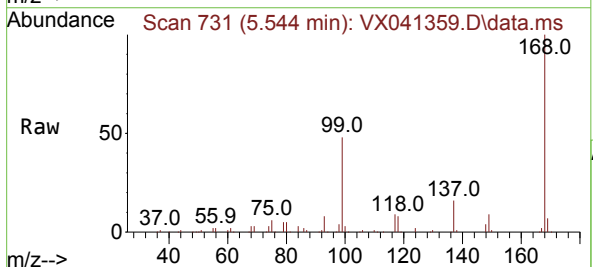
Tgt Ion: 56 Resp: 2832

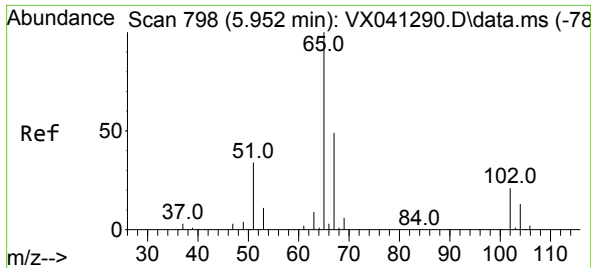
Ion Ratio Lower Upper

56 100

69 192.5 23.4 35.2#

84 151.2 65.9 98.9#

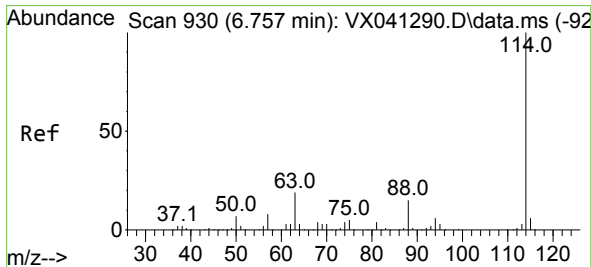
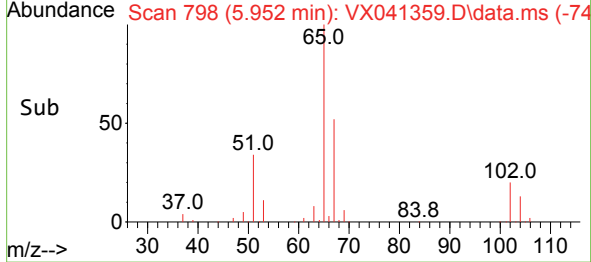
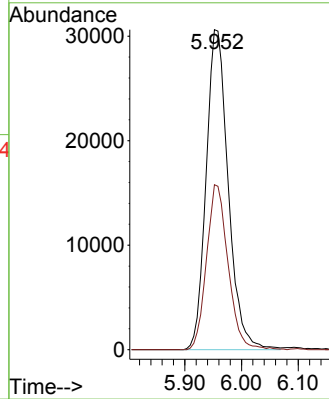
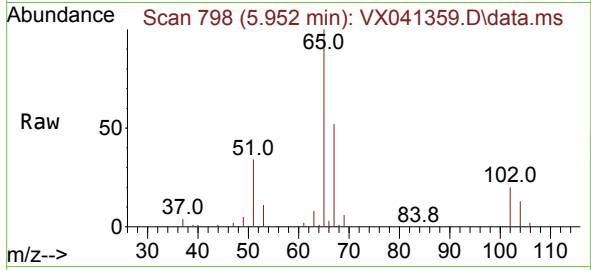




#33
 1,2-Dichloroethane-d4
 Concen: 44.989 ug/l
 RT: 5.952 min Scan# 798
 Delta R.T. 0.000 min
 Lab File: VX041359.D
 Acq: 02 May 2024 17:19

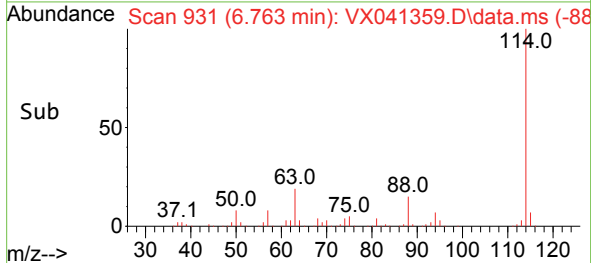
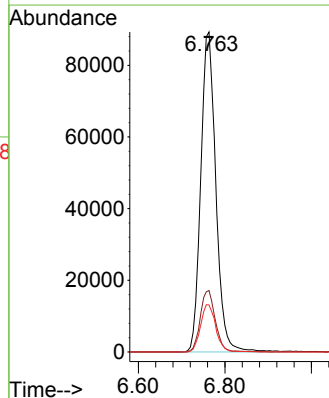
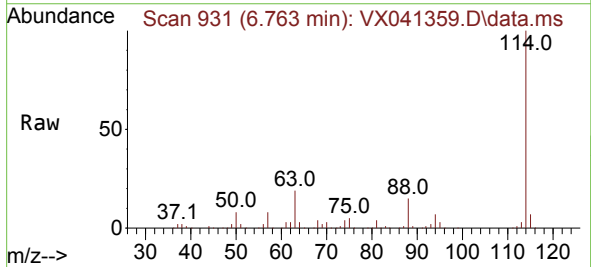
Instrument :
 MSVOA_X
 ClientSampleId :

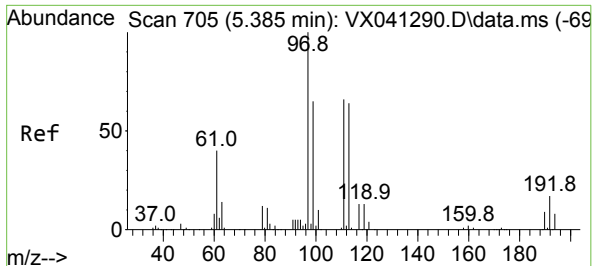
Tgt Ion: 65 Resp: 82891
 Ion Ratio Lower Upper
 65 100
 67 50.3 0.0 100.2



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.763 min Scan# 931
 Delta R.T. 0.006 min
 Lab File: VX041359.D
 Acq: 02 May 2024 17:19

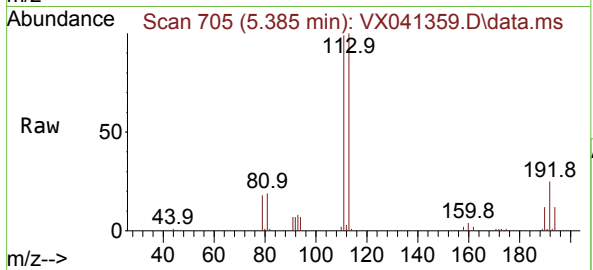
Tgt Ion: 114 Resp: 215757
 Ion Ratio Lower Upper
 114 100
 63 19.2 0.0 45.0
 88 14.7 0.0 36.6



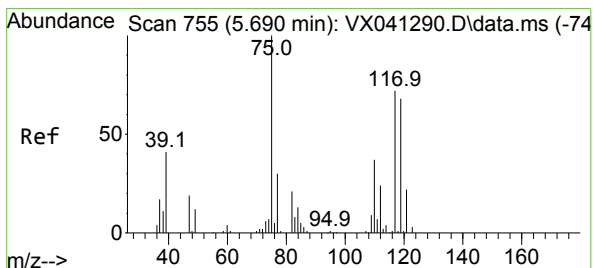
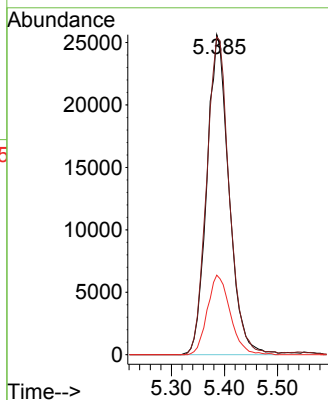
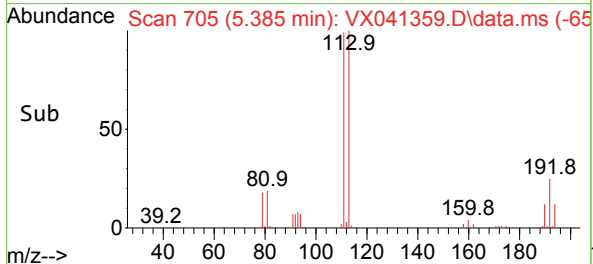


#35
Dibromofluoromethane
Concen: 50.734 ug/l
RT: 5.385 min Scan# 705
Delta R.T. 0.000 min
Lab File: VX041359.D
Acq: 02 May 2024 17:19

Instrument :
MSVOA_X
ClientSampleId :

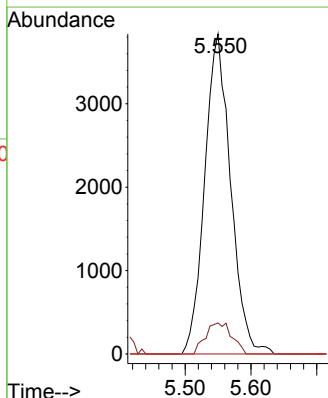
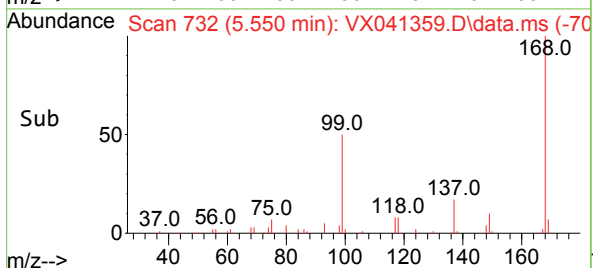
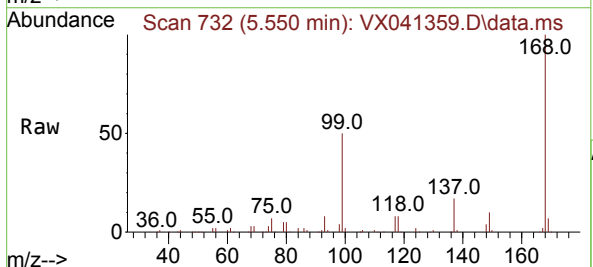


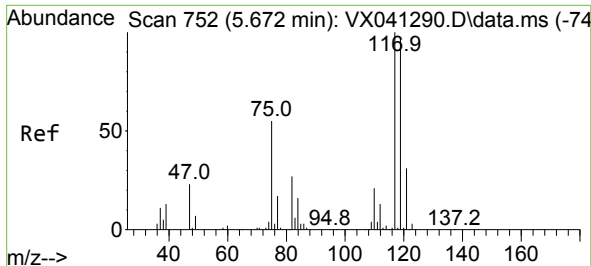
Tgt Ion:113 Resp: 74180
Ion Ratio Lower Upper
113 100
111 102.0 82.9 124.3
192 25.7 13.3 19.9#



#36
1,1-Dichloropropene
Concen: 6.014 ug/l
RT: 5.550 min Scan# 732
Delta R.T. -0.140 min
Lab File: VX041359.D
Acq: 02 May 2024 17:19

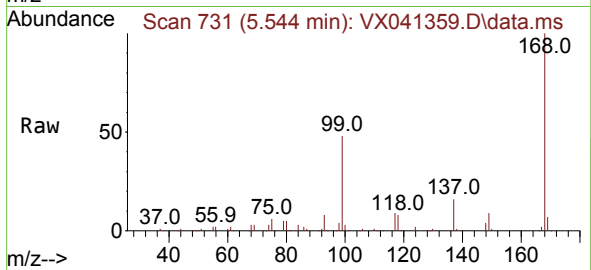
Tgt Ion: 75 Resp: 10515
Ion Ratio Lower Upper
75 100
110 9.9 17.0 50.9#
77 0.0 24.7 37.1#



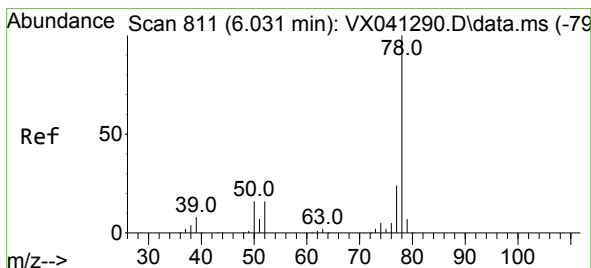
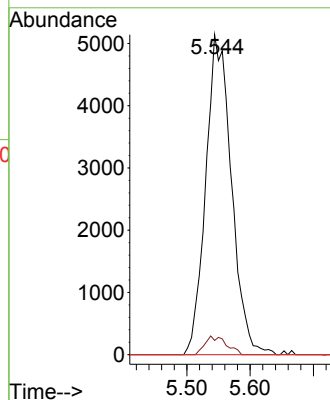
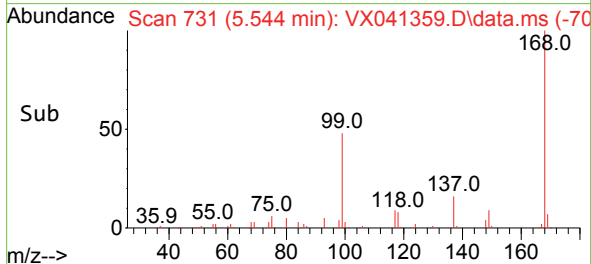


#38
Carbon Tetrachloride
Concen: 7.242 ug/l
RT: 5.544 min Scan# 71
Delta R.T. -0.128 min
Lab File: VX041359.D
Acq: 02 May 2024 17:19

Instrument :
MSVOA_X
ClientSampleId :

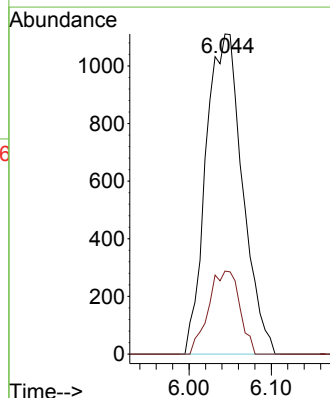
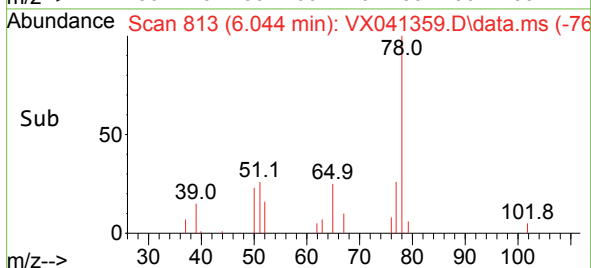
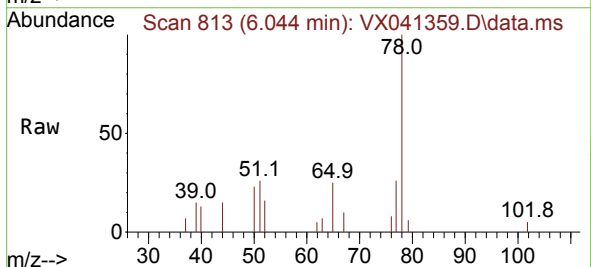


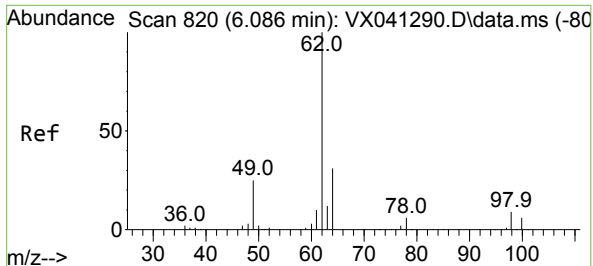
Tgt Ion:117 Resp: 14504
Ion Ratio Lower Upper
117 100
119 4.5 78.2 117.2#
121 0.0 24.4 36.6#



#40
Benzene
Concen: 0.636 ug/l
RT: 6.044 min Scan# 813
Delta R.T. 0.012 min
Lab File: VX041359.D
Acq: 02 May 2024 17:19

Tgt Ion: 78 Resp: 3427
Ion Ratio Lower Upper
78 100
77 25.9 19.3 28.9





#42

1,2-Dichloroethane

Concen: 3.234 ug/l

RT: 6.092 min Scan# 81

Delta R.T. 0.006 min

Lab File: VX041359.D

Acq: 02 May 2024 17:19

Instrument :

MSVOA_X

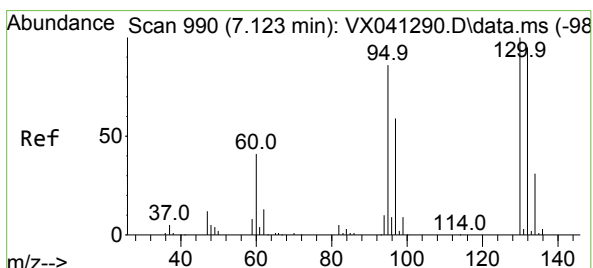
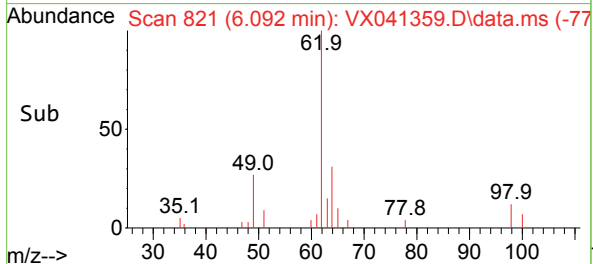
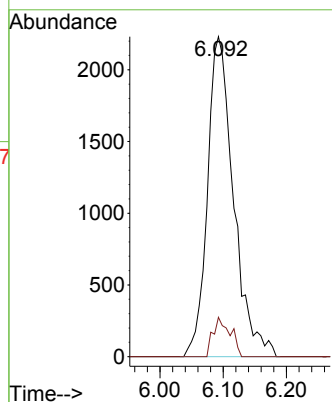
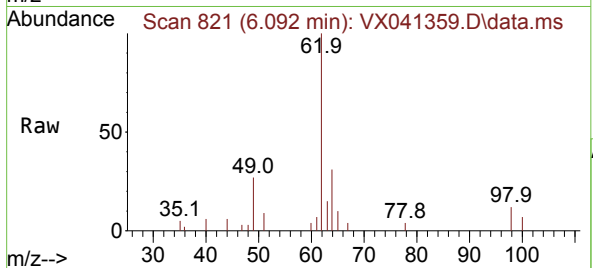
ClientSampleId :

Tgt Ion: 62 Resp: 6388

Ion Ratio Lower Upper

62 100

98 8.2 0.0 16.0



#44

Trichloroethene

Concen: 10.679 ug/l

RT: 7.129 min Scan# 991

Delta R.T. 0.006 min

Lab File: VX041359.D

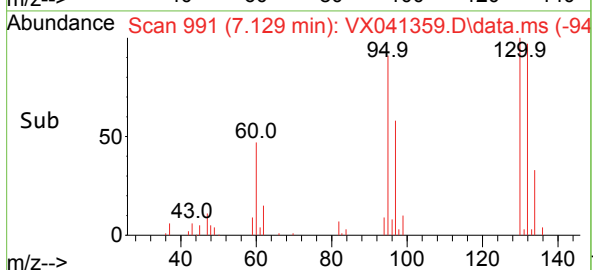
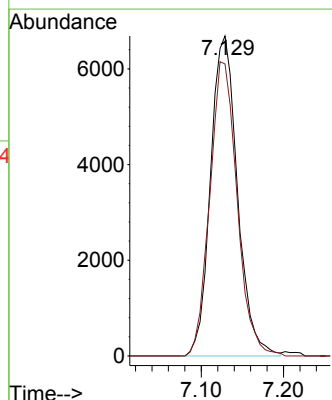
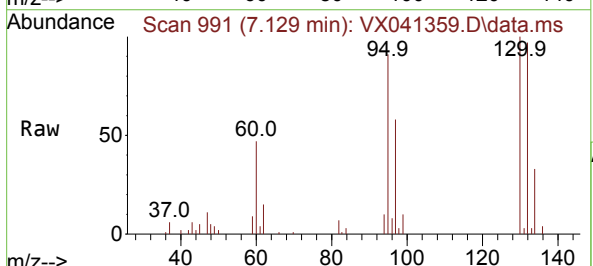
Acq: 02 May 2024 17:19

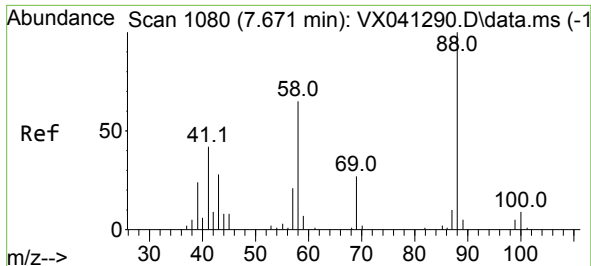
Tgt Ion:130 Resp: 15198

Ion Ratio Lower Upper

130 100

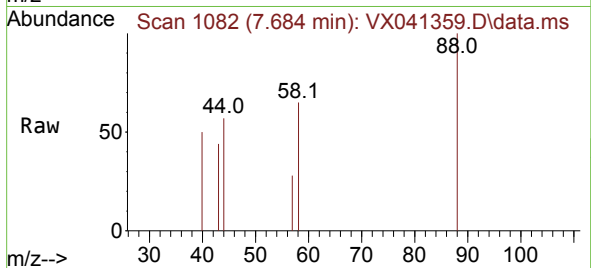
95 91.3 0.0 204.4



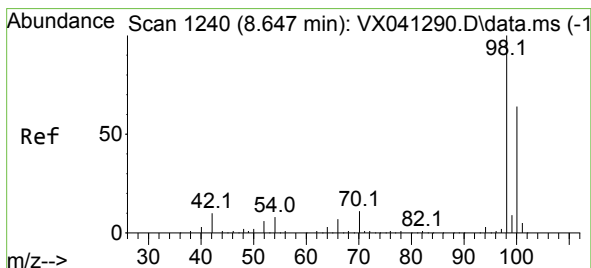
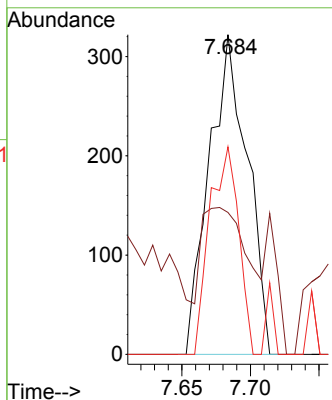
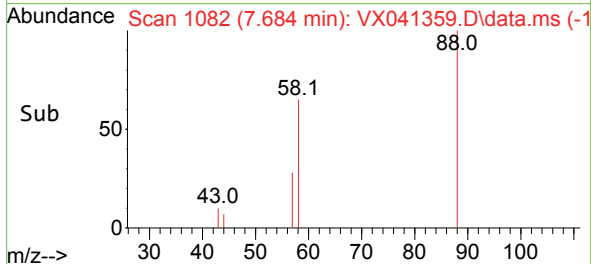


#49
1,4-Dioxane
Concen: 19.195 ug/l
RT: 7.684 min Scan# 1082
Delta R.T. 0.012 min
Lab File: VX041359.D
Acq: 02 May 2024 17:19

Instrument :
MSVOA_X
ClientSampleId :

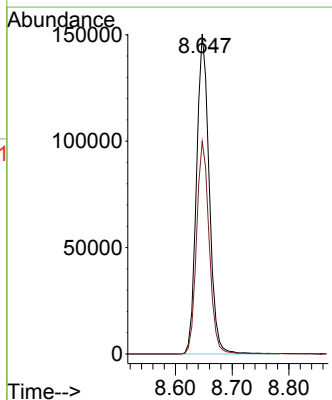
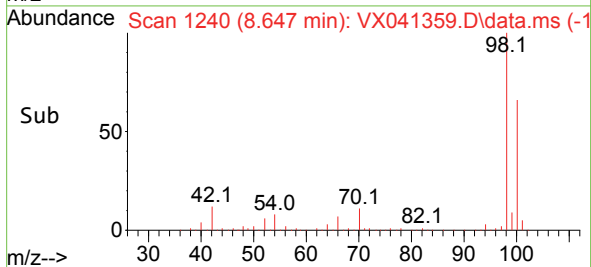
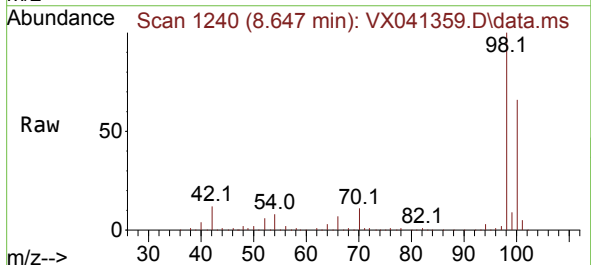


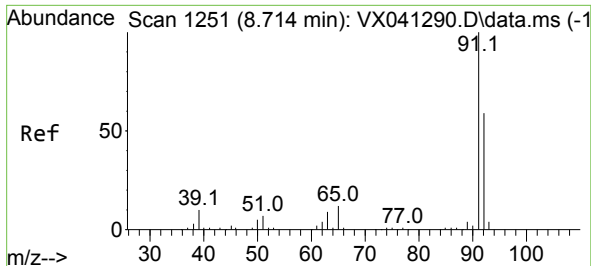
Tgt Ion: 88 Resp: 624
Ion Ratio Lower Upper
88 100
43 33.2 0.0 0.0#
58 49.4 60.1 90.1#



#50
Toluene-d8
Concen: 50.484 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. 0.000 min
Lab File: VX041359.D
Acq: 02 May 2024 17:19

Tgt Ion: 98 Resp: 233628
Ion Ratio Lower Upper
98 100
100 66.2 53.1 79.7

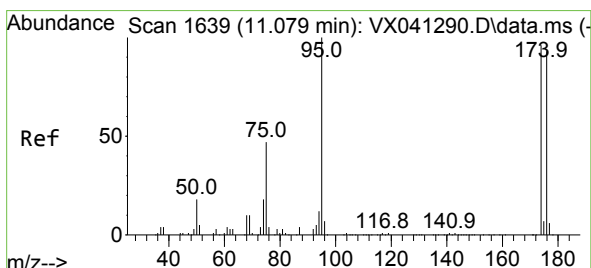
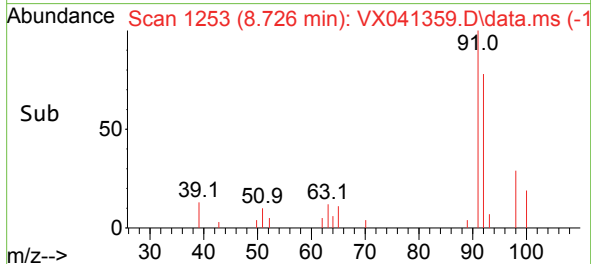
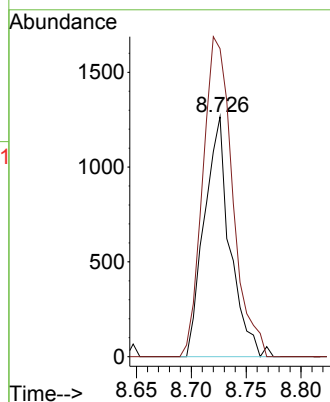
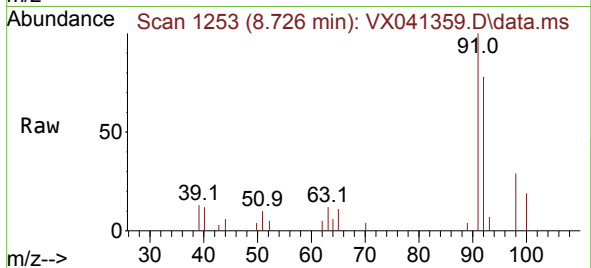




#52
Toluene
Concen: 0.625 ug/l
RT: 8.726 min Scan# 11
Delta R.T. 0.012 min
Lab File: VX041359.D
Acq: 02 May 2024 17:19

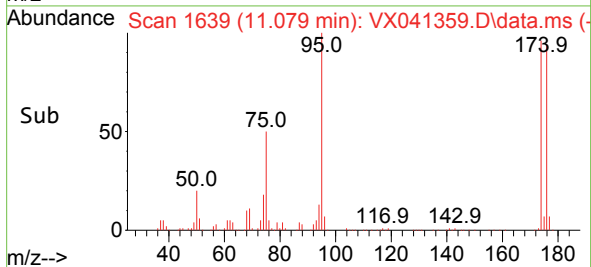
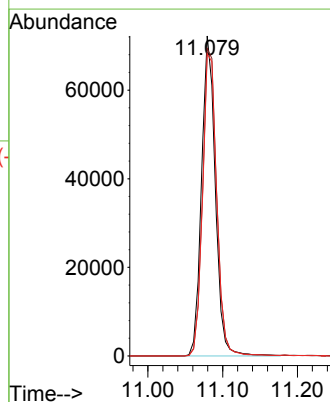
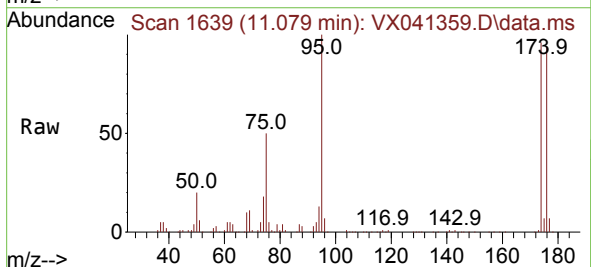
Instrument :
MSVOA_X
ClientSampleId :

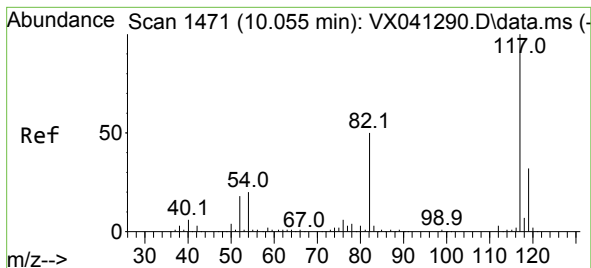
Tgt Ion: 92 Resp: 2062
Ion Ratio Lower Upper
92 100
91 154.6 134.2 201.2



#62
4-Bromofluorobenzene
Concen: 51.530 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.000 min
Lab File: VX041359.D
Acq: 02 May 2024 17:19

Tgt Ion: 95 Resp: 92313
Ion Ratio Lower Upper
95 100
174 98.8 0.0 135.6
176 97.2 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: VX041359.D

Acq: 02 May 2024 17:19

Instrument :

MSVOA_X

ClientSampleId :

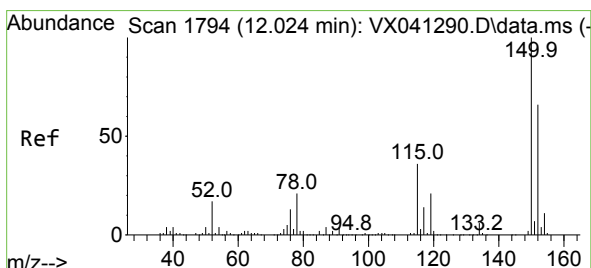
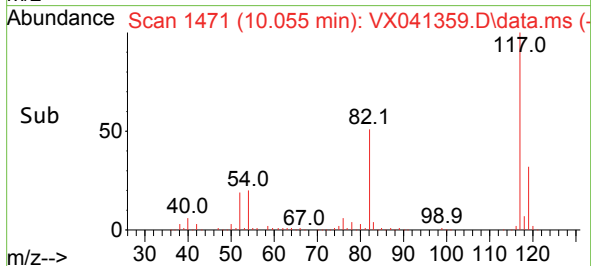
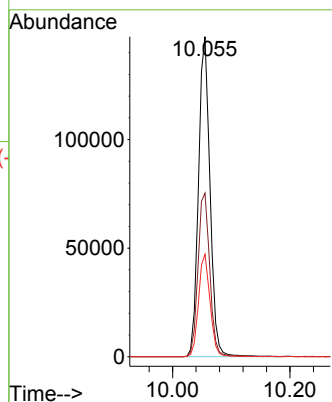
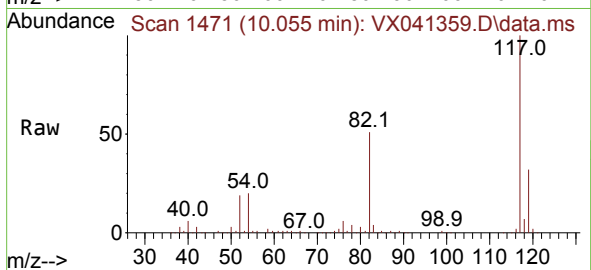
Tgt Ion:117 Resp: 200845

Ion Ratio Lower Upper

117 100

82 51.1 46.2 69.4

119 32.0 25.5 38.3



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.024 min Scan# 1794

Delta R.T. 0.000 min

Lab File: VX041359.D

Acq: 02 May 2024 17:19

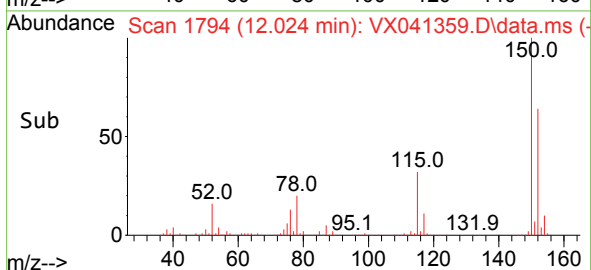
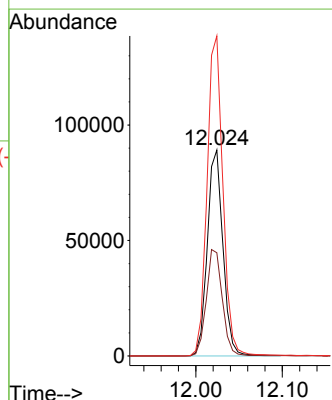
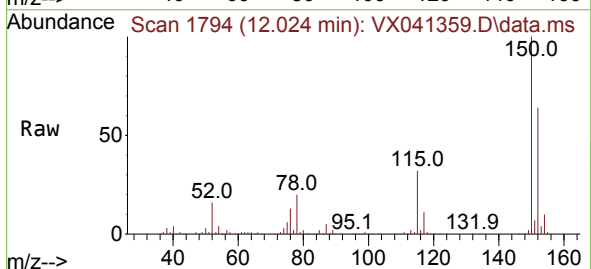
Tgt Ion:152 Resp: 112031

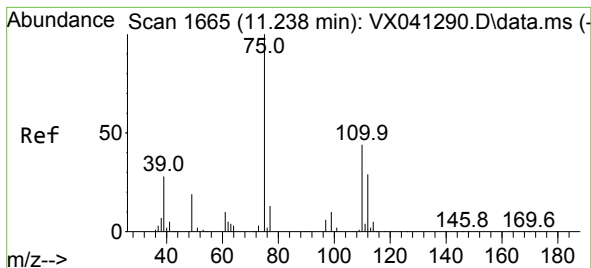
Ion Ratio Lower Upper

152 100

115 53.1 43.3 129.9

150 157.1 0.0 345.0





#76

1,2,3-Trichloropropane

Concen: 25.593 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. -0.158 min

Lab File: VX041359.D

Acq: 02 May 2024 17:19

Instrument :

MSVOA_X

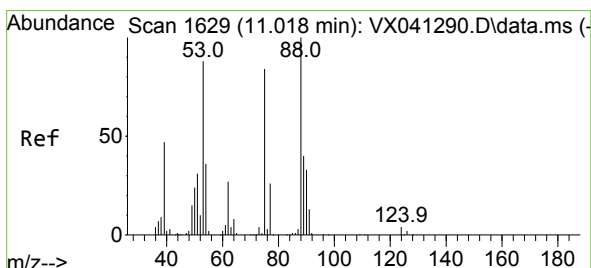
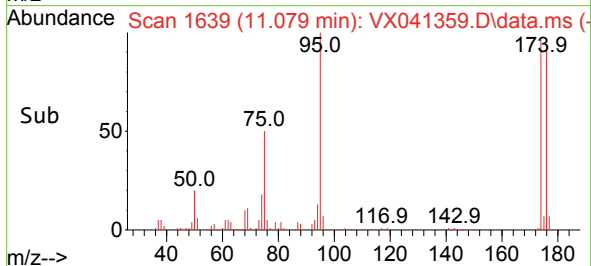
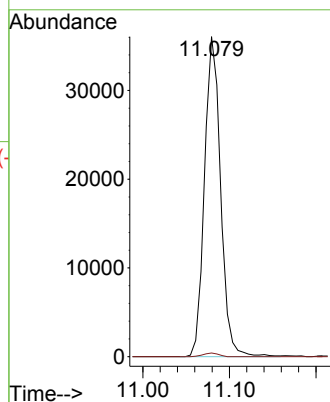
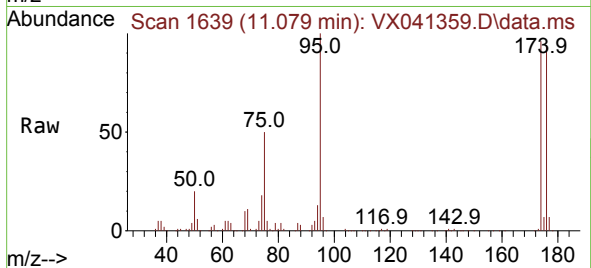
ClientSampleId :

Tgt Ion: 75 Resp: 46727

Ion Ratio Lower Upper

75 100

77 1.1 19.1 57.5#



#81

trans-1,4-Dichloro-2-butene

Concen: 69.713 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. 0.061 min

Lab File: VX041359.D

Acq: 02 May 2024 17:19

Tgt Ion: 75 Resp: 46727

Ion Ratio Lower Upper

75 100

53 0.0 90.5 135.7#

89 0.0 36.9 55.3#

