

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX071224\
 Data File : VX042312.D
 Acq On : 12 Jul 2024 18:54
 Operator : JC/MD
 Sample : PB162021ZHE#09
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

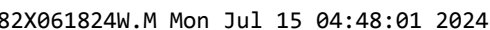
Quant Time: Jul 15 04:47:52 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X061824W.M
 Quant Title : SW846 8260
 QLast Update : Fri Jun 21 23:51:58 2024
 Response via : Initial Calibration

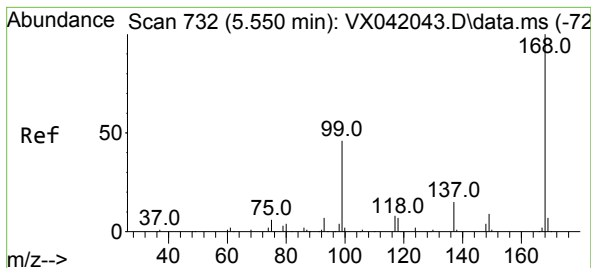
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Pentafluorobenzene	5.556	168	136738	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	6.763	114	215053	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	194424	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	82616	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	80987	51.363	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery = 102.720%			
35) Dibromofluoromethane	5.385	113	77785	50.976	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 101.960%			
50) Toluene-d8	8.647	98	240565	44.876	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery = 89.760%#			
62) 4-Bromofluorobenzene	11.079	95	81622	41.306	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 82.620%#			
Target Compounds						
						Qvalue
5) Bromomethane	1.599	94	224	0.346	ug/l	# 79
6) Chloroethane	1.654	64	316	Below Cal		# 50
11) Tert butyl alcohol	2.940	59	2393	7.997	ug/l	# 78
16) Acetone	2.386	43	26867	38.805	ug/l	# 87
18) Methyl Acetate	2.709	43	4661	2.468	ug/l	# 96
20) Methylene Chloride	2.788	84	7476	4.931	ug/l	# 88
25) 2-Butanone	4.599	43	2364	2.195	ug/l	# 93
29) Tetrahydrofuran	5.038	42	277	0.398	ug/l	# 61
31) Cyclohexane	5.544	56	1796	0.974	ug/l	# 1
36) 1,1-Dichloropropene	5.550	75	7668	4.732	ug/l	# 51
37) Ethyl Acetate	4.745	43	3081	1.460	ug/l	# 90
38) Carbon Tetrachloride	5.556	117	11458	6.400	ug/l	# 17
43) Isopropyl Acetate	6.348	43	108617	33.524	ug/l	# 93
48) Methyl methacrylate	7.799	41	92448	59.788	ug/l	# 45
49) 1,4-Dioxane	7.799	88	188	24.435	ug/l	# 1
51) 4-Methyl-2-Pentanone	8.549	43	81586	36.556	ug/l	# 53
53) t-1,3-Dichloropropene	8.958	75	725	1.276	ug/l	# 43
54) cis-1,3-Dichloropropene	8.549	75	43258	21.980	ug/l	# 50
56) Ethyl methacrylate	9.244	69	1107	0.491	ug/l	# 1
57) 1,3-Dichloropropane	9.482	76	5960	2.545	ug/l	# 42
59) 2-Hexanone	9.482	43	70928	41.494	ug/l	# 55
74) N-amyl acetate	10.817	43	910	0.408	ug/l	# 46
76) 1,2,3-Trichloropropane	11.079	75	36296	24.200	ug/l	# 39
81) trans-1,4-Dichloro-2-b...	11.079	75	36296	68.727	ug/l	# 5
95) Naphthalene	13.786	128	27	0.752	ug/l	# 69

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

Quant Time: Jul 15 04:47:52 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X061824W.M
Quant Title : SW846 8260
QLast Update : Fri Jun 21 23:51:58 2024
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.556 min Scan# 71

Delta R.T. 0.006 min

Lab File: VX042312.D

Acq: 12 Jul 2024 18:54

Instrument :

MSVOA_X

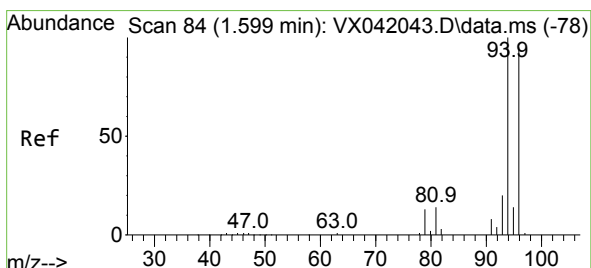
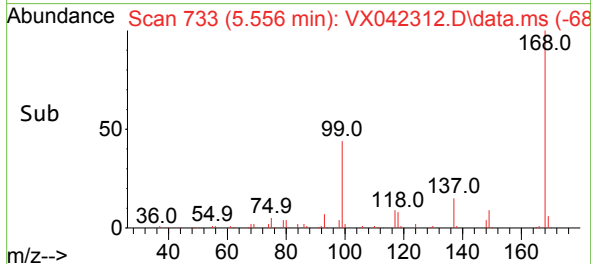
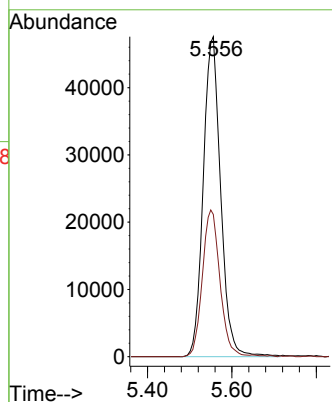
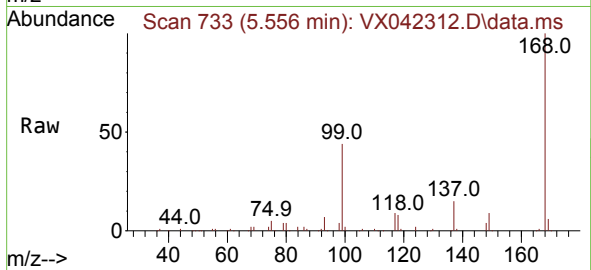
ClientSampleId :

Tgt Ion:168 Resp: 136738

Ion Ratio Lower Upper

168 100

99 44.4 56.6 85.0#



#5

Bromomethane

Concen: 0.346 ug/l

RT: 1.599 min Scan# 84

Delta R.T. 0.000 min

Lab File: VX042312.D

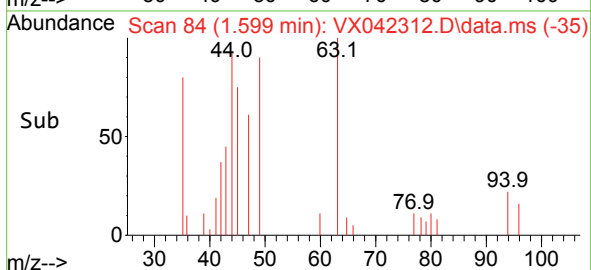
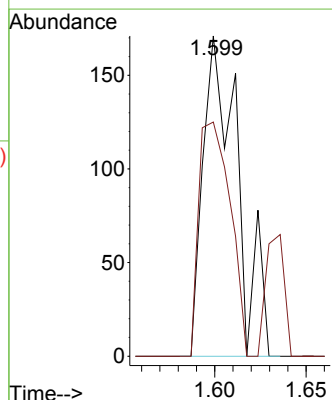
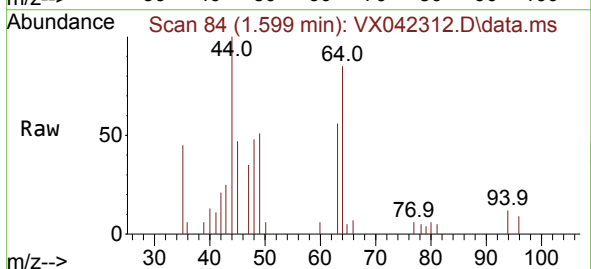
Acq: 12 Jul 2024 18:54

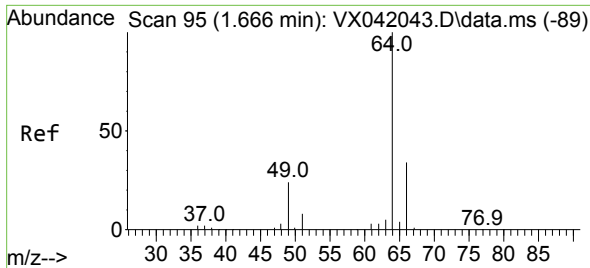
Tgt Ion: 94 Resp: 224

Ion Ratio Lower Upper

94 100

96 73.1 74.6 111.8#

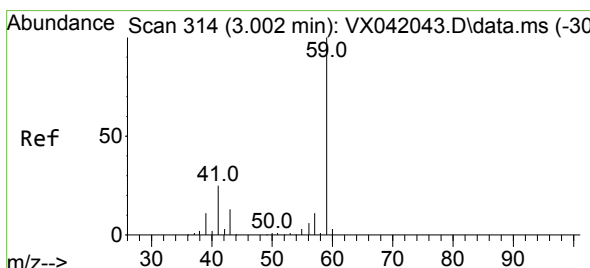
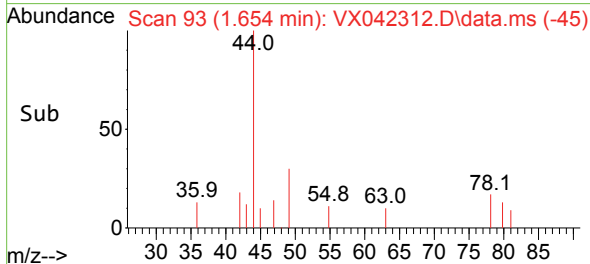
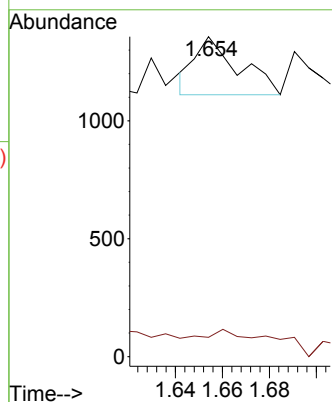
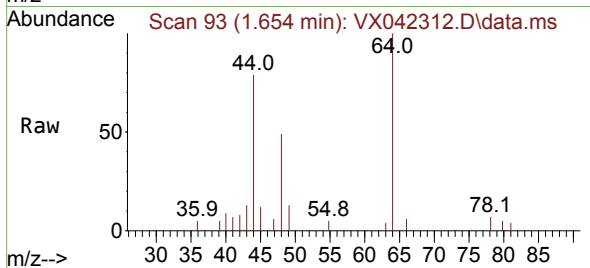




#6
Chloroethane
Concen: Below Cal
RT: 1.654 min Scan# 91
Delta R.T. -0.006 min
Lab File: VX042312.D
Acq: 12 Jul 2024 18:54

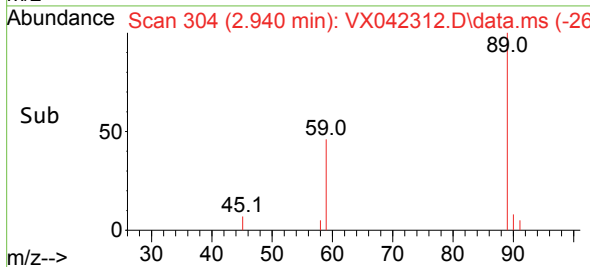
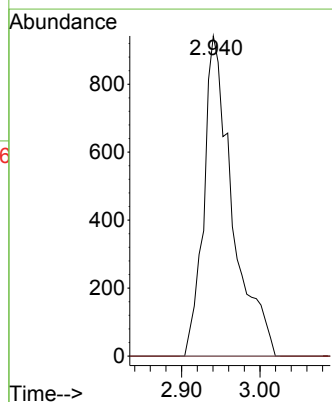
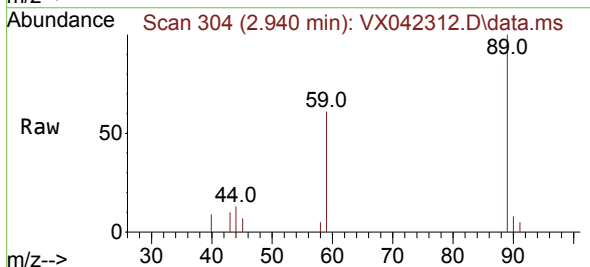
Instrument :
MSVOA_X
ClientSampleId :

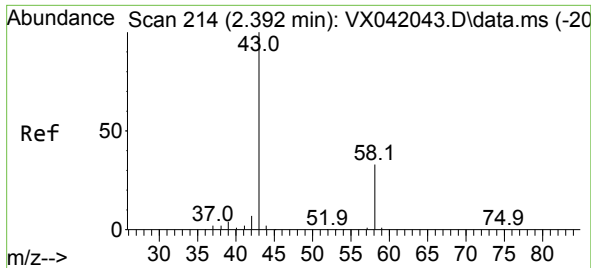
Tgt Ion: 64 Resp: 316
Ion Ratio Lower Upper
64 100
66 3.7 25.1 37.7#



#11
Tert butyl alcohol
Concen: 7.997 ug/l
RT: 2.940 min Scan# 304
Delta R.T. -0.067 min
Lab File: VX042312.D
Acq: 12 Jul 2024 18:54

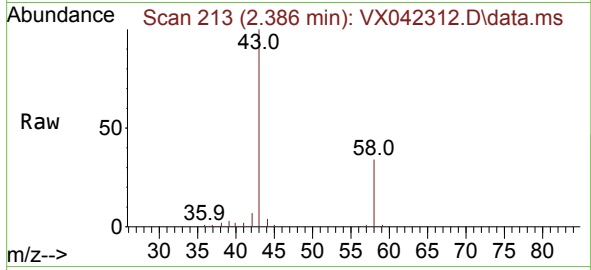
Tgt Ion: 59 Resp: 2393
Ion Ratio Lower Upper
59 100
57 0.0 6.0 9.0#



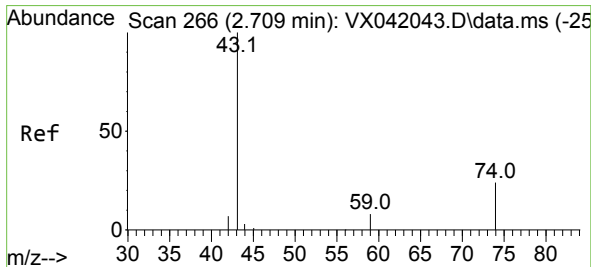
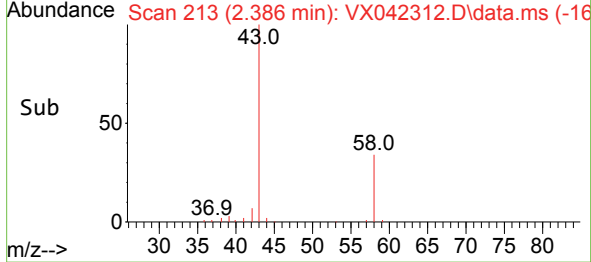
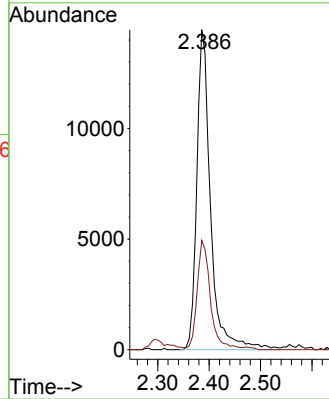


#16
Acetone
Concen: 38.805 ug/l
RT: 2.386 min Scan# 214
Delta R.T. -0.012 min
Lab File: VX042312.D
Acq: 12 Jul 2024 18:54

Instrument :
MSVOA_X
ClientSampleId :

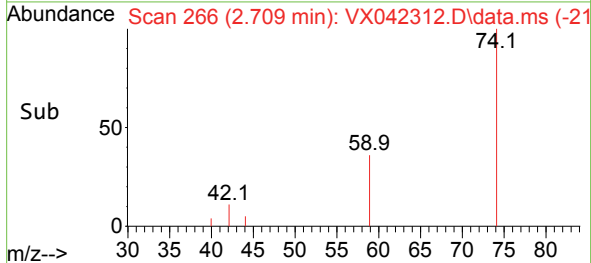
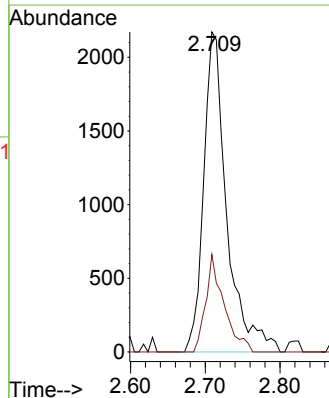
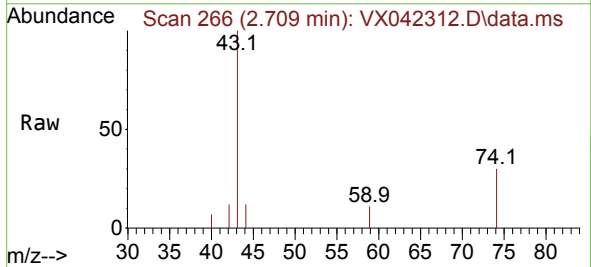


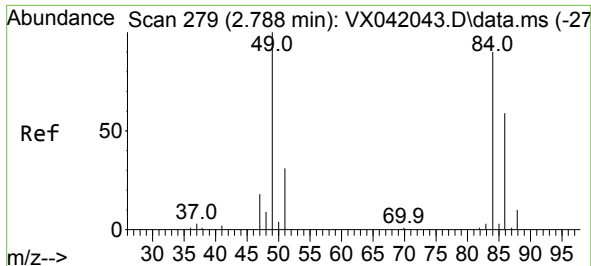
Tgt Ion: 43 Resp: 26867
Ion Ratio Lower Upper
43 100
58 34.1 21.9 32.9#



#18
Methyl Acetate
Concen: 2.468 ug/l
RT: 2.709 min Scan# 266
Delta R.T. 0.000 min
Lab File: VX042312.D
Acq: 12 Jul 2024 18:54

Tgt Ion: 43 Resp: 4661
Ion Ratio Lower Upper
43 100
74 24.1 17.8 26.8





#20

Methylene Chloride

Concen: 4.931 ug/l

RT: 2.788 min Scan# 21

Delta R.T. 0.006 min

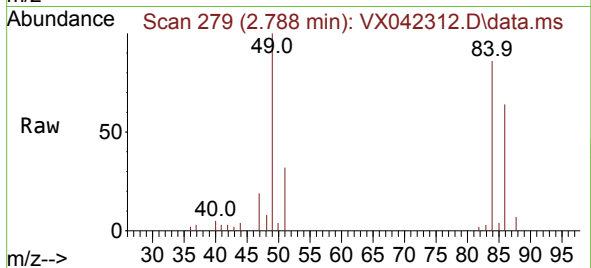
Lab File: VX042312.D

Acq: 12 Jul 2024 18:54

Instrument :

MSVOA_X

ClientSampleId :



Tgt Ion: 84 Resp: 7476

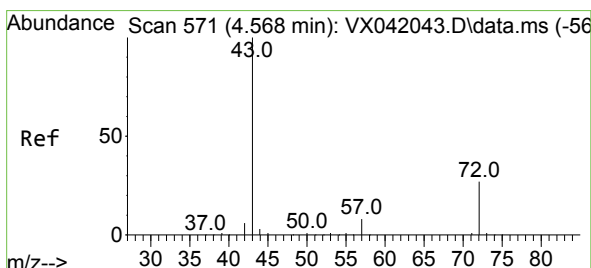
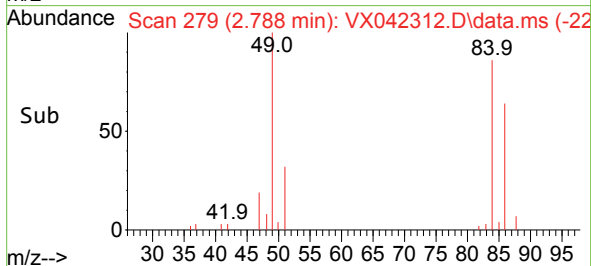
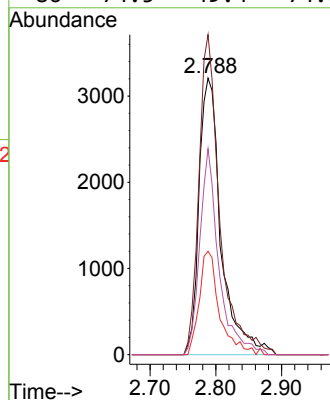
Ion Ratio Lower Upper

84 100

49 115.7 103.6 155.4

51 37.4 33.8 50.6

86 74.5 49.4 74.0#



#25

2-Butanone

Concen: 2.195 ug/l

RT: 4.599 min Scan# 576

Delta R.T. 0.024 min

Lab File: VX042312.D

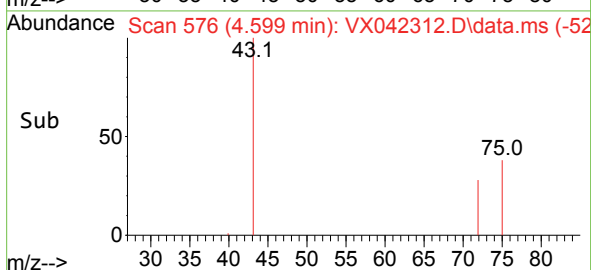
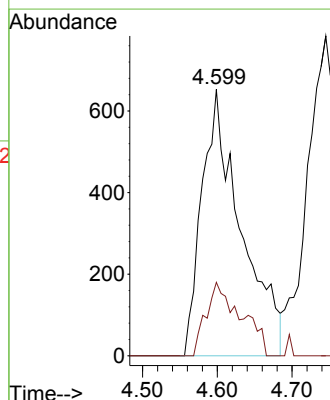
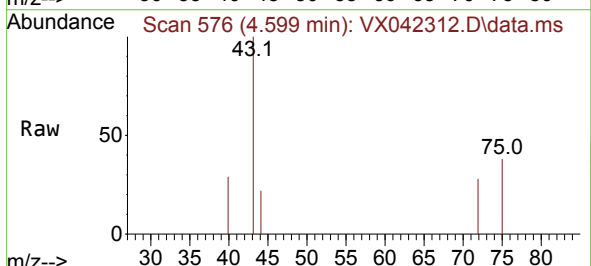
Acq: 12 Jul 2024 18:54

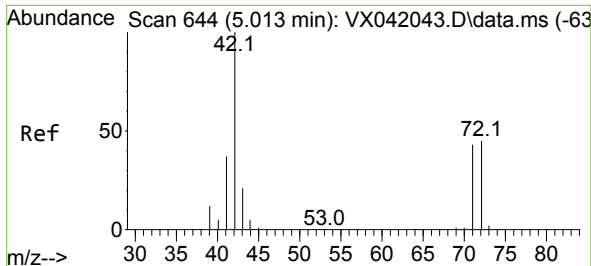
Tgt Ion: 43 Resp: 2364

Ion Ratio Lower Upper

43 100

72 27.6 19.4 29.2





#29

Tetrahydrofuran

Concen: 0.398 ug/l

RT: 5.038 min Scan# 644

Delta R.T. 0.018 min

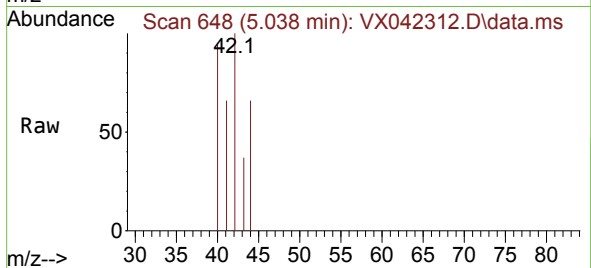
Lab File: VX042312.D

Acq: 12 Jul 2024 18:54

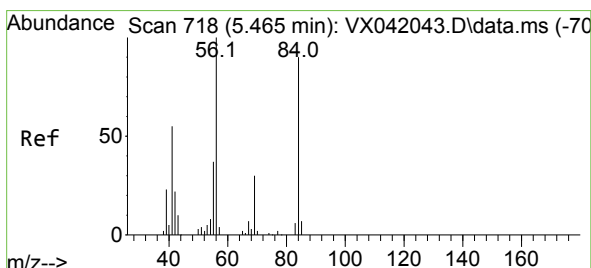
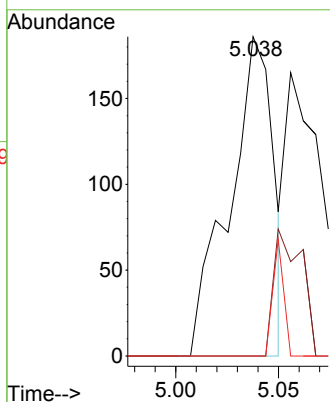
Instrument :

MSVOA_X

ClientSampleId :



Tgt Ion:	42	Resp:	277
Ion	Ratio	Lower	Upper
42	100		
72	25.3	34.2	51.4#
71	9.0	32.2	48.2#



#31

Cyclohexane

Concen: 0.974 ug/l

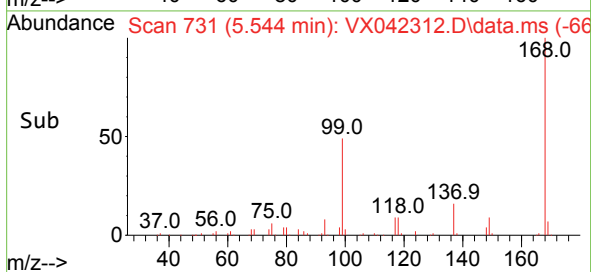
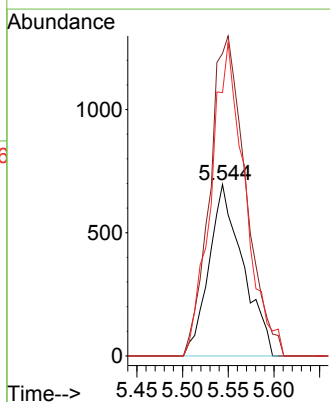
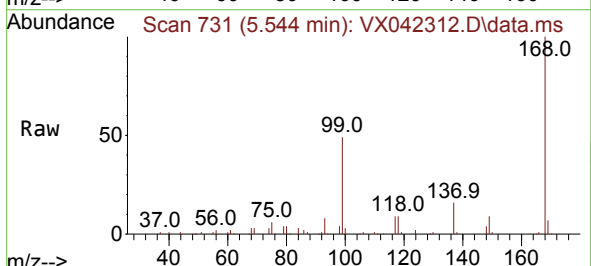
RT: 5.544 min Scan# 731

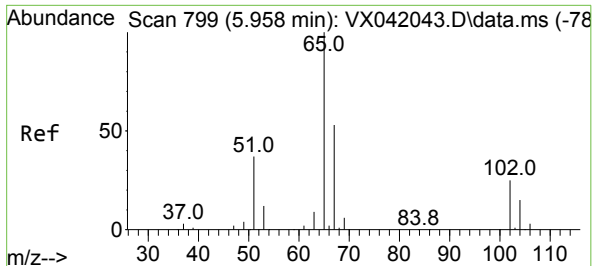
Delta R.T. 0.079 min

Lab File: VX042312.D

Acq: 12 Jul 2024 18:54

Tgt Ion:	56	Resp:	1796
Ion	Ratio	Lower	Upper
56	100		
69	176.4	23.4	35.2#
84	153.6	65.9	98.9#





#33

1,2-Dichloroethane-d4

Concen: 51.363 ug/l

RT: 5.952 min Scan# 799

Delta R.T. -0.006 min

Lab File: VX042312.D

Acq: 12 Jul 2024 18:54

Instrument :

MSVOA_X

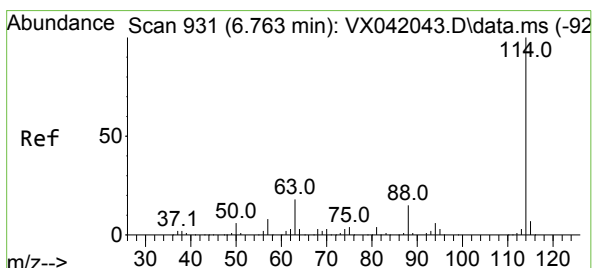
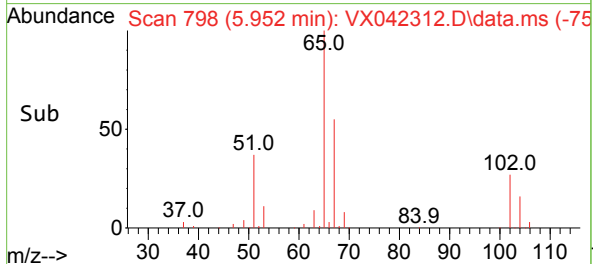
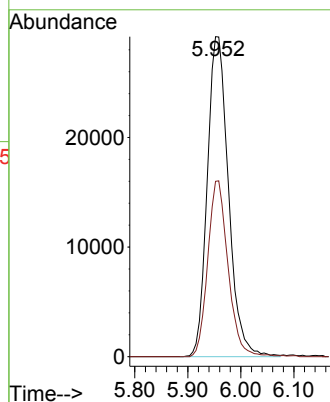
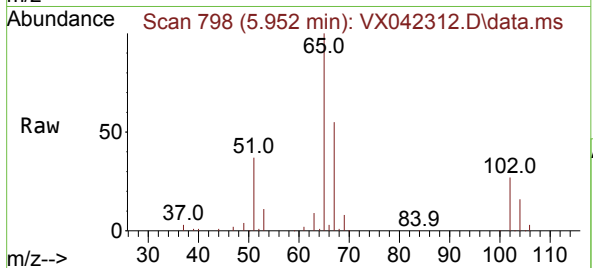
ClientSampleId :

Tgt Ion: 65 Resp: 80987

Ion Ratio Lower Upper

65 100

67 52.8 0.0 100.2



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.763 min Scan# 931

Delta R.T. 0.000 min

Lab File: VX042312.D

Acq: 12 Jul 2024 18:54

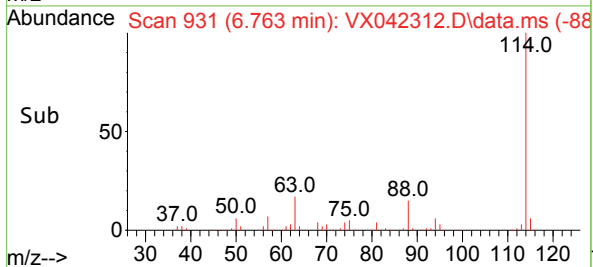
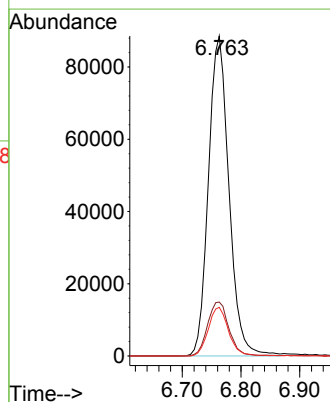
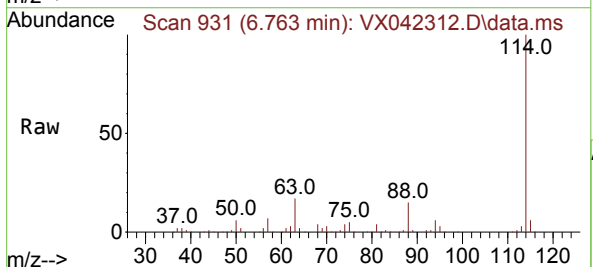
Tgt Ion:114 Resp: 215053

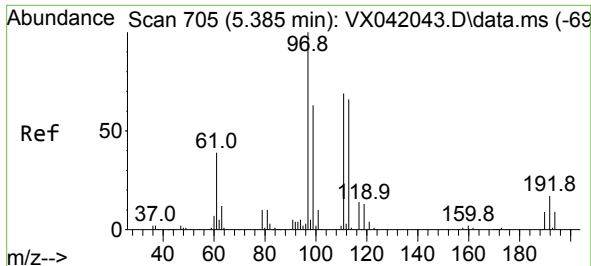
Ion Ratio Lower Upper

114 100

63 16.8 0.0 45.0

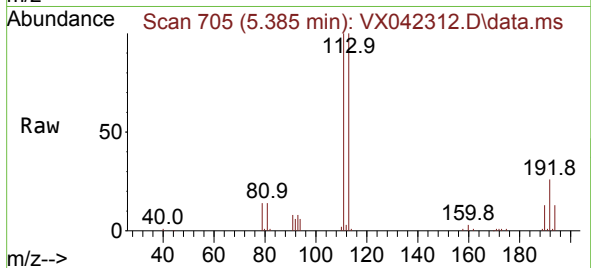
88 15.2 0.0 36.6



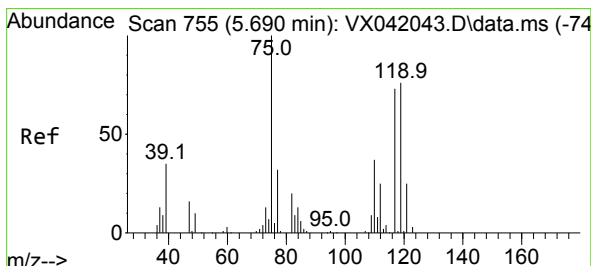
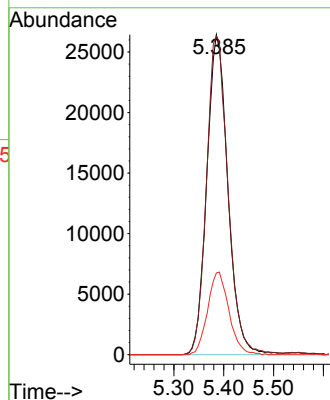
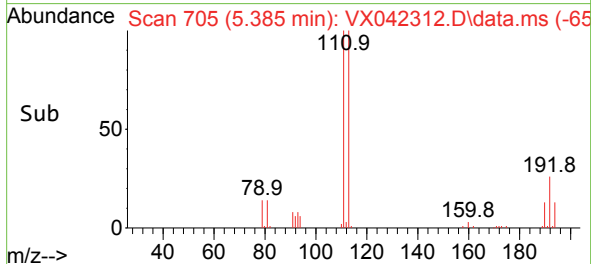


#35
Dibromofluoromethane
Concen: 50.976 ug/l
RT: 5.385 min Scan# 705
Delta R.T. -0.006 min
Lab File: VX042312.D
Acq: 12 Jul 2024 18:54

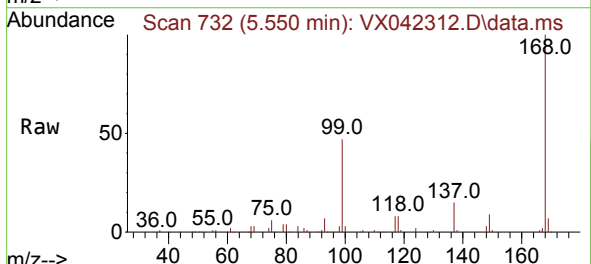
Instrument :
MSVOA_X
ClientSampleId :



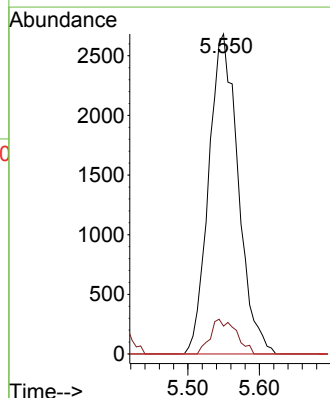
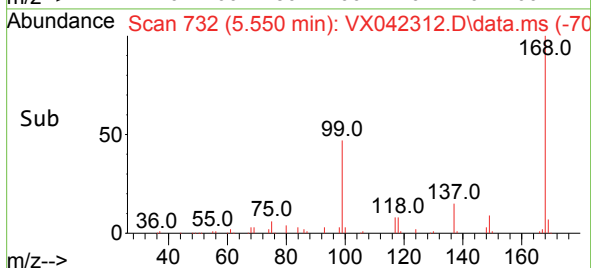
Tgt Ion:113 Resp: 77785
Ion Ratio Lower Upper
113 100
111 101.0 82.9 124.3
192 26.0 13.3 19.9#

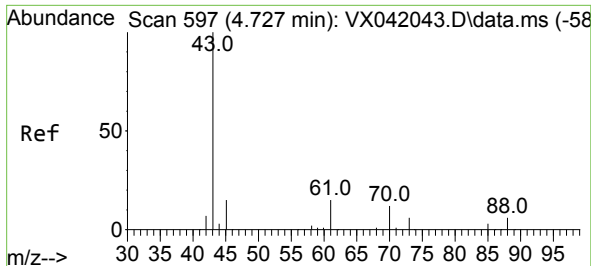


#36
1,1-Dichloropropene
Concen: 4.732 ug/l
RT: 5.550 min Scan# 732
Delta R.T. -0.140 min
Lab File: VX042312.D
Acq: 12 Jul 2024 18:54



Tgt Ion: 75 Resp: 7668
Ion Ratio Lower Upper
75 100
110 9.6 17.0 50.9#
77 0.0 24.7 37.1#





#37

Ethyl Acetate

Concen: 1.460 ug/l

RT: 4.745 min Scan# 600

Delta R.T. 0.018 min

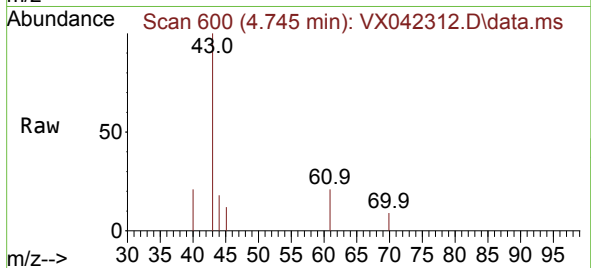
Lab File: VX042312.D

Acq: 12 Jul 2024 18:54

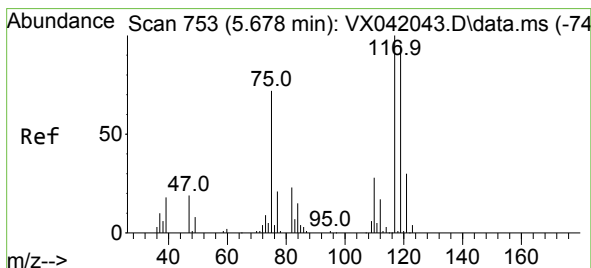
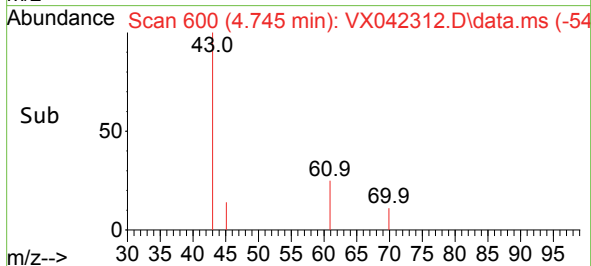
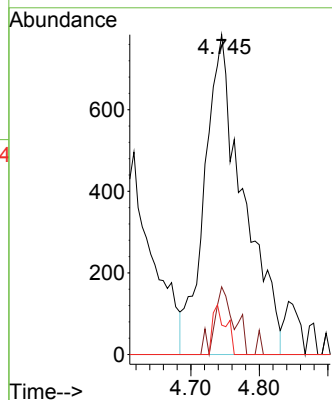
Instrument :

MSVOA_X

ClientSampleId :



Tgt Ion: 43	Resp: 3081
Ion Ratio	Lower Upper
43	100
61	10.5 10.6 16.0#
70	5.3 8.3 12.5#



#38

Carbon Tetrachloride

Concen: 6.400 ug/l

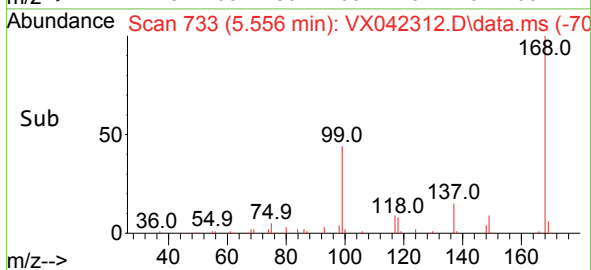
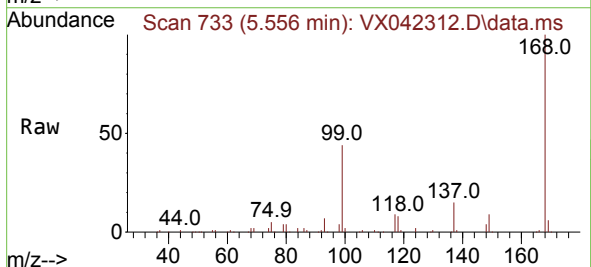
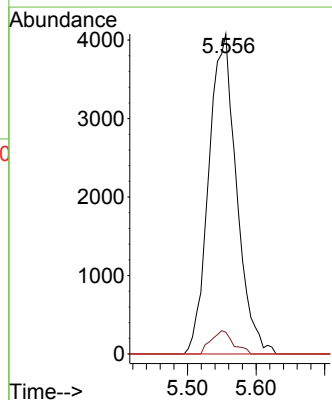
RT: 5.556 min Scan# 733

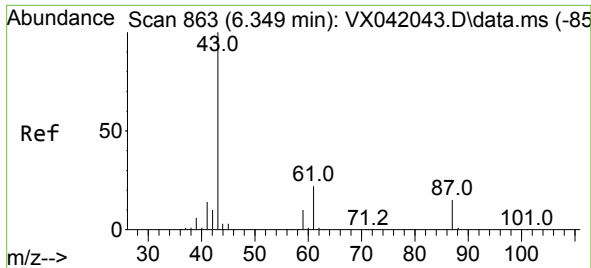
Delta R.T. -0.122 min

Lab File: VX042312.D

Acq: 12 Jul 2024 18:54

Tgt Ion: 117	Resp: 11458
Ion Ratio	Lower Upper
117	100
119	6.8 78.2 117.2#
121	0.0 24.4 36.6#

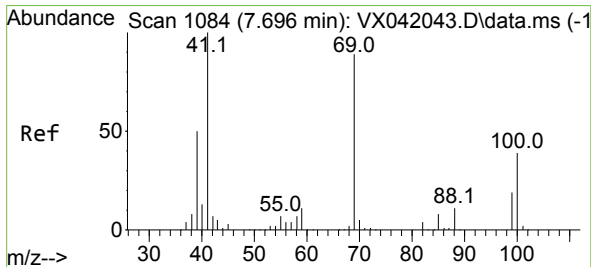
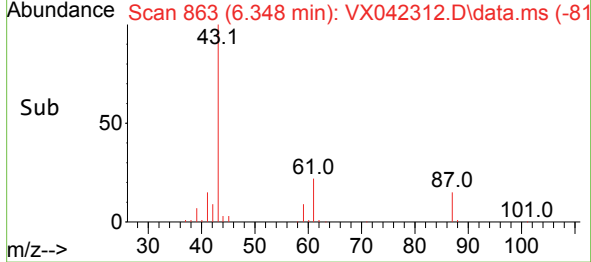
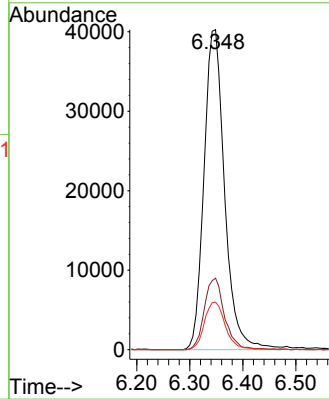
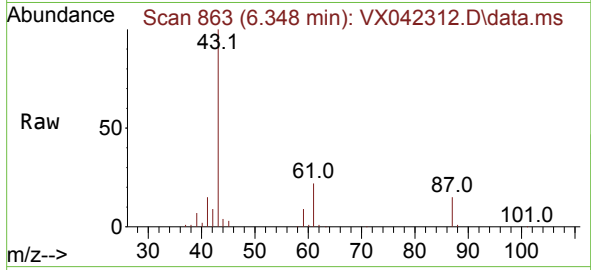




#43
Isopropyl Acetate
Concen: 33.524 ug/l
RT: 6.348 min Scan# 81
Delta R.T. 0.000 min
Lab File: VX042312.D
Acq: 12 Jul 2024 18:54

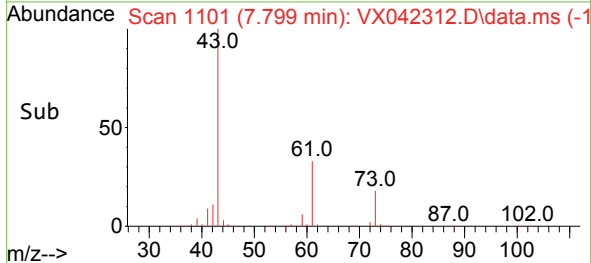
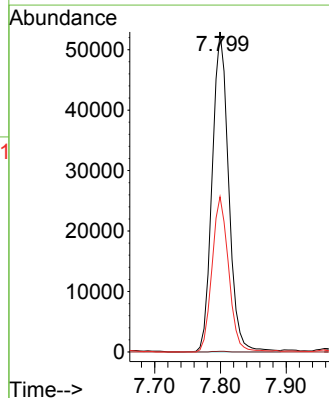
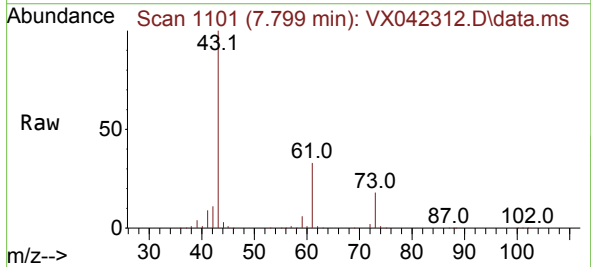
Instrument :
MSVOA_X
ClientSampleId :

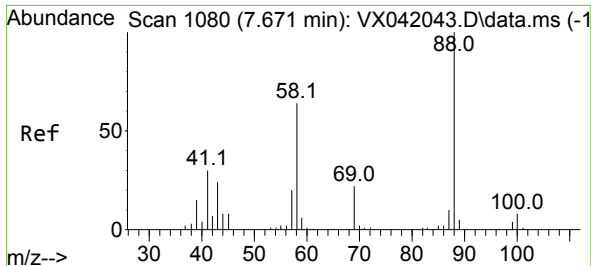
Tgt Ion: 43 Resp: 108617
Ion Ratio Lower Upper
43 100
61 21.9 15.2 22.8
87 15.1 9.8 14.6#



#48
Methyl methacrylate
Concen: 59.788 ug/l
RT: 7.799 min Scan# 1101
Delta R.T. 0.104 min
Lab File: VX042312.D
Acq: 12 Jul 2024 18:54

Tgt Ion: 41 Resp: 92448
Ion Ratio Lower Upper
41 100
69 0.2 59.2 88.8#
39 48.8 47.7 71.5

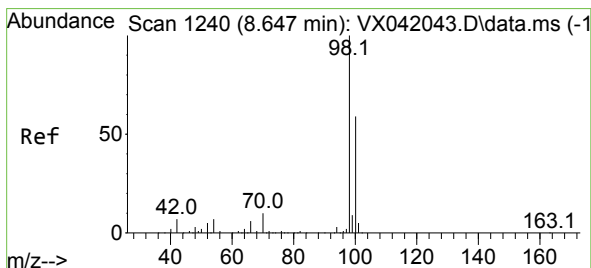
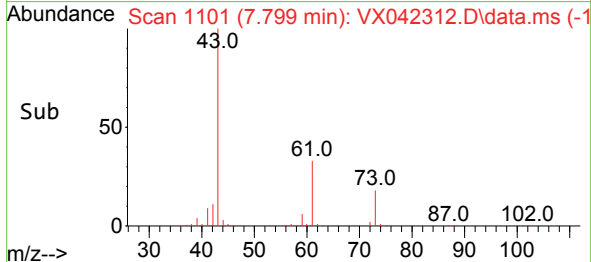
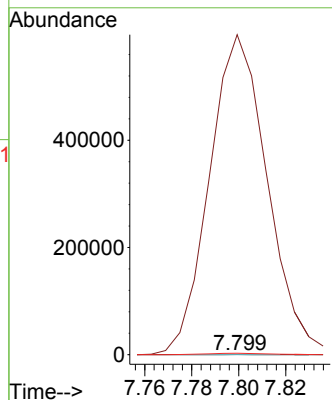
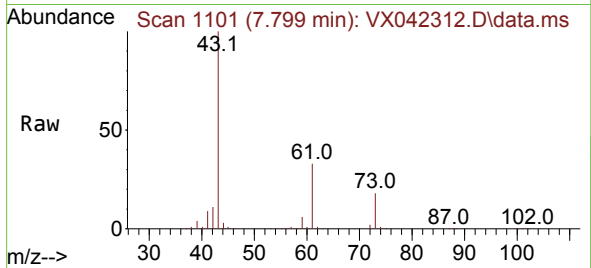




#49
1,4-Dioxane
Concen: 24.435 ug/l
RT: 7.799 min Scan# 1101
Delta R.T. 0.134 min
Lab File: VX042312.D
Acq: 12 Jul 2024 18:54

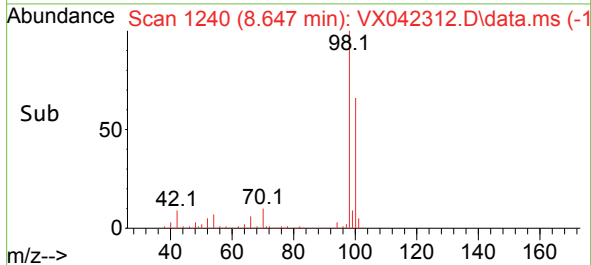
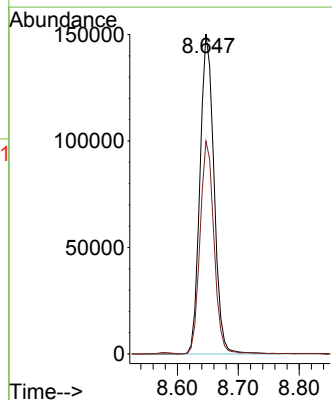
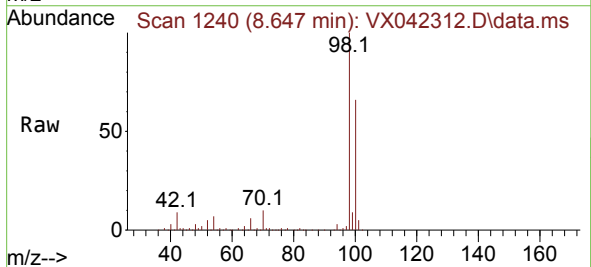
Instrument :
MSVOA_X
ClientSampleId :

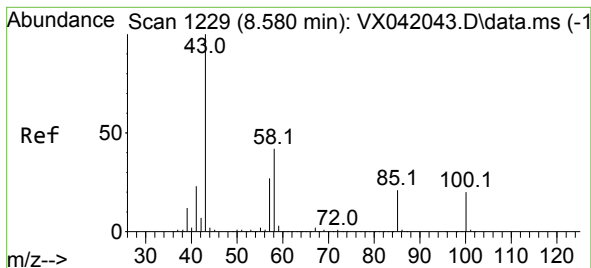
Tgt Ion: 88 Resp: 188
Ion Ratio Lower Upper
88 100
43 55352.7 0.0 0.0#
58 2570.2 60.1 90.1#



#50
Toluene-d8
Concen: 44.876 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. 0.000 min
Lab File: VX042312.D
Acq: 12 Jul 2024 18:54

Tgt Ion: 98 Resp: 240565
Ion Ratio Lower Upper
98 100
100 65.6 53.1 79.7





#51

4-Methyl-2-Pentanone

Concen: 36.556 ug/l

RT: 8.549 min Scan# 11

Delta R.T. -0.030 min

Lab File: VX042312.D

Acq: 12 Jul 2024 18:54

Instrument :

MSVOA_X

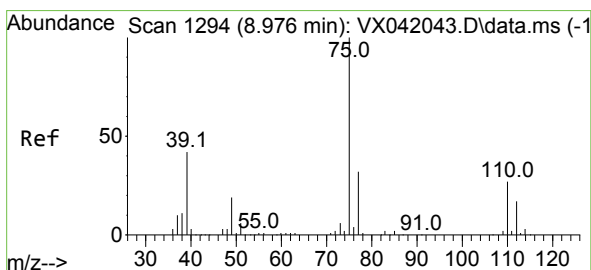
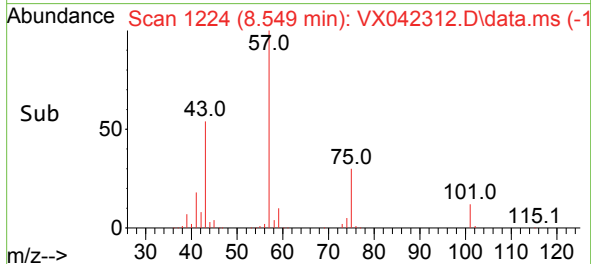
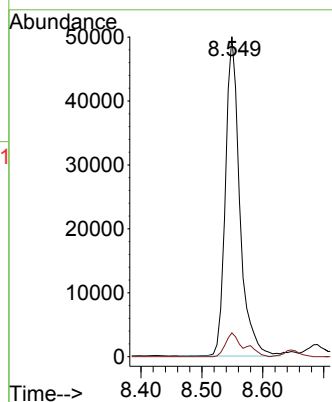
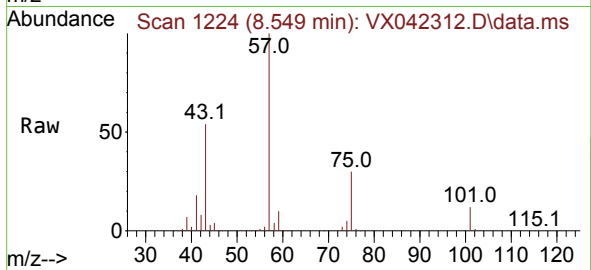
ClientSampleId :

Tgt Ion: 43 Resp: 81586

Ion Ratio Lower Upper

43 100

58 9.5 30.4 45.6#



#53

t-1,3-Dichloropropene

Concen: 1.276 ug/l

RT: 8.958 min Scan# 1291

Delta R.T. -0.024 min

Lab File: VX042312.D

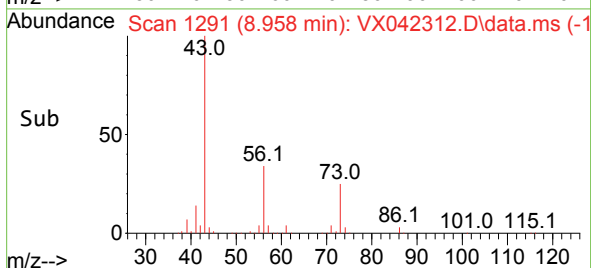
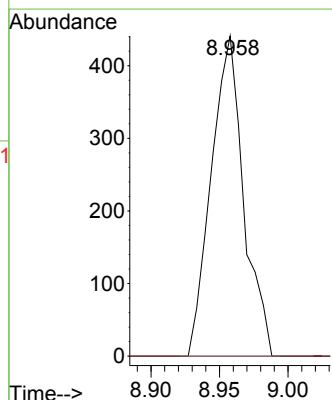
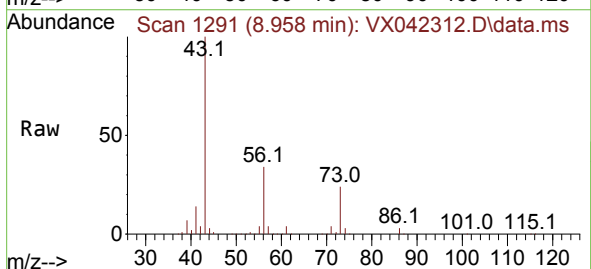
Acq: 12 Jul 2024 18:54

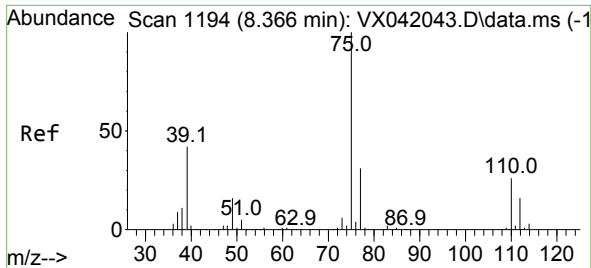
Tgt Ion: 75 Resp: 725

Ion Ratio Lower Upper

75 100

77 0.0 25.7 38.5#

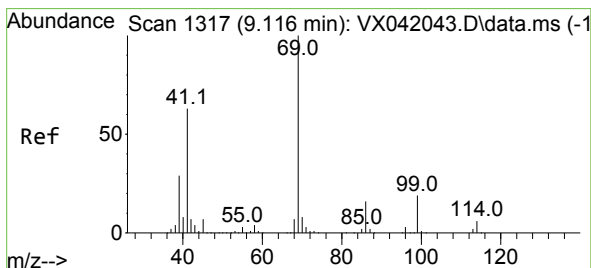
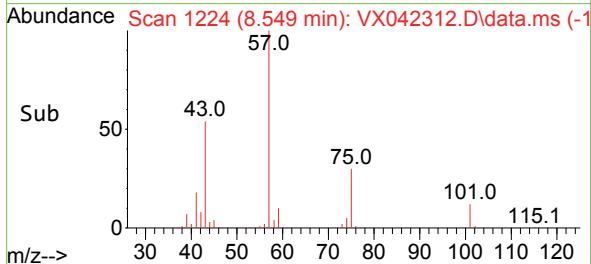
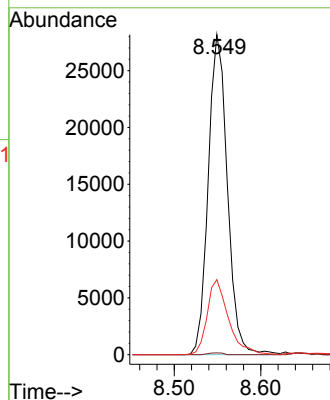
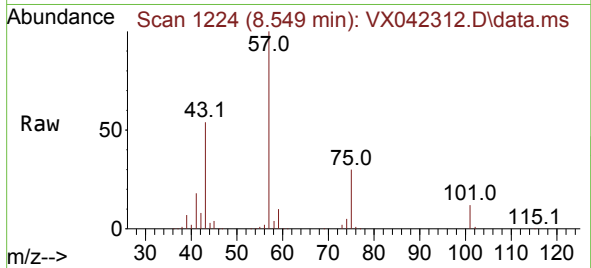




#54
cis-1,3-Dichloropropene
Concen: 21.980 ug/l
RT: 8.549 min Scan# 1194
Delta R.T. 0.183 min
Lab File: VX042312.D
Acq: 12 Jul 2024 18:54

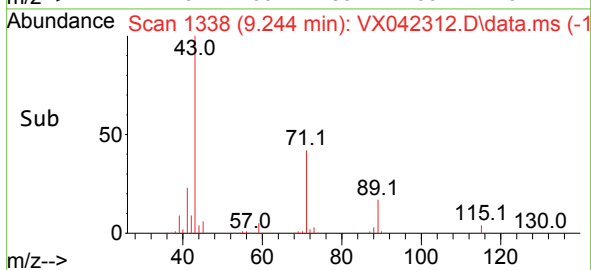
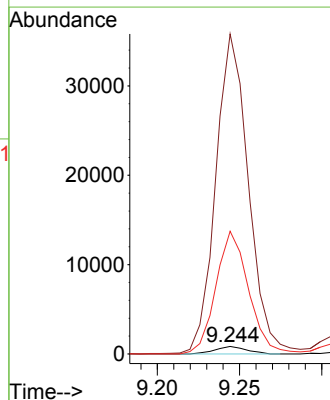
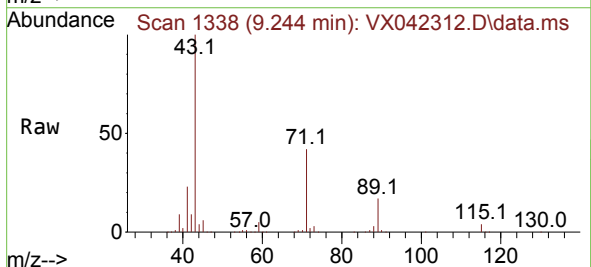
Instrument :
MSVOA_X
ClientSampleId :

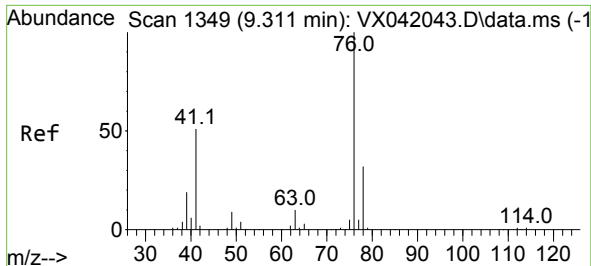
Tgt Ion: 75 Resp: 43258
Ion Ratio Lower Upper
75 100
77 0.6 25.3 37.9#
39 23.4 46.7 70.1#



#56
Ethyl methacrylate
Concen: 0.491 ug/l
RT: 9.244 min Scan# 1338
Delta R.T. 0.122 min
Lab File: VX042312.D
Acq: 12 Jul 2024 18:54

Tgt Ion: 69 Resp: 1107
Ion Ratio Lower Upper
69 100
41 4497.2 56.8 85.2#
39 1724.8 32.0 48.0#





#57

1,3-Dichloropropane

Concen: 2.545 ug/l

RT: 9.482 min Scan# 1377

Delta R.T. 0.171 min

Lab File: VX042312.D

Acq: 12 Jul 2024 18:54

Instrument :

MSVOA_X

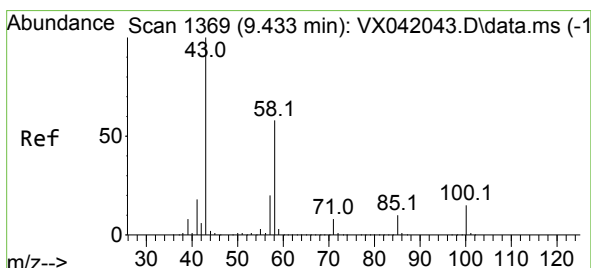
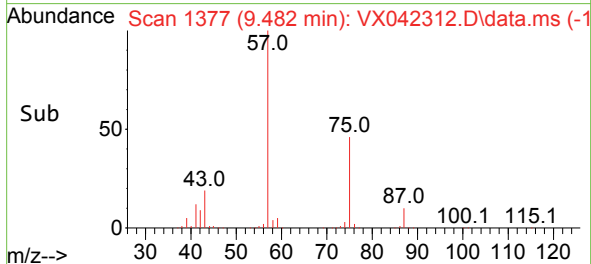
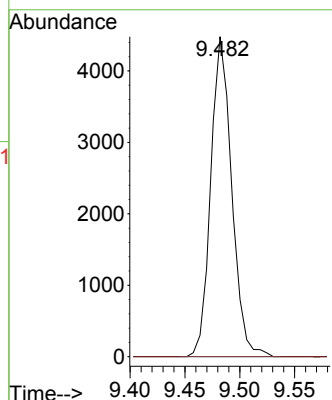
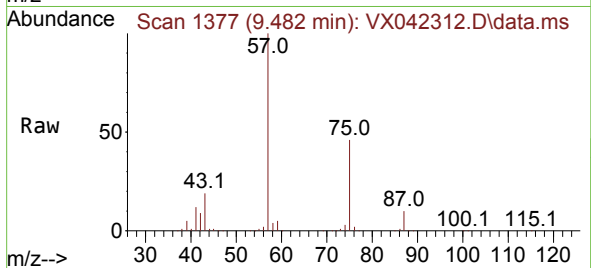
ClientSampleId :

Tgt Ion: 76 Resp: 5960

Ion Ratio Lower Upper

76 100

78 0.0 26.1 39.1#



#59

2-Hexanone

Concen: 41.494 ug/l

RT: 9.482 min Scan# 1377

Delta R.T. 0.049 min

Lab File: VX042312.D

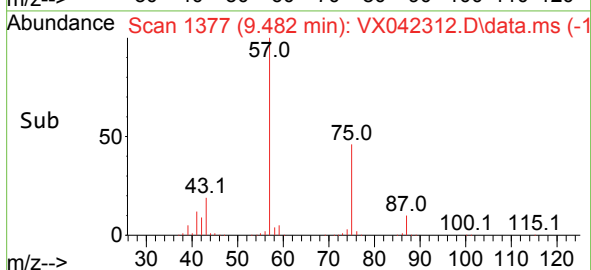
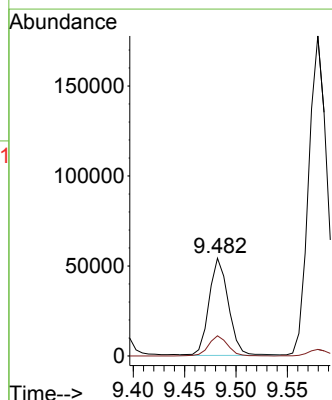
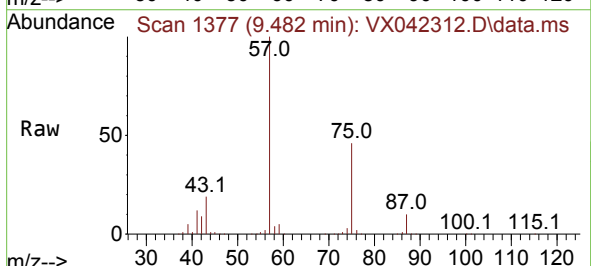
Acq: 12 Jul 2024 18:54

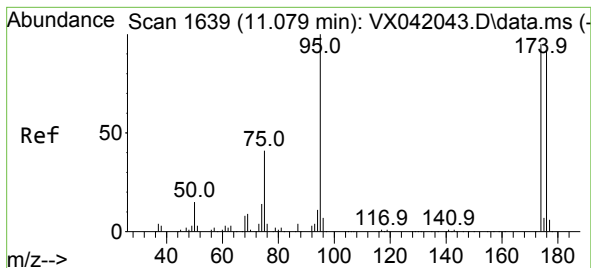
Tgt Ion: 43 Resp: 70928

Ion Ratio Lower Upper

43 100

58 20.6 26.2 78.5#





#62

4-Bromofluorobenzene

Concen: 41.306 ug/l

RT: 11.079 min Scan# 1

Delta R.T. 0.000 min

Lab File: VX042312.D

Acq: 12 Jul 2024 18:54

Instrument :

MSVOA_X

ClientSampleId :

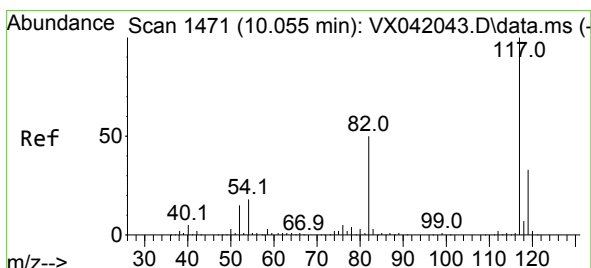
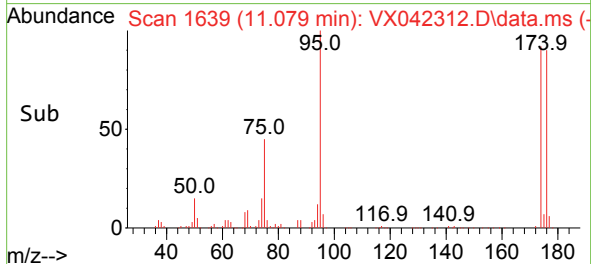
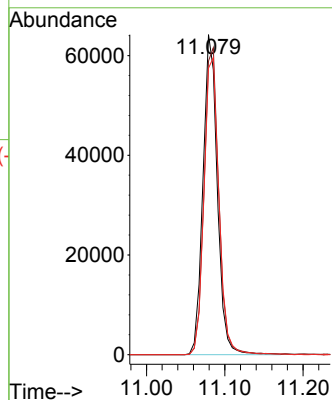
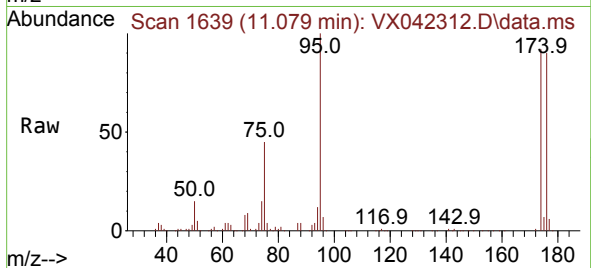
Tgt Ion: 95 Resp: 81622

Ion Ratio Lower Upper

95 100

174 98.7 0.0 135.6

176 96.4 0.0 131.0



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.055 min Scan# 1471

Delta R.T. 0.000 min

Lab File: VX042312.D

Acq: 12 Jul 2024 18:54

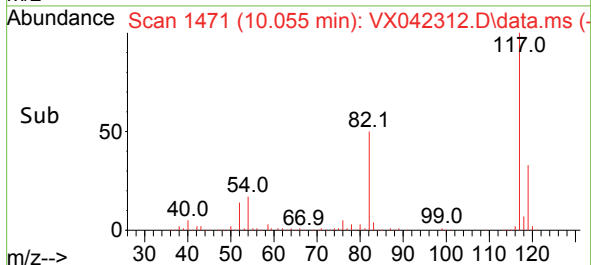
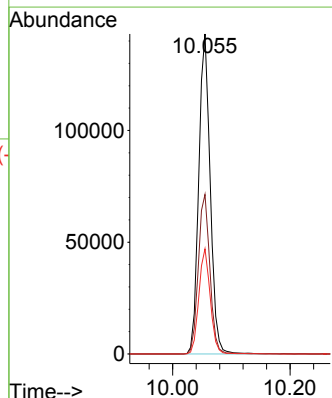
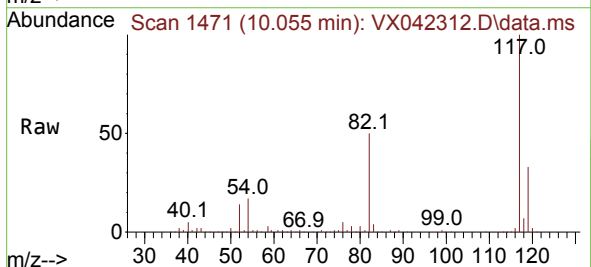
Tgt Ion: 117 Resp: 194424

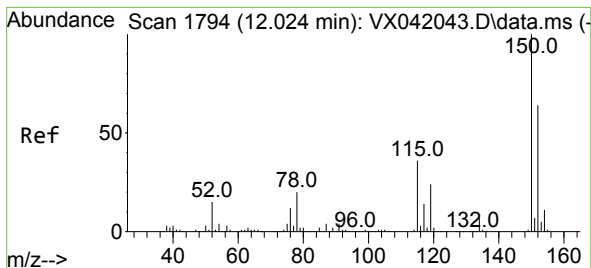
Ion Ratio Lower Upper

117 100

82 49.8 46.2 69.4

119 32.9 25.5 38.3





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.024 min Scan# 1

Delta R.T. 0.000 min

Lab File: VX042312.D

Acq: 12 Jul 2024 18:54

Instrument :

MSVOA_X

ClientSampleId :

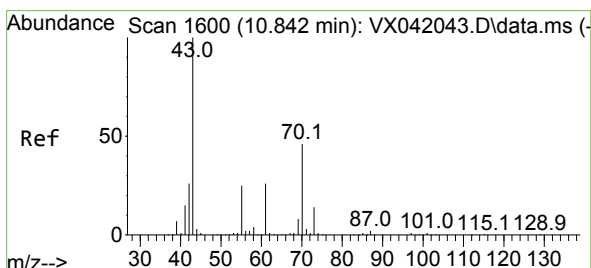
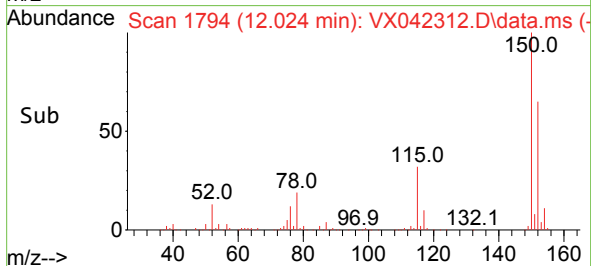
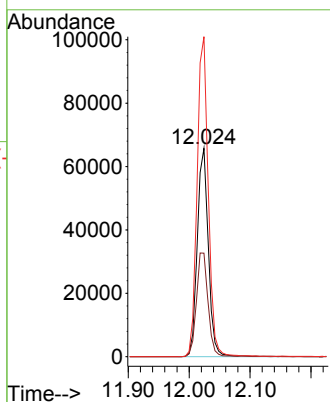
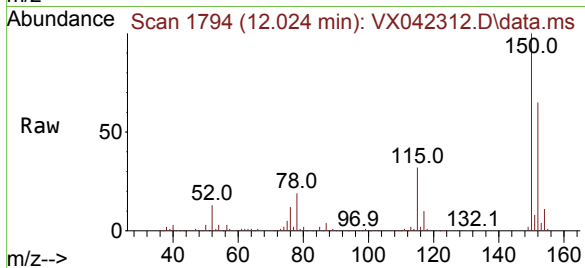
Tgt Ion:152 Resp: 82616

Ion Ratio Lower Upper

152 100

115 52.2 43.3 129.9

150 155.3 0.0 345.0



#74

N-ethyl acetate

Concen: 0.408 ug/l

RT: 10.817 min Scan# 1596

Delta R.T. -0.024 min

Lab File: VX042312.D

Acq: 12 Jul 2024 18:54

Tgt Ion: 43 Resp: 910

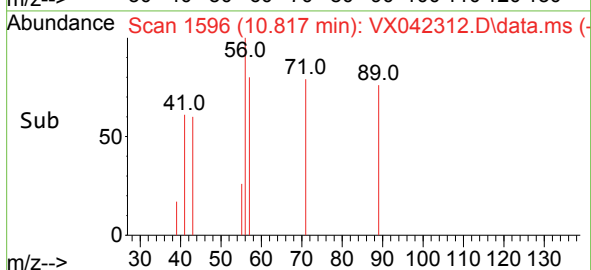
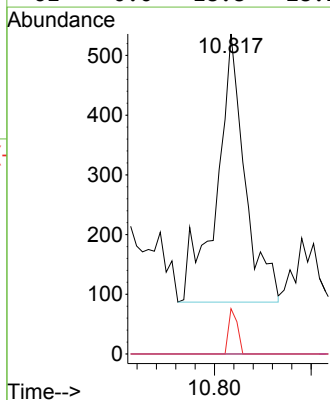
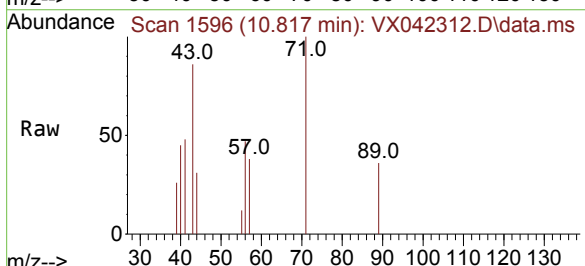
Ion Ratio Lower Upper

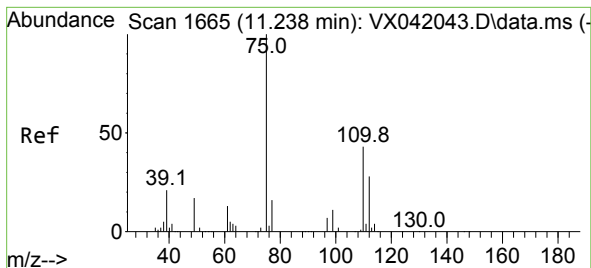
43 100

70 0.0 32.9 49.3#

55 5.3 19.3 28.9#

61 0.0 18.8 28.2#





#76

1,2,3-Trichloropropane

Concen: 24.200 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. -0.158 min

Lab File: VX042312.D

Acq: 12 Jul 2024 18:54

Instrument :

MSVOA_X

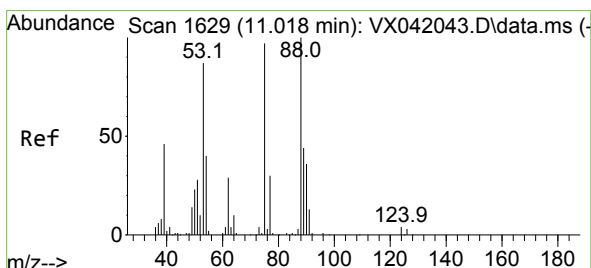
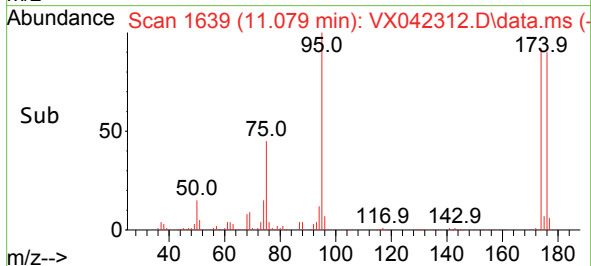
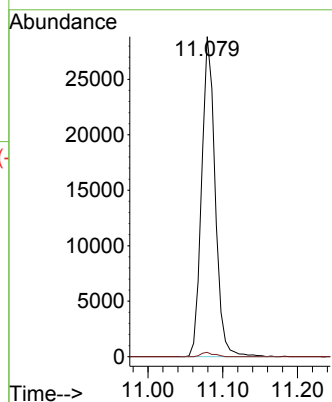
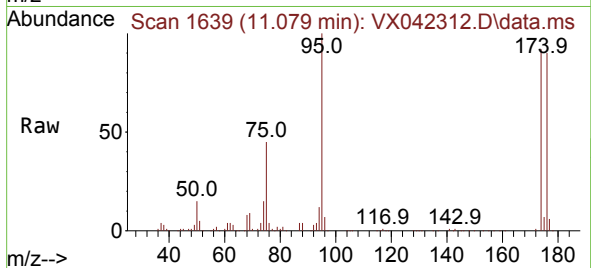
ClientSampleId :

Tgt Ion: 75 Resp: 36296

Ion Ratio Lower Upper

75 100

77 1.3 19.1 57.5#



#81

trans-1,4-Dichloro-2-butene

Concen: 68.727 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. 0.061 min

Lab File: VX042312.D

Acq: 12 Jul 2024 18:54

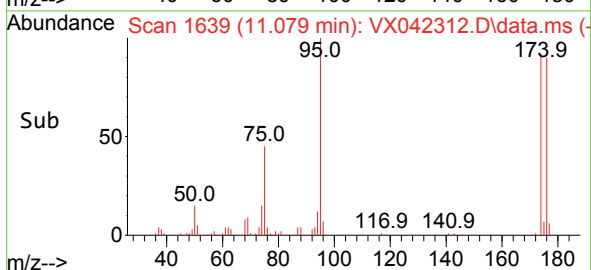
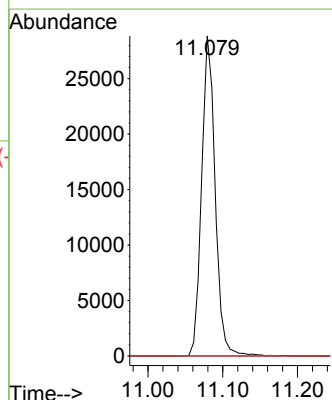
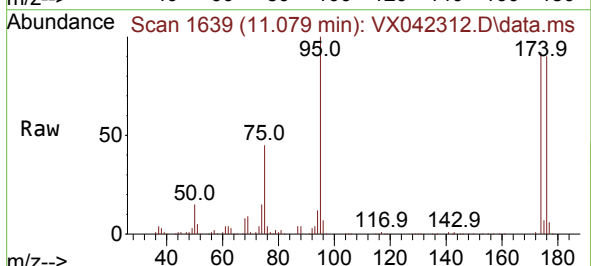
Tgt Ion: 75 Resp: 36296

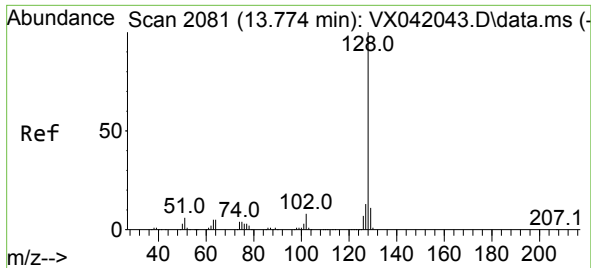
Ion Ratio Lower Upper

75 100

53 0.0 90.5 135.7#

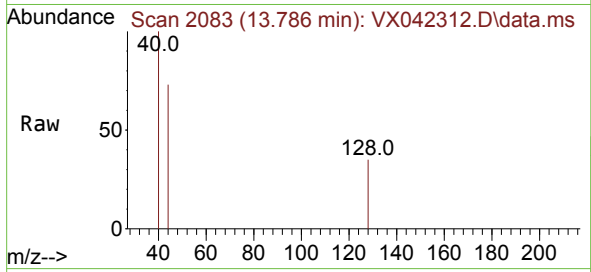
89 0.0 36.9 55.3#





#95
Naphthalene
Concen: 0.752 ug/l
RT: 13.786 min Scan# 2083
Delta R.T. 0.012 min
Lab File: VX042312.D
Acq: 12 Jul 2024 18:54

Instrument :
MSVOA_X
ClientSampleId :



Tgt Ion:	128	Resp:	27
Ion	Ratio	Lower	Upper
128	100		
127	0.0	10.3	15.5#
129	0.0	8.8	13.2#

