

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX060324\
 Data File : VX041703.D
 Acq On : 03 Jun 2024 14:43
 Operator : JC/MD
 Sample : P2691-04 50X
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Jun 04 00:48:12 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X052924W.M
 Quant Title : SW846 8260
 QLast Update : Thu May 30 07:36:24 2024
 Response via : Initial Calibration

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

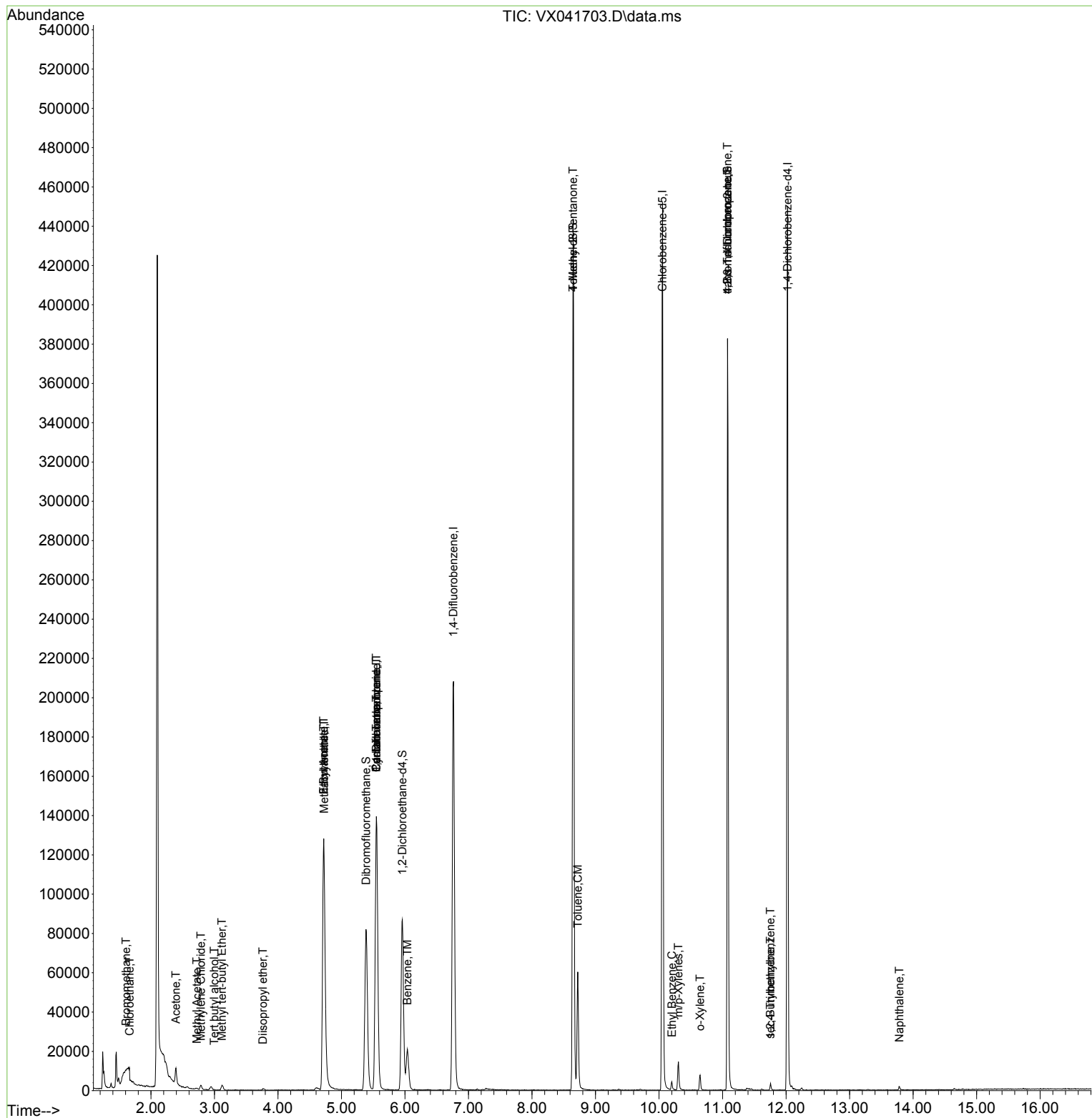
Internal Standards						
1) Pentafluorobenzene	5.550	168	146478	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	6.763	114	224269	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	216723	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	101705	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	86164	47.962	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	=	95.920%
35) Dibromofluoromethane	5.385	113	70959	45.763	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	91.520%
50) Toluene-d8	8.647	98	261138	48.199	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	=	96.400%
62) 4-Bromofluorobenzene	11.079	95	95980	47.998	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	96.000%
Target Compounds						
						Qvalue
5) Bromomethane	1.605	94	461	0.458	ug/l	# 51
6) Chloroethane	1.666	64	427	0.489	ug/l	# 43
11) Tert butyl alcohol	2.995	59	283	0.890	ug/l	# 78
16) Acetone	2.392	43	8983	8.701	ug/l	95
18) Methyl Acetate	2.721	43	961	0.560	ug/l	# 75
19) Methyl tert-butyl Ether	3.117	73	2684	0.614	ug/l	93
20) Methylene Chloride	2.788	84	1161	0.722	ug/l	# 75
22) Diisopropyl ether	3.763	45	912	0.208	ug/l	# 56
25) 2-Butanone	4.721	43	223004	199.727	ug/l	# 51
31) Cyclohexane	5.550	56	2677	1.262	ug/l	# 4
36) 1,1-Dichloropropene	5.550	75	9341	4.975	ug/l	# 47
37) Ethyl Acetate	4.721	43	225317	95.092	ug/l	99
38) Carbon Tetrachloride	5.550	117	12925	6.059	ug/l	# 15
40) Benzene	6.037	78	25378	4.324	ug/l	96
41) Methacrylonitrile	4.727	41	2161	1.865	ug/l	# 27
51) 4-Methyl-2-Pentanone	8.647	43	1252	0.540	ug/l	# 1
52) Toluene	8.720	92	23106	6.204	ug/l	96
67) Ethyl Benzene	10.201	91	2783	0.375	ug/l	90
68) m/p-Xylenes	10.305	106	3700	1.255	ug/l	99
69) o-Xylene	10.646	106	2026	0.691	ug/l	94
76) 1,2,3-Trichloropropane	11.079	75	48334	27.238	ug/l	# 39
81) trans-1,4-Dichloro-2-b...	11.079	75	48334	74.236	ug/l	# 5
84) 1,2,4-Trimethylbenzene	11.756	105	1922	0.360	ug/l	99
85) sec-Butylbenzene	11.756	105	1922	0.295	ug/l	# 57
95) Naphthalene	13.786	128	1770	0.269	ug/l	96

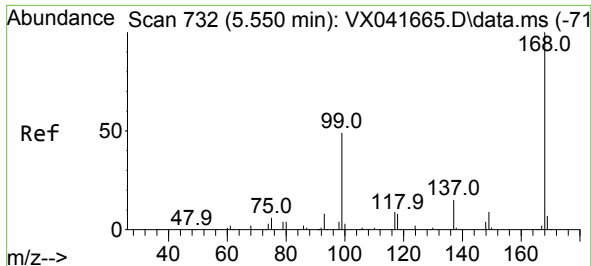
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX060324\
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ClientSampleId :

Quant Time: Jun 04 00:48:12 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X052924W.M
Quant Title : SW846 8260
QLast Update : Thu May 30 07:36:24 2024
Response via : Initial Calibration



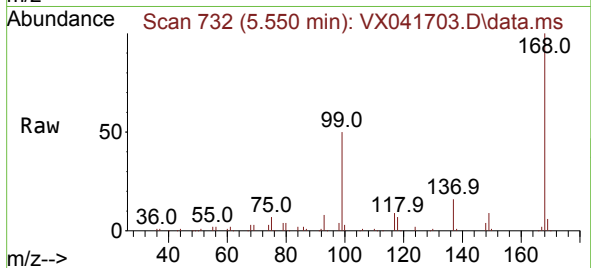


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.550 min Scan# 71
Delta R.T. -0.000 min
Lab File: VX041703.D
Acq: 03 Jun 2024 14:43

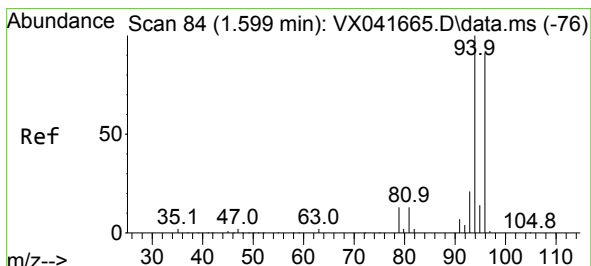
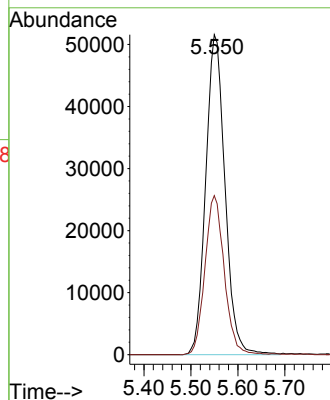
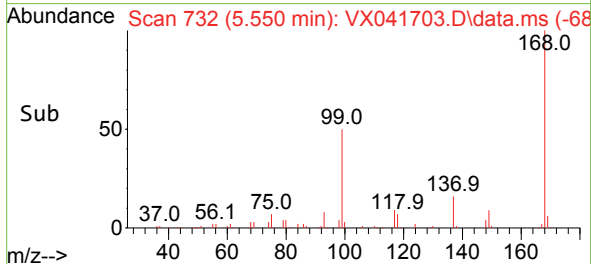
Instrument :

MSVOA_X

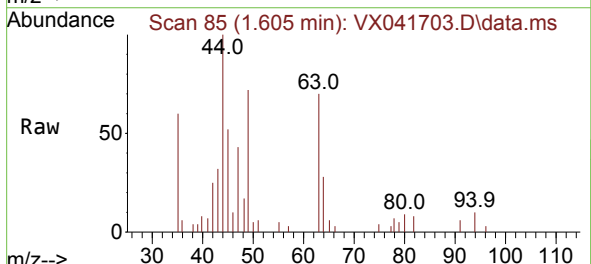
ClientSampleId :



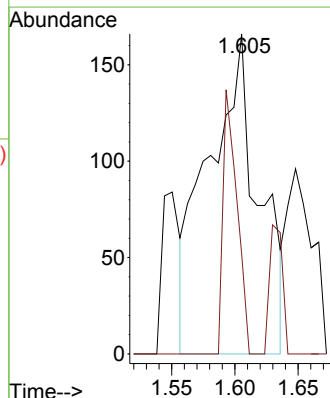
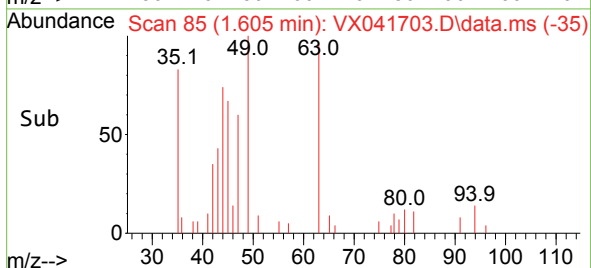
Tgt Ion:168 Resp: 146478
Ion Ratio Lower Upper
168 100
99 49.7 56.6 85.0#

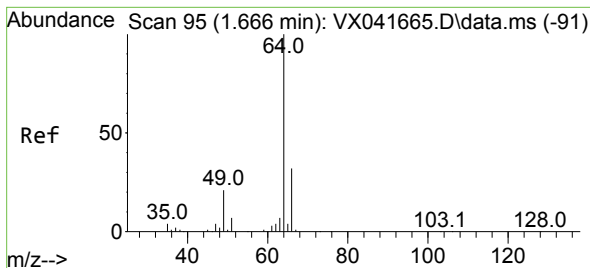


#5
Bromomethane
Concen: 0.458 ug/l
RT: 1.605 min Scan# 85
Delta R.T. 0.006 min
Lab File: VX041703.D
Acq: 03 Jun 2024 14:43



Tgt Ion: 94 Resp: 461
Ion Ratio Lower Upper
94 100
96 46.4 74.6 111.8#

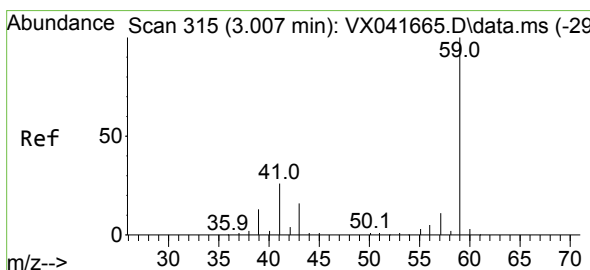
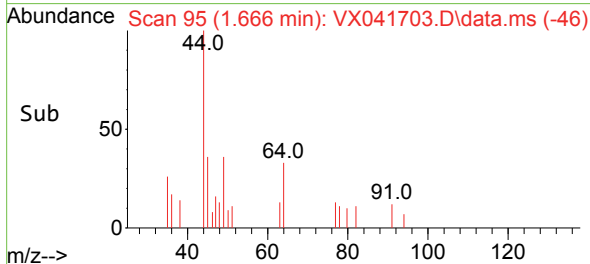
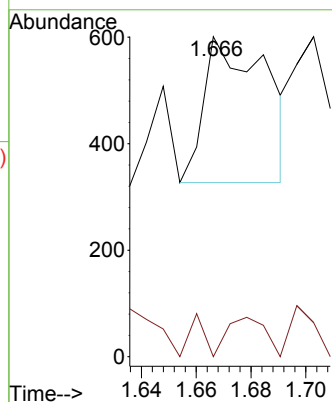
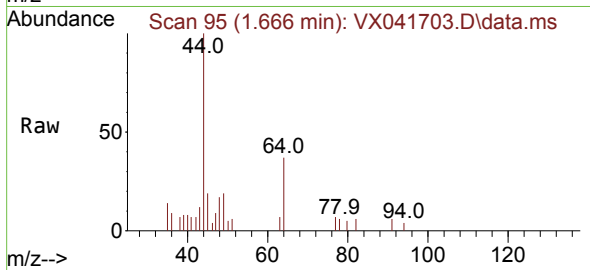




#6
 Chloroethane
 Concen: 0.489 ug/l
 RT: 1.666 min Scan# 91
 Delta R.T. 0.000 min
 Lab File: VX041703.D
 Acq: 03 Jun 2024 14:43

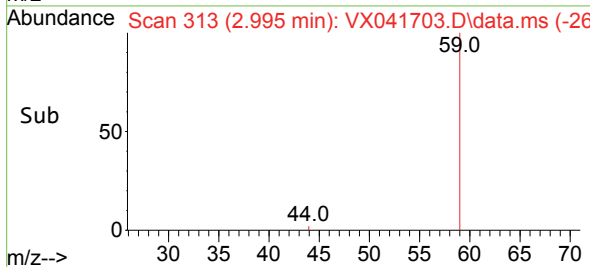
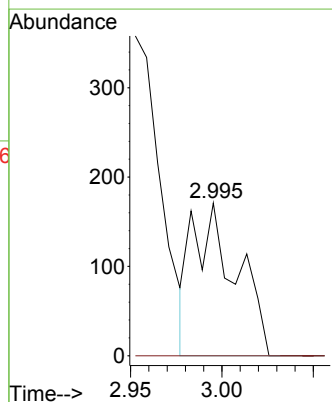
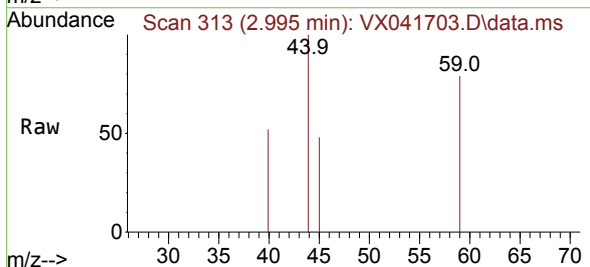
Instrument :
 MSVOA_X
 ClientSampleId :

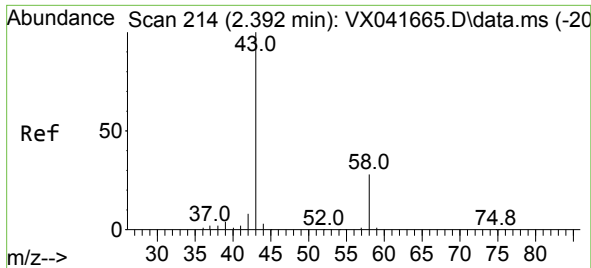
Tgt Ion: 64 Resp: 427
 Ion Ratio Lower Upper
 64 100
 66 0.0 25.1 37.7#



#11
 Tert butyl alcohol
 Concen: 0.890 ug/l
 RT: 2.995 min Scan# 313
 Delta R.T. -0.012 min
 Lab File: VX041703.D
 Acq: 03 Jun 2024 14:43

Tgt Ion: 59 Resp: 283
 Ion Ratio Lower Upper
 59 100
 57 0.0 6.0 9.0#

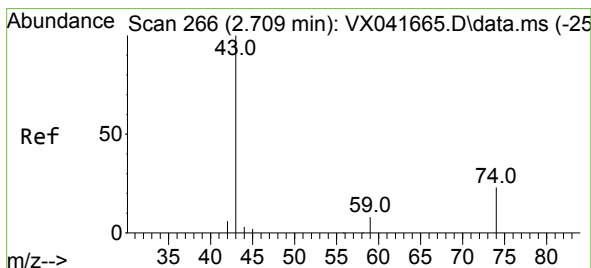
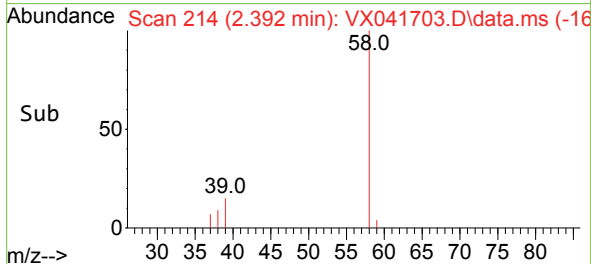
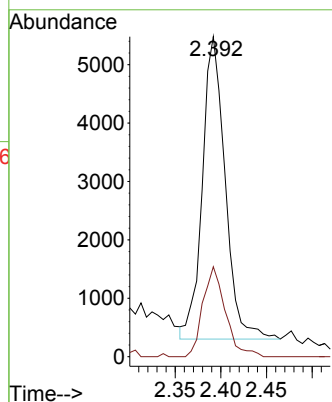
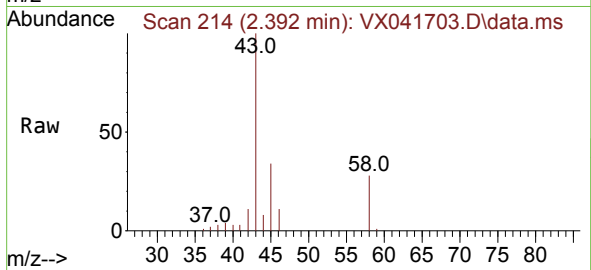




#16
Acetone
Concen: 8.701 ug/l
RT: 2.392 min Scan# 214
Delta R.T. -0.000 min
Lab File: VX041703.D
Acq: 03 Jun 2024 14:43

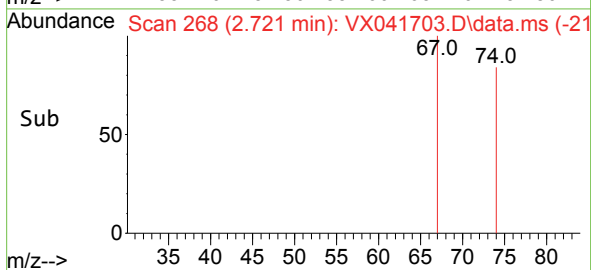
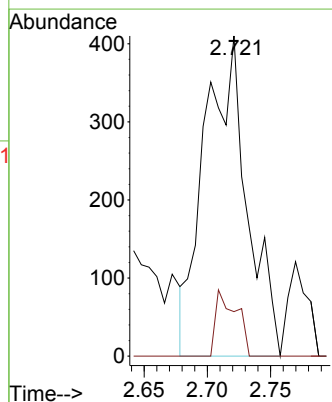
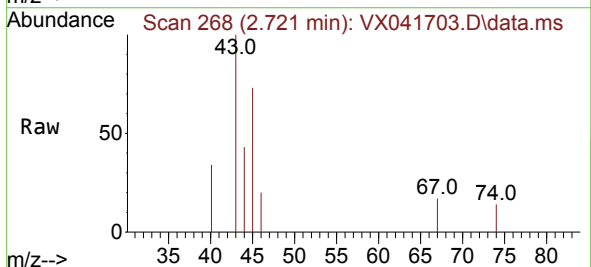
Instrument :
MSVOA_X
ClientSampleId :

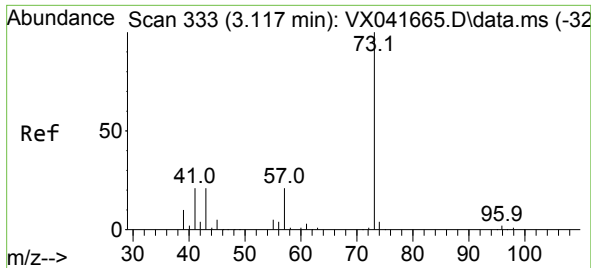
Tgt Ion: 43 Resp: 8983
Ion Ratio Lower Upper
43 100
58 29.8 21.9 32.9



#18
Methyl Acetate
Concen: 0.560 ug/l
RT: 2.721 min Scan# 268
Delta R.T. 0.012 min
Lab File: VX041703.D
Acq: 03 Jun 2024 14:43

Tgt Ion: 43 Resp: 961
Ion Ratio Lower Upper
43 100
74 10.1 17.8 26.8#

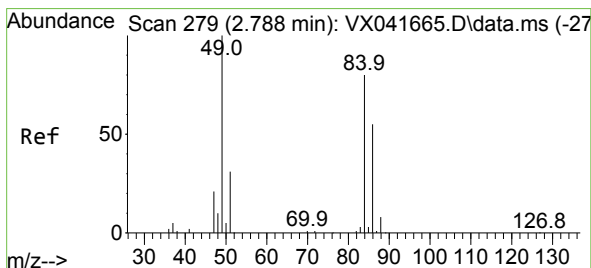
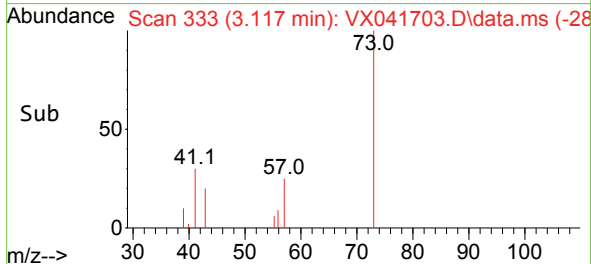
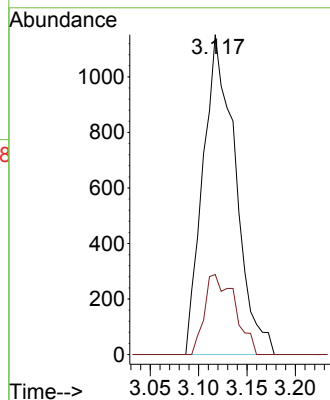
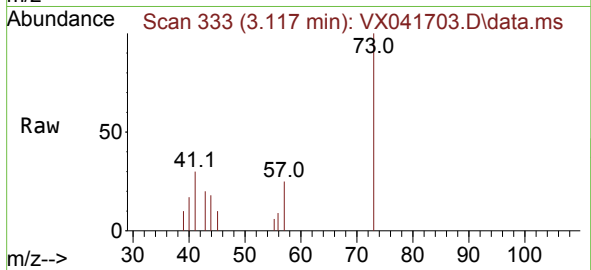




#19
Methyl tert-butyl Ether
Concen: 0.614 ug/l
RT: 3.117 min Scan# 311
Delta R.T. 0.000 min
Lab File: VX041703.D
Acq: 03 Jun 2024 14:43

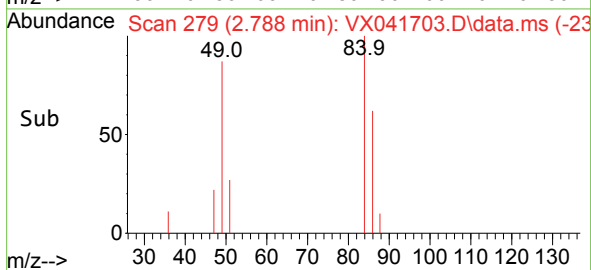
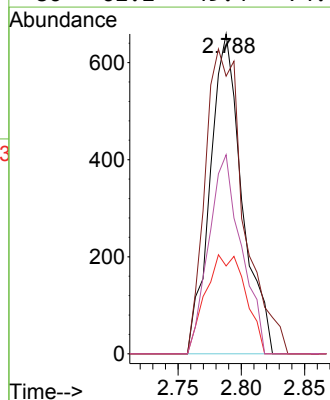
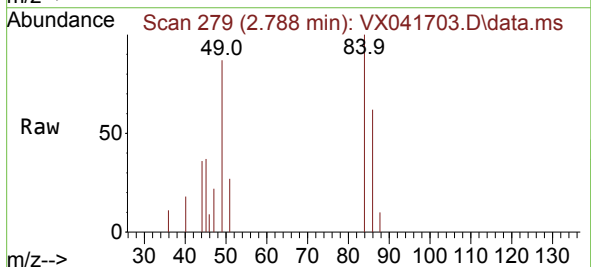
Instrument :
MSVOA_X
ClientSampleId :

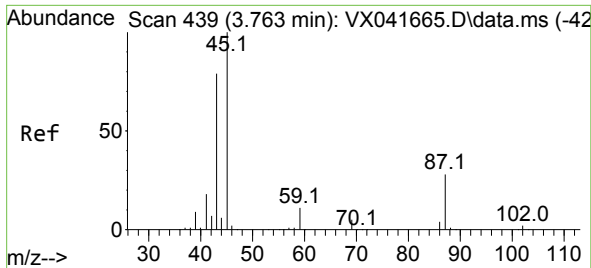
Tgt Ion: 73 Resp: 2684
Ion Ratio Lower Upper
73 100
57 25.0 17.3 25.9



#20
Methylene Chloride
Concen: 0.722 ug/l
RT: 2.788 min Scan# 279
Delta R.T. 0.000 min
Lab File: VX041703.D
Acq: 03 Jun 2024 14:43

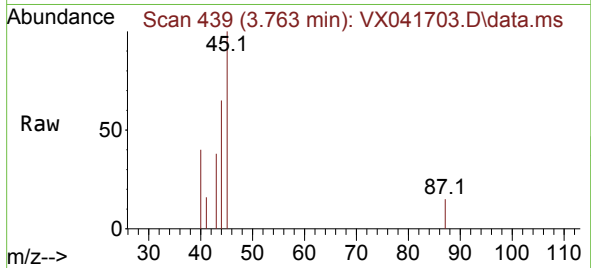
Tgt Ion: 84 Resp: 1161
Ion Ratio Lower Upper
84 100
49 86.8 103.6 155.4#
51 27.5 33.8 50.6#
86 62.2 49.4 74.0



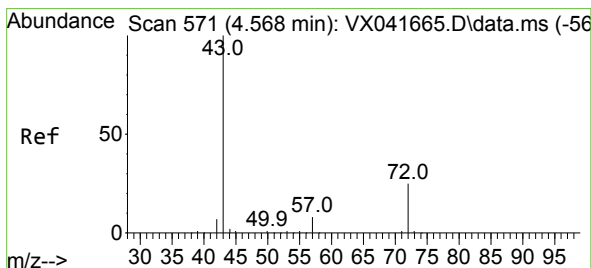
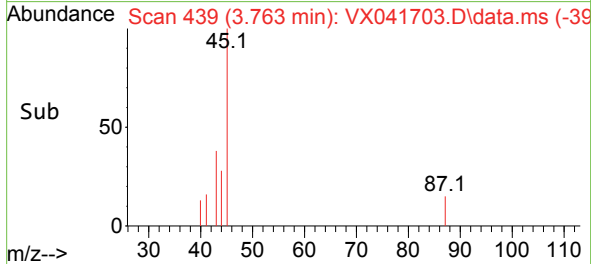
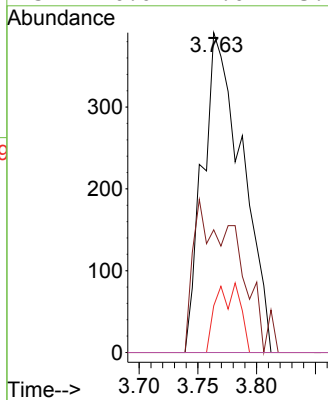


#22
Diisopropyl ether
Concen: 0.208 ug/l
RT: 3.763 min Scan# 41
Delta R.T. 0.000 min
Lab File: VX041703.D
Acq: 03 Jun 2024 14:43

Instrument :
MSVOA_X
ClientSampleId :

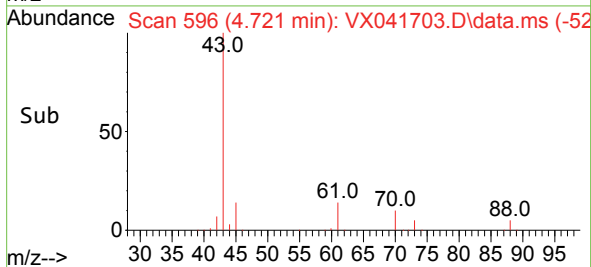
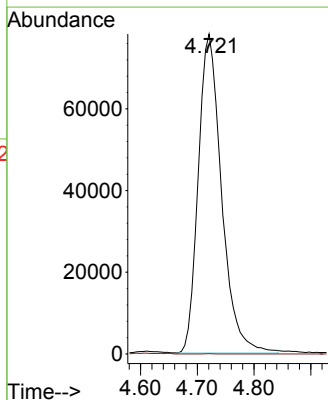
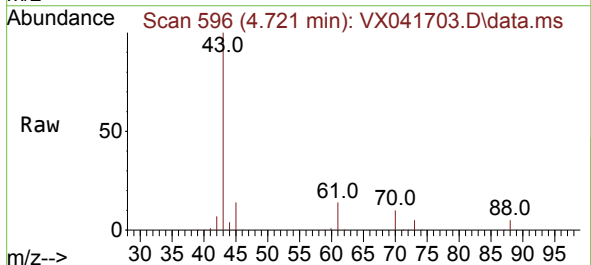


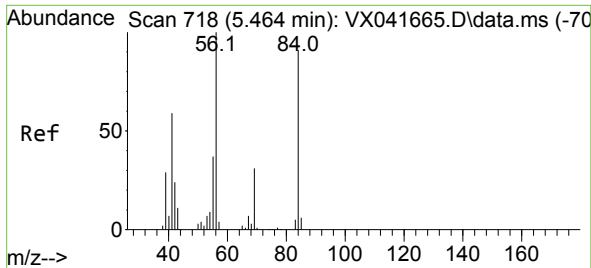
Tgt Ion:	45	Resp:	912
Ion	Ratio	Lower	Upper
45	100		
43	38.4	69.7	104.5#
87	14.6	20.8	31.2#
59	0.0	9.0	13.4#



#25
2-Butanone
Concen: 199.727 ug/l
RT: 4.721 min Scan# 596
Delta R.T. 0.152 min
Lab File: VX041703.D
Acq: 03 Jun 2024 14:43

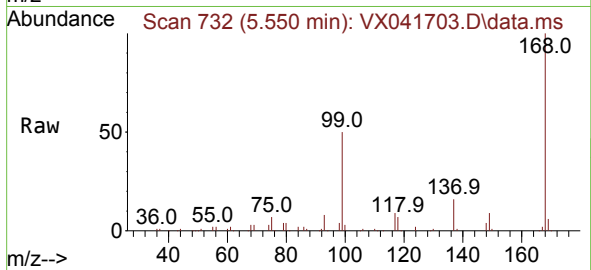
Tgt Ion:	43	Resp:	223004
Ion	Ratio	Lower	Upper
43	100		
72	0.1	19.4	29.2#



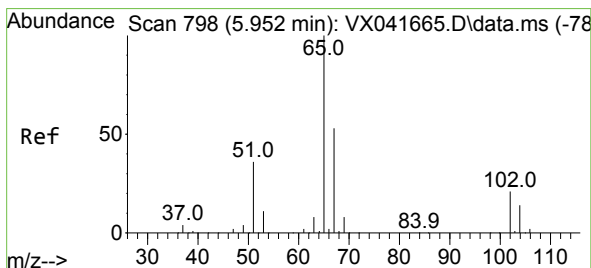
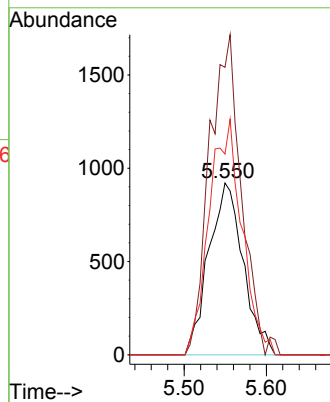
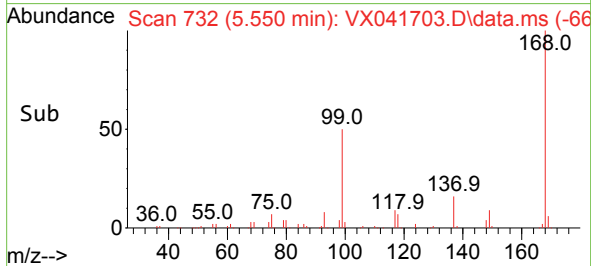


#31
Cyclohexane
Concen: 1.262 ug/l
RT: 5.550 min Scan# 718
Delta R.T. 0.085 min
Lab File: VX041703.D
Acq: 03 Jun 2024 14:43

Instrument :
MSVOA_X
ClientSampleId :

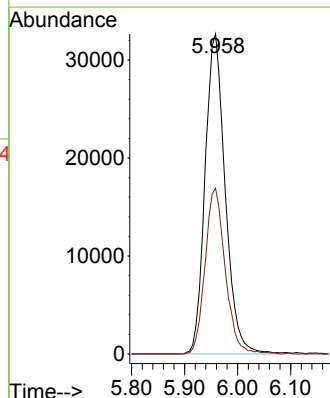
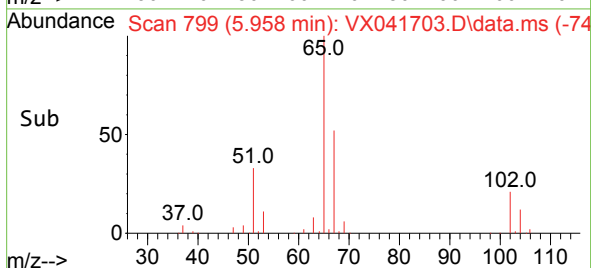
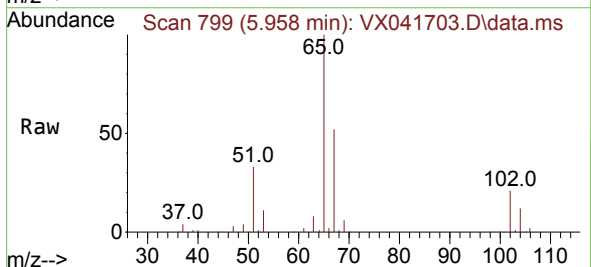


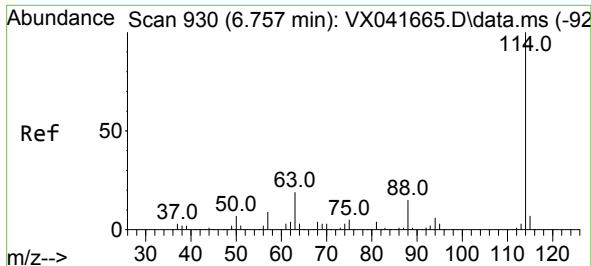
Tgt Ion: 56 Resp: 2677
Ion Ratio Lower Upper
56 100
69 167.3 23.4 35.2#
84 116.8 65.9 98.9#



#33
1,2-Dichloroethane-d4
Concen: 47.962 ug/l
RT: 5.958 min Scan# 799
Delta R.T. 0.006 min
Lab File: VX041703.D
Acq: 03 Jun 2024 14:43

Tgt Ion: 65 Resp: 86164
Ion Ratio Lower Upper
65 100
67 51.7 0.0 100.2

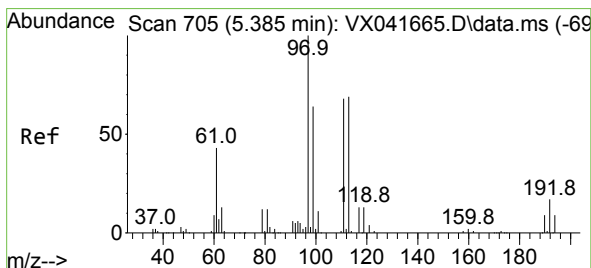
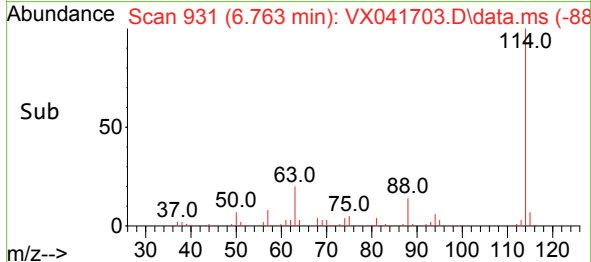
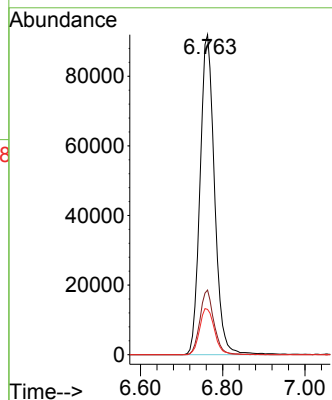
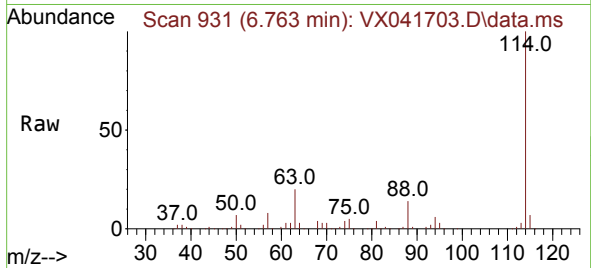




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.763 min Scan# 91
Delta R.T. 0.006 min
Lab File: VX041703.D
Acq: 03 Jun 2024 14:43

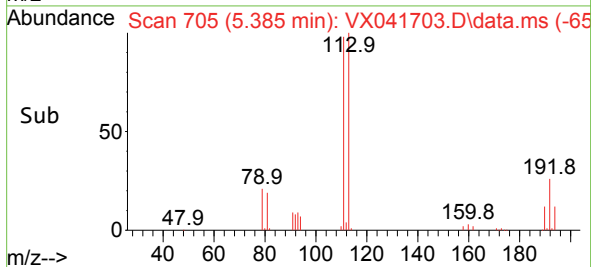
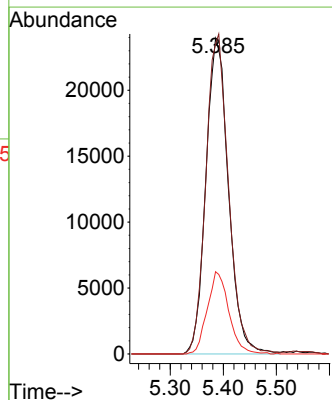
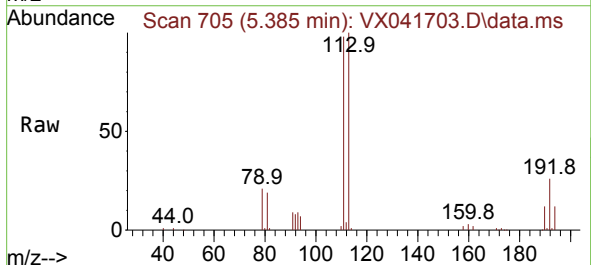
Instrument :
MSVOA_X
ClientSampleId :

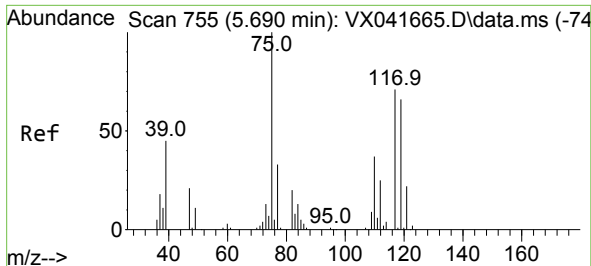
Tgt Ion:114 Resp: 224269
Ion Ratio Lower Upper
114 100
63 20.2 0.0 45.0
88 14.1 0.0 36.6



#35
Dibromofluoromethane
Concen: 45.763 ug/l
RT: 5.385 min Scan# 705
Delta R.T. 0.000 min
Lab File: VX041703.D
Acq: 03 Jun 2024 14:43

Tgt Ion:113 Resp: 70959
Ion Ratio Lower Upper
113 100
111 101.4 82.9 124.3
192 24.8 13.3 19.9#

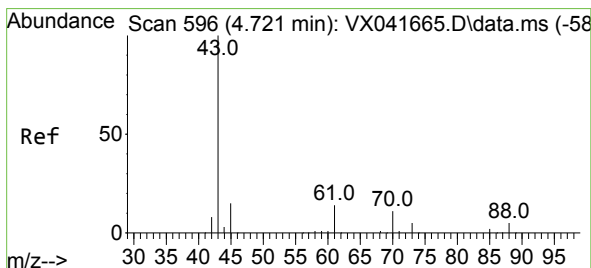
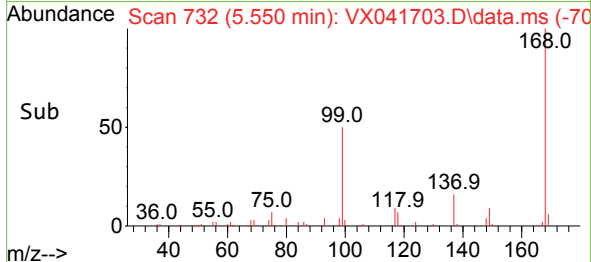
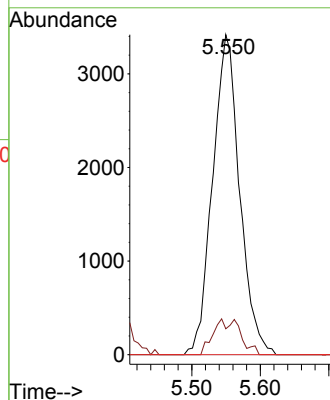
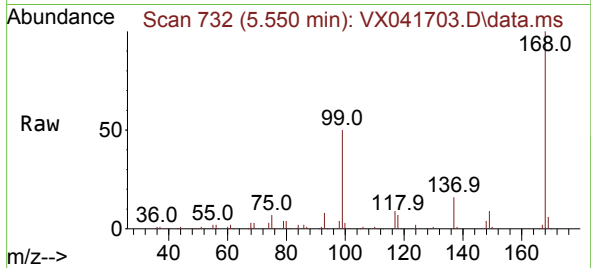




#36
1,1-Dichloropropene
Concen: 4.975 ug/l
RT: 5.550 min Scan# 71
Delta R.T. -0.140 min
Lab File: VX041703.D
Acq: 03 Jun 2024 14:43

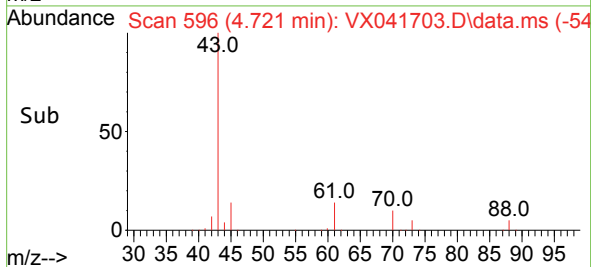
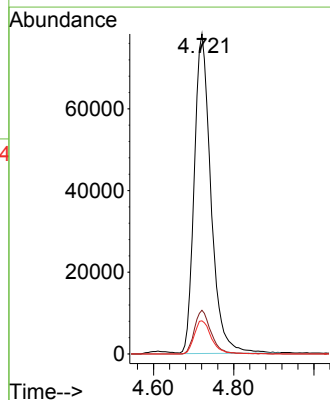
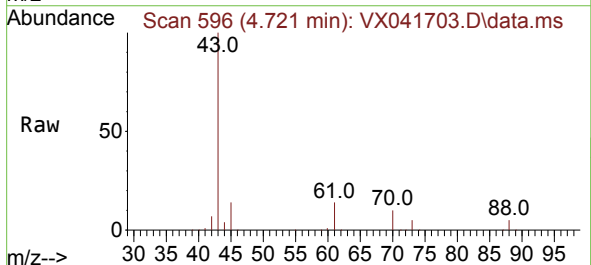
Instrument :
MSVOA_X
ClientSampleId :

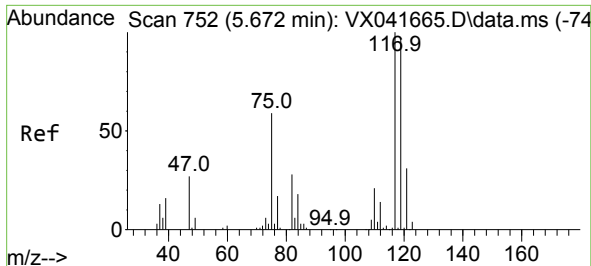
Tgt Ion: 75 Resp: 9341
Ion Ratio Lower Upper
75 100
110 5.7 17.0 50.9#
77 0.0 24.7 37.1#



#37
Ethyl Acetate
Concen: 95.092 ug/l
RT: 4.721 min Scan# 596
Delta R.T. 0.000 min
Lab File: VX041703.D
Acq: 03 Jun 2024 14:43

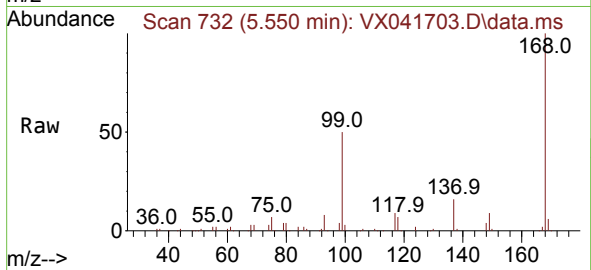
Tgt Ion: 43 Resp: 225317
Ion Ratio Lower Upper
43 100
61 13.6 10.6 16.0
70 10.8 8.3 12.5



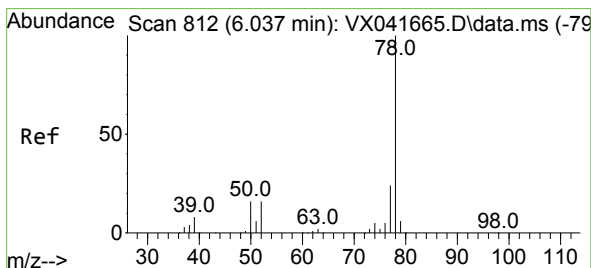
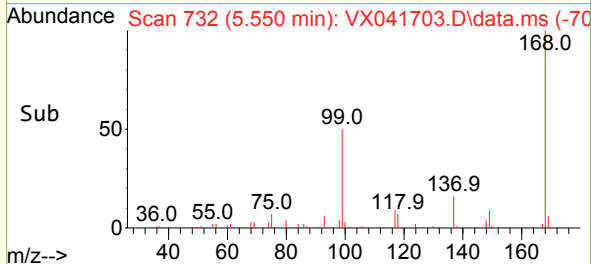
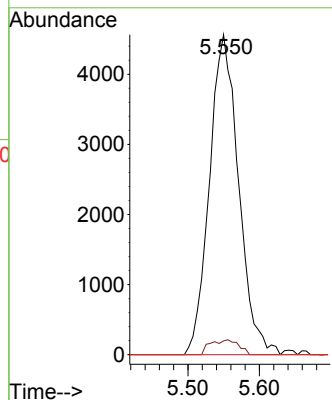


#38
Carbon Tetrachloride
Concen: 6.059 ug/l
RT: 5.550 min Scan# 71
Delta R.T. -0.122 min
Lab File: VX041703.D
Acq: 03 Jun 2024 14:43

Instrument :
MSVOA_X
ClientSampleId :

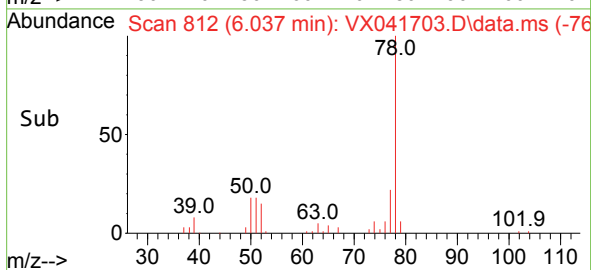
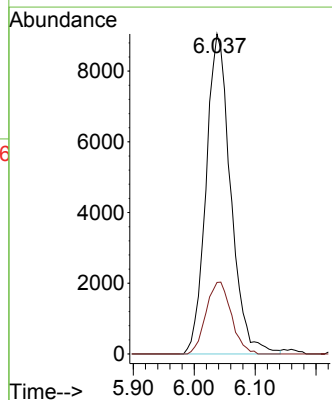
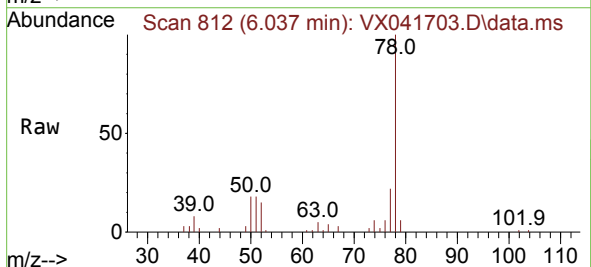


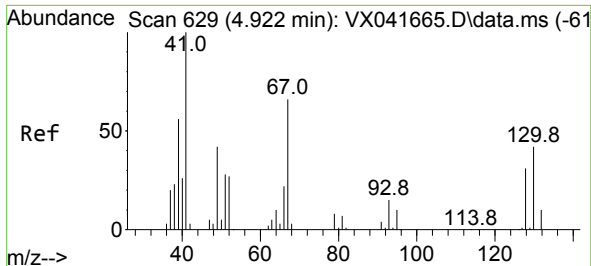
Tgt Ion:117 Resp: 12925
Ion Ratio Lower Upper
117 100
119 4.3 78.2 117.2#
121 0.0 24.4 36.6#



#40
Benzene
Concen: 4.324 ug/l
RT: 6.037 min Scan# 812
Delta R.T. 0.000 min
Lab File: VX041703.D
Acq: 03 Jun 2024 14:43

Tgt Ion: 78 Resp: 25378
Ion Ratio Lower Upper
78 100
77 22.3 19.3 28.9

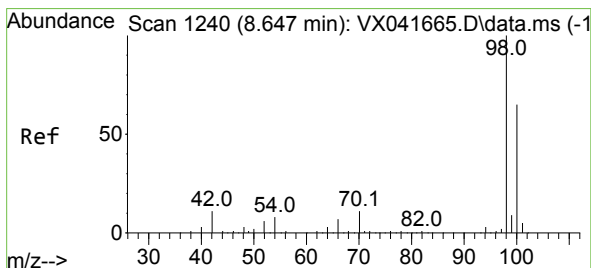
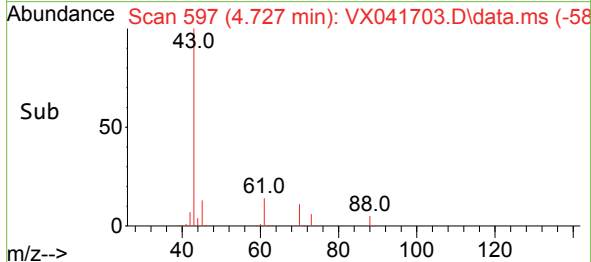
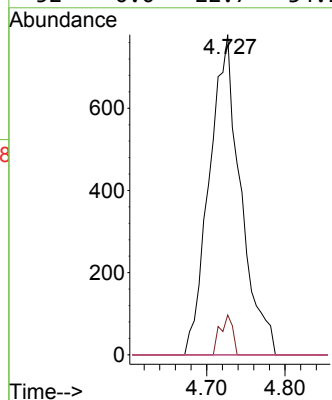
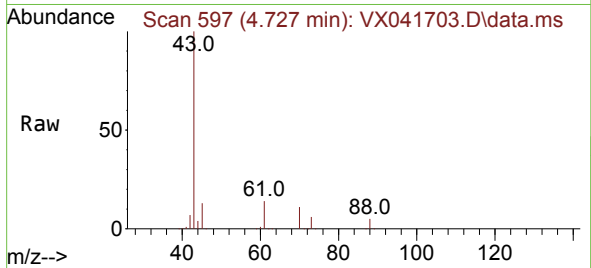




#41
Methacrylonitrile
Concen: 1.865 ug/l
RT: 4.727 min Scan# 597
Delta R.T. -0.195 min
Lab File: VX041703.D
Acq: 03 Jun 2024 14:43

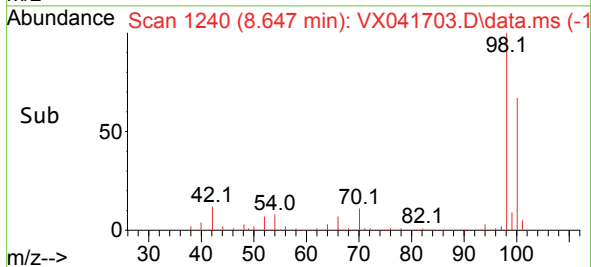
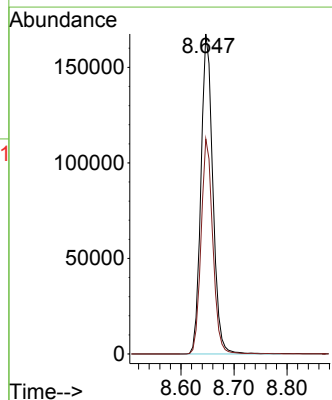
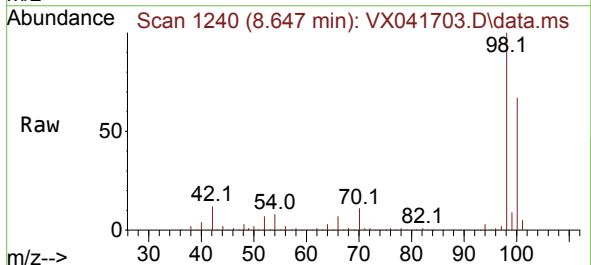
Instrument :
MSVOA_X
ClientSampleId :

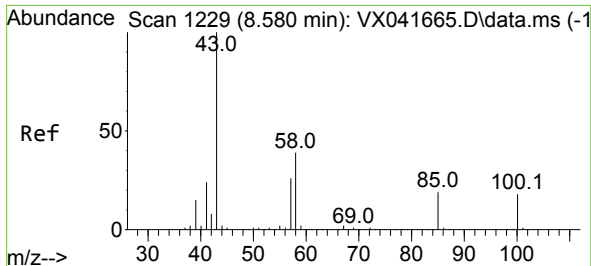
Tgt Ion: 41 Resp: 2161
Ion Ratio Lower Upper
41 100
39 5.0 45.2 67.8#
67 0.0 52.6 78.8#
52 0.0 22.7 34.1#



#50
Toluene-d8
Concen: 48.199 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. 0.000 min
Lab File: VX041703.D
Acq: 03 Jun 2024 14:43

Tgt Ion: 98 Resp: 261138
Ion Ratio Lower Upper
98 100
100 66.2 53.1 79.7

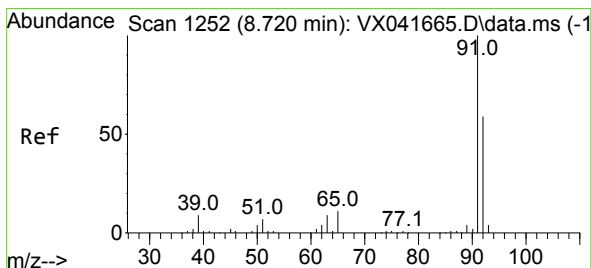
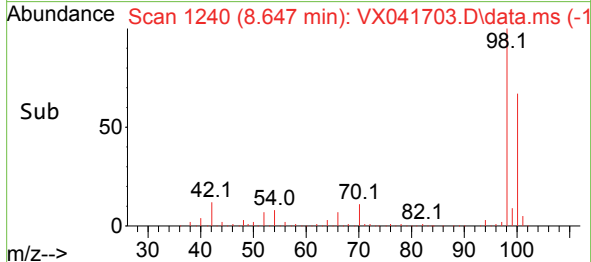
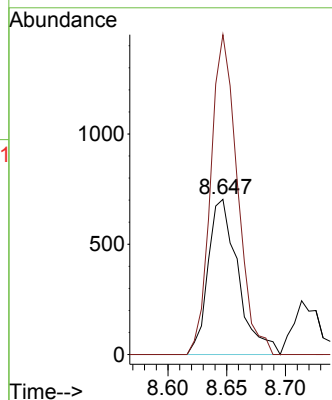
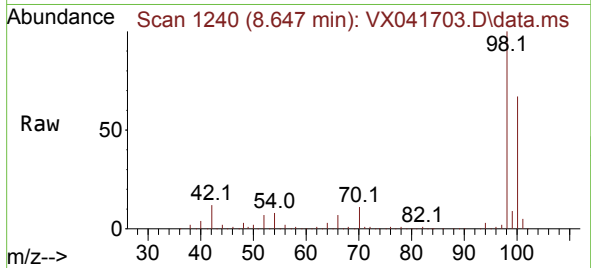




#51
4-Methyl-2-Pentanone
Concen: 0.540 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. 0.067 min
Lab File: VX041703.D
Acq: 03 Jun 2024 14:43

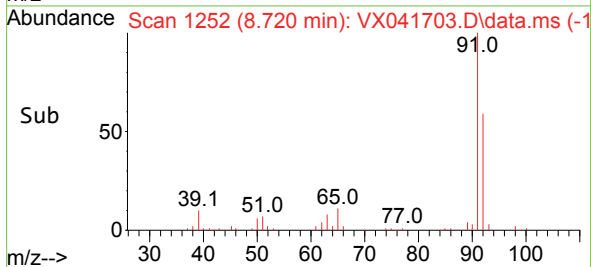
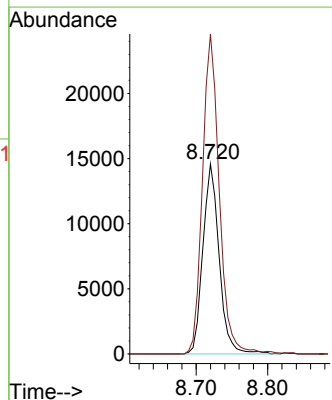
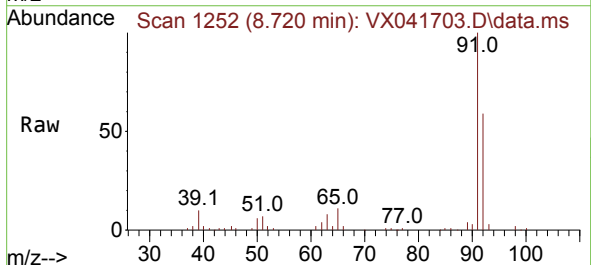
Instrument :
MSVOA_X
ClientSampleId :

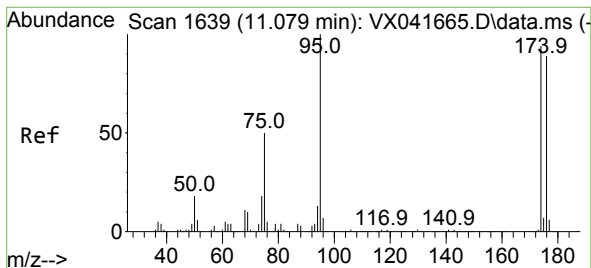
Tgt Ion: 43 Resp: 1252
Ion Ratio Lower Upper
43 100
58 183.7 30.4 45.6#



#52
Toluene
Concen: 6.204 ug/l
RT: 8.720 min Scan# 1252
Delta R.T. 0.000 min
Lab File: VX041703.D
Acq: 03 Jun 2024 14:43

Tgt Ion: 92 Resp: 23106
Ion Ratio Lower Upper
92 100
91 173.8 134.2 201.2

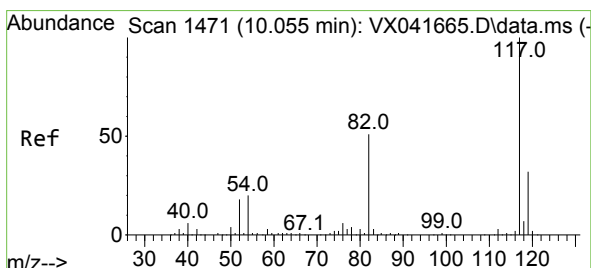
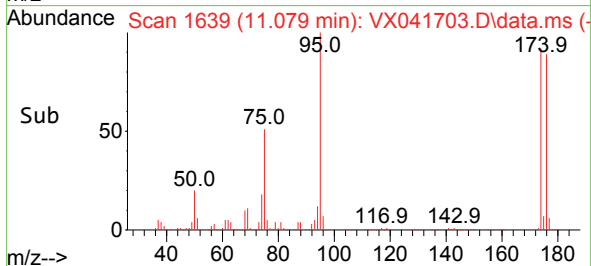
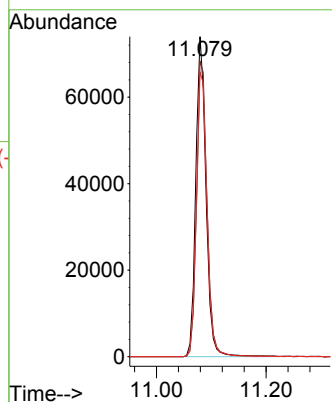
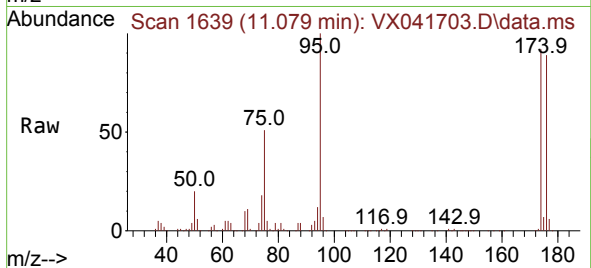




#62
4-Bromofluorobenzene
Concen: 47.998 ug/l
RT: 11.079 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX041703.D
Acq: 03 Jun 2024 14:43

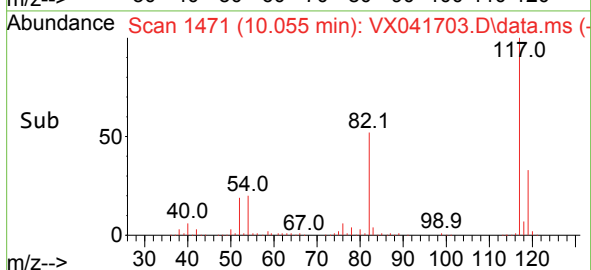
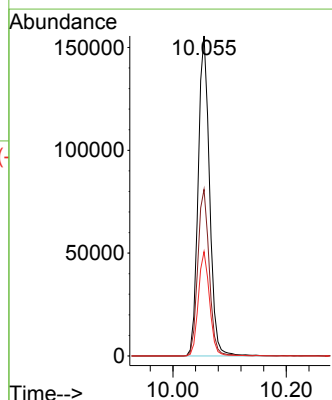
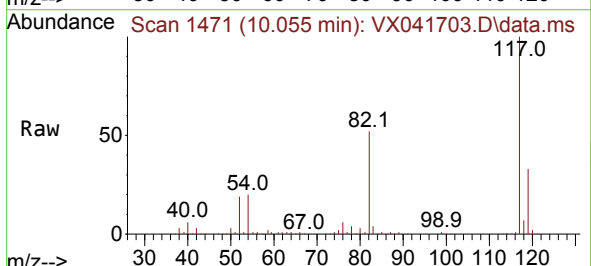
Instrument :
MSVOA_X
ClientSampleId :

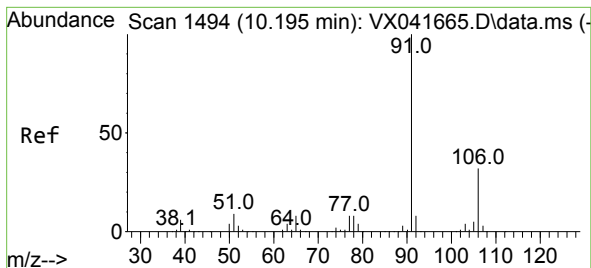
Tgt Ion: 95 Resp: 95980
Ion Ratio Lower Upper
95 100
174 95.4 0.0 135.6
176 92.2 0.0 131.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.000 min
Lab File: VX041703.D
Acq: 03 Jun 2024 14:43

Tgt Ion: 117 Resp: 216723
Ion Ratio Lower Upper
117 100
82 52.0 46.2 69.4
119 32.6 25.5 38.3





#67

Ethyl Benzene

Concen: 0.375 ug/l

RT: 10.201 min Scan# 1495

Delta R.T. 0.006 min

Lab File: VX041703.D

Acq: 03 Jun 2024 14:43

Instrument :

MSVOA_X

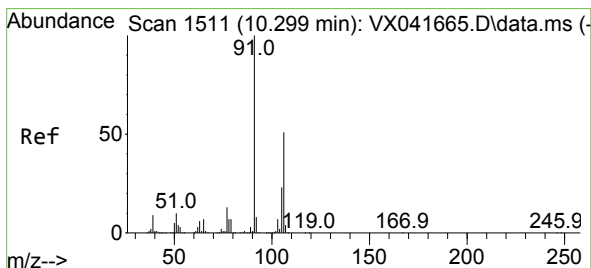
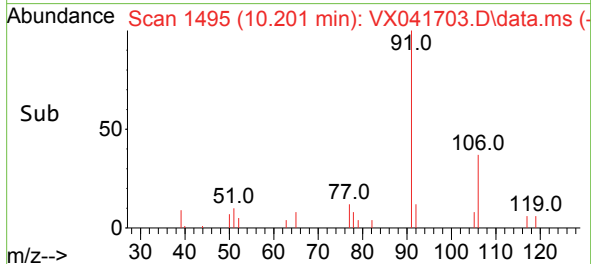
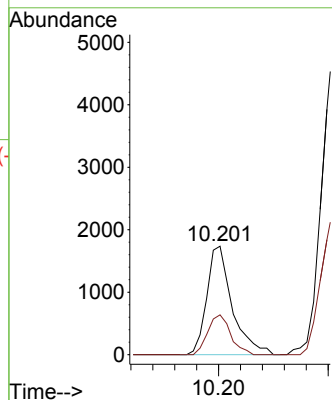
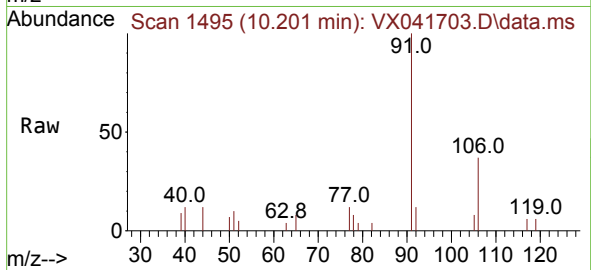
ClientSampleId :

Tgt Ion: 91 Resp: 2783

Ion Ratio Lower Upper

91 100

106 36.7 24.9 37.3



#68

m/p-Xylenes

Concen: 1.255 ug/l

RT: 10.305 min Scan# 1512

Delta R.T. 0.006 min

Lab File: VX041703.D

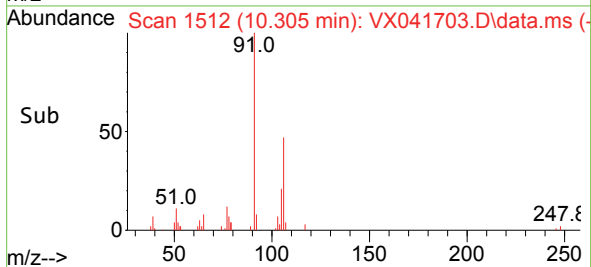
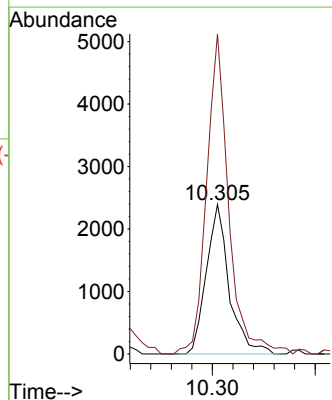
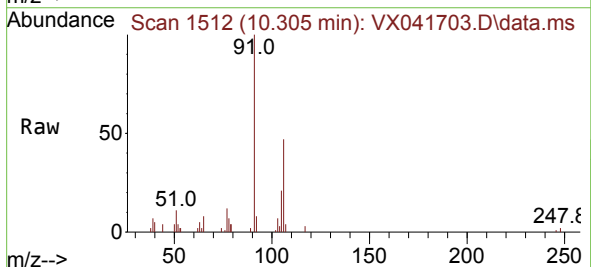
Acq: 03 Jun 2024 14:43

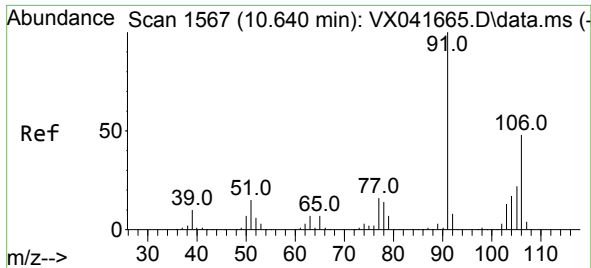
Tgt Ion: 106 Resp: 3700

Ion Ratio Lower Upper

106 100

91 205.8 165.5 248.3

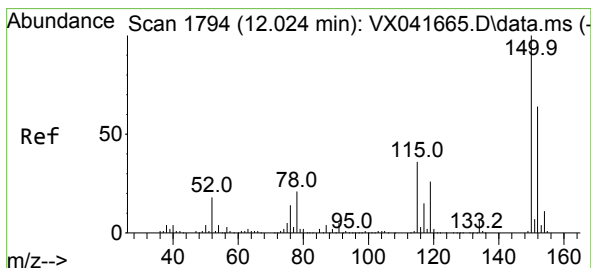
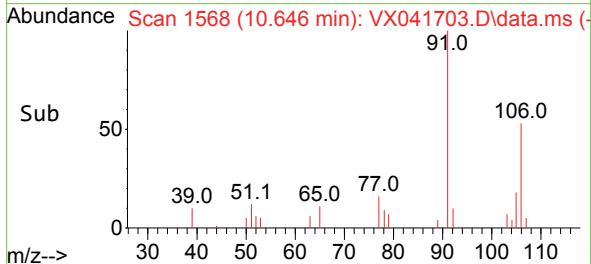
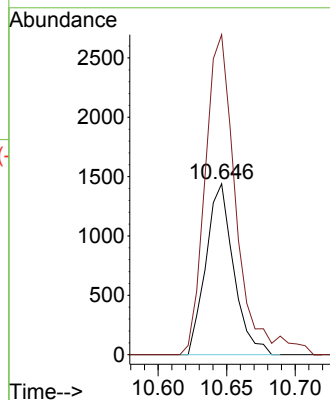
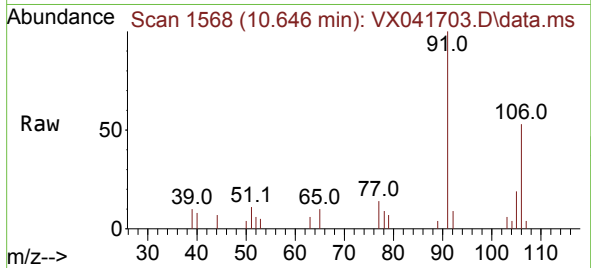




#69
o-Xylene
Concen: 0.691 ug/l
RT: 10.646 min Scan# 11
Delta R.T. 0.006 min
Lab File: VX041703.D
Acq: 03 Jun 2024 14:43

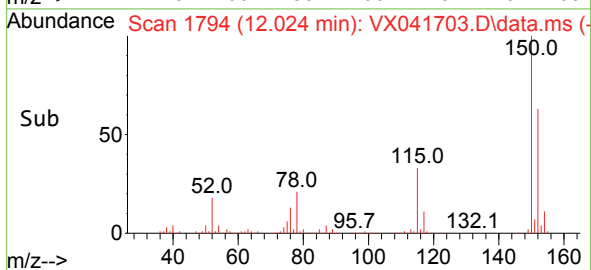
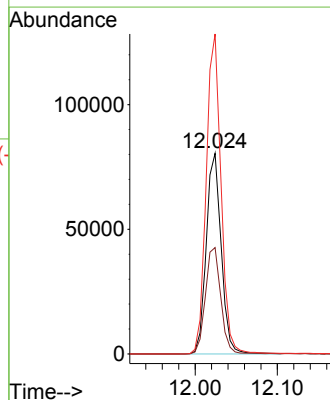
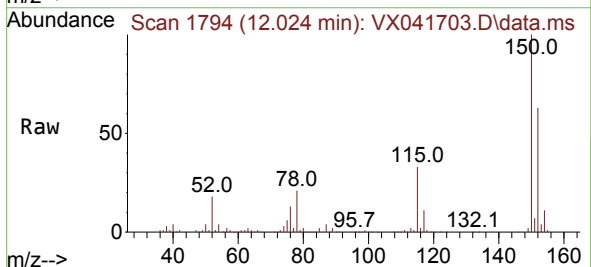
Instrument :
MSVOA_X
ClientSampleId :

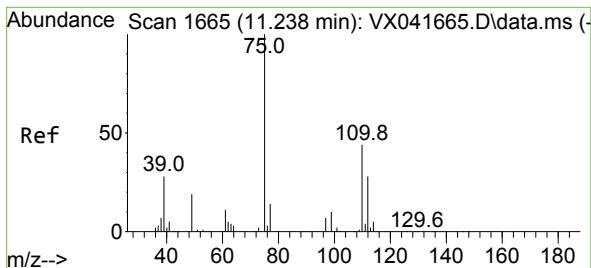
Tgt Ion:106 Resp: 2026
Ion Ratio Lower Upper
106 100
91 209.0 108.9 326.8



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. 0.000 min
Lab File: VX041703.D
Acq: 03 Jun 2024 14:43

Tgt Ion:152 Resp: 101705
Ion Ratio Lower Upper
152 100
115 54.7 43.3 129.9
150 158.0 0.0 345.0





#76

1,2,3-Trichloropropane

Concen: 27.238 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. -0.158 min

Lab File: VX041703.D

Acq: 03 Jun 2024 14:43

Instrument :

MSVOA_X

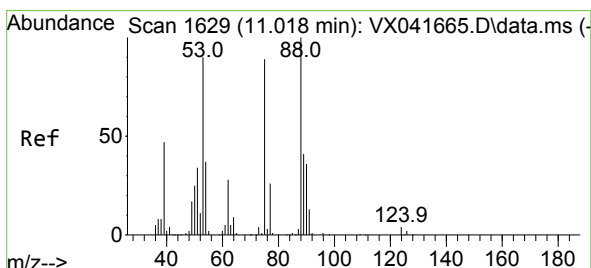
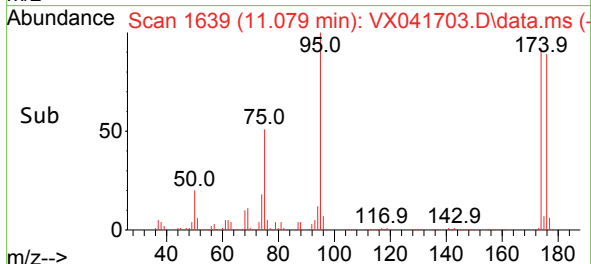
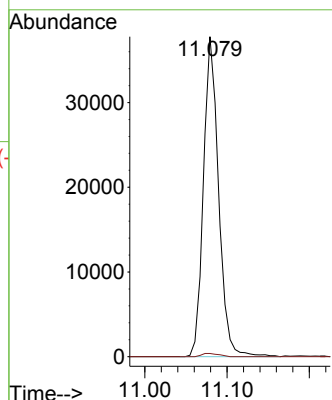
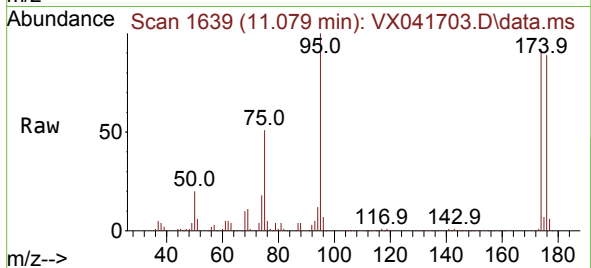
ClientSampleId :

Tgt Ion: 75 Resp: 48334

Ion Ratio Lower Upper

75 100

77 1.2 19.1 57.5#



#81

trans-1,4-Dichloro-2-butene

Concen: 74.236 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. 0.061 min

Lab File: VX041703.D

Acq: 03 Jun 2024 14:43

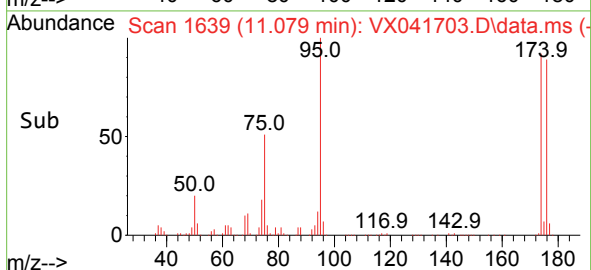
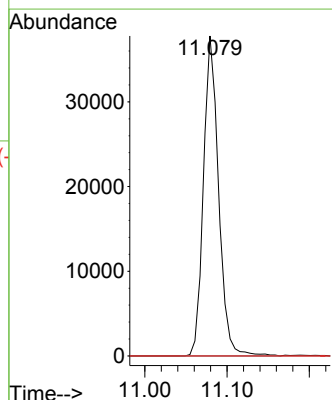
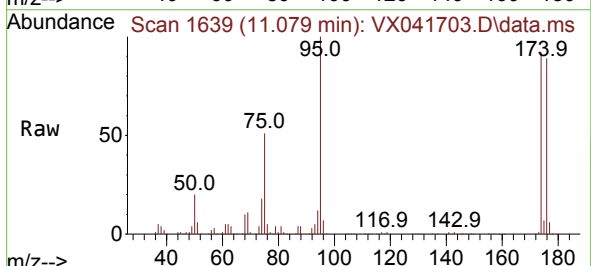
Tgt Ion: 75 Resp: 48334

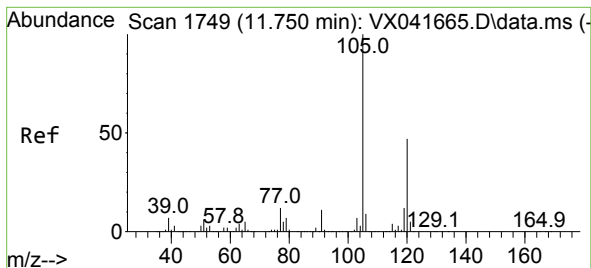
Ion Ratio Lower Upper

75 100

53 0.0 90.5 135.7#

89 0.0 36.9 55.3#





#84

1,2,4-Trimethylbenzene

Concen: 0.360 ug/l

RT: 11.756 min Scan# 1750

Delta R.T. 0.006 min

Lab File: VX041703.D

Acq: 03 Jun 2024 14:43

Instrument :

MSVOA_X

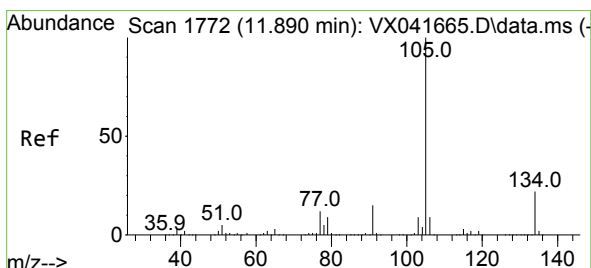
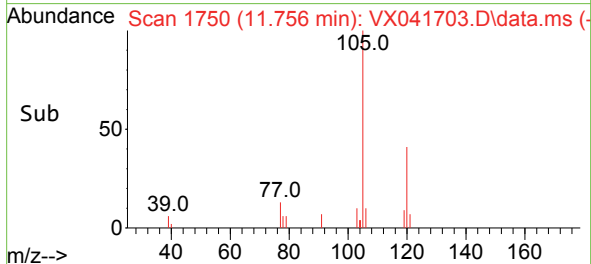
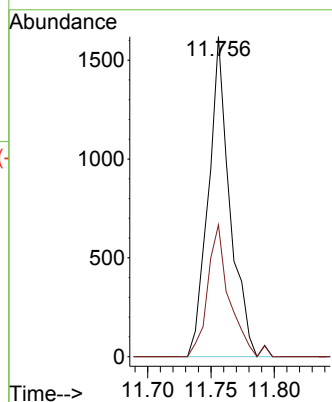
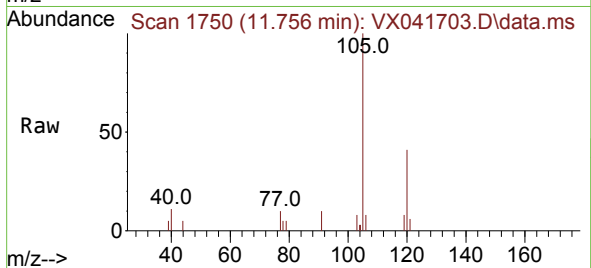
ClientSampleId :

Tgt Ion:105 Resp: 1922

Ion Ratio Lower Upper

105 100

120 41.5 21.2 63.6



#85

sec-Butylbenzene

Concen: 0.295 ug/l

RT: 11.756 min Scan# 1750

Delta R.T. -0.134 min

Lab File: VX041703.D

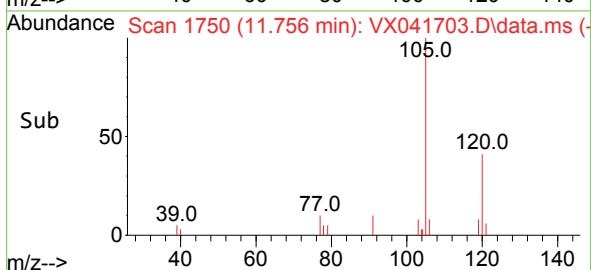
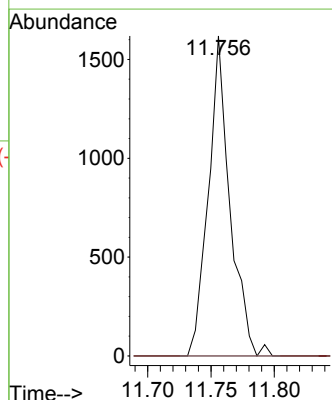
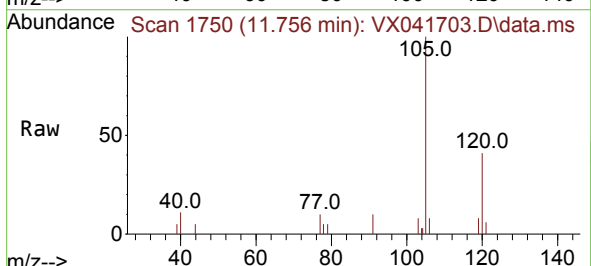
Acq: 03 Jun 2024 14:43

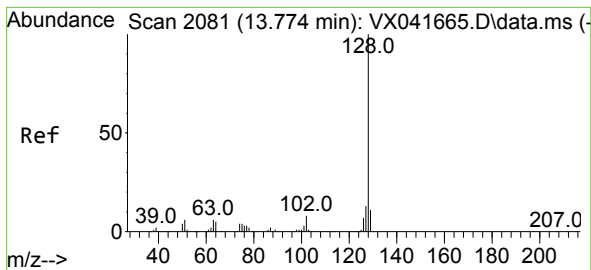
Tgt Ion:105 Resp: 1922

Ion Ratio Lower Upper

105 100

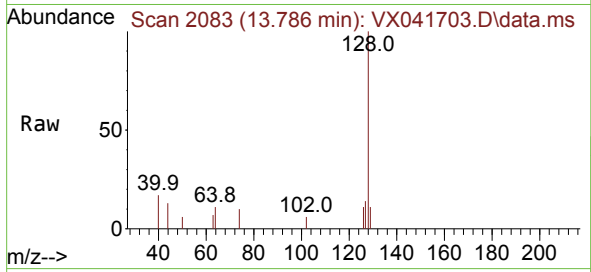
134 0.0 9.8 29.4#





#95
Naphthalene
Concen: 0.269 ug/l
RT: 13.786 min Scan# 2083
Delta R.T. 0.012 min
Lab File: VX041703.D
Acq: 03 Jun 2024 14:43

Instrument :
MSVOA_X
ClientSampleId :



Tgt Ion:	128	Resp:	1770
Ion	Ratio	Lower	Upper
128	100		
127	11.2	10.3	15.5
129	9.8	8.8	13.2

