

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX060324\
 Data File : VX041712.D
 Acq On : 03 Jun 2024 18:14
 Operator : JC/MD
 Sample : P2687-06
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

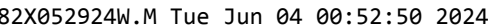
Quant Time: Jun 04 00:52:36 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X052924W.M
 Quant Title : SW846 8260
 QLast Update : Thu May 30 07:36:24 2024
 Response via : Initial Calibration

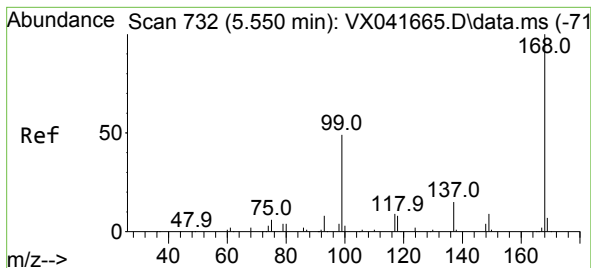
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Pentafluorobenzene	5.550	168	136853	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	6.763	114	207171	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	206167	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	101855	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	78832	46.967	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery =	93.940%		
35) Dibromofluoromethane	5.385	113	65182	45.506	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	91.020%		
50) Toluene-d8	8.647	98	248277	49.607	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery =	99.220%		
62) 4-Bromofluorobenzene	11.079	95	94037	50.908	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	101.820%		
Target Compounds						
						Qvalue
5) Bromomethane	1.599	94	246	0.262	ug/l	# 17
11) Tert butyl alcohol	2.995	59	853	2.873	ug/l	# 85
13) Acrolein	2.209	56	102	0.369	ug/l	# 14
14) Allyl chloride	2.654	41	1410	0.703	ug/l	# 46
16) Acetone	2.392	43	86418	116.000	ug/l	97
18) Methyl Acetate	2.715	43	3350	2.090	ug/l	92
20) Methylene Chloride	2.782	84	3663	2.439	ug/l	99
25) 2-Butanone	4.581	43	20228	19.391	ug/l	96
29) Tetrahydrofuran	5.032	42	3292	5.004	ug/l	# 64
31) Cyclohexane	5.550	56	2437	1.230	ug/l	# 1
36) 1,1-Dichloropropene	5.544	75	8897	5.130	ug/l	# 51
37) Ethyl Acetate	4.745	43	3152	1.440	ug/l	# 76
38) Carbon Tetrachloride	5.550	117	12321	6.253	ug/l	# 16
41) Methacrylonitrile	5.032	41	1968	1.838	ug/l	# 51
42) 1,2-Dichloroethane	6.355	62	461	0.228	ug/l	# 77
43) Isopropyl Acetate	6.348	43	110798	33.528	ug/l	99
48) Methyl methacrylate	7.799	41	99620	62.772	ug/l	# 48
49) 1,4-Dioxane	7.684	88	64	1.846	ug/l	# 1
51) 4-Methyl-2-Pentanone	8.549	43	95165	44.409	ug/l	# 47
53) t-1,3-Dichloropropene	8.952	75	510	0.283	ug/l	# 43
54) cis-1,3-Dichloropropene	8.549	75	37770	18.948	ug/l	# 59
57) 1,3-Dichloropropane	9.482	76	4705	2.043	ug/l	# 42
59) 2-Hexanone	9.482	43	69327	42.434	ug/l	# 52
67) Ethyl Benzene	10.195	91	1481	0.210	ug/l	98
68) m/p-Xylenes	10.305	106	984	0.351	ug/l	96
74) N-amyl acetate	10.811	43	868	0.310	ug/l	# 44
76) 1,2,3-Trichloropropane	11.079	75	47933	26.972	ug/l	# 39
81) trans-1,4-Dichloro-2-b...	11.079	75	47933	73.511	ug/l	# 5

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

Quant Time: Jun 04 00:52:36 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: VX041712.D

Acq: 03 Jun 2024 18:14

Instrument :

MSVOA_X

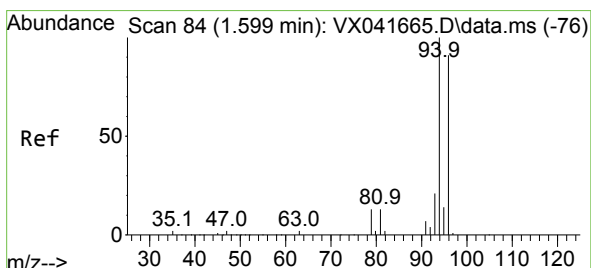
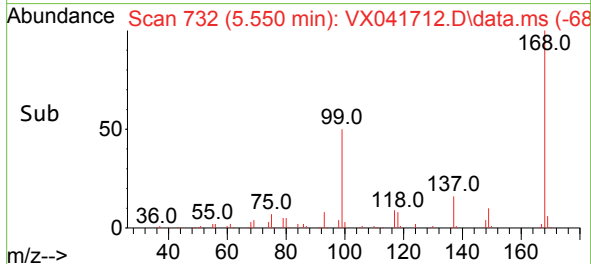
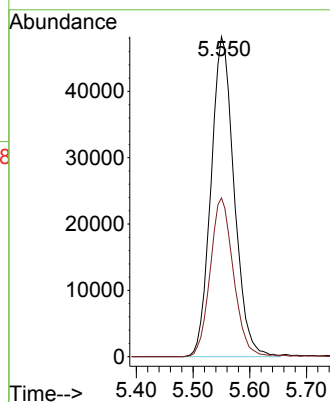
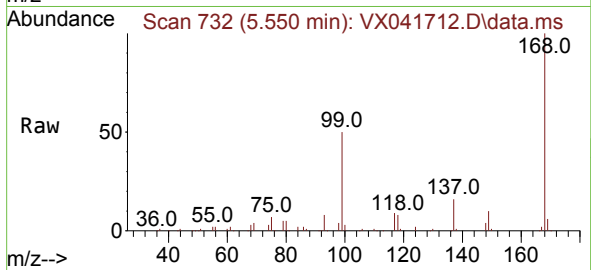
ClientSampleId :

Tgt Ion:168 Resp: 136853

Ion Ratio Lower Upper

168 100

99 49.6 56.6 85.0#



#5

Bromomethane

Concen: 0.262 ug/l

RT: 1.599 min Scan# 84

Delta R.T. 0.000 min

Lab File: VX041712.D

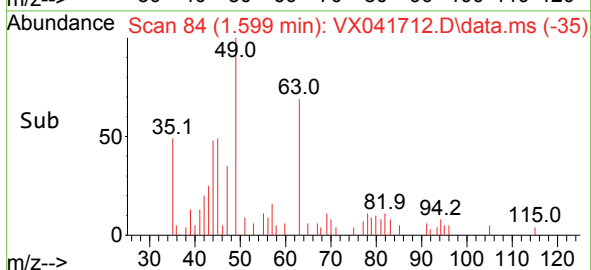
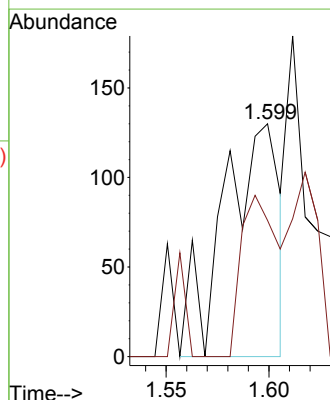
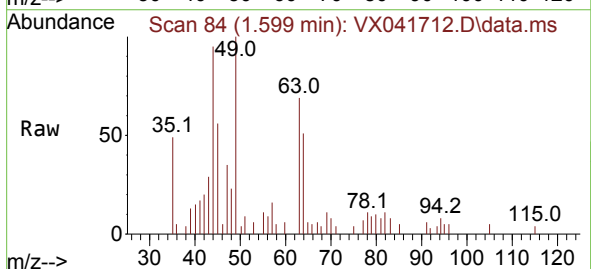
Acq: 03 Jun 2024 18:14

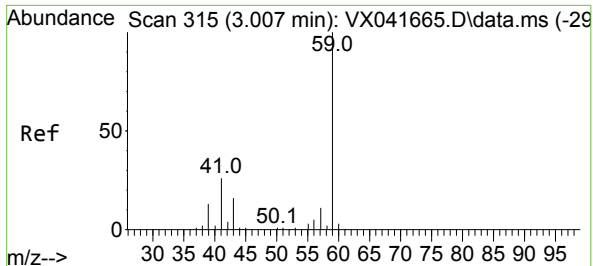
Tgt Ion: 94 Resp: 246

Ion Ratio Lower Upper

94 100

96 13.8 74.6 111.8#





#11

Tert butyl alcohol

Concen: 2.873 ug/l

RT: 2.995 min Scan# 31

Delta R.T. -0.012 min

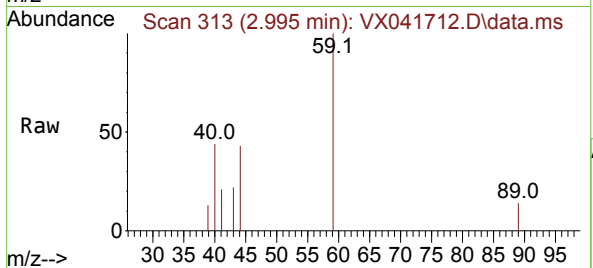
Lab File: VX041712.D

Acq: 03 Jun 2024 18:14

Instrument :

MSVOA_X

ClientSampleId :

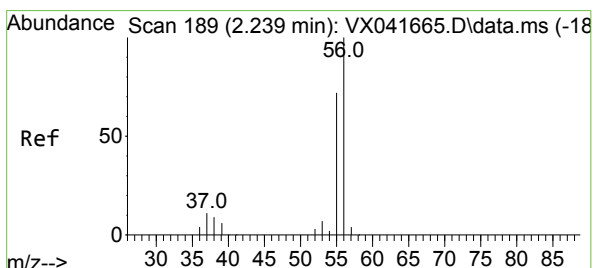
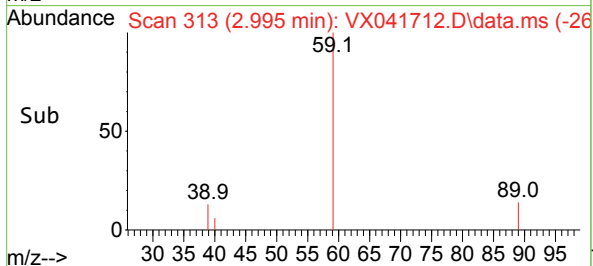
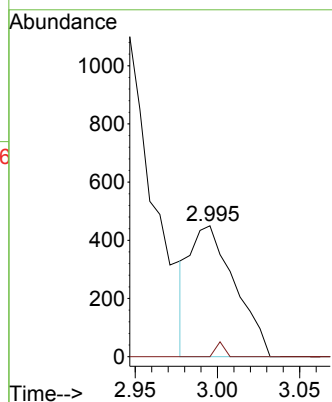


Tgt Ion: 59 Resp: 853

Ion Ratio Lower Upper

59 100

57 2.2 6.0 9.0#



#13

Acrolein

Concen: 0.369 ug/l

RT: 2.209 min Scan# 184

Delta R.T. -0.030 min

Lab File: VX041712.D

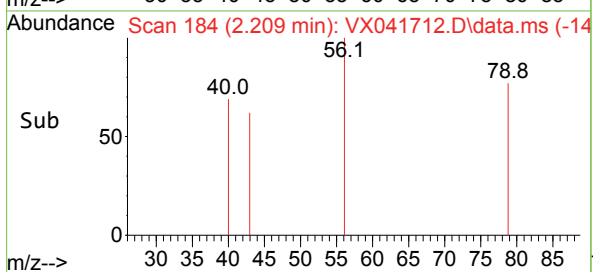
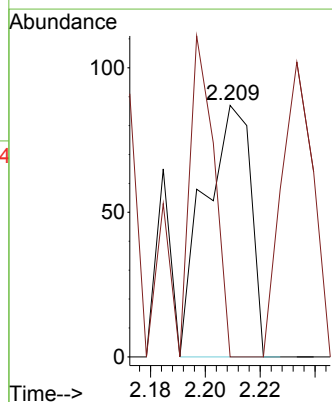
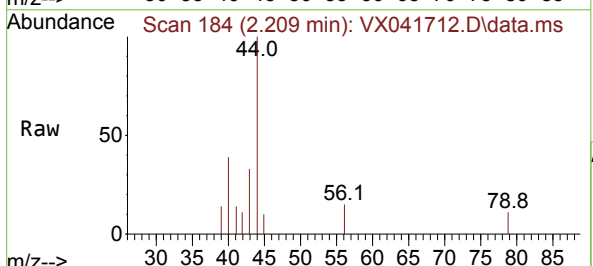
Acq: 03 Jun 2024 18:14

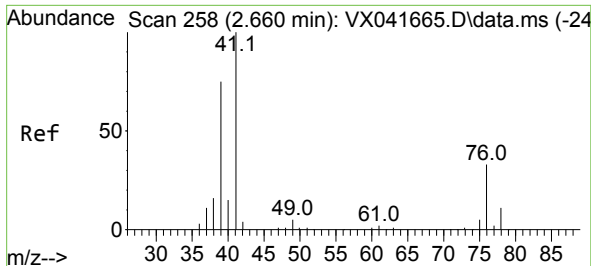
Tgt Ion: 56 Resp: 102

Ion Ratio Lower Upper

56 100

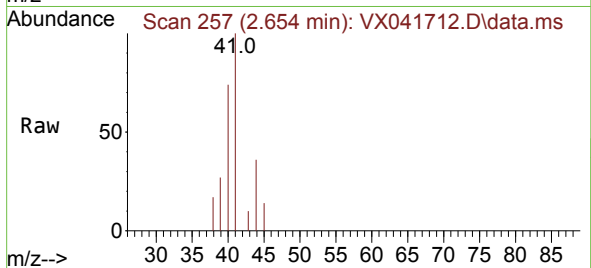
55 0.0 57.1 85.7#



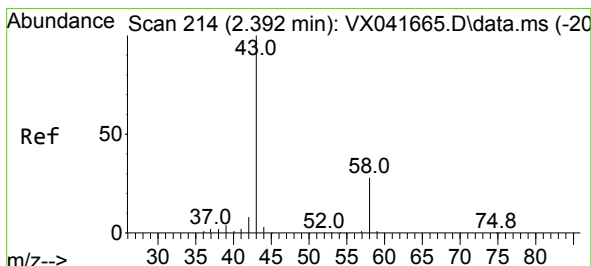
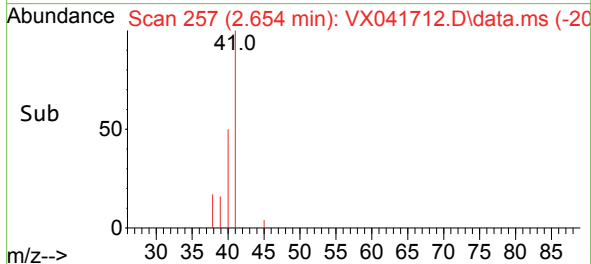
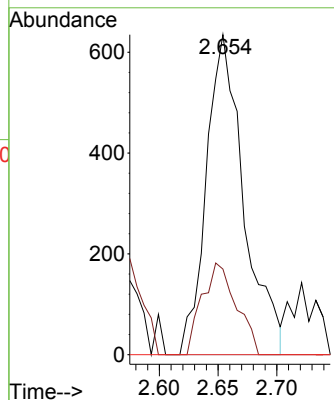


#14
 Allyl chloride
 Concen: 0.703 ug/l
 RT: 2.654 min Scan# 214
 Delta R.T. -0.006 min
 Lab File: VX041712.D
 Acq: 03 Jun 2024 18:14

Instrument :
 MSVOA_X
 ClientSampleId :

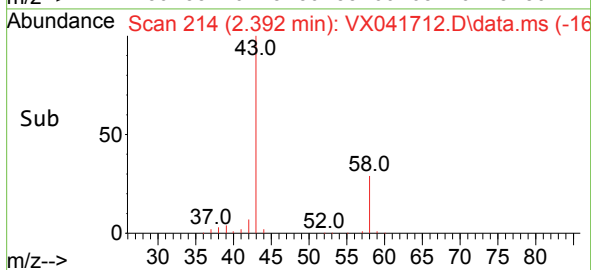
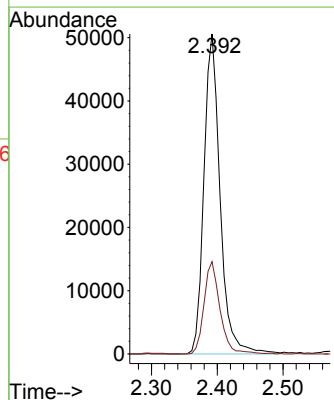
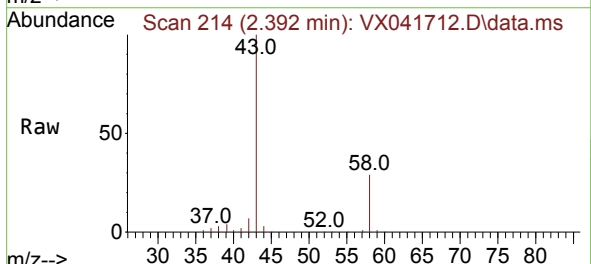


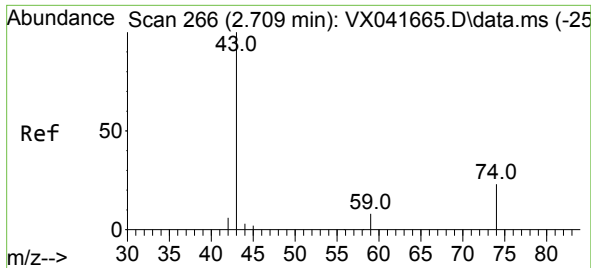
Tgt Ion: 41 Resp: 1410
 Ion Ratio Lower Upper
 41 100
 39 26.2 55.8 83.6#
 76 0.0 24.3 36.5#



#16
 Acetone
 Concen: 116.000 ug/l
 RT: 2.392 min Scan# 214
 Delta R.T. -0.000 min
 Lab File: VX041712.D
 Acq: 03 Jun 2024 18:14

Tgt Ion: 43 Resp: 86418
 Ion Ratio Lower Upper
 43 100
 58 28.9 21.9 32.9





#18

Methyl Acetate

Concen: 2.090 ug/l

RT: 2.715 min Scan# 2

Delta R.T. 0.006 min

Lab File: VX041712.D

Acq: 03 Jun 2024 18:14

Instrument :

MSVOA_X

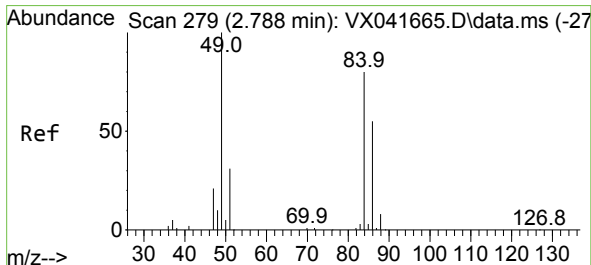
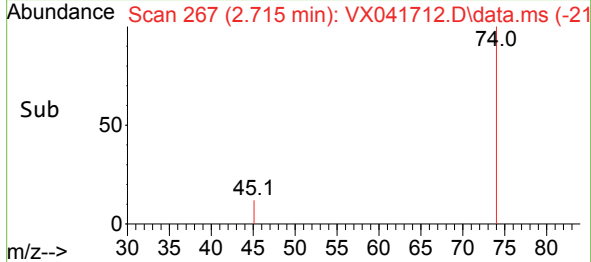
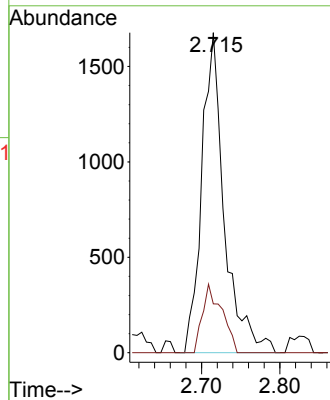
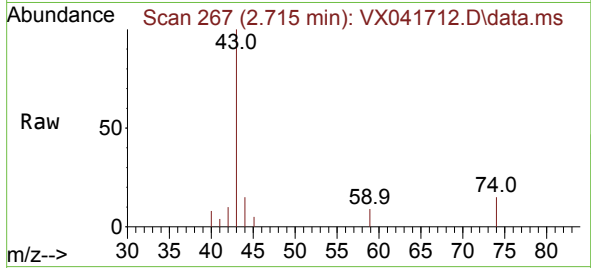
ClientSampleId :

Tgt Ion: 43 Resp: 3350

Ion Ratio Lower Upper

43 100

74 18.5 17.8 26.8



#20

Methylene Chloride

Concen: 2.439 ug/l

RT: 2.782 min Scan# 278

Delta R.T. -0.006 min

Lab File: VX041712.D

Acq: 03 Jun 2024 18:14

Tgt Ion: 84 Resp: 3663

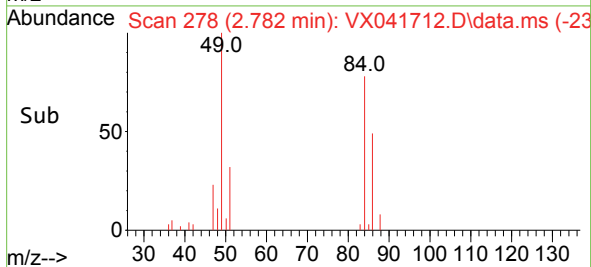
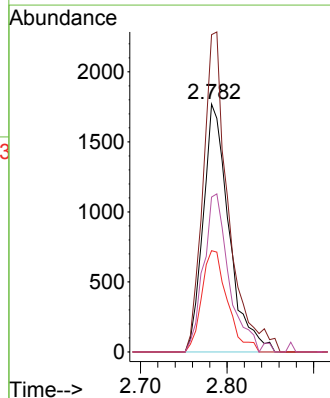
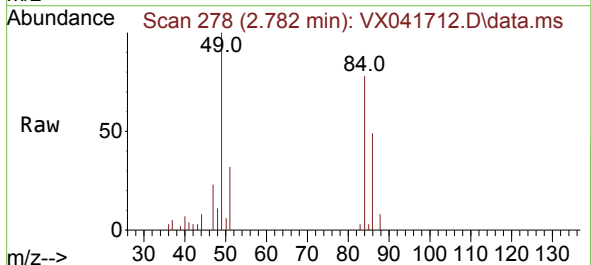
Ion Ratio Lower Upper

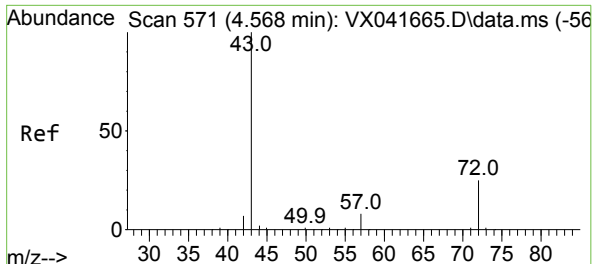
84 100

49 128.0 103.6 155.4

51 40.8 33.8 50.6

86 62.5 49.4 74.0

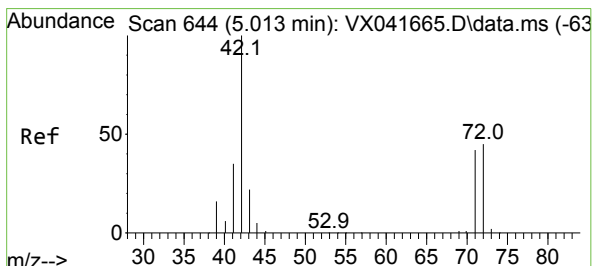
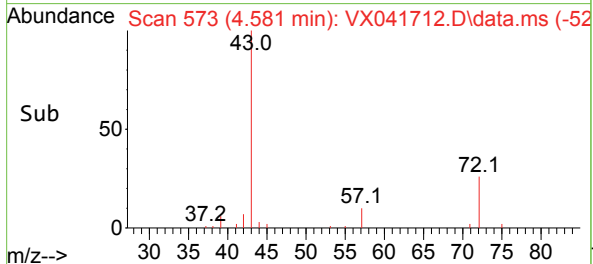
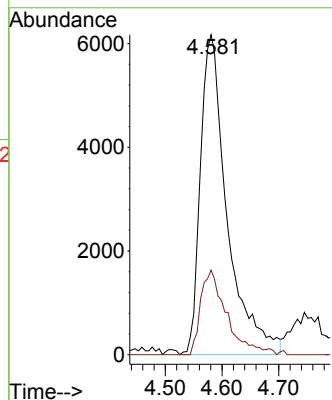
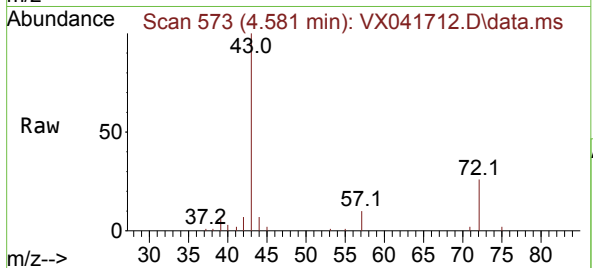




#25
2-Butanone
Concen: 19.391 ug/l
RT: 4.581 min Scan# 51
Delta R.T. 0.012 min
Lab File: VX041712.D
Acq: 03 Jun 2024 18:14

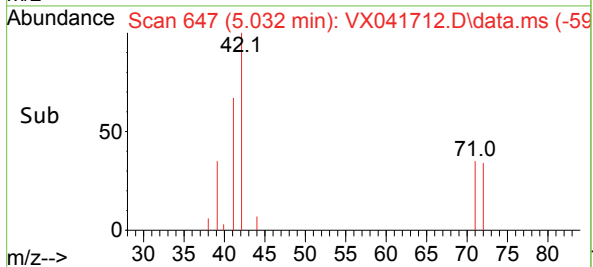
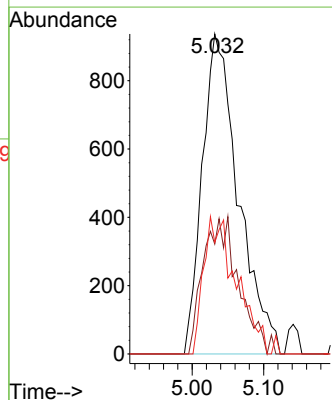
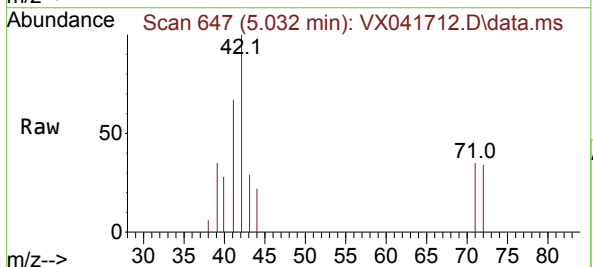
Instrument :
MSVOA_X
ClientSampleId :

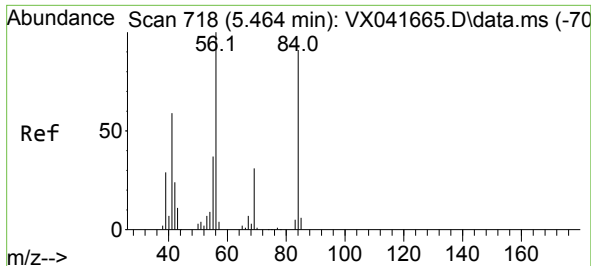
Tgt Ion: 43 Resp: 20228
Ion Ratio Lower Upper
43 100
72 26.4 19.4 29.2



#29
Tetrahydrofuran
Concen: 5.004 ug/l
RT: 5.032 min Scan# 647
Delta R.T. 0.018 min
Lab File: VX041712.D
Acq: 03 Jun 2024 18:14

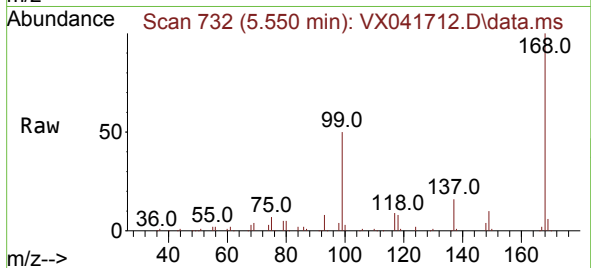
Tgt Ion: 42 Resp: 3292
Ion Ratio Lower Upper
42 100
72 0.0 34.2 51.4#
71 38.7 32.2 48.2



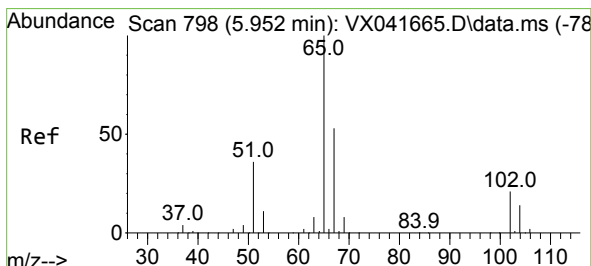
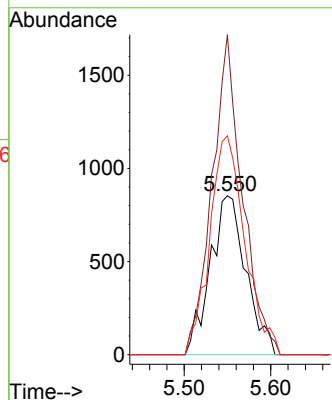
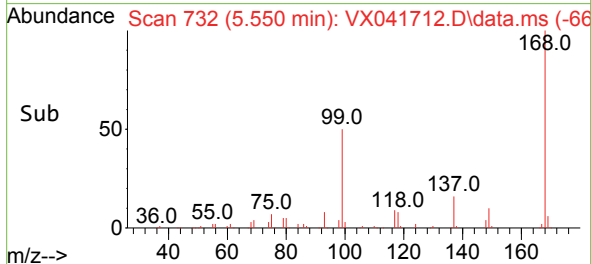


#31
Cyclohexane
Concen: 1.230 ug/l
RT: 5.550 min Scan# 718
Delta R.T. 0.086 min
Lab File: VX041712.D
Acq: 03 Jun 2024 18:14

Instrument :
MSVOA_X
ClientSampleId :

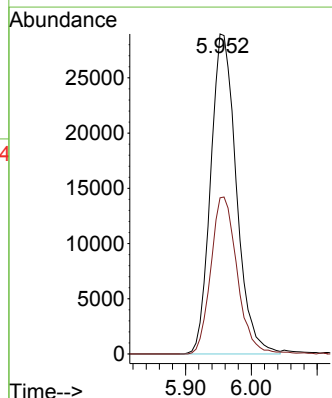
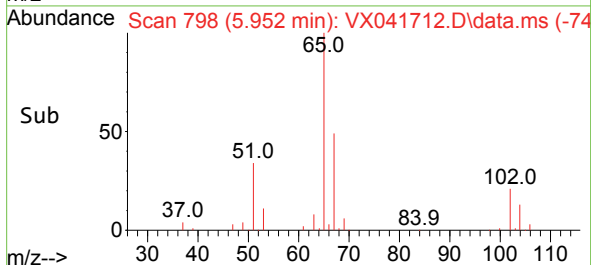
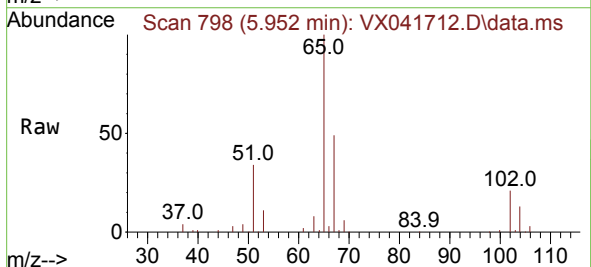


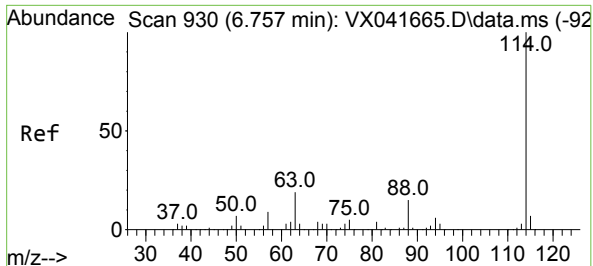
Tgt Ion: 56 Resp: 2437
Ion Ratio Lower Upper
56 100
69 201.4 23.4 35.2#
84 137.7 65.9 98.9#



#33
1,2-Dichloroethane-d4
Concen: 46.967 ug/l
RT: 5.952 min Scan# 798
Delta R.T. 0.000 min
Lab File: VX041712.D
Acq: 03 Jun 2024 18:14

Tgt Ion: 65 Resp: 78832
Ion Ratio Lower Upper
65 100
67 50.3 0.0 100.2

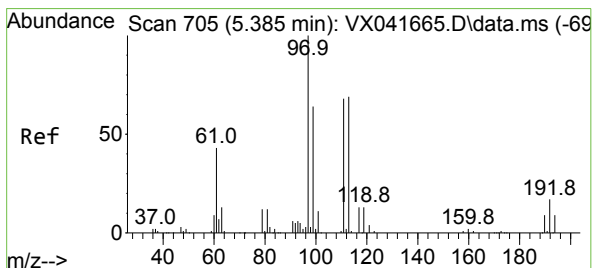
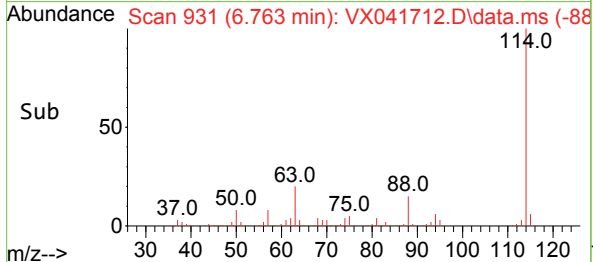
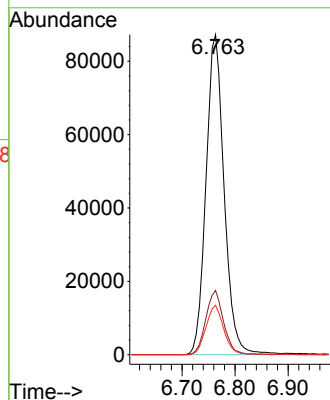
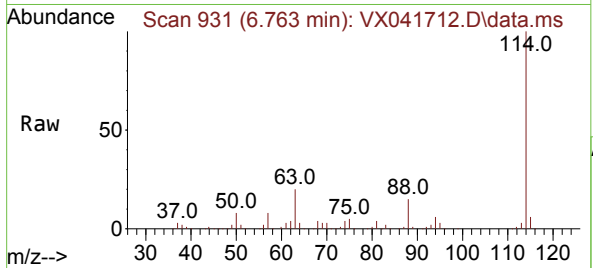




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.763 min Scan# 91
Delta R.T. 0.006 min
Lab File: VX041712.D
Acq: 03 Jun 2024 18:14

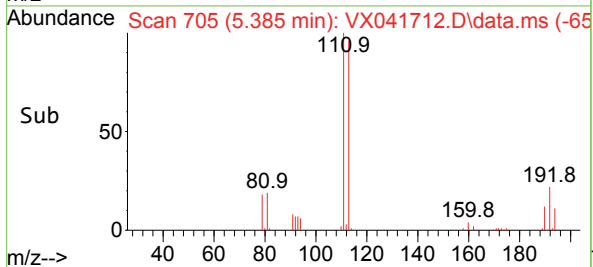
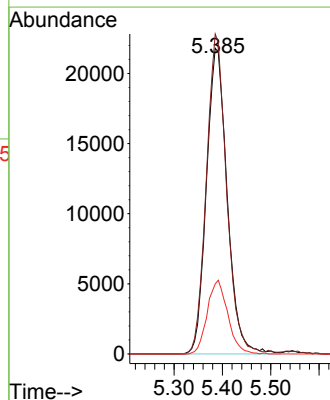
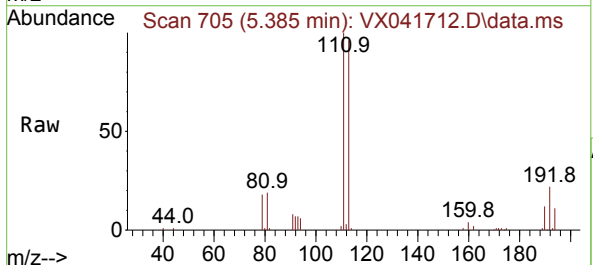
Instrument :
MSVOA_X
ClientSampleId :

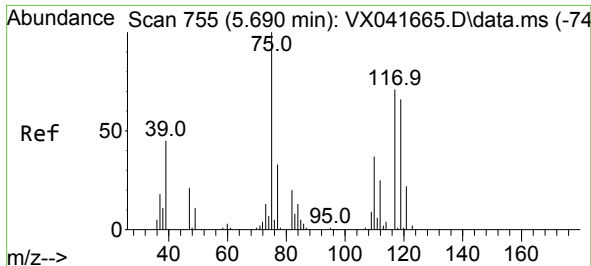
Tgt Ion:114 Resp: 207171
Ion Ratio Lower Upper
114 100
63 20.1 0.0 45.0
88 15.5 0.0 36.6



#35
Dibromofluoromethane
Concen: 45.506 ug/l
RT: 5.385 min Scan# 705
Delta R.T. 0.000 min
Lab File: VX041712.D
Acq: 03 Jun 2024 18:14

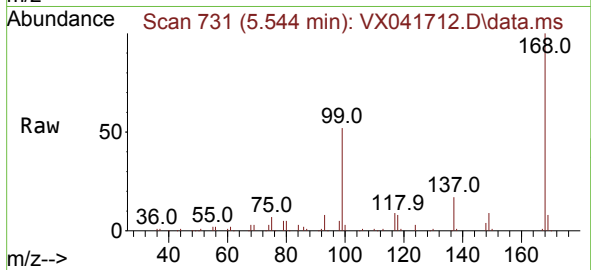
Tgt Ion:113 Resp: 65182
Ion Ratio Lower Upper
113 100
111 101.6 82.9 124.3
192 23.8 13.3 19.9#



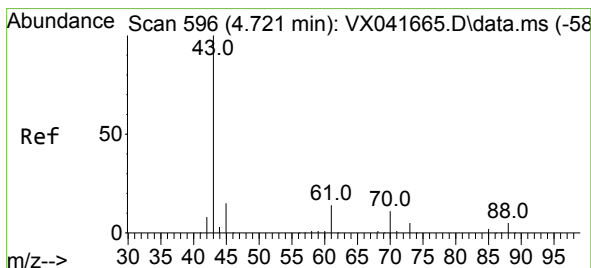
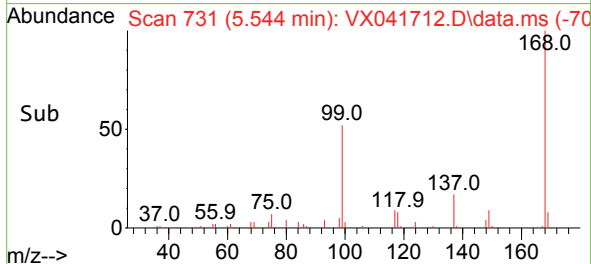
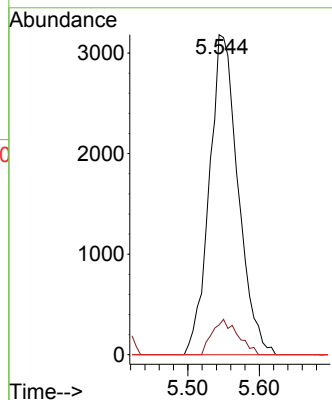


#36
1,1-Dichloropropene
Concen: 5.130 ug/l
RT: 5.544 min Scan# 71
Delta R.T. -0.146 min
Lab File: VX041712.D
Acq: 03 Jun 2024 18:14

Instrument :
MSVOA_X
ClientSampleId :

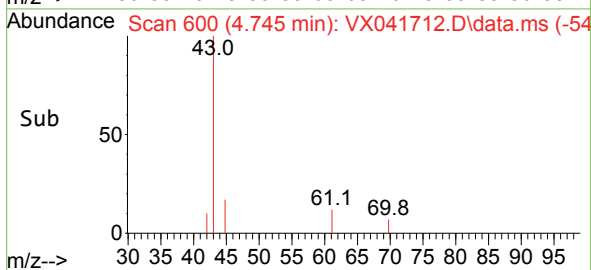
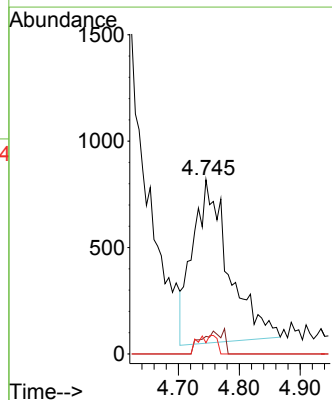
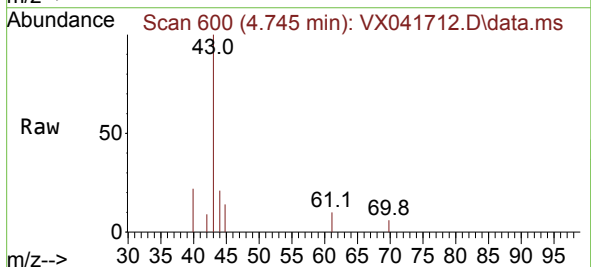


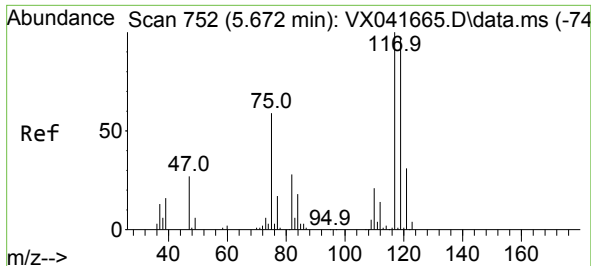
Tgt Ion: 75 Resp: 8897
Ion Ratio Lower Upper
75 100
110 9.9 17.0 50.9#
77 0.0 24.7 37.1#



#37
Ethyl Acetate
Concen: 1.440 ug/l
RT: 4.745 min Scan# 600
Delta R.T. 0.025 min
Lab File: VX041712.D
Acq: 03 Jun 2024 18:14

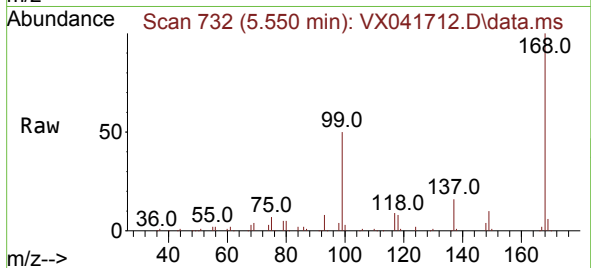
Tgt Ion: 43 Resp: 3152
Ion Ratio Lower Upper
43 100
61 0.0 10.6 16.0#
70 5.9 8.3 12.5#



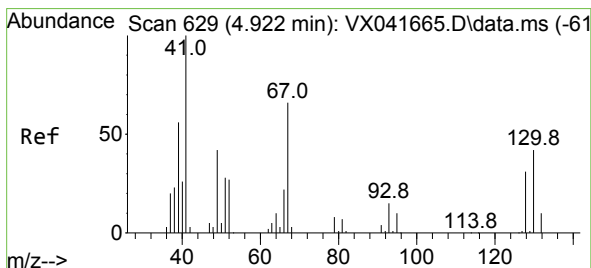
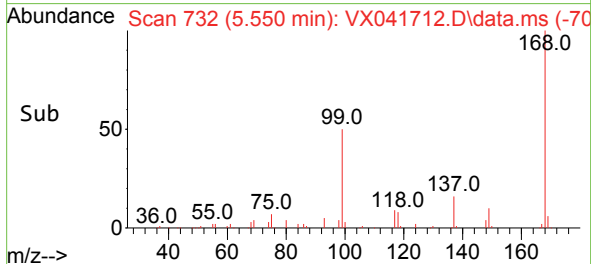
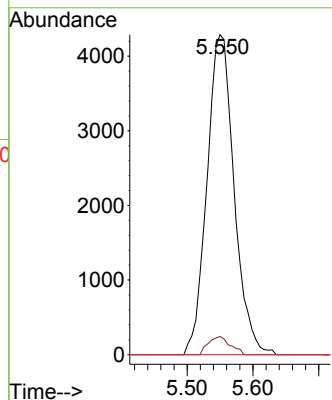


#38
Carbon Tetrachloride
Concen: 6.253 ug/l
RT: 5.550 min Scan# 71
Delta R.T. -0.122 min
Lab File: VX041712.D
Acq: 03 Jun 2024 18:14

Instrument :
MSVOA_X
ClientSampleId :

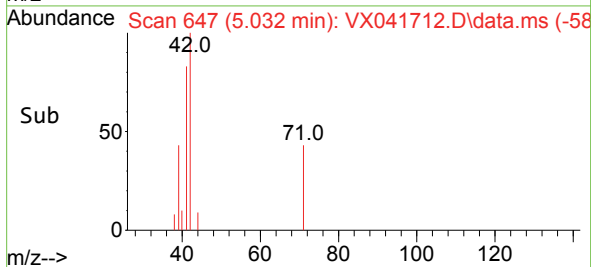
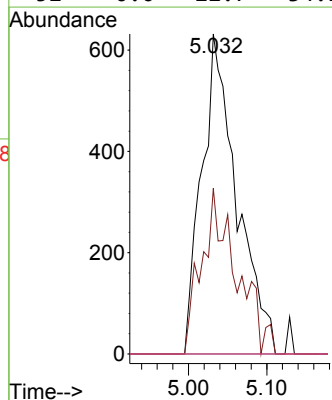
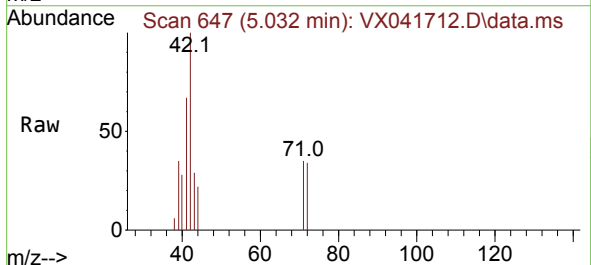


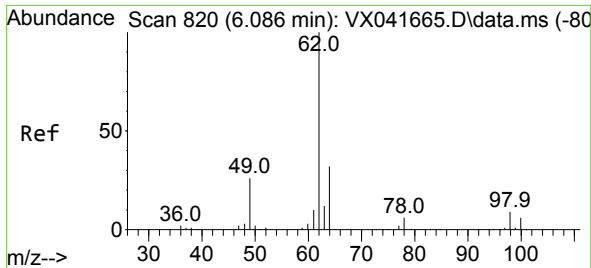
Tgt Ion:117 Resp: 12321
Ion Ratio Lower Upper
117 100
119 5.7 78.2 117.2#
121 0.0 24.4 36.6#



#41
Methacrylonitrile
Concen: 1.838 ug/l
RT: 5.032 min Scan# 647
Delta R.T. 0.110 min
Lab File: VX041712.D
Acq: 03 Jun 2024 18:14

Tgt Ion: 41 Resp: 1968
Ion Ratio Lower Upper
41 100
39 51.5 45.2 67.8
67 0.0 52.6 78.8#
52 0.0 22.7 34.1#





#42

1,2-Dichloroethane

Concen: 0.228 ug/l

RT: 6.355 min Scan# 80

Delta R.T. 0.268 min

Lab File: VX041712.D

Acq: 03 Jun 2024 18:14

Instrument :

MSVOA_X

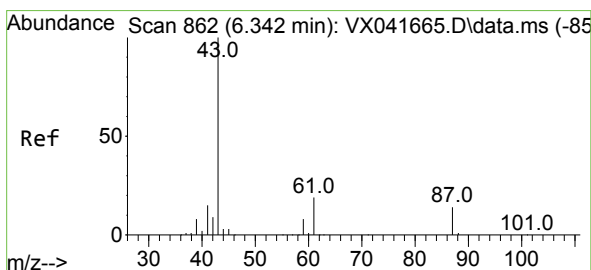
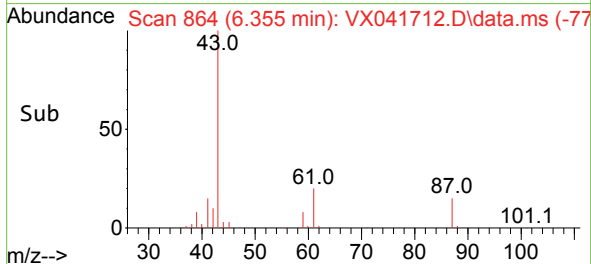
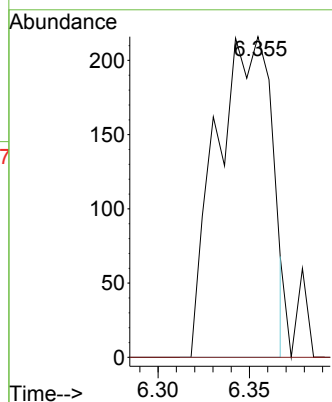
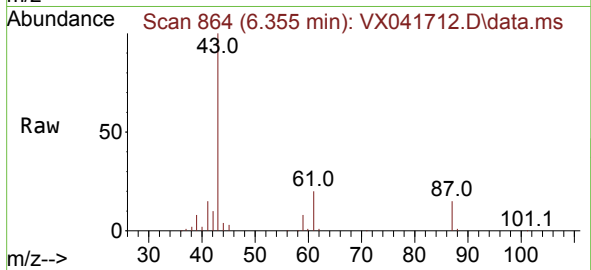
ClientSampleId :

Tgt Ion: 62 Resp: 461

Ion Ratio Lower Upper

62 100

98 0.0 0.0 16.0



#43

Isopropyl Acetate

Concen: 33.528 ug/l

RT: 6.348 min Scan# 863

Delta R.T. 0.006 min

Lab File: VX041712.D

Acq: 03 Jun 2024 18:14

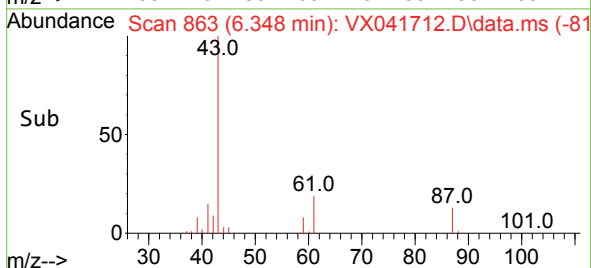
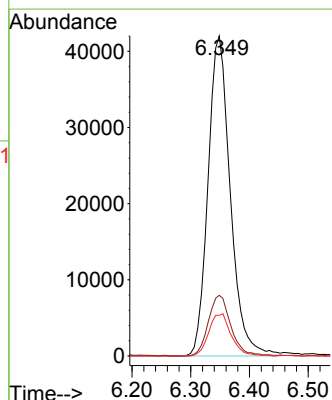
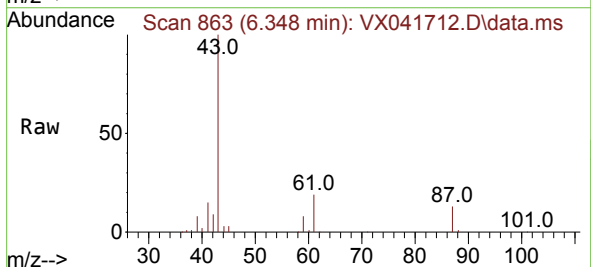
Tgt Ion: 43 Resp: 110798

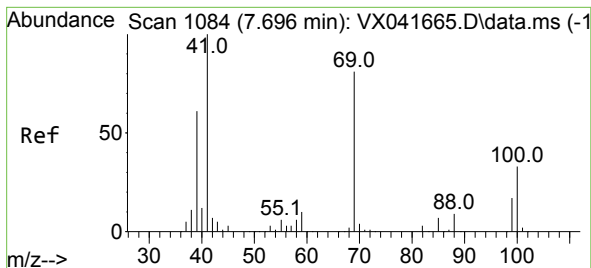
Ion Ratio Lower Upper

43 100

61 19.2 15.2 22.8

87 13.2 9.8 14.6





#48

Methyl methacrylate

Concen: 62.772 ug/l

RT: 7.799 min Scan# 1101

Delta R.T. 0.104 min

Lab File: VX041712.D

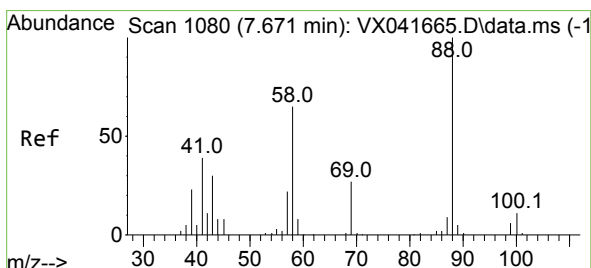
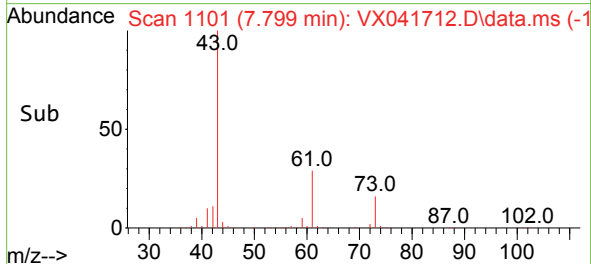
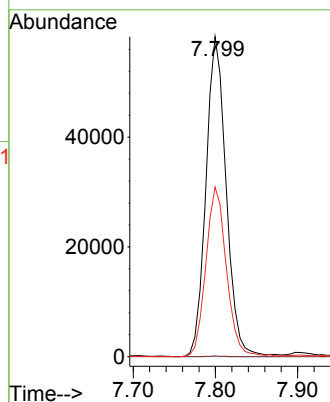
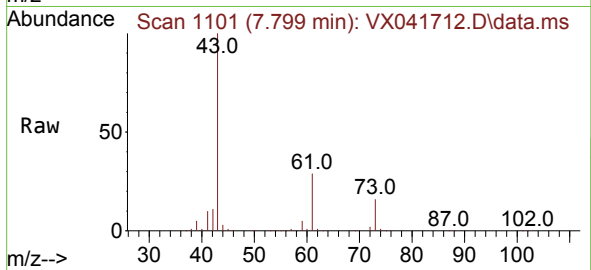
Acq: 03 Jun 2024 18:14

Instrument :

MSVOA_X

ClientSampleId :

Tgt Ion:	41	Resp:	99620
Ion	Ratio	Lower	Upper
41	100		
69	0.2	59.2	88.8#
39	54.0	47.7	71.5



#49

1,4-Dioxane

Concen: 1.846 ug/l

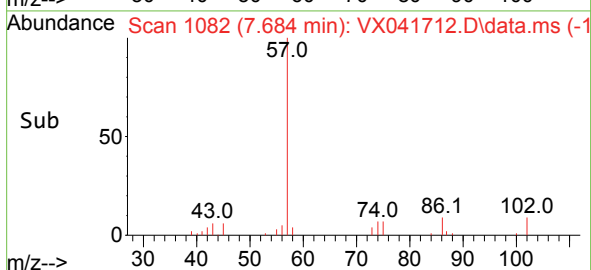
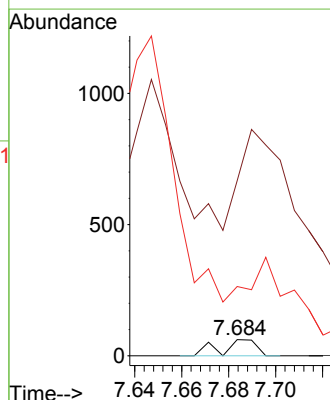
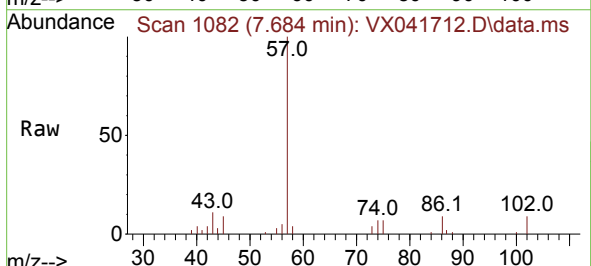
RT: 7.684 min Scan# 1082

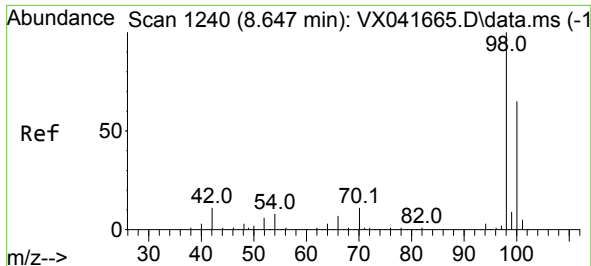
Delta R.T. 0.012 min

Lab File: VX041712.D

Acq: 03 Jun 2024 18:14

Tgt Ion:	88	Resp:	64
Ion	Ratio	Lower	Upper
88	100		
43	0.0	0.0	0.0
58	803.1	60.1	90.1#

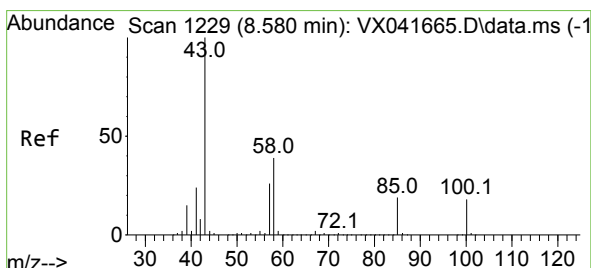
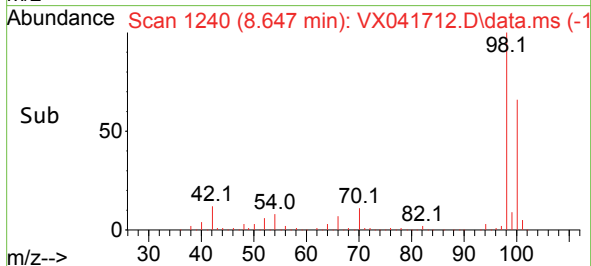
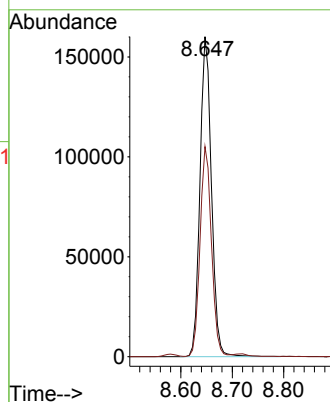
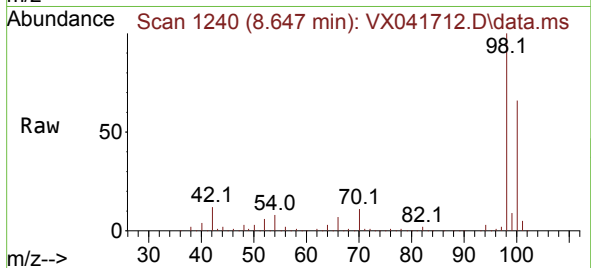




#50
Toluene-d8
Concen: 49.607 ug/l
RT: 8.647 min Scan# 11
Delta R.T. 0.000 min
Lab File: VX041712.D
Acq: 03 Jun 2024 18:14

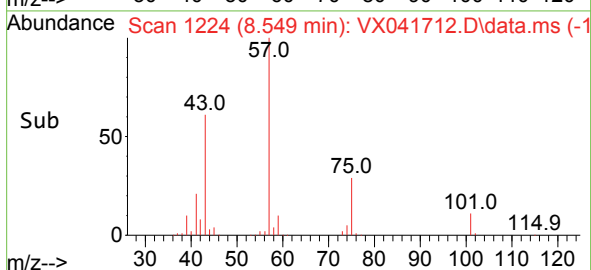
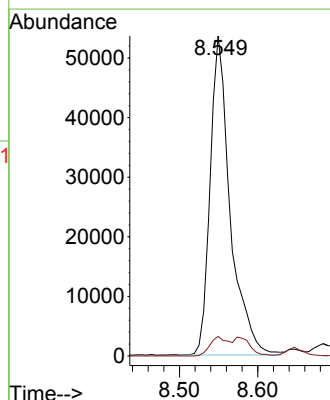
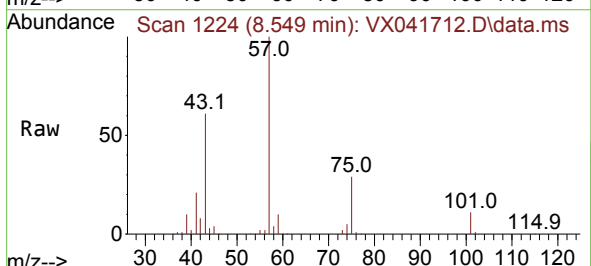
Instrument :
MSVOA_X
ClientSampleId :

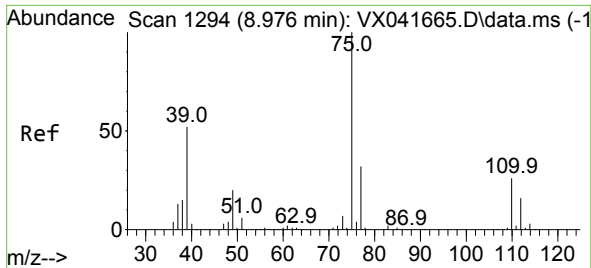
Tgt Ion: 98 Resp: 248277
Ion Ratio Lower Upper
98 100
100 65.2 53.1 79.7



#51
4-Methyl-2-Pentanone
Concen: 44.409 ug/l
RT: 8.549 min Scan# 1224
Delta R.T. -0.030 min
Lab File: VX041712.D
Acq: 03 Jun 2024 18:14

Tgt Ion: 43 Resp: 95165
Ion Ratio Lower Upper
43 100
58 5.9 30.4 45.6#

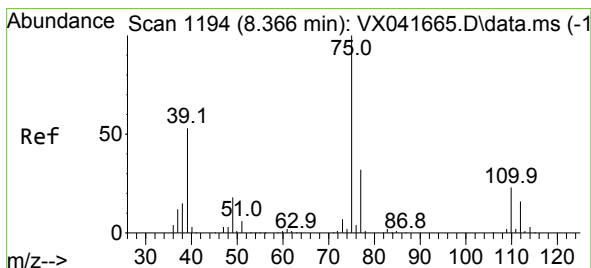
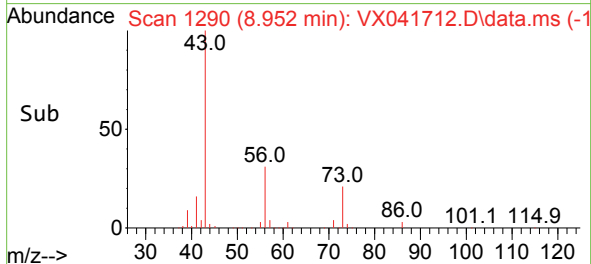
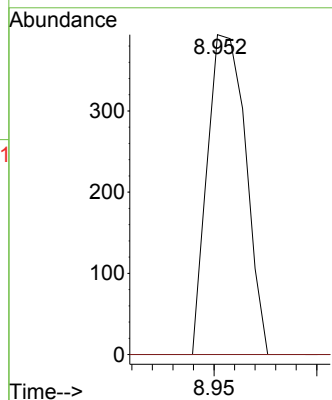
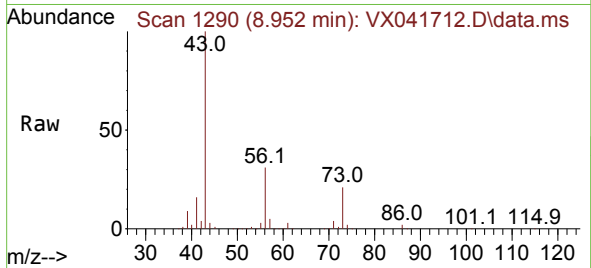




#53
 t-1,3-Dichloropropene
 Concen: 0.283 ug/l
 RT: 8.952 min Scan# 11
 Delta R.T. -0.024 min
 Lab File: VX041712.D
 Acq: 03 Jun 2024 18:14

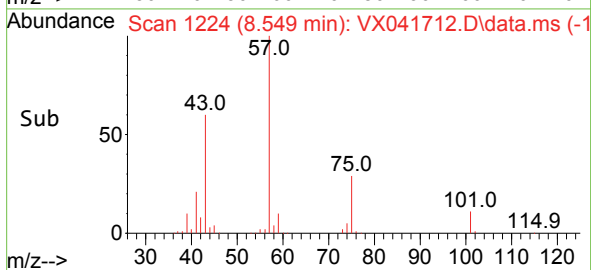
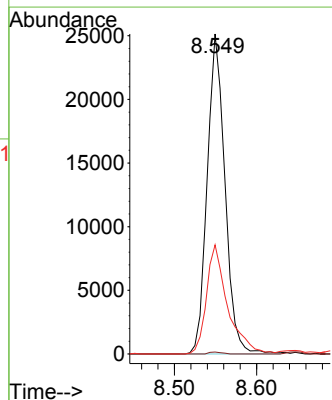
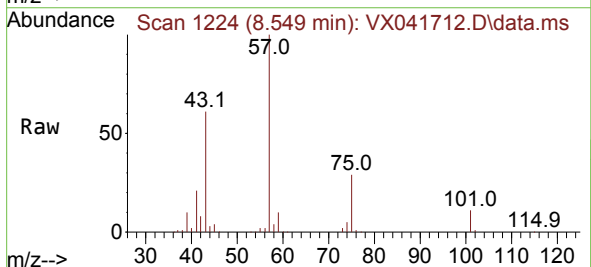
Instrument :
 MSVOA_X
 ClientSampleId :

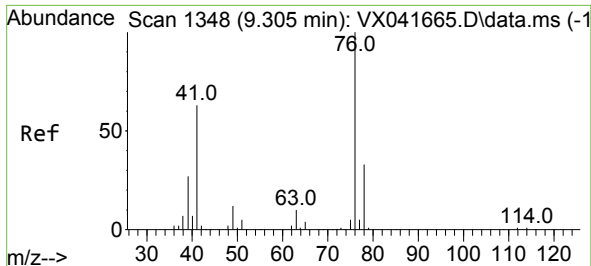
Tgt Ion: 75 Resp: 510
 Ion Ratio Lower Upper
 75 100
 77 0.0 25.7 38.5#



#54
 cis-1,3-Dichloropropene
 Concen: 18.948 ug/l
 RT: 8.549 min Scan# 1224
 Delta R.T. 0.183 min
 Lab File: VX041712.D
 Acq: 03 Jun 2024 18:14

Tgt Ion: 75 Resp: 37770
 Ion Ratio Lower Upper
 75 100
 77 0.6 25.3 37.9#
 39 34.1 46.7 70.1#





#57

1,3-Dichloropropane

Concen: 2.043 ug/l

RT: 9.482 min Scan# 1377

Delta R.T. 0.177 min

Lab File: VX041712.D

Acq: 03 Jun 2024 18:14

Instrument :

MSVOA_X

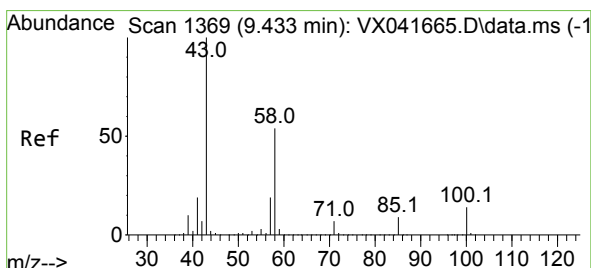
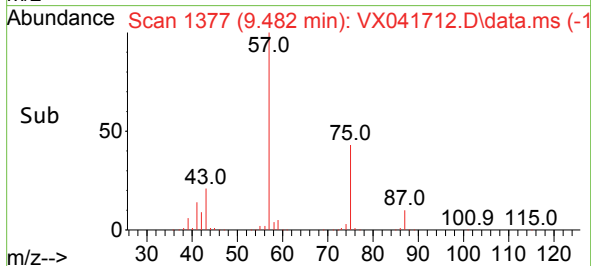
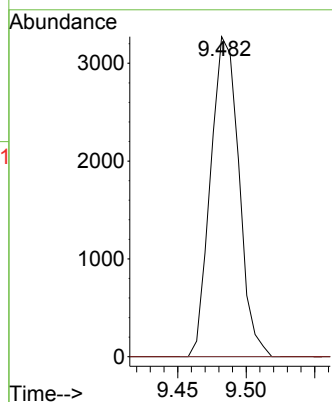
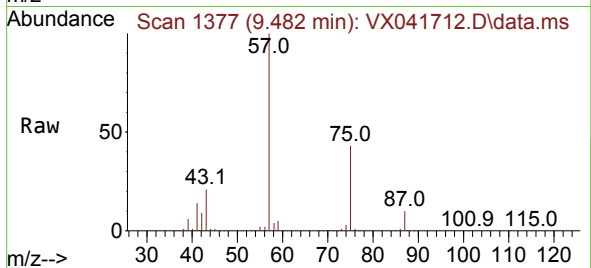
ClientSampleId :

Tgt Ion: 76 Resp: 4705

Ion Ratio Lower Upper

76 100

78 0.0 26.1 39.1#



#59

2-Hexanone

Concen: 42.434 ug/l

RT: 9.482 min Scan# 1377

Delta R.T. 0.049 min

Lab File: VX041712.D

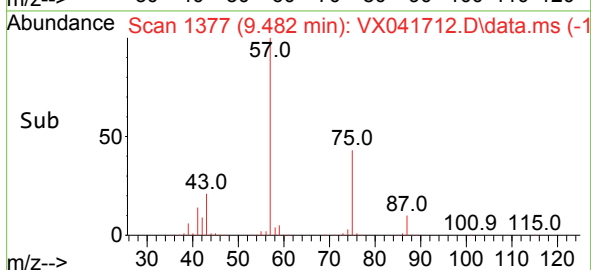
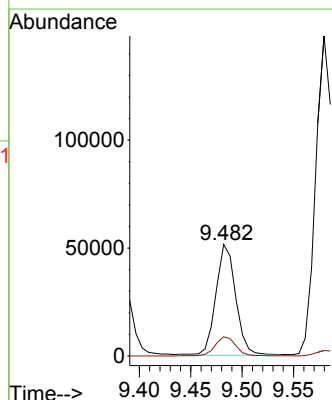
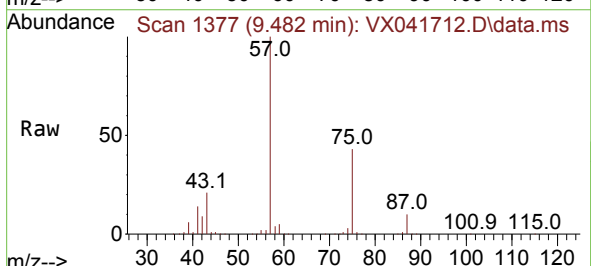
Acq: 03 Jun 2024 18:14

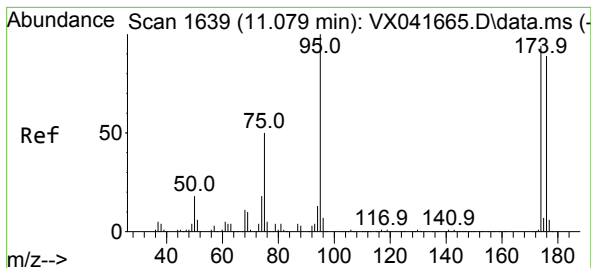
Tgt Ion: 43 Resp: 69327

Ion Ratio Lower Upper

43 100

58 18.3 26.2 78.5#

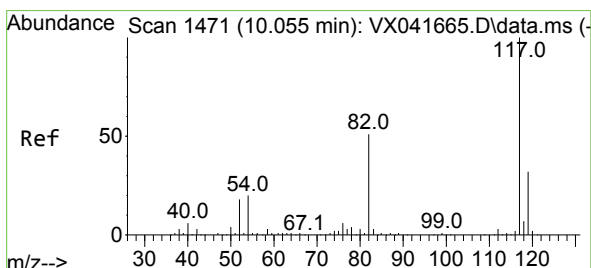
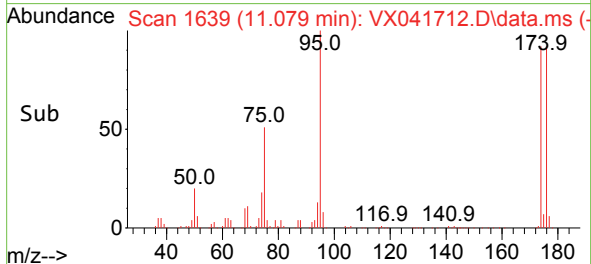
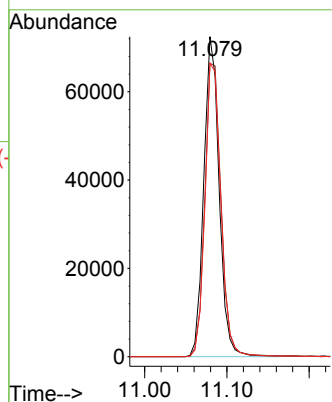
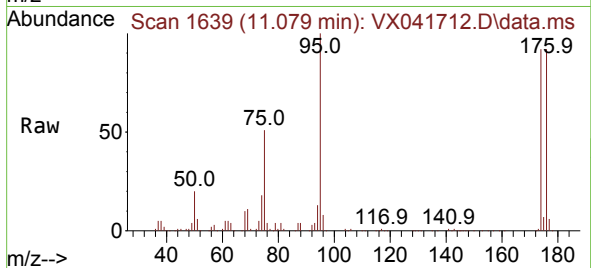




#62
4-Bromofluorobenzene
Concen: 50.908 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.000 min
Lab File: VX041712.D
Acq: 03 Jun 2024 18:14

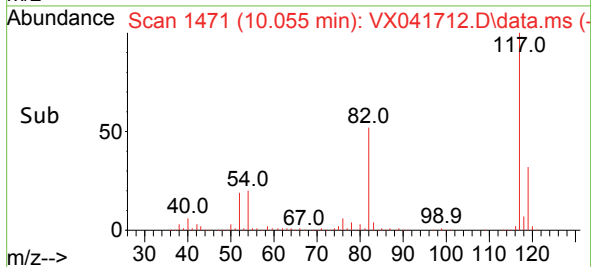
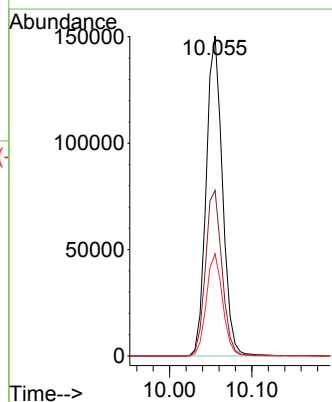
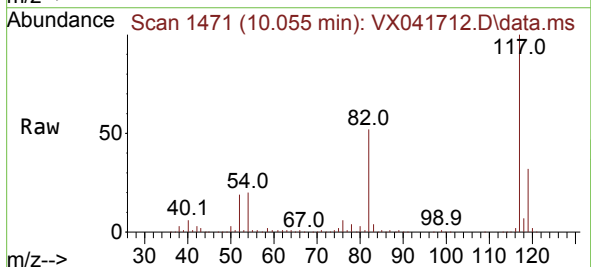
Instrument :
MSVOA_X
ClientSampleId :

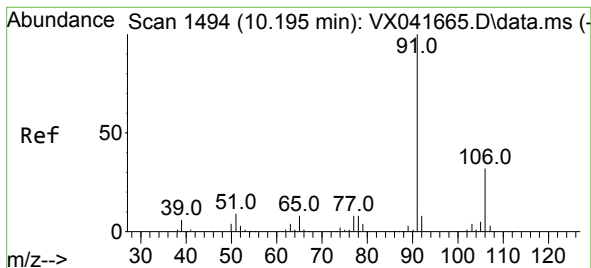
Tgt Ion: 95 Resp: 94037
Ion Ratio Lower Upper
95 100
174 96.9 0.0 135.6
176 94.9 0.0 131.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.000 min
Lab File: VX041712.D
Acq: 03 Jun 2024 18:14

Tgt Ion: 117 Resp: 206167
Ion Ratio Lower Upper
117 100
82 51.8 46.2 69.4
119 31.9 25.5 38.3





#67

Ethyl Benzene

Concen: 0.210 ug/l

RT: 10.195 min Scan# 1494

Delta R.T. 0.000 min

Lab File: VX041712.D

Acq: 03 Jun 2024 18:14

Instrument :

MSVOA_X

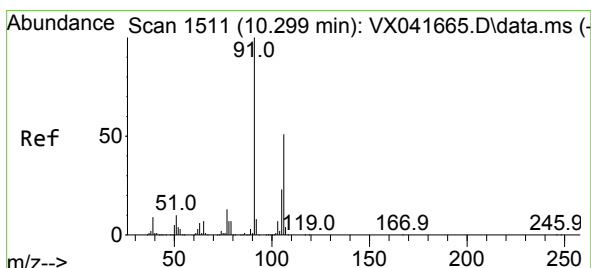
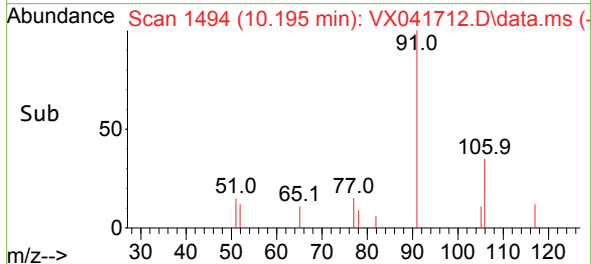
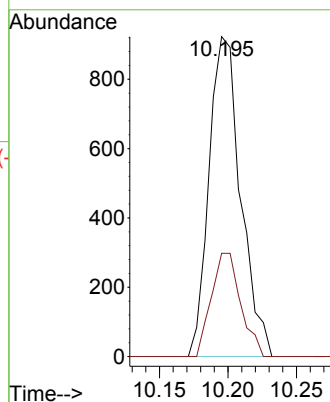
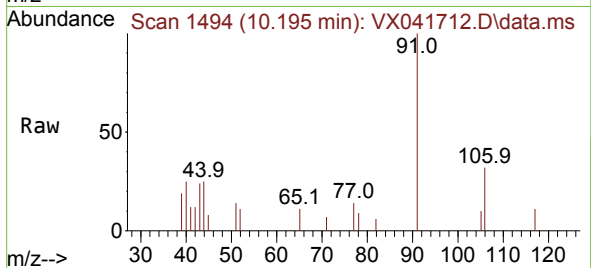
ClientSampleId :

Tgt Ion: 91 Resp: 1481

Ion Ratio Lower Upper

91 100

106 32.3 24.9 37.3



#68

m/p-Xylenes

Concen: 0.351 ug/l

RT: 10.305 min Scan# 1512

Delta R.T. 0.006 min

Lab File: VX041712.D

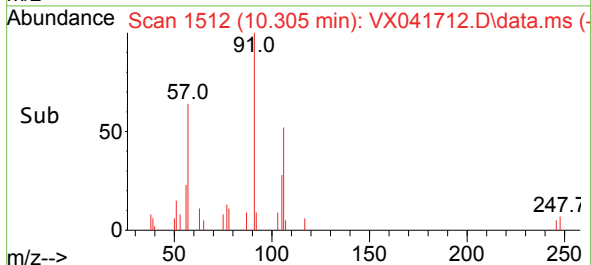
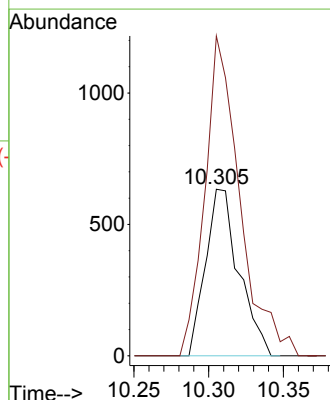
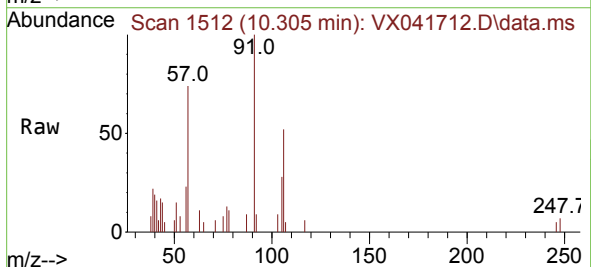
Acq: 03 Jun 2024 18:14

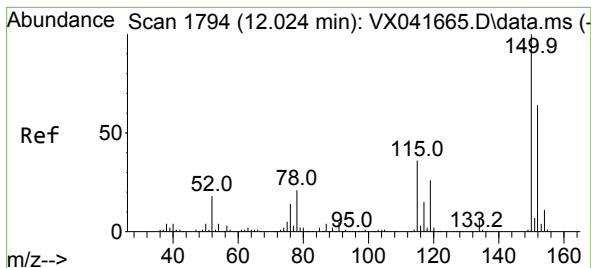
Tgt Ion: 106 Resp: 984

Ion Ratio Lower Upper

106 100

91 201.1 165.5 248.3





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.024 min Scan# 1

Delta R.T. 0.000 min

Lab File: VX041712.D

Acq: 03 Jun 2024 18:14

Instrument :

MSVOA_X

ClientSampleId :

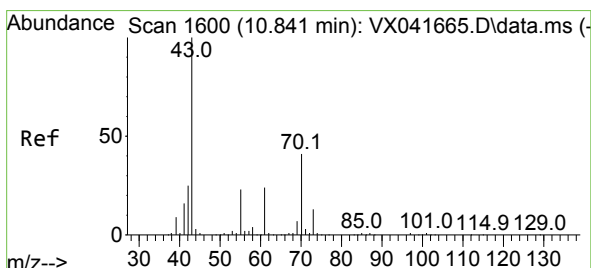
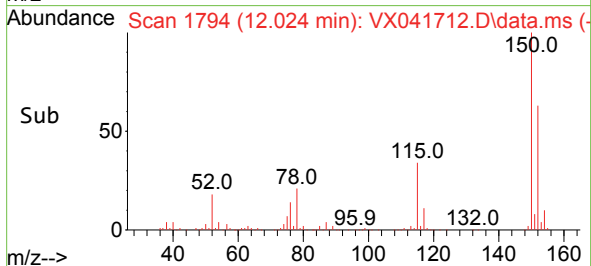
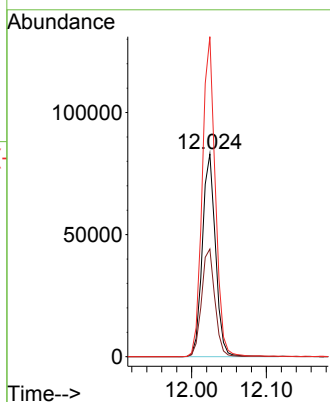
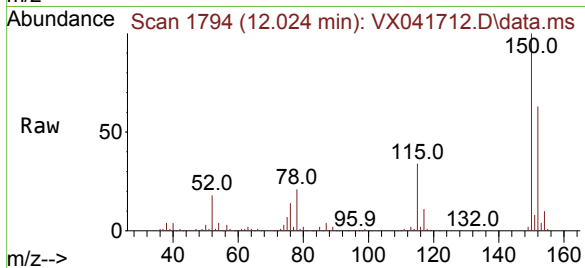
Tgt Ion:152 Resp: 101855

Ion Ratio Lower Upper

152 100

115 53.7 43.3 129.9

150 156.9 0.0 345.0



#74

N-ethyl acetate

Concen: 0.310 ug/l

RT: 10.811 min Scan# 1595

Delta R.T. -0.030 min

Lab File: VX041712.D

Acq: 03 Jun 2024 18:14

Tgt Ion: 43 Resp: 868

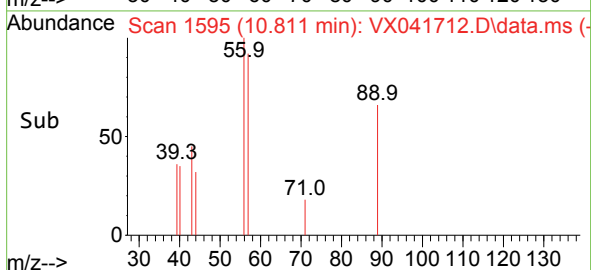
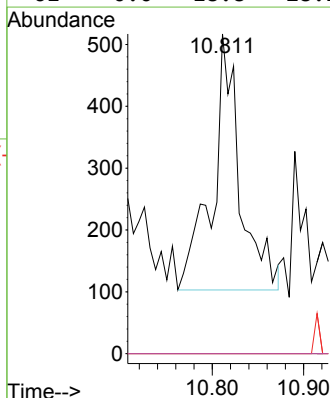
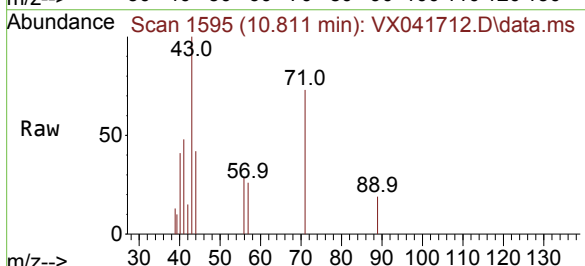
Ion Ratio Lower Upper

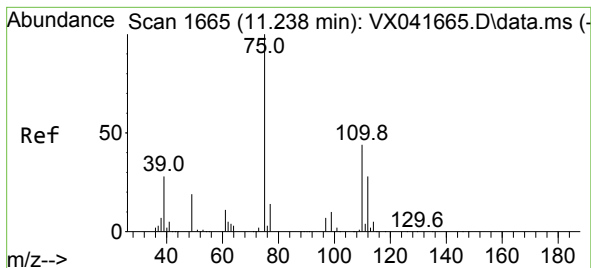
43 100

70 0.0 32.9 49.3#

55 0.0 19.3 28.9#

61 0.0 18.8 28.2#





#76

1,2,3-Trichloropropane

Concen: 26.972 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. -0.158 min

Lab File: VX041712.D

Acq: 03 Jun 2024 18:14

Instrument :

MSVOA_X

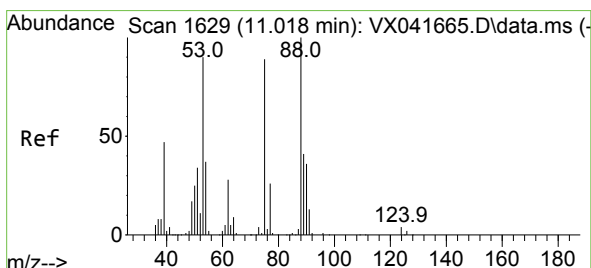
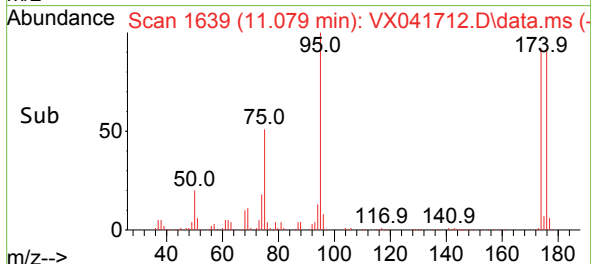
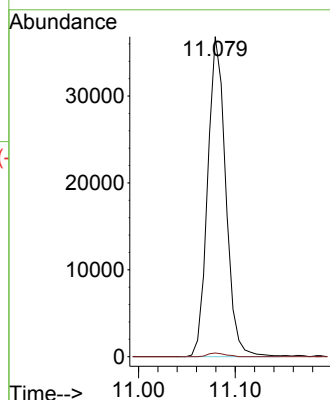
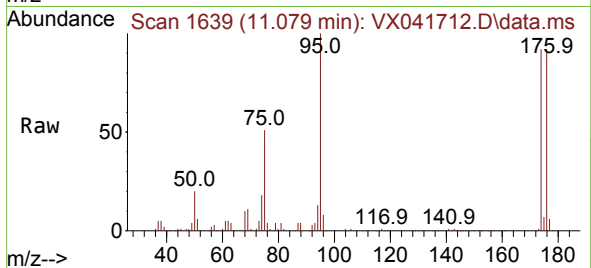
ClientSampleId :

Tgt Ion: 75 Resp: 47933

Ion Ratio Lower Upper

75 100

77 1.1 19.1 57.5#



#81

trans-1,4-Dichloro-2-butene

Concen: 73.511 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. 0.061 min

Lab File: VX041712.D

Acq: 03 Jun 2024 18:14

Tgt Ion: 75 Resp: 47933

Ion Ratio Lower Upper

75 100

53 0.0 90.5 135.7#

89 0.0 36.9 55.3#

