

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX071224\
 Data File : VX042306.D
 Acq On : 12 Jul 2024 16:35
 Operator : JC/MD
 Sample : PB162021ZHE#03
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 14 Sample Multiplier: 1

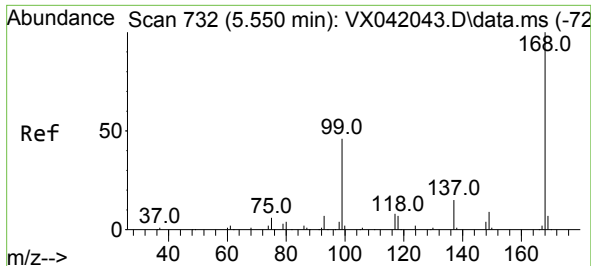
Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Jul 15 04:45:24 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)

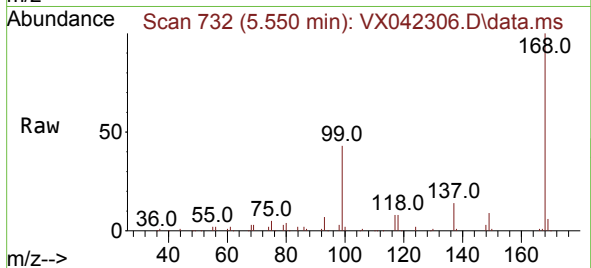
Internal Standards						
1) Pentafluorobenzene	5.550	168	123331	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	6.763	114	206658	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	185801	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	82071	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	82659	58.122	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery	= 116.240%		
35) Dibromofluoromethane	5.385	113	78227	53.348	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery	= 106.700%		
50) Toluene-d8	8.647	98	220289	42.763	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery	= 85.520%#		
62) 4-Bromofluorobenzene	11.079	95	78283	41.225	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery	= 82.460%#		
Target Compounds						Qvalue
5) Bromomethane	1.593	94	229	0.392	ug/l	99
6) Chloroethane	1.679	64	979	Below Cal	#	61
11) Tert butyl alcohol	2.989	59	228	0.845	ug/l	# 78
16) Acetone	2.386	43	24883	39.846	ug/l	93
17) Carbon Disulfide	2.508	76	549	0.253	ug/l	# 76
18) Methyl Acetate	2.709	43	2170	1.274	ug/l	98
20) Methylene Chloride	2.788	84	9736	7.120	ug/l	# 82
25) 2-Butanone	4.605	43	2069	2.130	ug/l	94
29) Tetrahydrofuran	5.050	42	435	0.693	ug/l	# 59
31) Cyclohexane	5.550	56	1584	0.952	ug/l	# 1
36) 1,1-Dichloropropene	5.550	75	6939	4.456	ug/l	# 46
37) Ethyl Acetate	4.751	43	2290	1.129	ug/l	98
38) Carbon Tetrachloride	5.550	117	10326	6.002	ug/l	# 16
42) 1,2-Dichloroethane	6.349	62	376	0.222	ug/l	# 77
43) Isopropyl Acetate	6.349	43	108538	34.861	ug/l	# 94
48) Methyl methacrylate	7.800	41	92286	62.108	ug/l	# 45
49) 1,4-Dioxane	7.806	88	225	25.540	ug/l	# 1
51) 4-Methyl-2-Pentanone	8.549	43	79851	37.232	ug/l	# 52
53) t-1,3-Dichloropropene	8.958	75	841	1.355	ug/l	# 43
54) cis-1,3-Dichloropropene	8.549	75	41946	22.180	ug/l	# 51
56) Ethyl methacrylate	9.238	69	1006	0.464	ug/l	# 1
57) 1,3-Dichloropropane	9.482	76	5667	2.518	ug/l	# 42
59) 2-Hexanone	9.482	43	67960	41.372	ug/l	# 56
74) N-amyl acetate	10.817	43	785	0.354	ug/l	# 44
76) 1,2,3-Trichloropropane	11.079	75	35893	24.091	ug/l	# 39
81) trans-1,4-Dichloro-2-b...	11.079	75	35893	68.415	ug/l	# 5
95) Naphthalene	13.792	128	253	0.790	ug/l	# 69

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

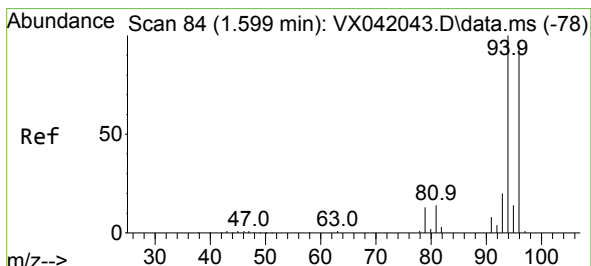
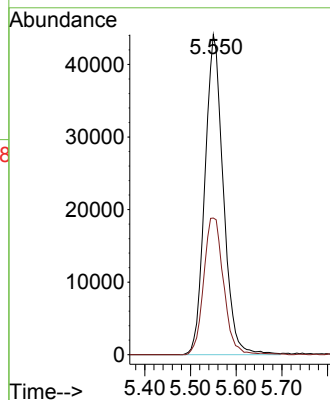
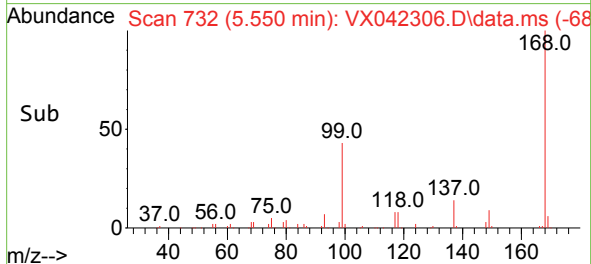


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.550 min Scan# 71
Delta R.T. -0.000 min
Lab File: VX042306.D
Acq: 12 Jul 2024 16:35

Instrument :
MSVOA_X
ClientSampleId :

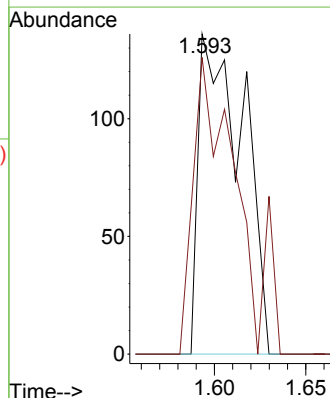
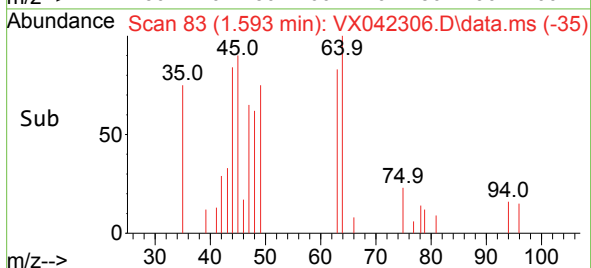
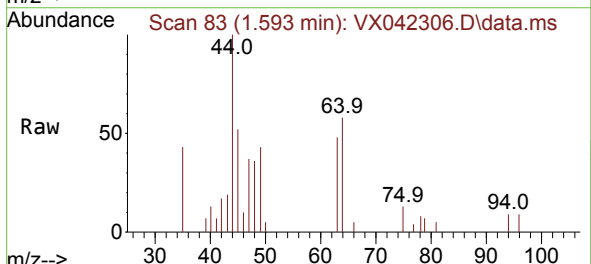


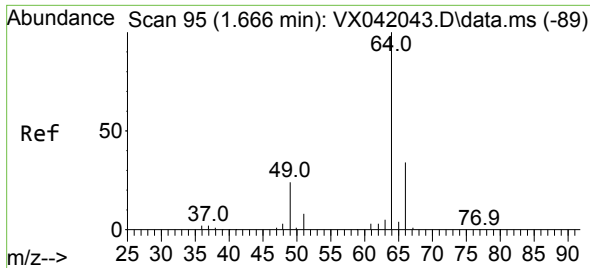
Tgt Ion:168 Resp: 123331
Ion Ratio Lower Upper
168 100
99 42.7 56.6 85.0#



#5
Bromomethane
Concen: 0.392 ug/l
RT: 1.593 min Scan# 83
Delta R.T. -0.006 min
Lab File: VX042306.D
Acq: 12 Jul 2024 16:35

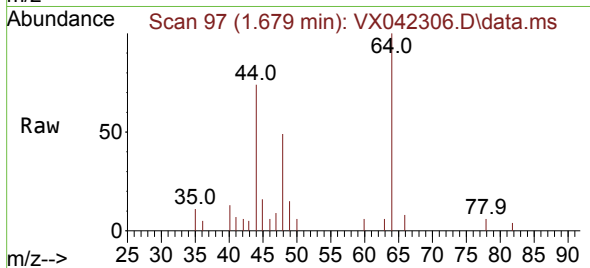
Tgt Ion: 94 Resp: 229
Ion Ratio Lower Upper
94 100
96 92.6 74.6 111.8



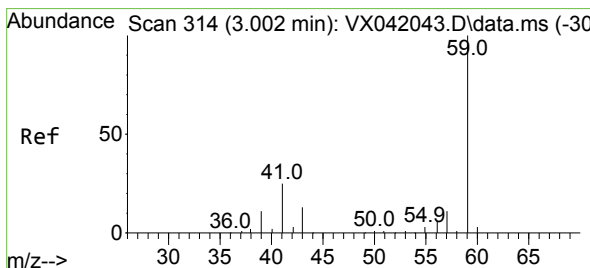
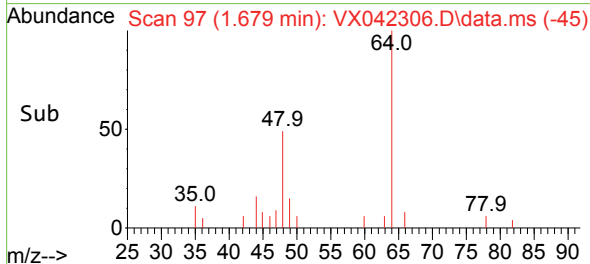
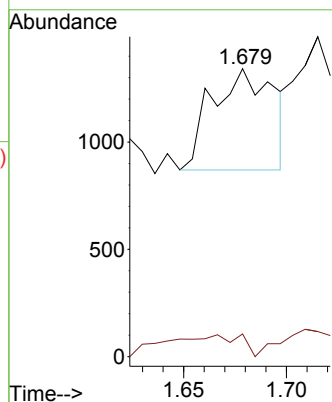


#6
Chloroethane
Concen: Below Cal
RT: 1.679 min Scan# 91
Delta R.T. 0.019 min
Lab File: VX042306.D
Acq: 12 Jul 2024 16:35

Instrument :
MSVOA_X
ClientSampleId :

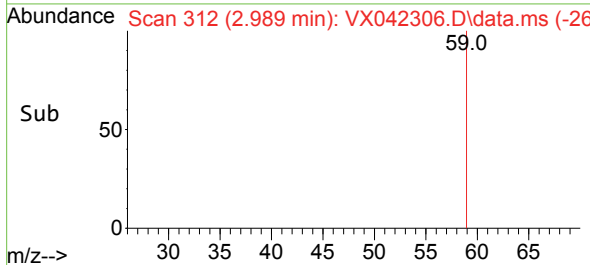
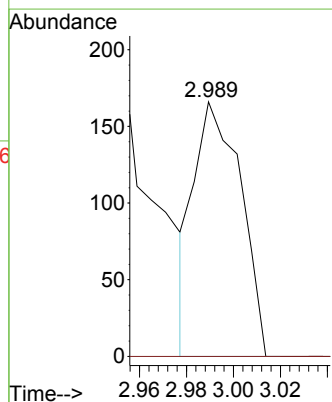
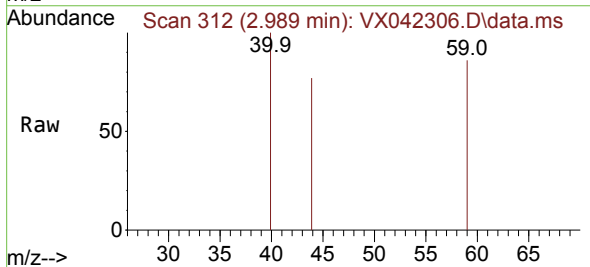


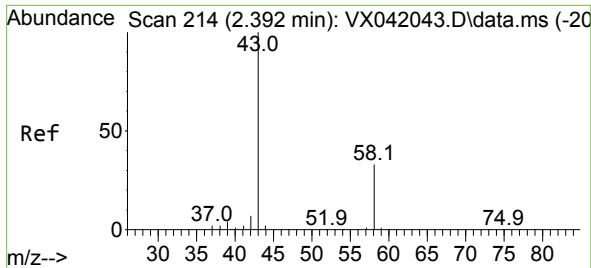
Tgt Ion: 64 Resp: 979
Ion Ratio Lower Upper
64 100
66 9.7 25.1 37.7#



#11
Tert butyl alcohol
Concen: 0.845 ug/l
RT: 2.989 min Scan# 312
Delta R.T. -0.018 min
Lab File: VX042306.D
Acq: 12 Jul 2024 16:35

Tgt Ion: 59 Resp: 228
Ion Ratio Lower Upper
59 100
57 0.0 6.0 9.0#

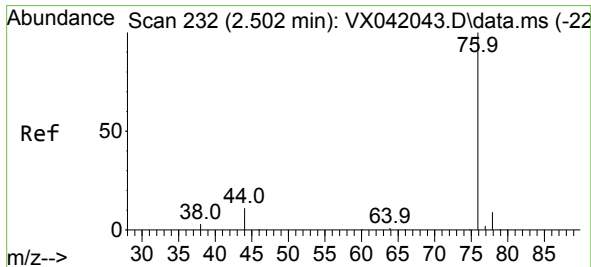
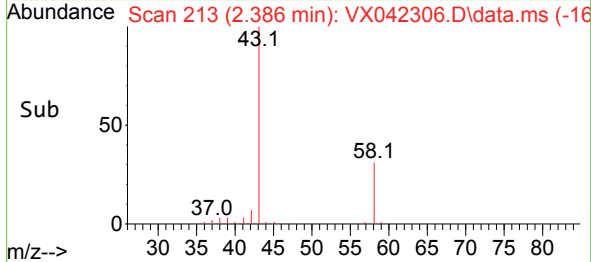
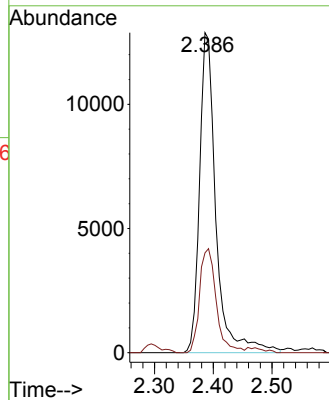
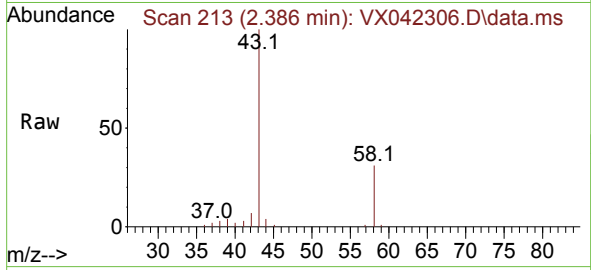




#16
Acetone
Concen: 39.846 ug/l
RT: 2.386 min Scan# 214
Delta R.T. -0.012 min
Lab File: VX042306.D
Acq: 12 Jul 2024 16:35

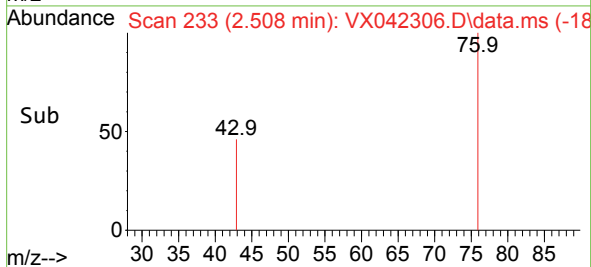
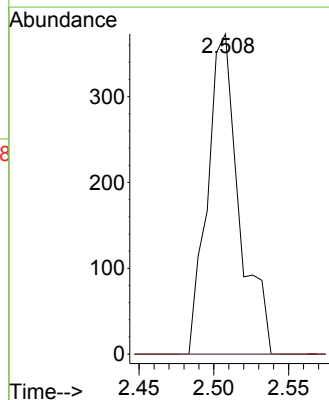
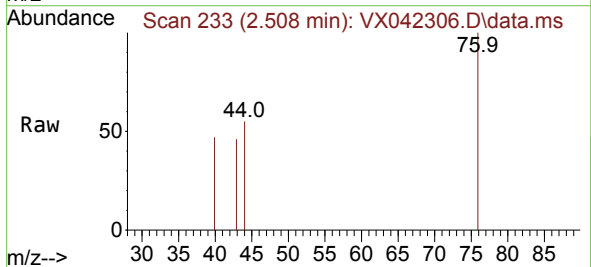
Instrument :
MSVOA_X
ClientSampleId :

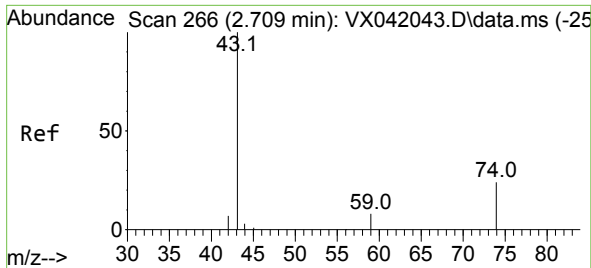
Tgt Ion: 43 Resp: 24883
Ion Ratio Lower Upper
43 100
58 31.2 21.9 32.9



#17
Carbon Disulfide
Concen: 0.253 ug/l
RT: 2.508 min Scan# 233
Delta R.T. 0.006 min
Lab File: VX042306.D
Acq: 12 Jul 2024 16:35

Tgt Ion: 76 Resp: 549
Ion Ratio Lower Upper
76 100
78 0.0 7.0 10.6#





#18

Methyl Acetate

Concen: 1.274 ug/l

RT: 2.709 min Scan# 2

Delta R.T. 0.000 min

Lab File: VX042306.D

Acq: 12 Jul 2024 16:35

Instrument :

MSVOA_X

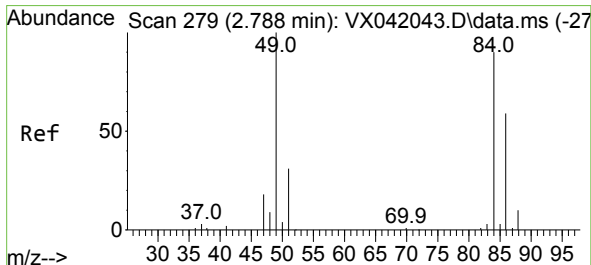
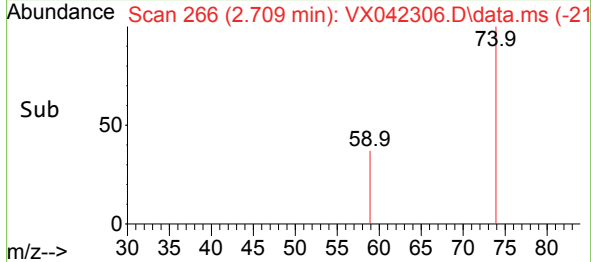
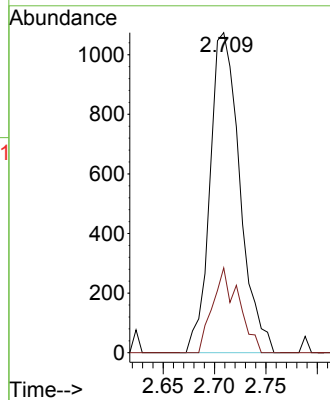
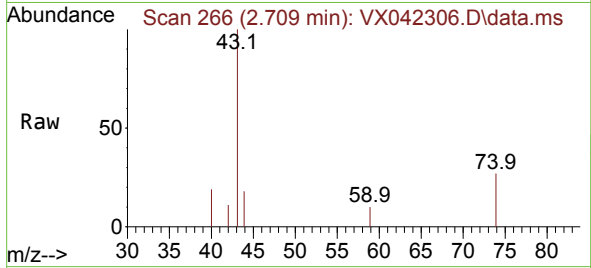
ClientSampleId :

Tgt Ion: 43 Resp: 2170

Ion Ratio Lower Upper

43 100

74 23.3 17.8 26.8



#20

Methylene Chloride

Concen: 7.120 ug/l

RT: 2.788 min Scan# 279

Delta R.T. 0.006 min

Lab File: VX042306.D

Acq: 12 Jul 2024 16:35

Tgt Ion: 84 Resp: 9736

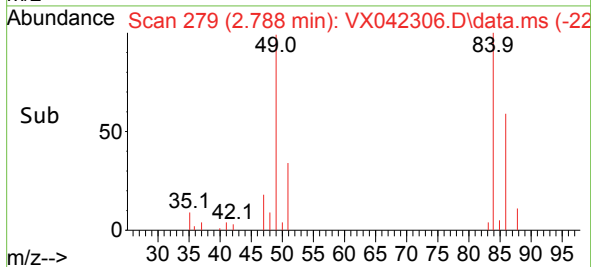
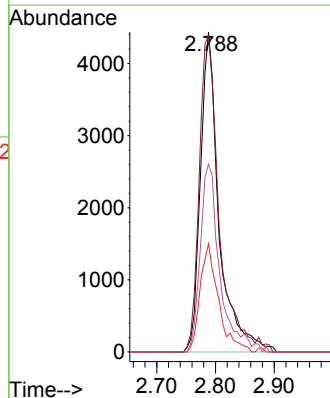
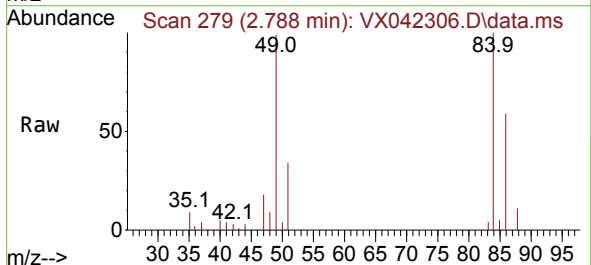
Ion Ratio Lower Upper

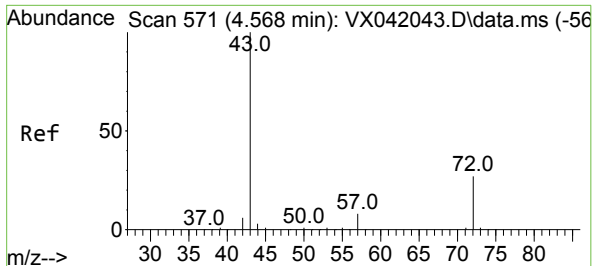
84 100

49 98.9 103.6 155.4#

51 33.8 33.8 50.6

86 58.7 49.4 74.0

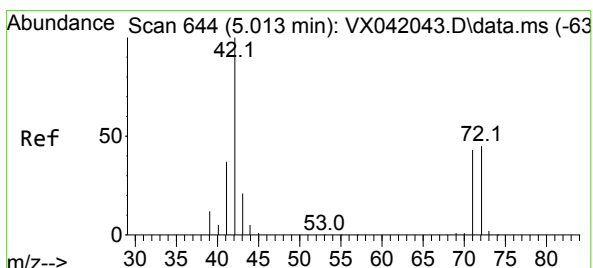
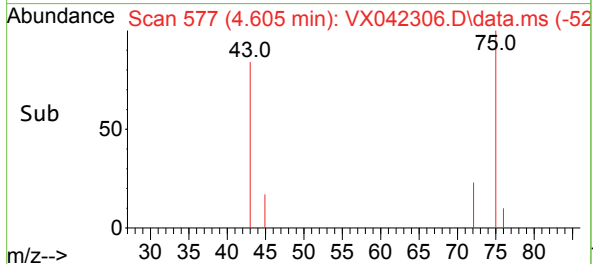
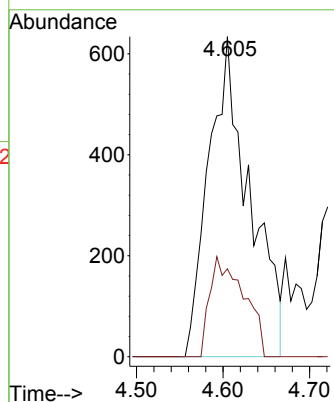
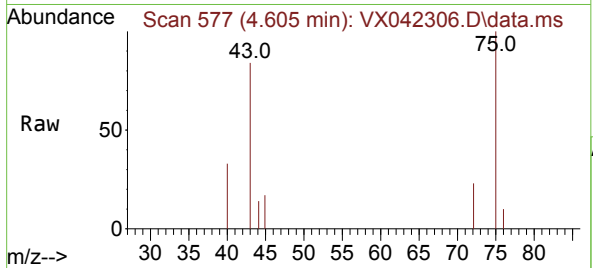




#25
2-Butanone
Concen: 2.130 ug/l
RT: 4.605 min Scan# 51
Delta R.T. 0.031 min
Lab File: VX042306.D
Acq: 12 Jul 2024 16:35

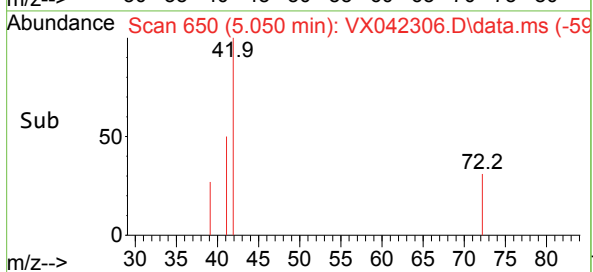
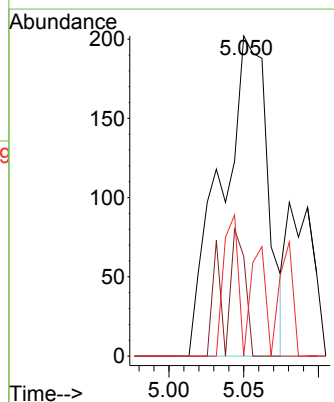
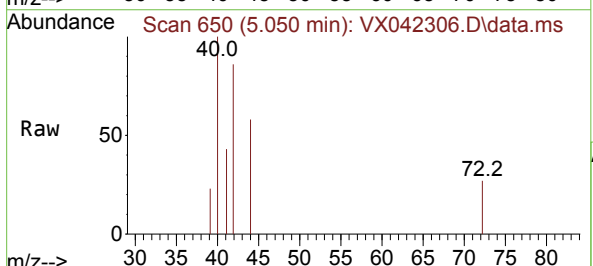
Instrument :
MSVOA_X
ClientSampleId :

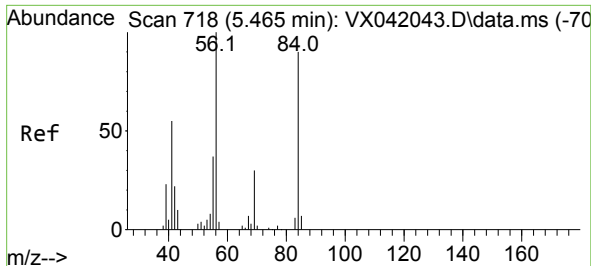
Tgt Ion: 43 Resp: 2069
Ion Ratio Lower Upper
43 100
72 27.4 19.4 29.2



#29
Tetrahydrofuran
Concen: 0.693 ug/l
RT: 5.050 min Scan# 650
Delta R.T. 0.031 min
Lab File: VX042306.D
Acq: 12 Jul 2024 16:35

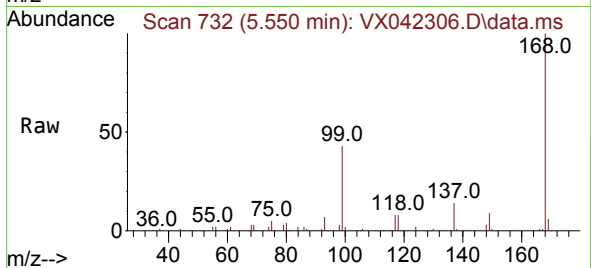
Tgt Ion: 42 Resp: 435
Ion Ratio Lower Upper
42 100
72 18.2 34.2 51.4#
71 13.8 32.2 48.2#



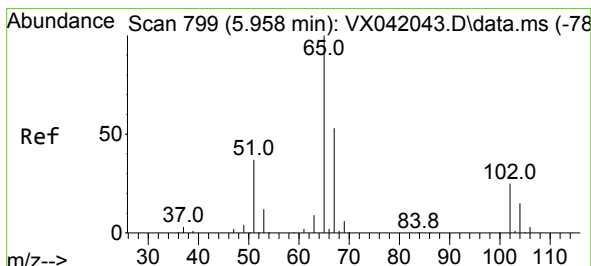
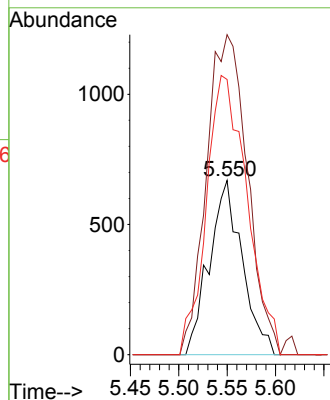
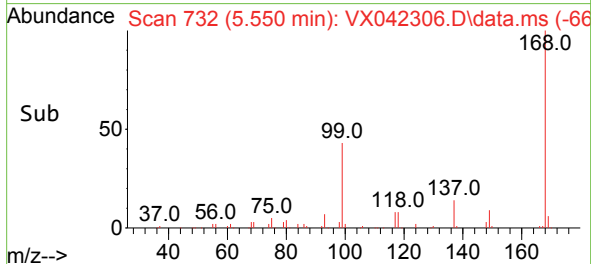


#31
Cyclohexane
Concen: 0.952 ug/l
RT: 5.550 min Scan# 718
Delta R.T. 0.086 min
Lab File: VX042306.D
Acq: 12 Jul 2024 16:35

Instrument :
MSVOA_X
ClientSampleId :

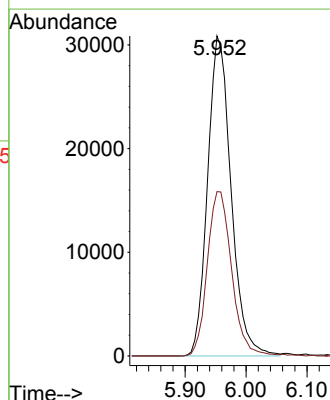
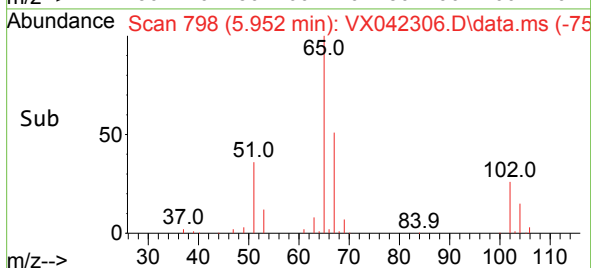
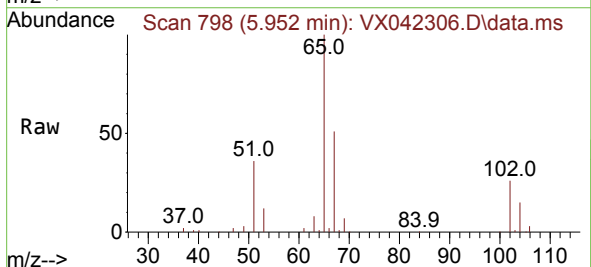


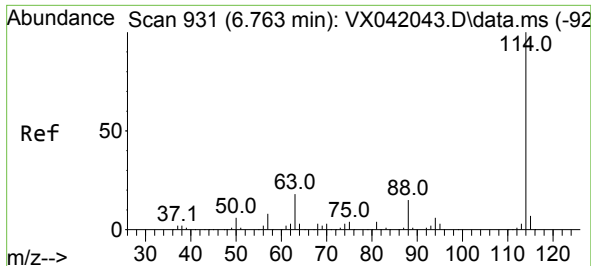
Tgt Ion: 56 Resp: 1584
Ion Ratio Lower Upper
56 100
69 183.7 23.4 35.2#
84 158.0 65.9 98.9#



#33
1,2-Dichloroethane-d4
Concen: 58.122 ug/l
RT: 5.952 min Scan# 798
Delta R.T. -0.006 min
Lab File: VX042306.D
Acq: 12 Jul 2024 16:35

Tgt Ion: 65 Resp: 82659
Ion Ratio Lower Upper
65 100
67 53.4 0.0 100.2

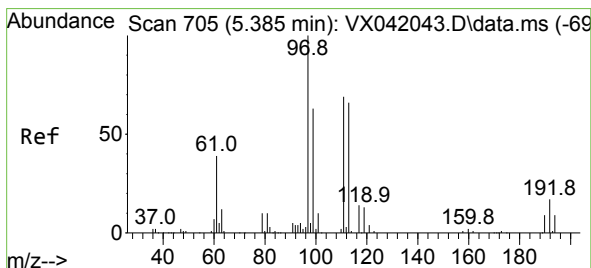
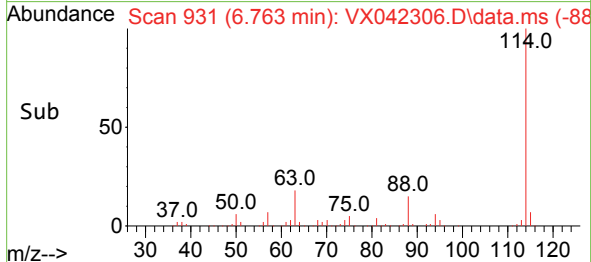
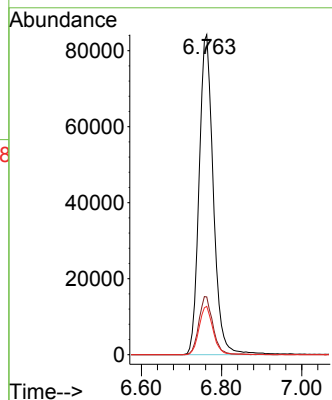
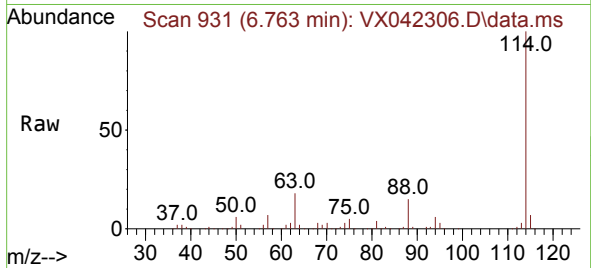




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.763 min Scan# 91
Delta R.T. 0.000 min
Lab File: VX042306.D
Acq: 12 Jul 2024 16:35

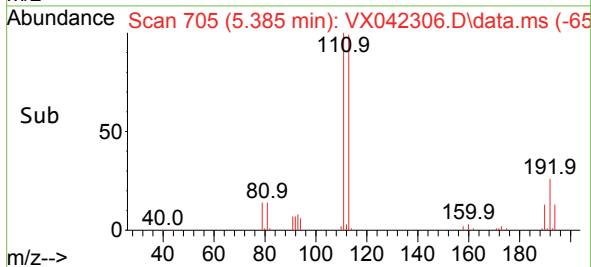
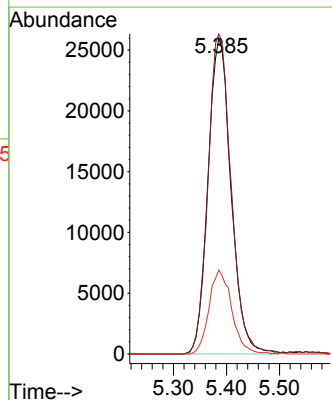
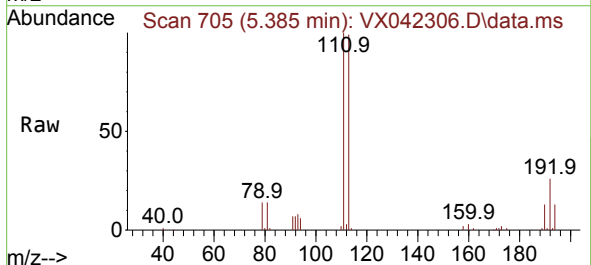
Instrument :
MSVOA_X
ClientSampleId :

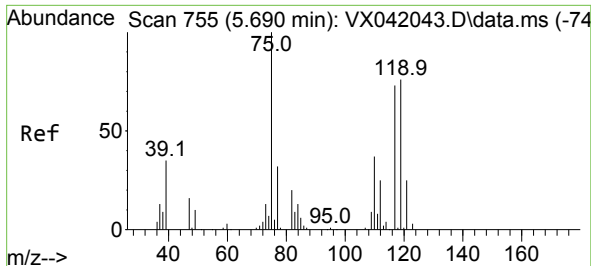
Tgt Ion:114 Resp: 206658
Ion Ratio Lower Upper
114 100
63 18.0 0.0 45.0
88 15.1 0.0 36.6



#35
Dibromofluoromethane
Concen: 53.348 ug/l
RT: 5.385 min Scan# 705
Delta R.T. -0.006 min
Lab File: VX042306.D
Acq: 12 Jul 2024 16:35

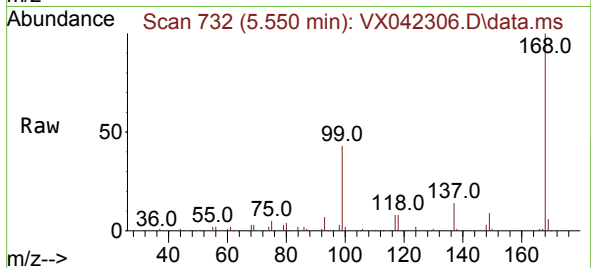
Tgt Ion:113 Resp: 78227
Ion Ratio Lower Upper
113 100
111 102.0 82.9 124.3
192 26.2 13.3 19.9#



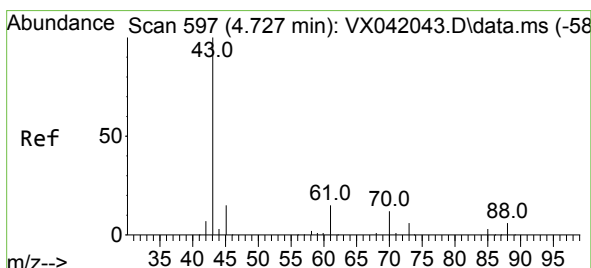
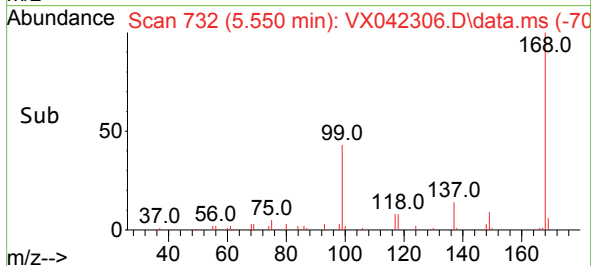
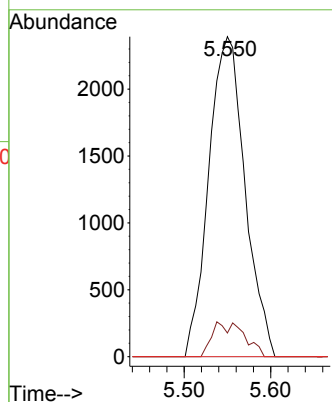


#36
1,1-Dichloropropene
Concen: 4.456 ug/l
RT: 5.550 min Scan# 71
Delta R.T. -0.140 min
Lab File: VX042306.D
Acq: 12 Jul 2024 16:35

Instrument :
MSVOA_X
ClientSampleId :

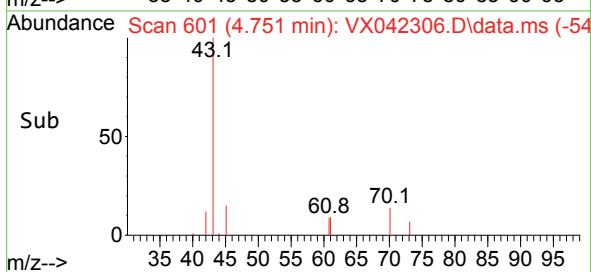
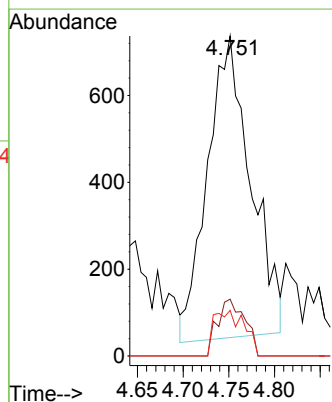
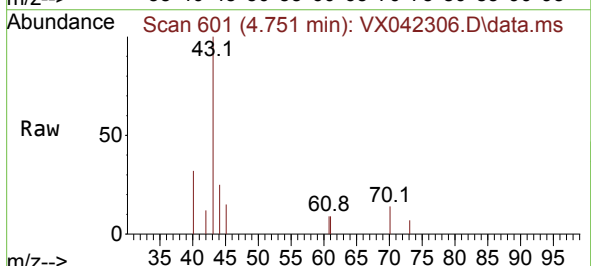


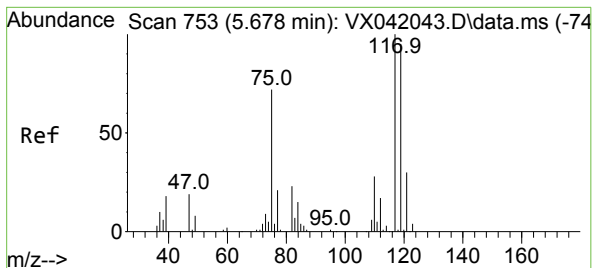
Tgt Ion: 75 Resp: 6939
Ion Ratio Lower Upper
75 100
110 4.7 17.0 50.9#
77 0.0 24.7 37.1#



#37
Ethyl Acetate
Concen: 1.129 ug/l
RT: 4.751 min Scan# 601
Delta R.T. 0.025 min
Lab File: VX042306.D
Acq: 12 Jul 2024 16:35

Tgt Ion: 43 Resp: 2290
Ion Ratio Lower Upper
43 100
61 11.9 10.6 16.0
70 10.6 8.3 12.5





#38

Carbon Tetrachloride

Concen: 6.002 ug/l

RT: 5.550 min Scan# 71

Delta R.T. -0.128 min

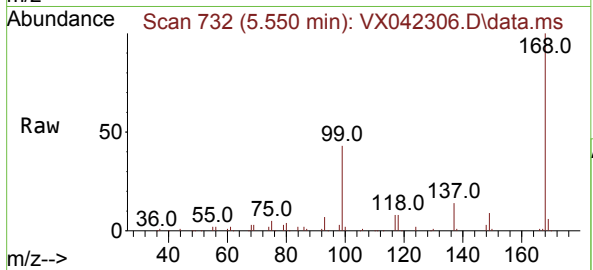
Lab File: VX042306.D

Acq: 12 Jul 2024 16:35

Instrument :

MSVOA_X

ClientSampleId :



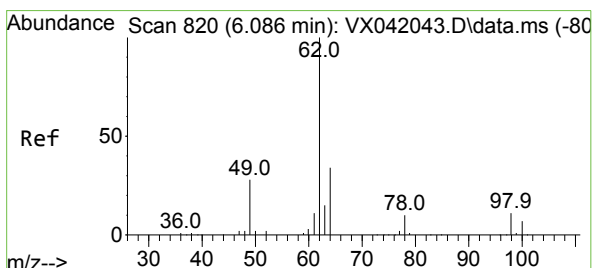
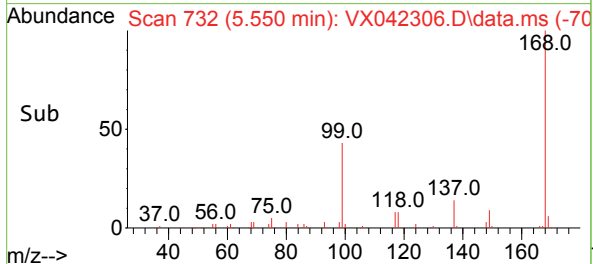
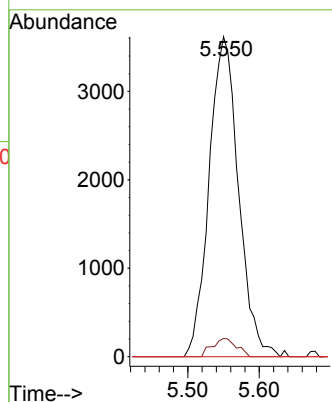
Tgt Ion:117 Resp: 10326

Ion Ratio Lower Upper

117 100

119 5.7 78.2 117.2#

121 0.0 24.4 36.6#



#42

1,2-Dichloroethane

Concen: 0.222 ug/l

RT: 6.349 min Scan# 863

Delta R.T. 0.262 min

Lab File: VX042306.D

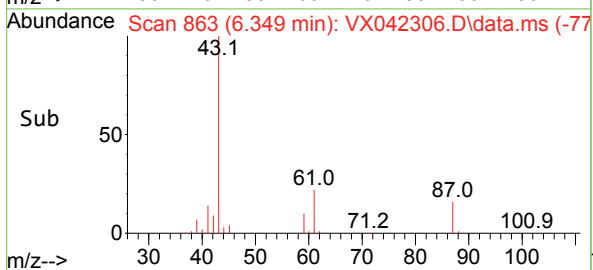
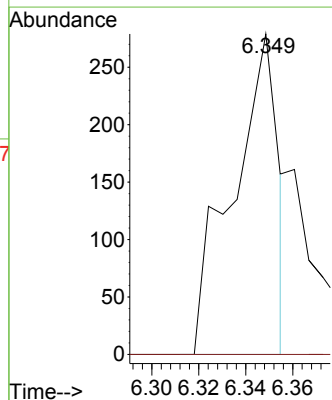
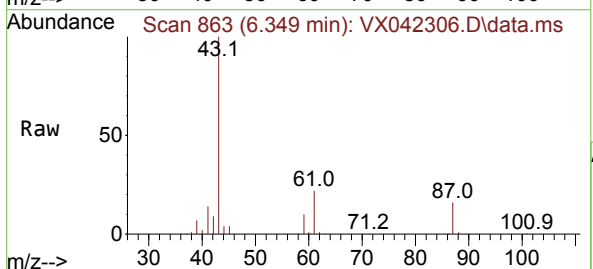
Acq: 12 Jul 2024 16:35

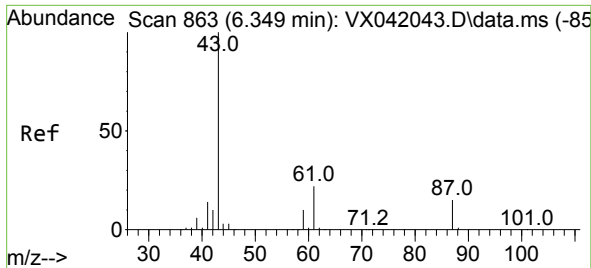
Tgt Ion: 62 Resp: 376

Ion Ratio Lower Upper

62 100

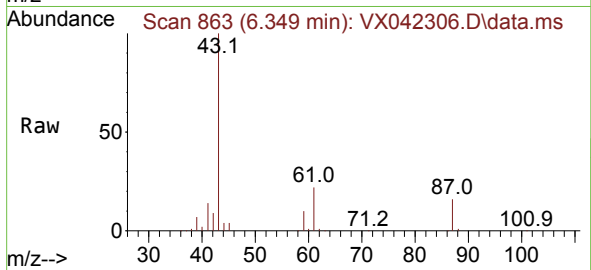
98 0.0 0.0 16.0



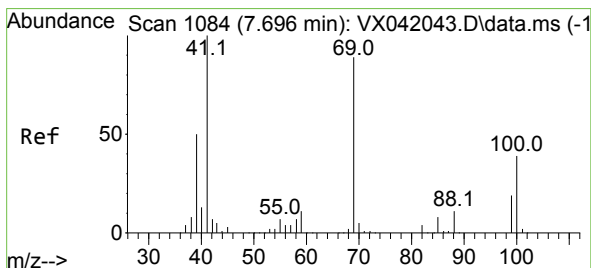
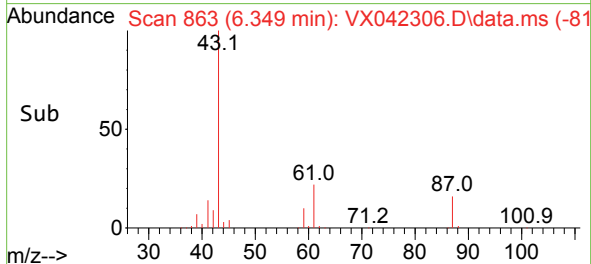
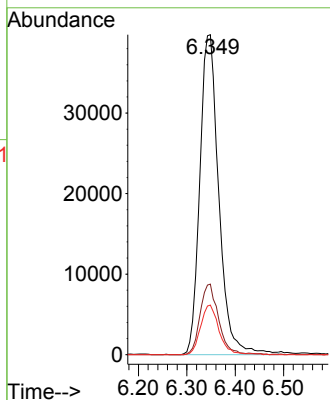


#43
Isopropyl Acetate
Concen: 34.861 ug/l
RT: 6.349 min Scan# 80
Delta R.T. 0.000 min
Lab File: VX042306.D
Acq: 12 Jul 2024 16:35

Instrument :
MSVOA_X
ClientSampleId :

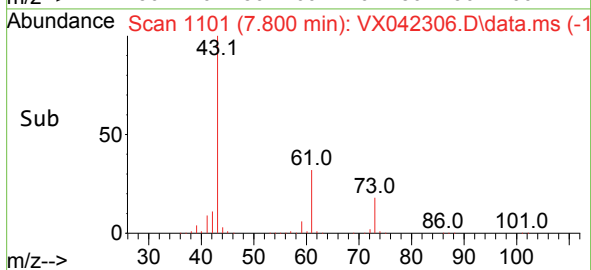
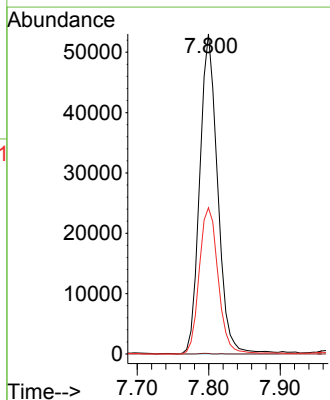
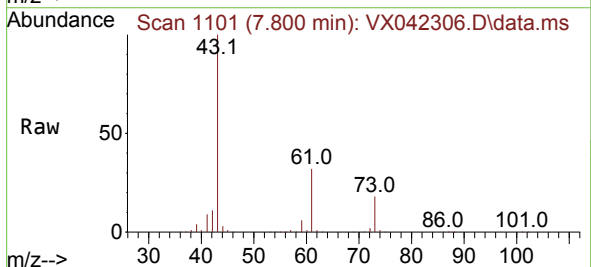


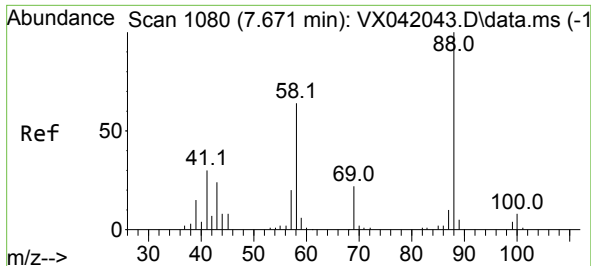
Tgt Ion: 43 Resp: 108538
Ion Ratio Lower Upper
43 100
61 21.5 15.2 22.8
87 15.1 9.8 14.6#



#48
Methyl methacrylate
Concen: 62.108 ug/l
RT: 7.800 min Scan# 1101
Delta R.T. 0.104 min
Lab File: VX042306.D
Acq: 12 Jul 2024 16:35

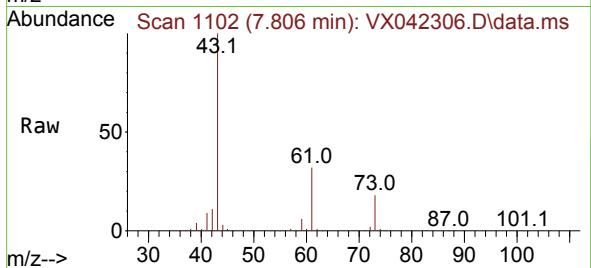
Tgt Ion: 41 Resp: 92286
Ion Ratio Lower Upper
41 100
69 0.1 59.2 88.8#
39 48.1 47.7 71.5



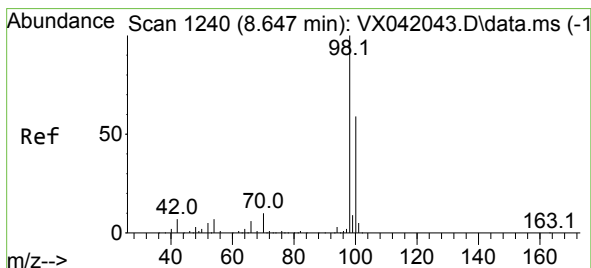
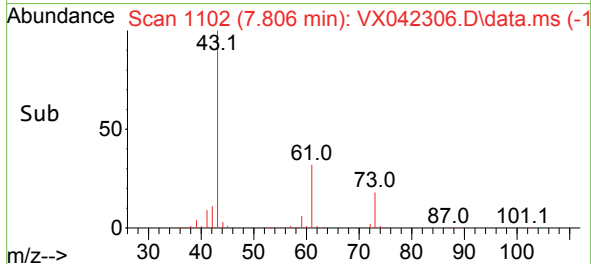
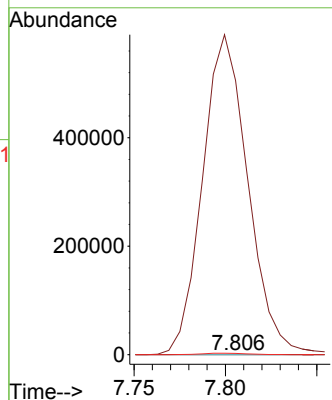


#49
1,4-Dioxane
Concen: 25.540 ug/l
RT: 7.806 min Scan# 1102
Delta R.T. 0.141 min
Lab File: VX042306.D
Acq: 12 Jul 2024 16:35

Instrument :
MSVOA_X
ClientSampleId :

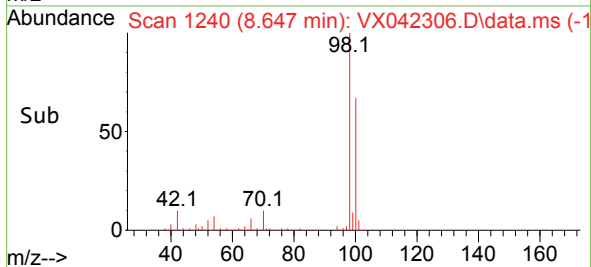
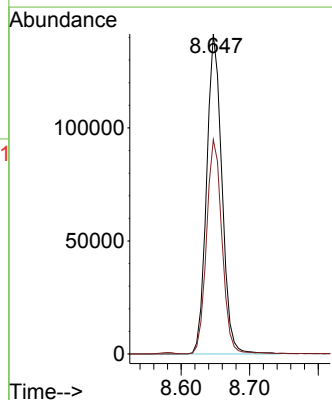
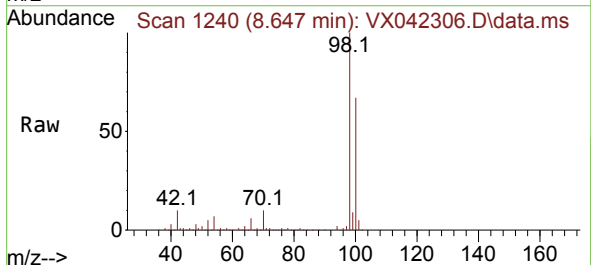


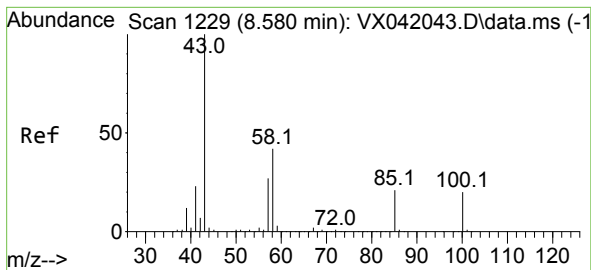
Tgt Ion: 88 Resp: 225
Ion Ratio Lower Upper
88 100
43 459604.0 0.0 0.0#
58 2137.3 60.1 90.1#



#50
Toluene-d8
Concen: 42.763 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. 0.000 min
Lab File: VX042306.D
Acq: 12 Jul 2024 16:35

Tgt Ion: 98 Resp: 220289
Ion Ratio Lower Upper
98 100
100 67.6 53.1 79.7

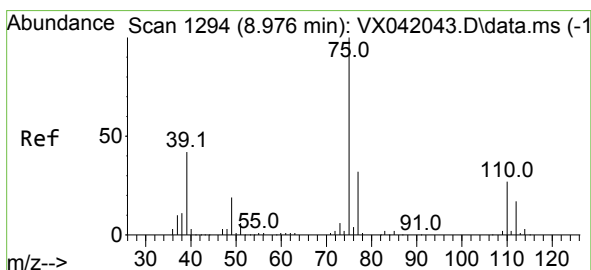
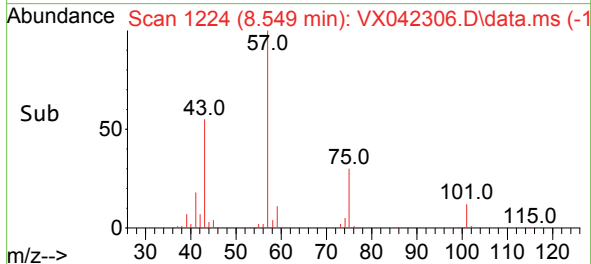
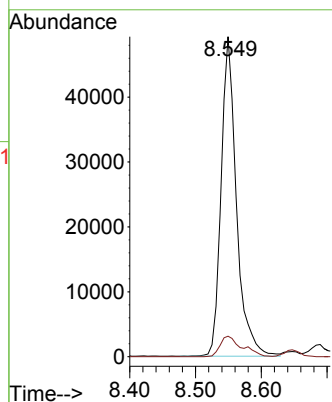
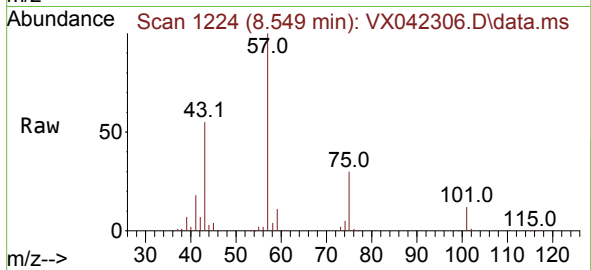




#51
4-Methyl-2-Pentanone
Concen: 37.232 ug/l
RT: 8.549 min Scan# 1224
Delta R.T. -0.030 min
Lab File: VX042306.D
Acq: 12 Jul 2024 16:35

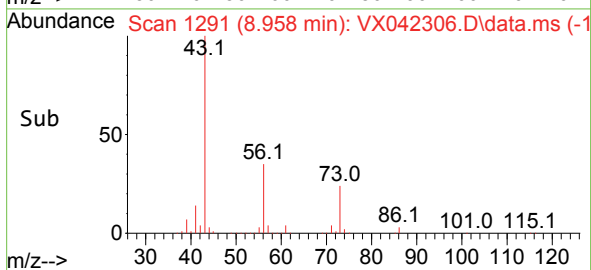
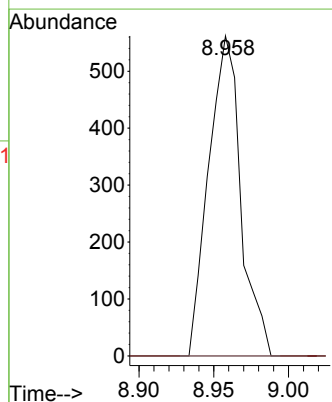
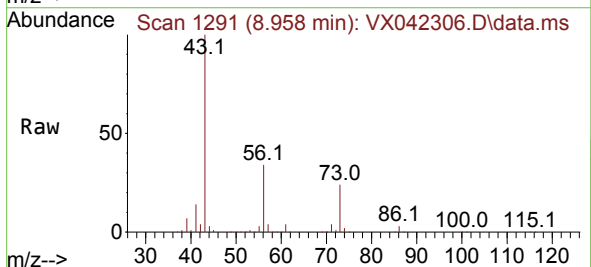
Instrument :
MSVOA_X
ClientSampleId :

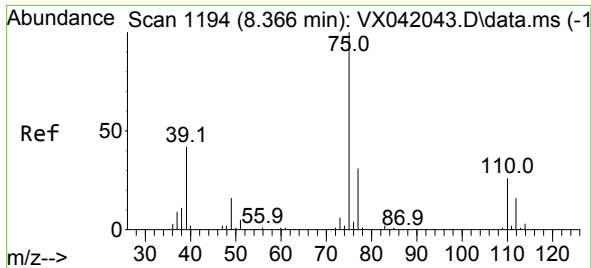
Tgt Ion: 43 Resp: 79851
Ion Ratio Lower Upper
43 100
58 9.2 30.4 45.6#



#53
t-1,3-Dichloropropene
Concen: 1.355 ug/l
RT: 8.958 min Scan# 1291
Delta R.T. -0.024 min
Lab File: VX042306.D
Acq: 12 Jul 2024 16:35

Tgt Ion: 75 Resp: 841
Ion Ratio Lower Upper
75 100
77 0.0 25.7 38.5#

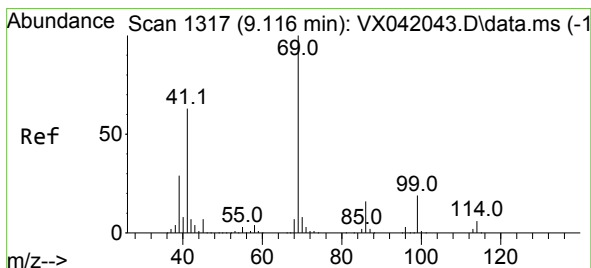
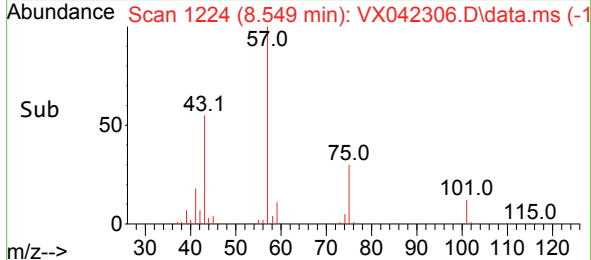
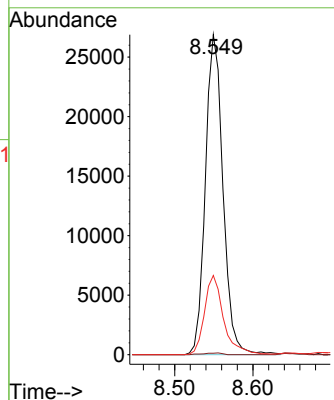
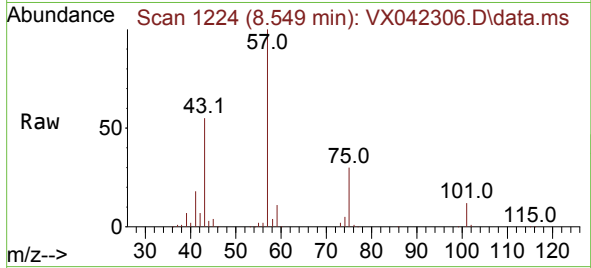




#54
 cis-1,3-Dichloropropene
 Concen: 22.180 ug/l
 RT: 8.549 min Scan# 1194
 Delta R.T. 0.183 min
 Lab File: VX042306.D
 Acq: 12 Jul 2024 16:35

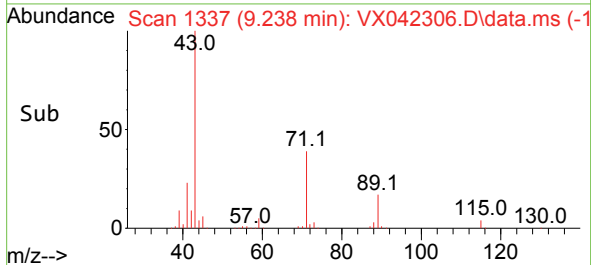
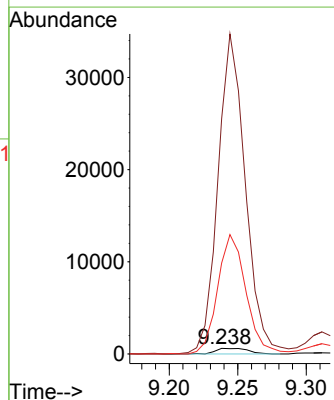
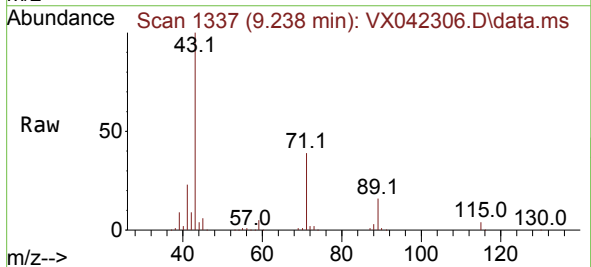
Instrument :
 MSVOA_X
 ClientSampleId :

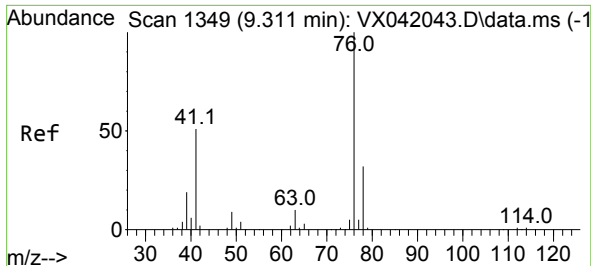
Tgt Ion: 75 Resp: 41946
 Ion Ratio Lower Upper
 75 100
 77 0.5 25.3 37.9#
 39 24.7 46.7 70.1#



#56
 Ethyl methacrylate
 Concen: 0.464 ug/l
 RT: 9.238 min Scan# 1337
 Delta R.T. 0.116 min
 Lab File: VX042306.D
 Acq: 12 Jul 2024 16:35

Tgt Ion: 69 Resp: 1006
 Ion Ratio Lower Upper
 69 100
 41 4805.6 56.8 85.2#
 39 1852.5 32.0 48.0#





#57

1,3-Dichloropropane

Concen: 2.518 ug/l

RT: 9.482 min Scan# 1377

Delta R.T. 0.171 min

Lab File: VX042306.D

Acq: 12 Jul 2024 16:35

Instrument :

MSVOA_X

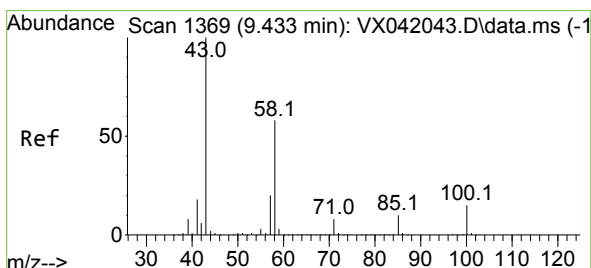
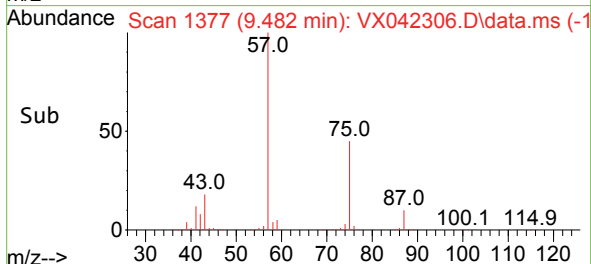
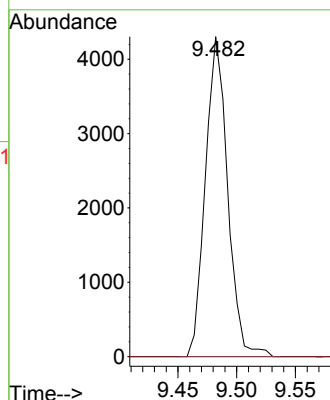
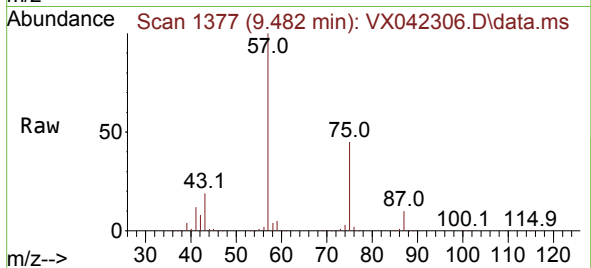
ClientSampleId :

Tgt Ion: 76 Resp: 5667

Ion Ratio Lower Upper

76 100

78 0.0 26.1 39.1#



#59

2-Hexanone

Concen: 41.372 ug/l

RT: 9.482 min Scan# 1377

Delta R.T. 0.049 min

Lab File: VX042306.D

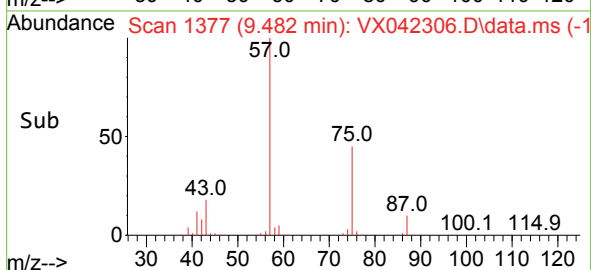
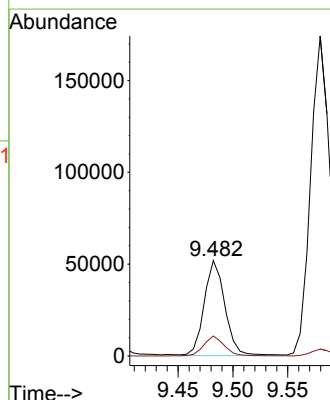
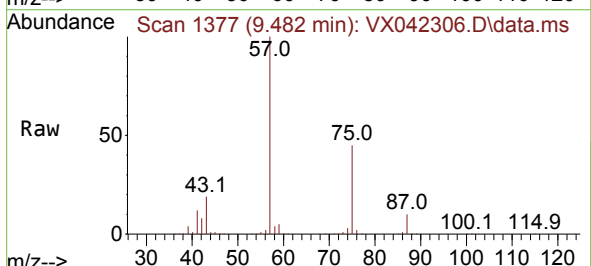
Acq: 12 Jul 2024 16:35

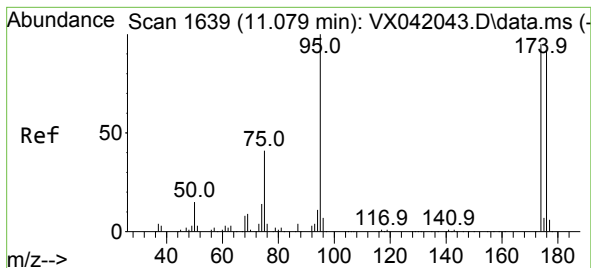
Tgt Ion: 43 Resp: 67960

Ion Ratio Lower Upper

43 100

58 21.0 26.2 78.5#





#62

4-Bromofluorobenzene

Concen: 41.225 ug/l

RT: 11.079 min Scan# 1

Delta R.T. 0.000 min

Lab File: VX042306.D

Acq: 12 Jul 2024 16:35

Instrument :

MSVOA_X

ClientSampleId :

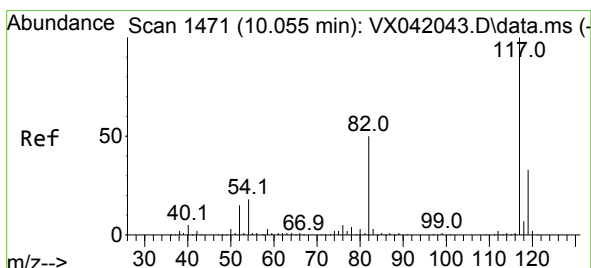
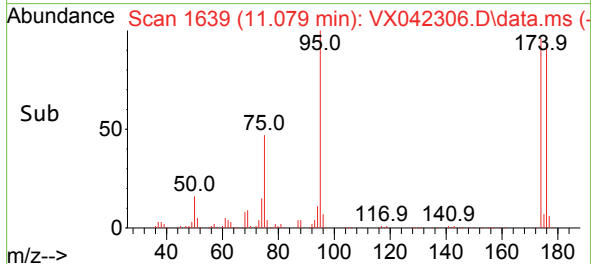
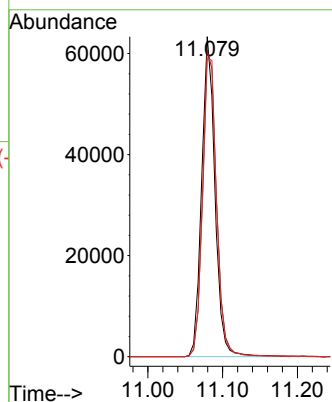
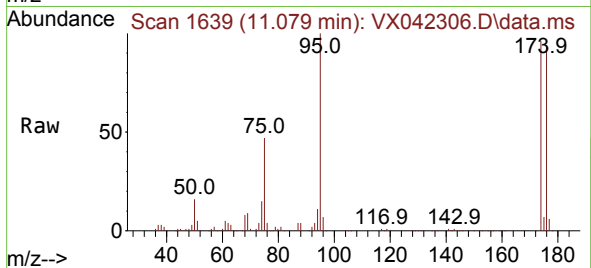
Tgt Ion: 95 Resp: 78283

Ion Ratio Lower Upper

95 100

174 100.5 0.0 135.6

176 98.7 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: VX042306.D

Acq: 12 Jul 2024 16:35

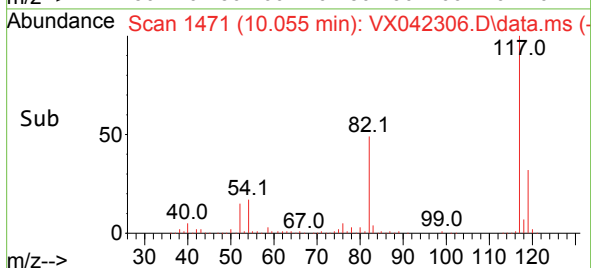
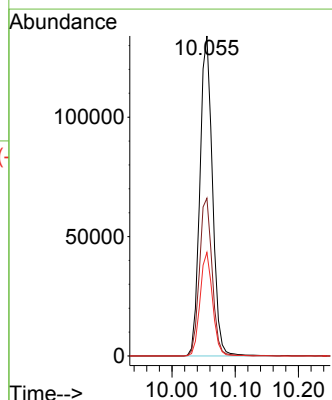
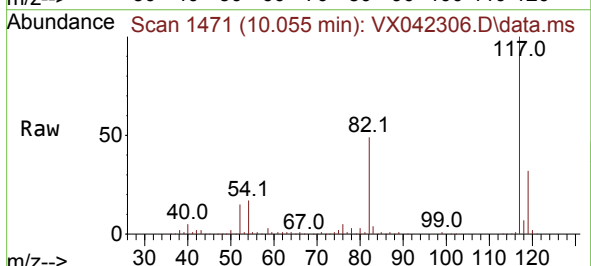
Tgt Ion: 117 Resp: 185801

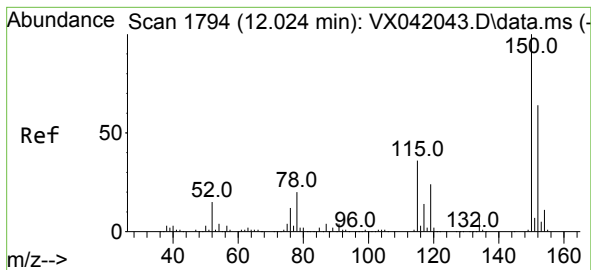
Ion Ratio Lower Upper

117 100

82 49.3 46.2 69.4

119 32.4 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: VX042306.D

Acq: 12 Jul 2024 16:35

Instrument :

MSVOA_X

ClientSampleId :

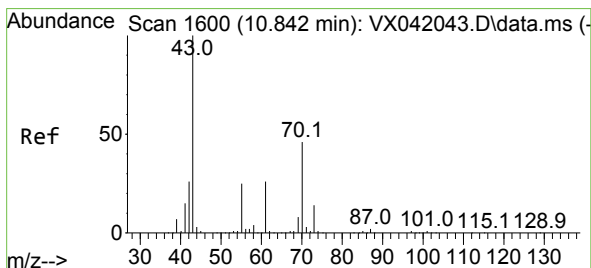
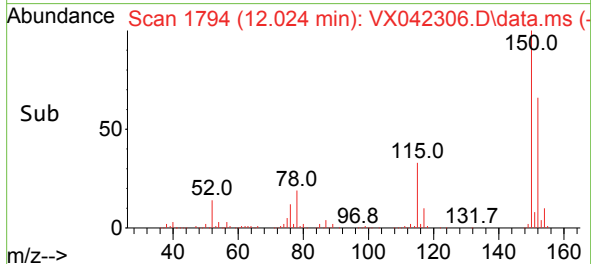
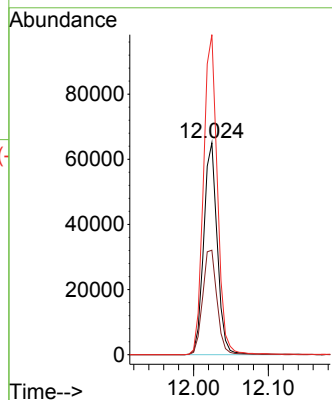
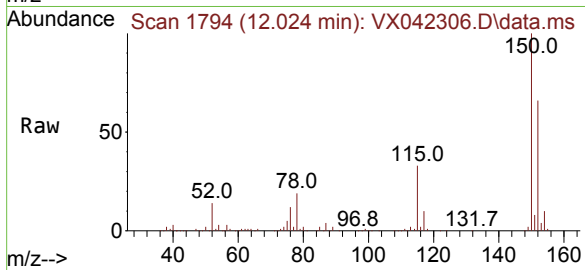
Tgt Ion:152 Resp: 82071

Ion Ratio Lower Upper

152 100

115 52.3 43.3 129.9

150 154.3 0.0 345.0



#74

N-ethyl acetate

Concen: 0.354 ug/l

RT: 10.817 min Scan# 1596

Delta R.T. -0.024 min

Lab File: VX042306.D

Acq: 12 Jul 2024 16:35

Tgt Ion: 43 Resp: 785

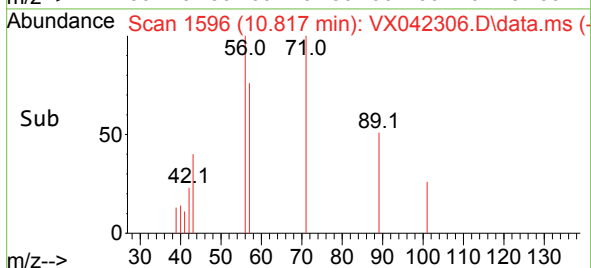
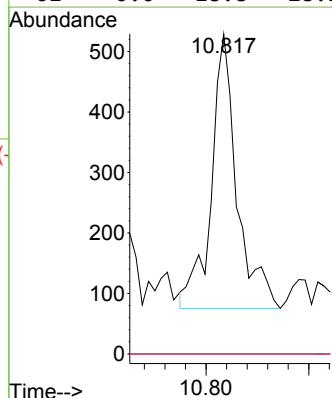
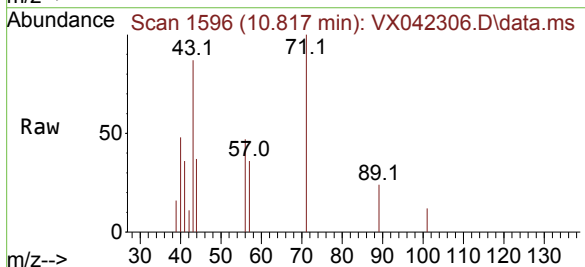
Ion Ratio Lower Upper

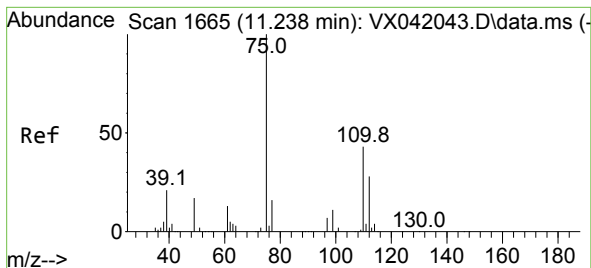
43 100

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: 24.091 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. -0.158 min

Lab File: VX042306.D

Acq: 12 Jul 2024 16:35

Instrument :

MSVOA_X

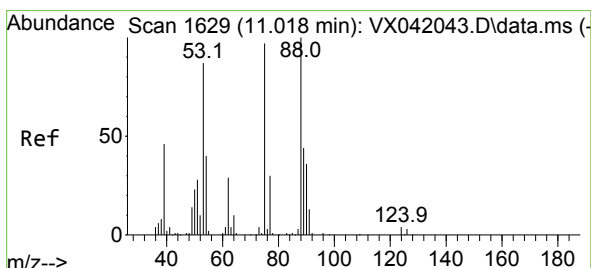
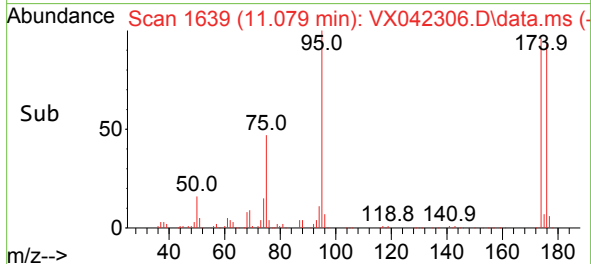
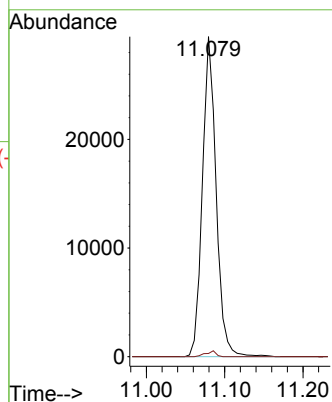
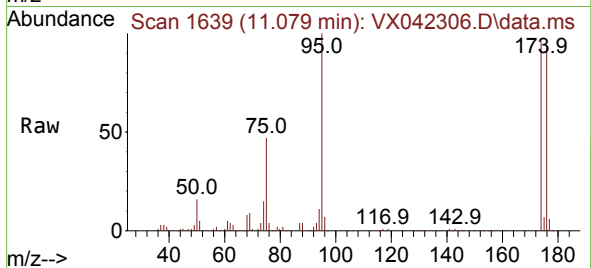
ClientSampleId :

Tgt Ion: 75 Resp: 35893

Ion Ratio Lower Upper

75 100

77 1.3 19.1 57.5#



#81

trans-1,4-Dichloro-2-butene

Concen: 68.415 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. 0.061 min

Lab File: VX042306.D

Acq: 12 Jul 2024 16:35

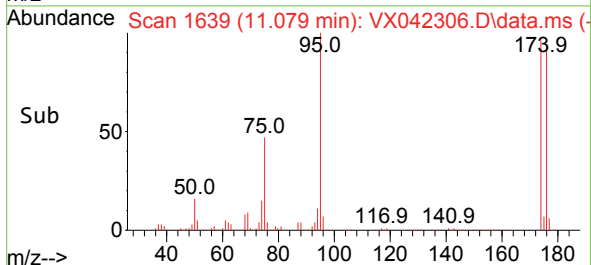
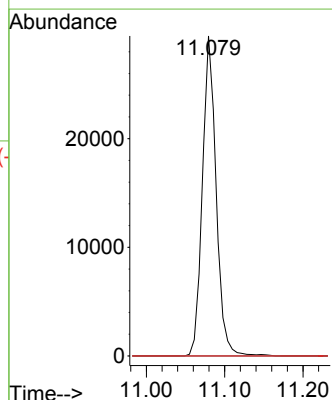
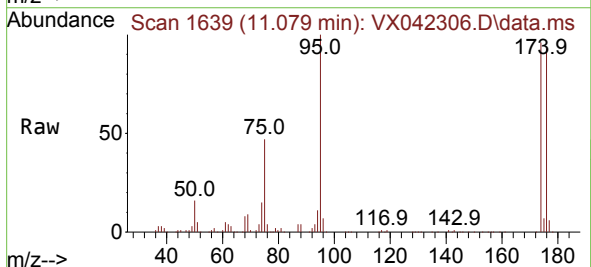
Tgt Ion: 75 Resp: 35893

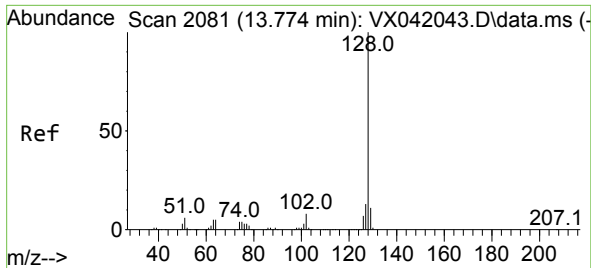
Ion Ratio Lower Upper

75 100

53 0.0 90.5 135.7#

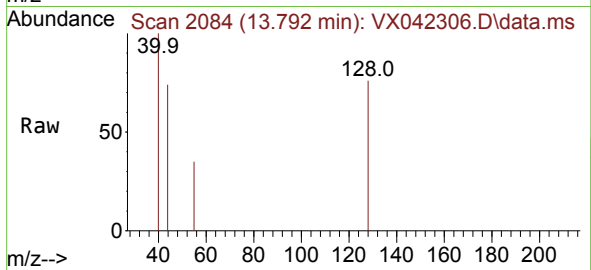
89 0.0 36.9 55.3#





#95
Naphthalene
Concen: 0.790 ug/l
RT: 13.792 min Scan# 2084
Delta R.T. 0.018 min
Lab File: VX042306.D
Acq: 12 Jul 2024 16:35

Instrument :
MSVOA_X
ClientSampleId :



Tgt Ion:	128	Resp:	253
Ion	Ratio	Lower	Upper
128	100		
127	0.0	10.3	15.5#
129	0.0	8.8	13.2#

