

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX071224\
 Data File : VX042307.D
 Acq On : 12 Jul 2024 16:58
 Operator : JC/MD
 Sample : PB162021ZHE#04
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

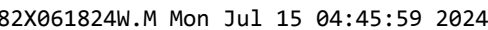
Quant Time: Jul 15 04:45:49 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X061824W.M
 Quant Title : SW846 8260
 QLast Update : Fri Jun 21 23:51:58 2024
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	5.550	168	158879	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	6.763	114	248963	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	244630	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	115414	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	84377	46.055	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery =	92.120%		
35) Dibromofluoromethane	5.385	113	82027	46.434	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	92.860%		
50) Toluene-d8	8.647	98	294411	47.440	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery =	94.880%		
62) 4-Bromofluorobenzene	11.079	95	106629	46.611	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	93.220%		
Target Compounds						
						Qvalue
6) Chloroethane	1.441	64	4953	5.058	ug/l	# 52
11) Tert butyl alcohol	2.946	59	2059	5.922	ug/l	# 78
16) Acetone	2.386	43	24640	30.629	ug/l	# 89
18) Methyl Acetate	2.709	43	2618	1.193	ug/l	# 98
20) Methylene Chloride	2.788	84	10053	5.707	ug/l	# 85
25) 2-Butanone	4.586	43	775	0.619	ug/l	# 87
29) Tetrahydrofuran	5.050	42	366	0.453	ug/l	# 75
31) Cyclohexane	5.550	56	2003	0.935	ug/l	# 1
36) 1,1-Dichloropropene	5.556	75	9033	4.815	ug/l	# 50
37) Ethyl Acetate	4.739	43	3061	1.253	ug/l	# 72
38) Carbon Tetrachloride	5.550	117	12798	6.175	ug/l	# 15
42) 1,2-Dichloroethane	6.348	62	441	0.216	ug/l	# 77
43) Isopropyl Acetate	6.348	43	108027	28.801	ug/l	# 93
48) Methyl methacrylate	7.799	41	93075	51.995	ug/l	# 45
49) 1,4-Dioxane	7.793	88	200	24.070	ug/l	# 1
51) 4-Methyl-2-Pentanone	8.549	43	79310	30.696	ug/l	# 52
53) t-1,3-Dichloropropene	8.958	75	860	1.285	ug/l	# 43
54) cis-1,3-Dichloropropene	8.549	75	42515	18.661	ug/l	# 50
56) Ethyl methacrylate	9.244	69	1040	0.398	ug/l	# 1
57) 1,3-Dichloropropane	9.482	76	5364	1.978	ug/l	# 42
59) 2-Hexanone	9.482	43	69095	34.916	ug/l	# 54
74) N-amyl acetate	10.817	43	685	0.220	ug/l	# 44
76) 1,2,3-Trichloropropane	11.079	75	48901	23.339	ug/l	# 39
81) trans-1,4-Dichloro-2-b...	11.079	75	48901	66.281	ug/l	# 5
95) Naphthalene	13.786	128	223	0.774	ug/l	# 69

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

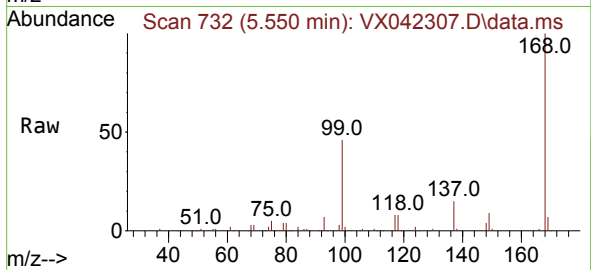
Quant Time: Jul 15 04:45:49 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X061824W.M
Quant Title : SW846 8260
QLast Update : Fri Jun 21 23:51:58 2024
Response via : Initial Calibration



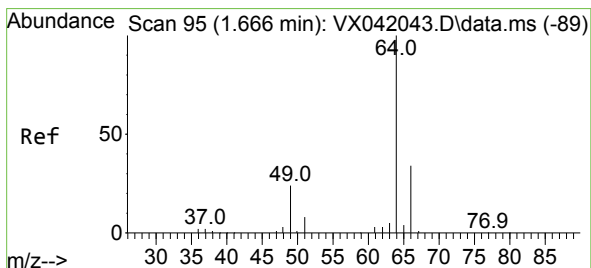
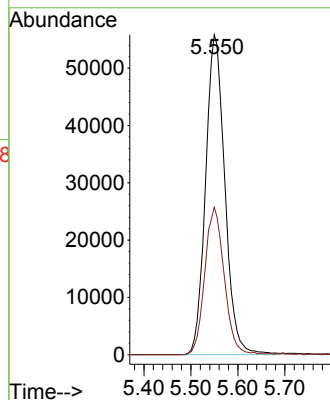
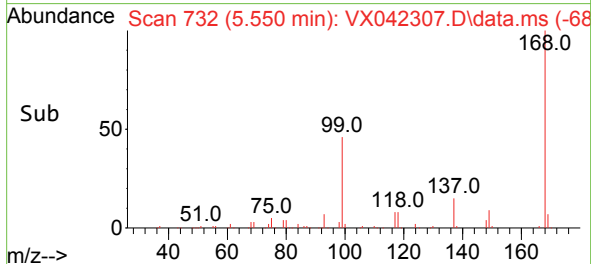


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.550 min Scan# 71
Delta R.T. -0.000 min
Lab File: VX042307.D
Acq: 12 Jul 2024 16:58

Instrument :
MSVOA_X
ClientSampleId :

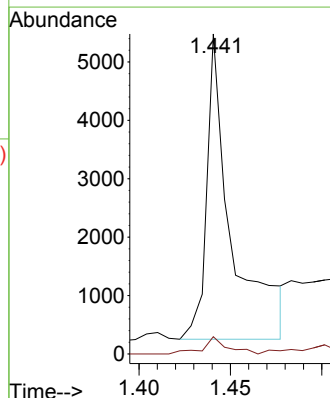
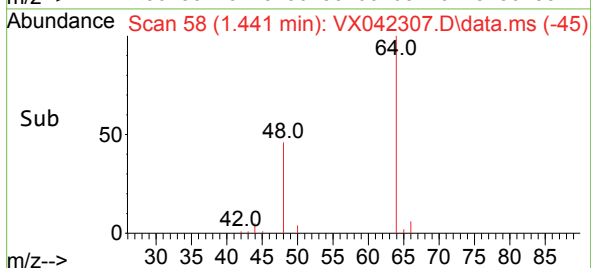
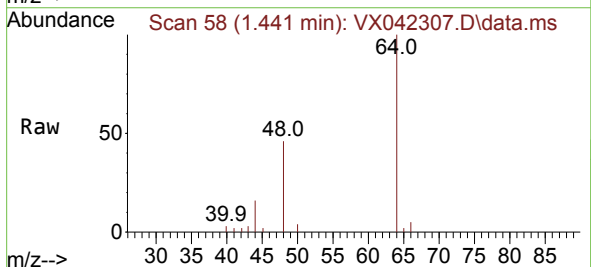


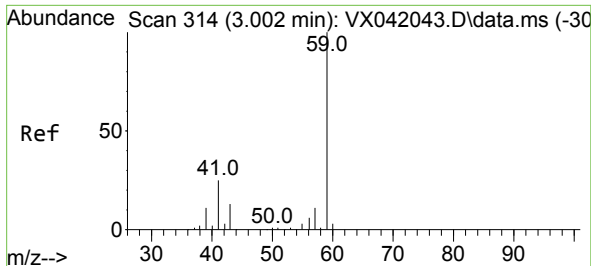
Tgt Ion:168 Resp: 158879
Ion Ratio Lower Upper
168 100
99 46.1 56.6 85.0#



#6
Chloroethane
Concen: 5.058 ug/l
RT: 1.441 min Scan# 58
Delta R.T. -0.219 min
Lab File: VX042307.D
Acq: 12 Jul 2024 16:58

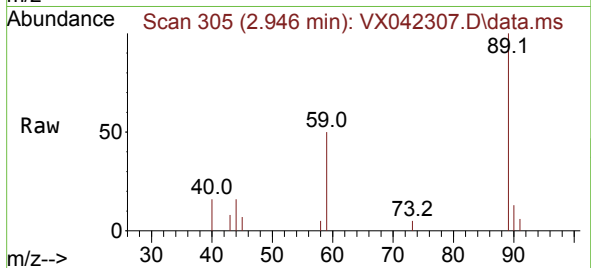
Tgt Ion: 64 Resp: 4953
Ion Ratio Lower Upper
64 100
66 4.6 25.1 37.7#



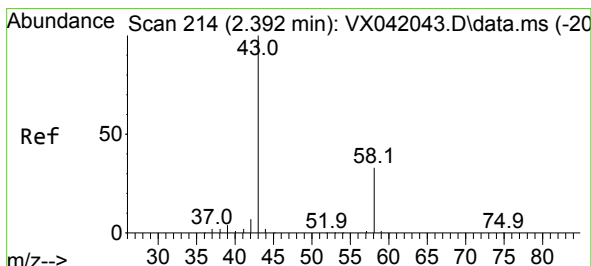
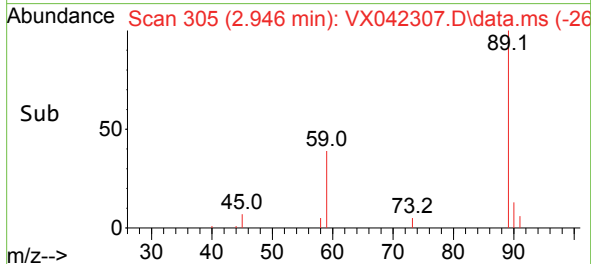
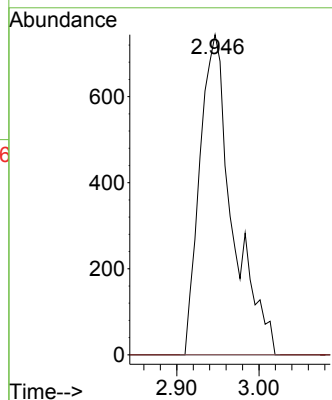


#11
Tert butyl alcohol
Concen: 5.922 ug/l
RT: 2.946 min Scan# 305
Delta R.T. -0.061 min
Lab File: VX042307.D
Acq: 12 Jul 2024 16:58

Instrument :
MSVOA_X
ClientSampleId :

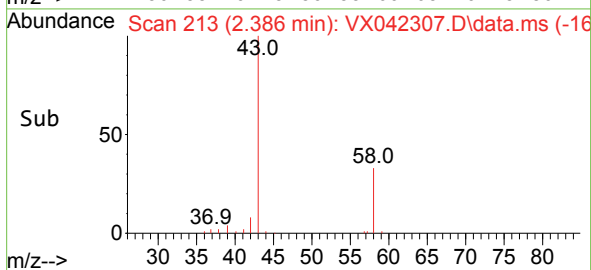
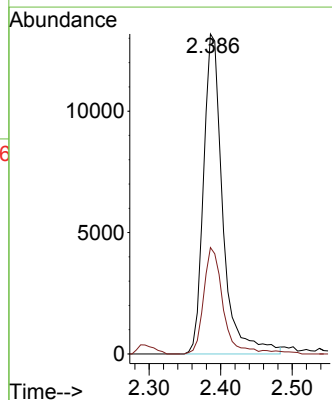
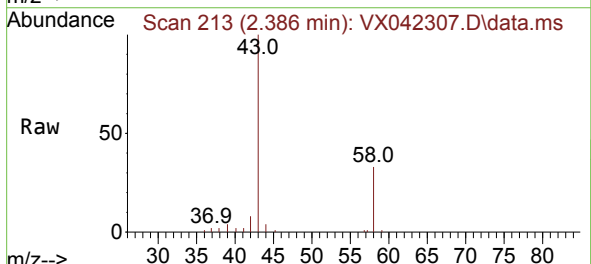


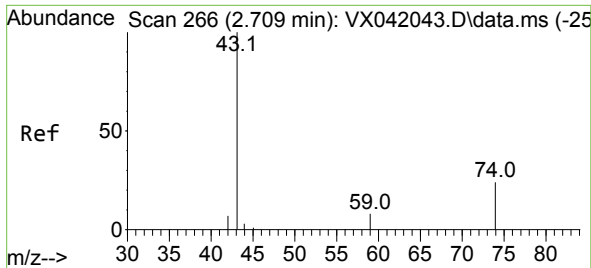
Tgt Ion: 59 Resp: 2059
Ion Ratio Lower Upper
59 100
57 0.0 6.0 9.0#



#16
Acetone
Concen: 30.629 ug/l
RT: 2.386 min Scan# 213
Delta R.T. -0.012 min
Lab File: VX042307.D
Acq: 12 Jul 2024 16:58

Tgt Ion: 43 Resp: 24640
Ion Ratio Lower Upper
43 100
58 33.3 21.9 32.9#

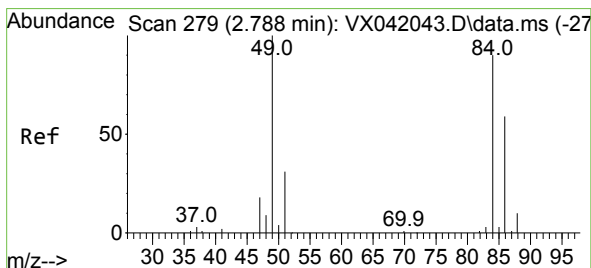
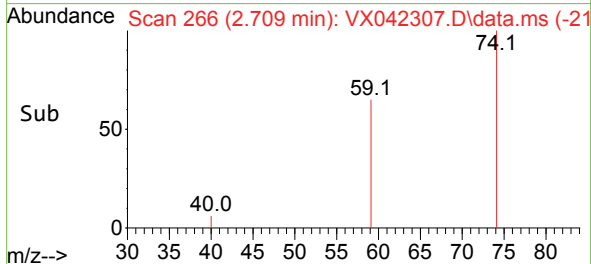
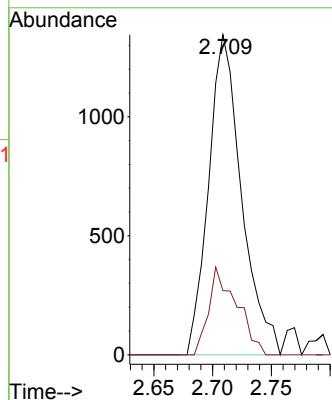
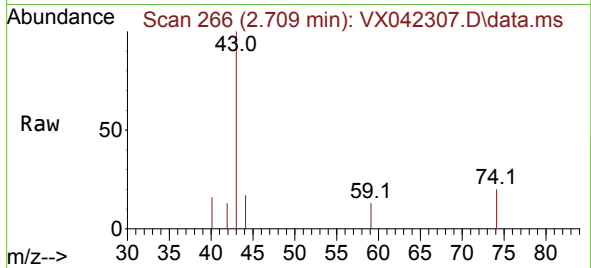




#18
Methyl Acetate
Concen: 1.193 ug/l
RT: 2.709 min Scan# 266
Delta R.T. -0.000 min
Lab File: VX042307.D
Acq: 12 Jul 2024 16:58

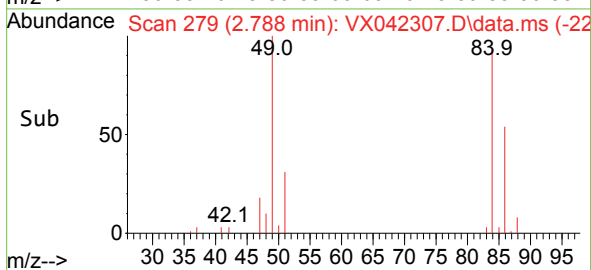
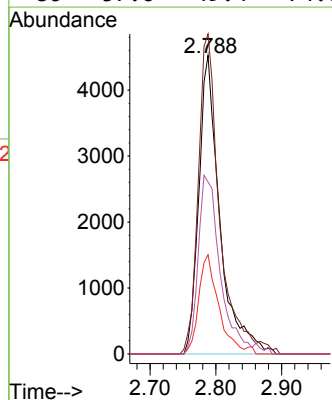
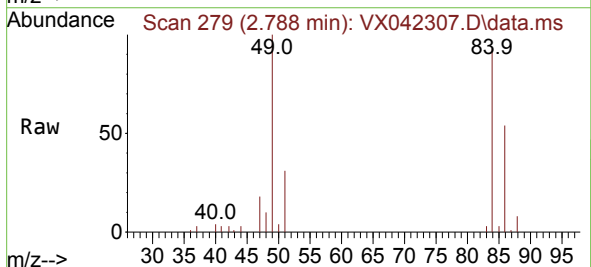
Instrument :
MSVOA_X
ClientSampleId :

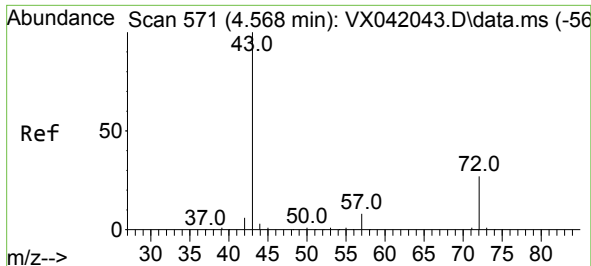
Tgt Ion: 43 Resp: 2618
Ion Ratio Lower Upper
43 100
74 23.5 17.8 26.8



#20
Methylene Chloride
Concen: 5.707 ug/l
RT: 2.788 min Scan# 279
Delta R.T. 0.006 min
Lab File: VX042307.D
Acq: 12 Jul 2024 16:58

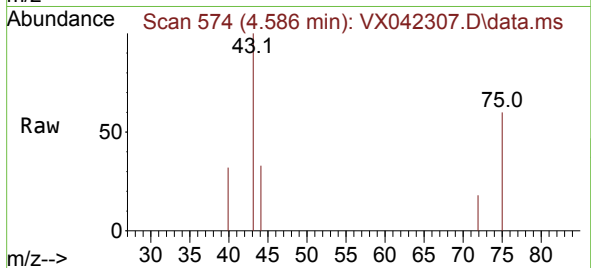
Tgt Ion: 84 Resp: 10053
Ion Ratio Lower Upper
84 100
49 107.2 103.6 155.4
51 33.2 33.8 50.6#
86 57.6 49.4 74.0



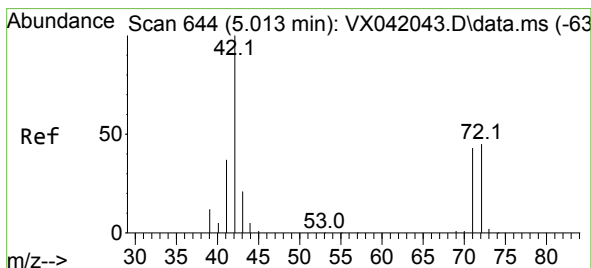
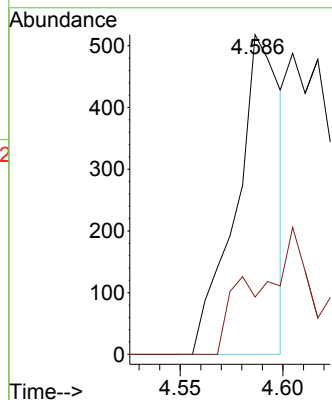
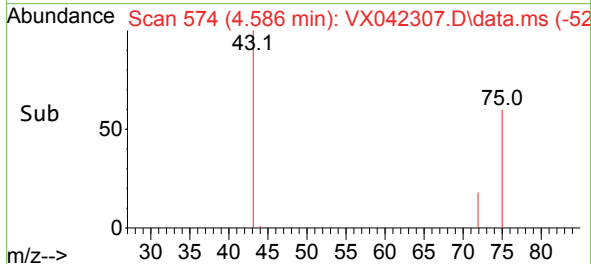


#25
2-Butanone
Concen: 0.619 ug/l
RT: 4.586 min Scan# 51
Delta R.T. 0.012 min
Lab File: VX042307.D
Acq: 12 Jul 2024 16:58

Instrument :
MSVOA_X
ClientSampleId :

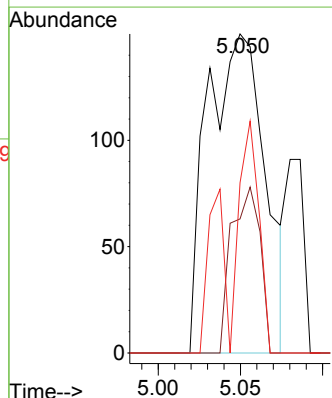
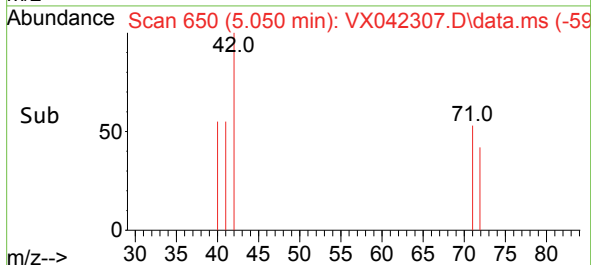
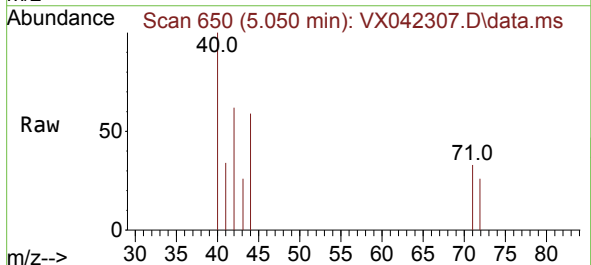


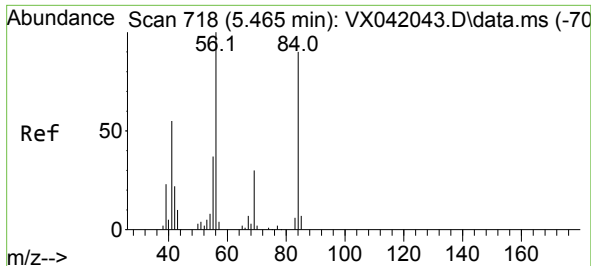
Tgt Ion: 43 Resp: 775
Ion Ratio Lower Upper
43 100
72 18.0 19.4 29.2#



#29
Tetrahydrofuran
Concen: 0.453 ug/l
RT: 5.050 min Scan# 650
Delta R.T. 0.030 min
Lab File: VX042307.D
Acq: 12 Jul 2024 16:58

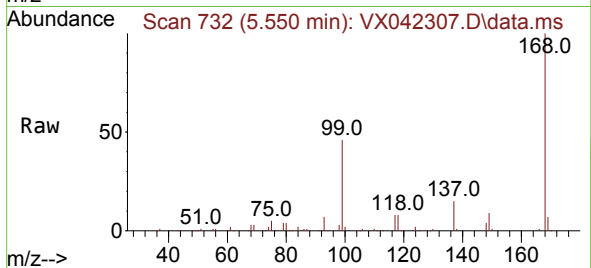
Tgt Ion: 42 Resp: 366
Ion Ratio Lower Upper
42 100
72 26.0 34.2 51.4#
71 25.1 32.2 48.2#



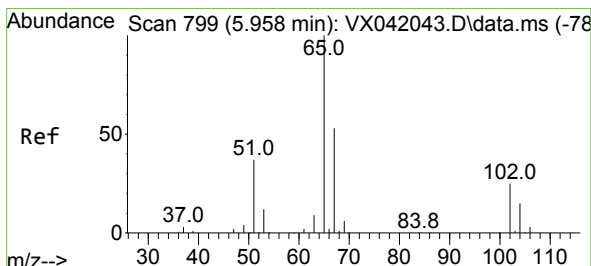
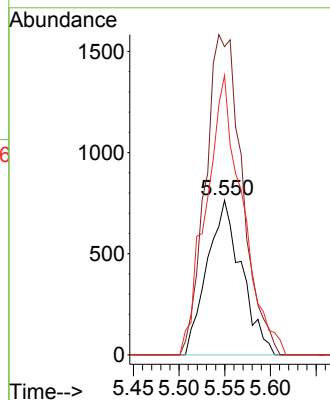
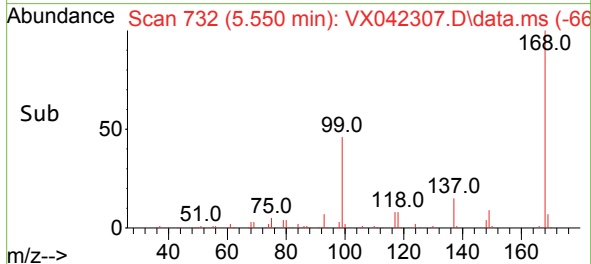


#31
Cyclohexane
Concen: 0.935 ug/l
RT: 5.550 min Scan# 718
Delta R.T. 0.085 min
Lab File: VX042307.D
Acq: 12 Jul 2024 16:58

Instrument :
MSVOA_X
ClientSampleId :

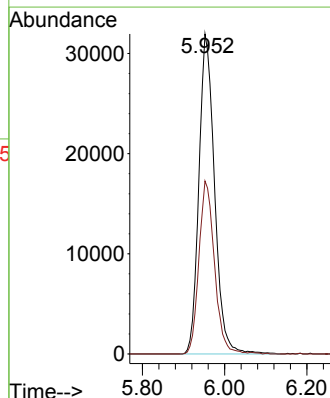
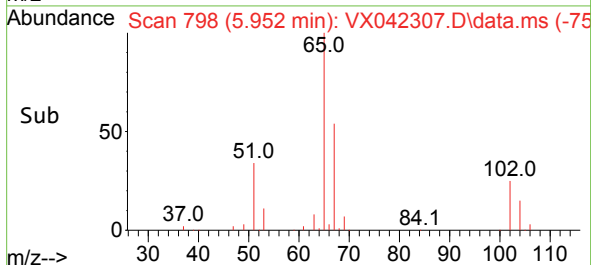
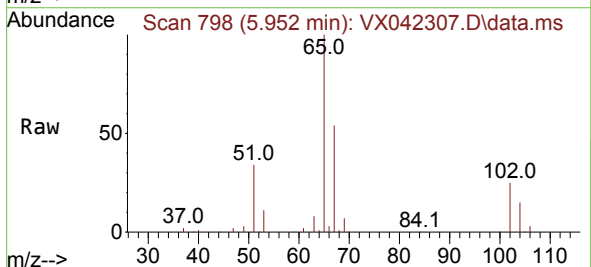


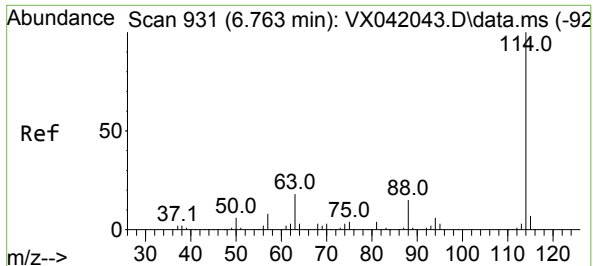
Tgt Ion: 56 Resp: 2003
Ion Ratio Lower Upper
56 100
69 199.5 23.4 35.2#
84 180.8 65.9 98.9#



#33
1,2-Dichloroethane-d4
Concen: 46.055 ug/l
RT: 5.952 min Scan# 798
Delta R.T. -0.006 min
Lab File: VX042307.D
Acq: 12 Jul 2024 16:58

Tgt Ion: 65 Resp: 84377
Ion Ratio Lower Upper
65 100
67 53.7 0.0 100.2

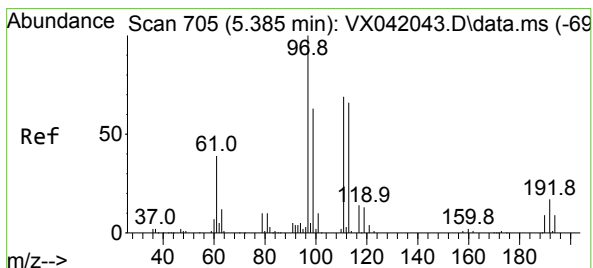
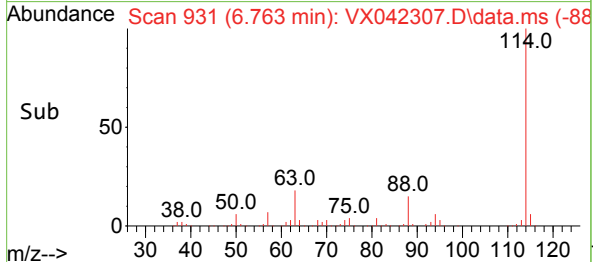
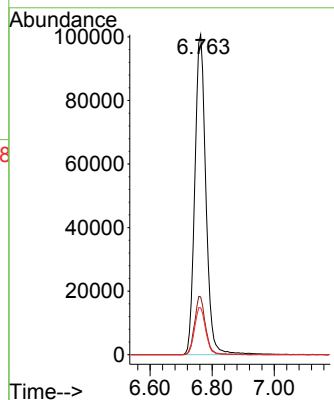
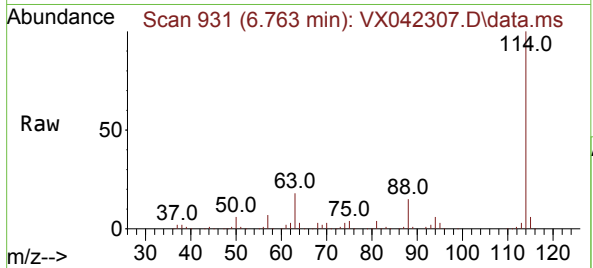




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.763 min Scan# 91
Delta R.T. -0.000 min
Lab File: VX042307.D
Acq: 12 Jul 2024 16:58

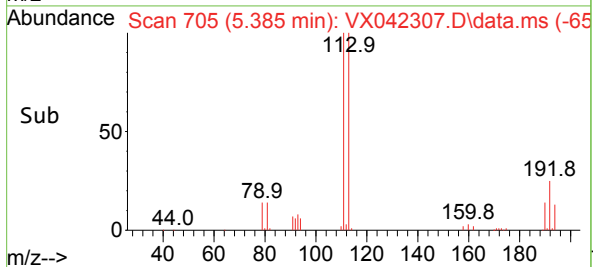
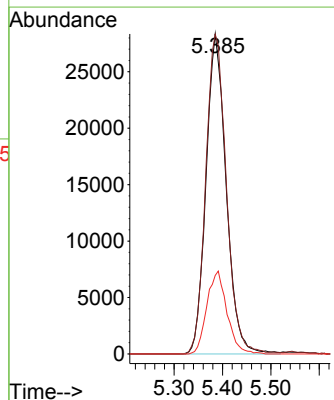
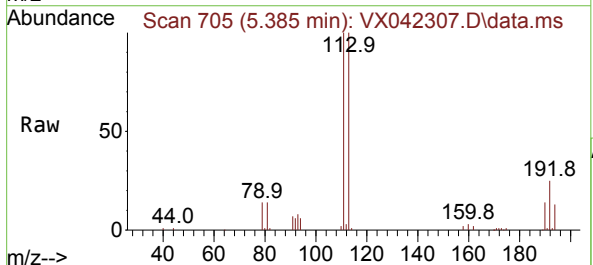
Instrument :
MSVOA_X
ClientSampleId :

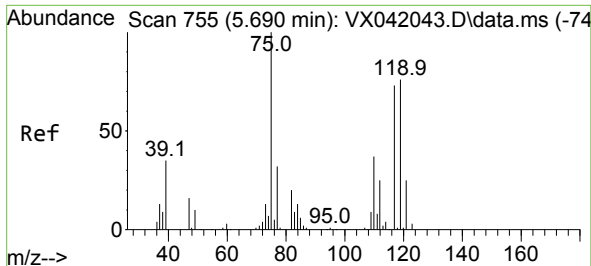
Tgt Ion:114 Resp: 248963
Ion Ratio Lower Upper
114 100
63 18.1 0.0 45.0
88 14.7 0.0 36.6



#35
Dibromofluoromethane
Concen: 46.434 ug/l
RT: 5.385 min Scan# 705
Delta R.T. -0.006 min
Lab File: VX042307.D
Acq: 12 Jul 2024 16:58

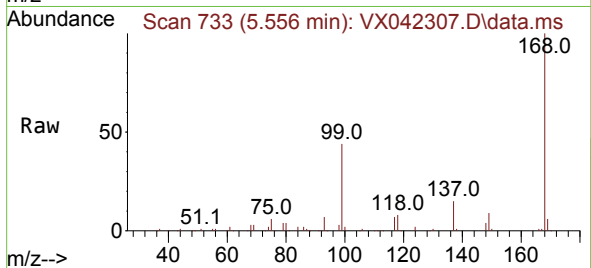
Tgt Ion:113 Resp: 82027
Ion Ratio Lower Upper
113 100
111 102.3 82.9 124.3
192 25.9 13.3 19.9#



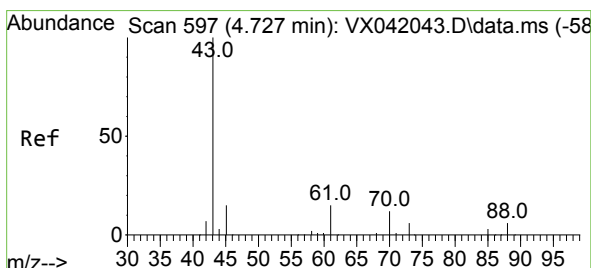
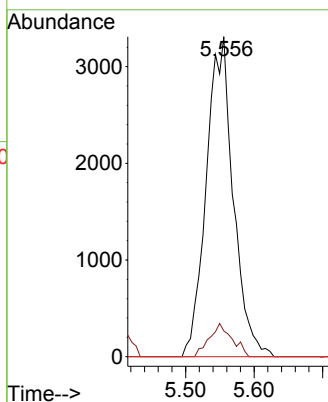
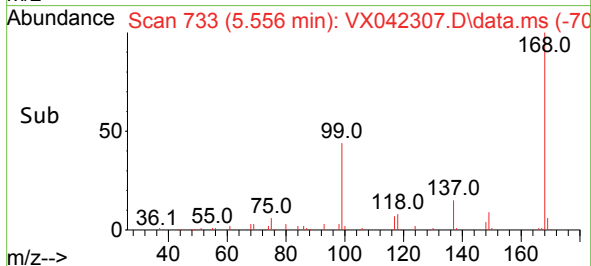


#36
1,1-Dichloropropene
Concen: 4.815 ug/l
RT: 5.556 min Scan# 71
Delta R.T. -0.134 min
Lab File: VX042307.D
Acq: 12 Jul 2024 16:58

Instrument :
MSVOA_X
ClientSampleId :

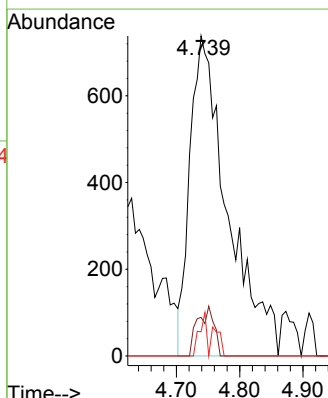
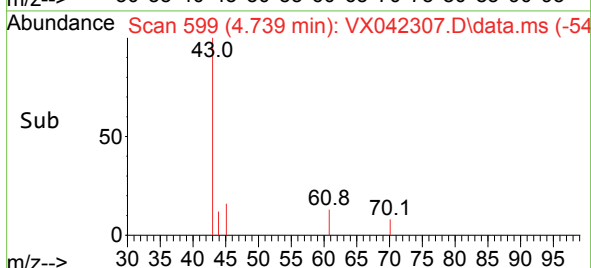
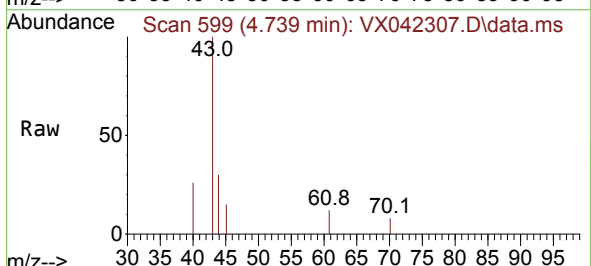


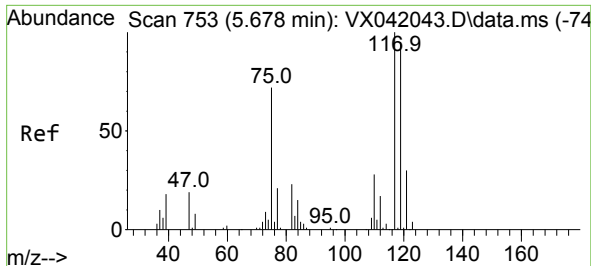
Tgt Ion: 75 Resp: 9033
Ion Ratio Lower Upper
75 100
110 8.8 17.0 50.9#
77 0.0 24.7 37.1#



#37
Ethyl Acetate
Concen: 1.253 ug/l
RT: 4.739 min Scan# 599
Delta R.T. 0.012 min
Lab File: VX042307.D
Acq: 12 Jul 2024 16:58

Tgt Ion: 43 Resp: 3061
Ion Ratio Lower Upper
43 100
61 0.0 10.6 16.0#
70 2.5 8.3 12.5#





#38

Carbon Tetrachloride

Concen: 6.175 ug/l

RT: 5.550 min Scan# 71

Delta R.T. -0.128 min

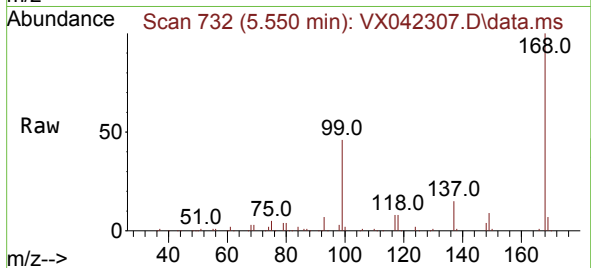
Lab File: VX042307.D

Acq: 12 Jul 2024 16:58

Instrument :

MSVOA_X

ClientSampleId :



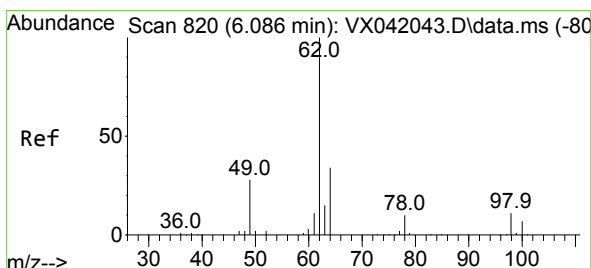
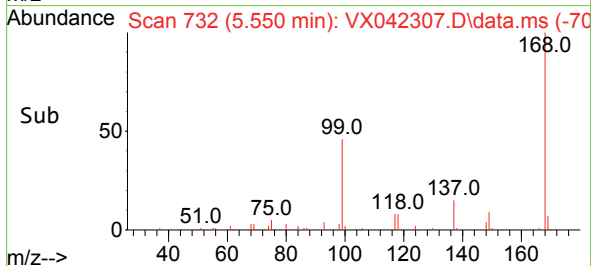
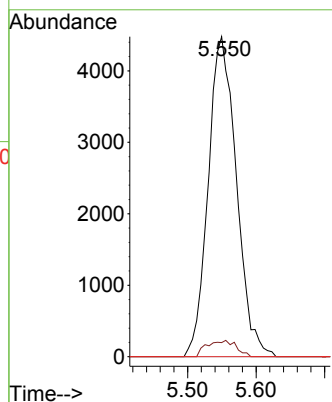
Tgt Ion:117 Resp: 12798

Ion Ratio Lower Upper

117 100

119 4.4 78.2 117.2#

121 0.0 24.4 36.6#



#42

1,2-Dichloroethane

Concen: 0.216 ug/l

RT: 6.348 min Scan# 863

Delta R.T. 0.262 min

Lab File: VX042307.D

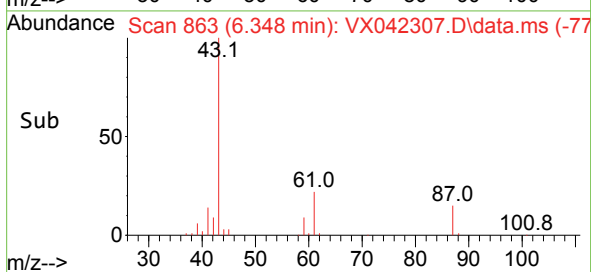
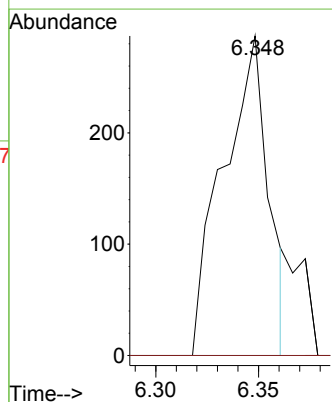
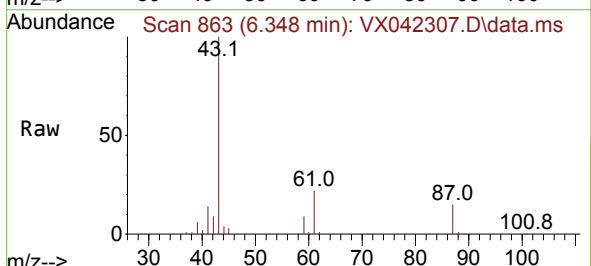
Acq: 12 Jul 2024 16:58

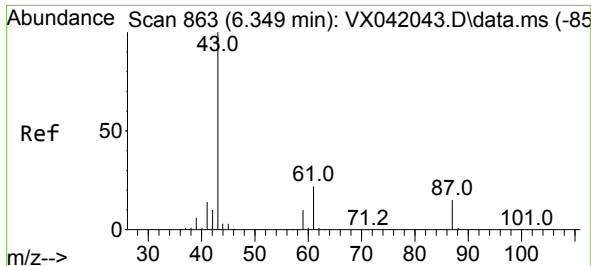
Tgt Ion: 62 Resp: 441

Ion Ratio Lower Upper

62 100

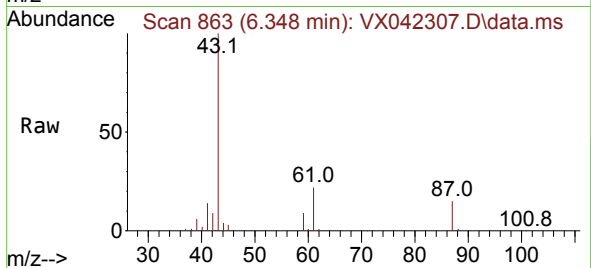
98 0.0 0.0 16.0



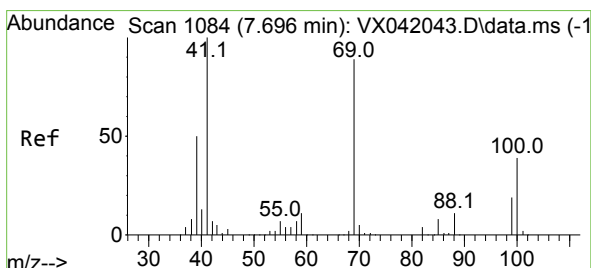
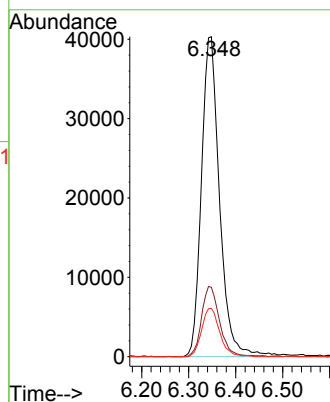
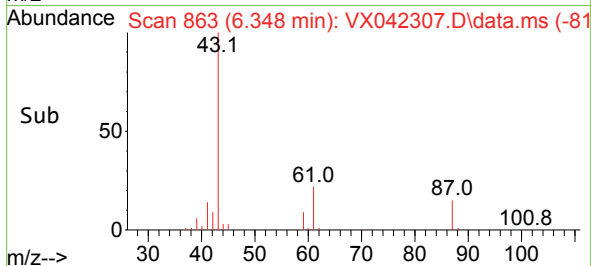


#43
Isopropyl Acetate
Concen: 28.801 ug/l
RT: 6.348 min Scan# 81
Delta R.T. 0.000 min
Lab File: VX042307.D
Acq: 12 Jul 2024 16:58

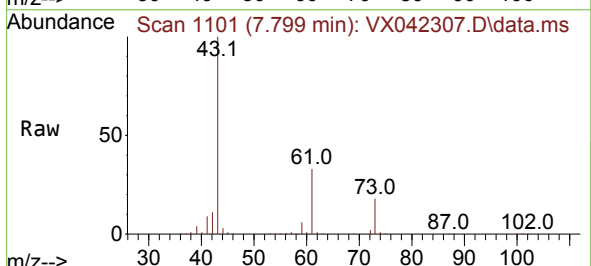
Instrument :
MSVOA_X
ClientSampleId :



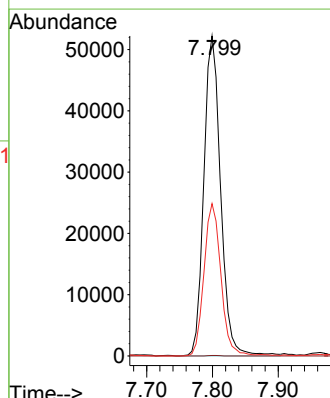
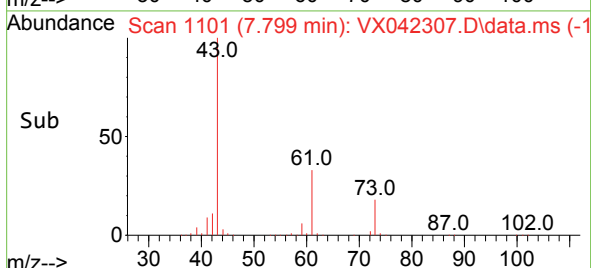
Tgt Ion: 43 Resp: 108027
Ion Ratio Lower Upper
43 100
61 21.9 15.2 22.8
87 15.0 9.8 14.6#

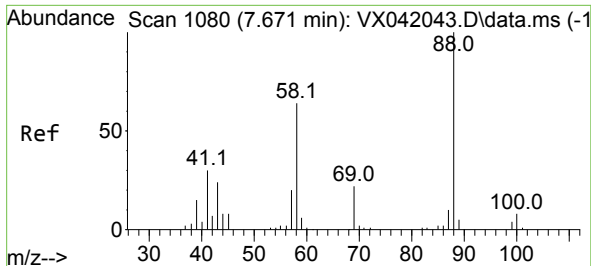


#48
Methyl methacrylate
Concen: 51.995 ug/l
RT: 7.799 min Scan# 1101
Delta R.T. 0.104 min
Lab File: VX042307.D
Acq: 12 Jul 2024 16:58



Tgt Ion: 41 Resp: 93075
Ion Ratio Lower Upper
41 100
69 0.1 59.2 88.8#
39 47.8 47.7 71.5





#49

1,4-Dioxane

Concen: 24.070 ug/l

RT: 7.793 min Scan# 1100

Delta R.T. 0.128 min

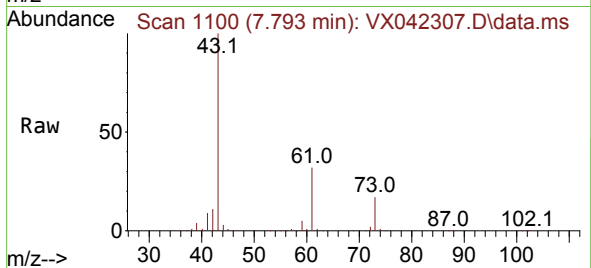
Lab File: VX042307.D

Acq: 12 Jul 2024 16:58

Instrument :

MSVOA_X

ClientSampleId :



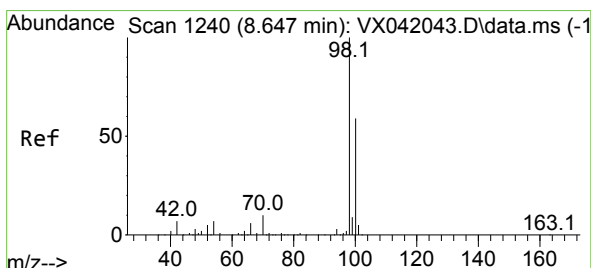
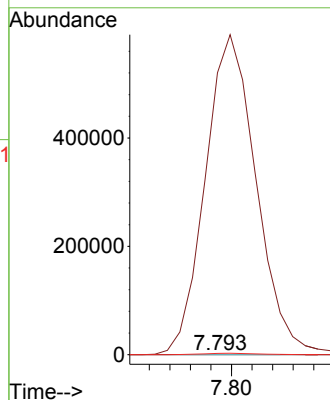
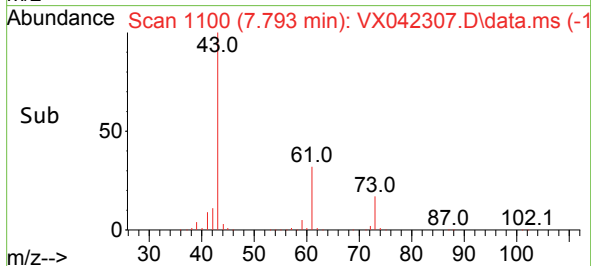
Tgt Ion: 88 Resp: 200

Ion Ratio Lower Upper

88 100

43 516282.5 0.0 0.0#

58 2479.0 60.1 90.1#



#50

Toluene-d8

Concen: 47.440 ug/l

RT: 8.647 min Scan# 1240

Delta R.T. 0.000 min

Lab File: VX042307.D

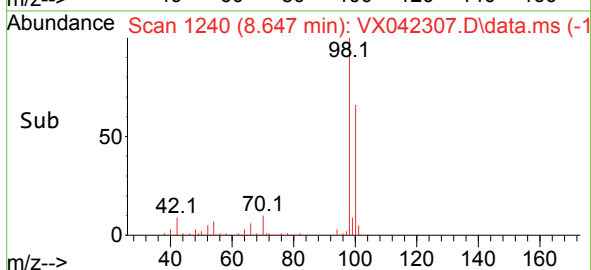
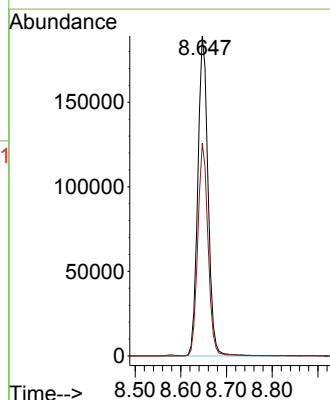
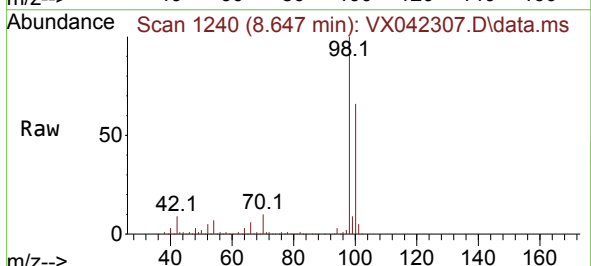
Acq: 12 Jul 2024 16:58

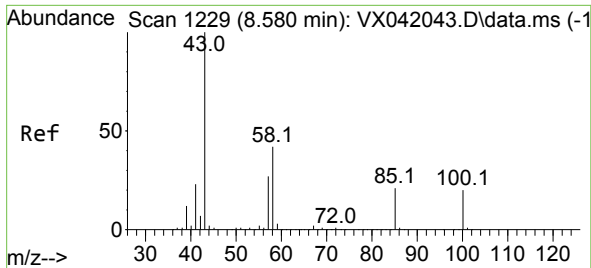
Tgt Ion: 98 Resp: 294411

Ion Ratio Lower Upper

98 100

100 66.5 53.1 79.7

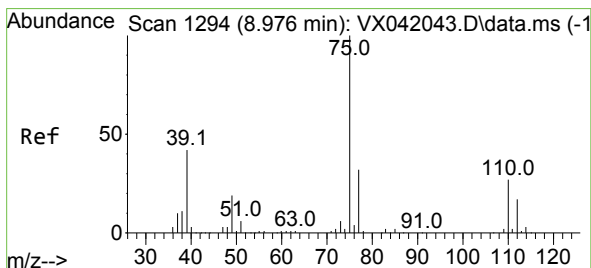
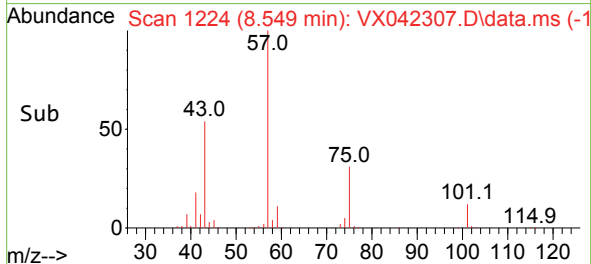
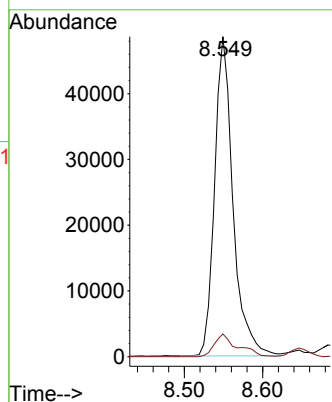
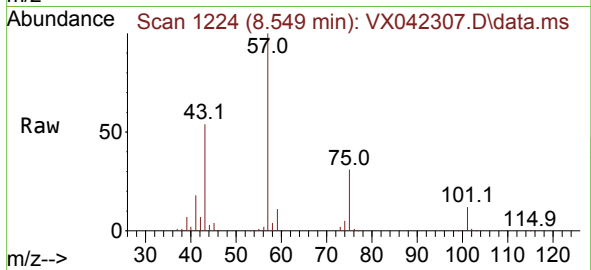




#51
4-Methyl-2-Pentanone
Concen: 30.696 ug/l
RT: 8.549 min Scan# 11
Delta R.T. -0.030 min
Lab File: VX042307.D
Acq: 12 Jul 2024 16:58

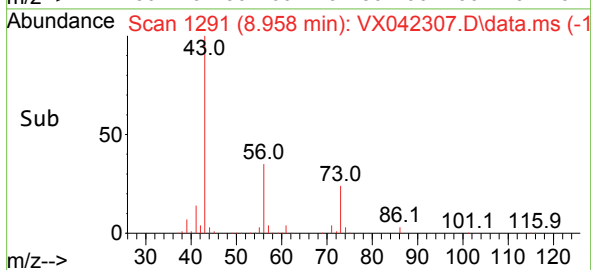
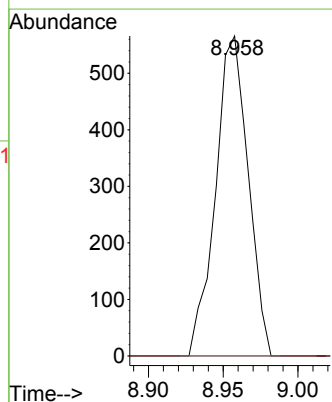
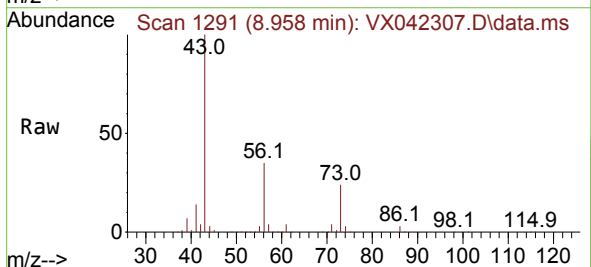
Instrument :
MSVOA_X
ClientSampleId :

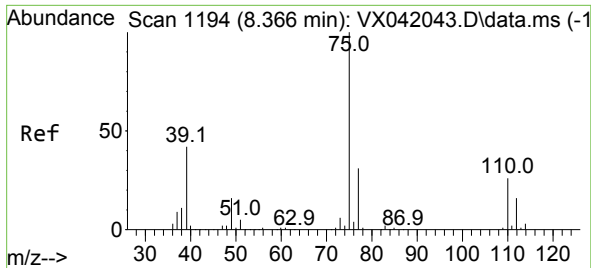
Tgt Ion: 43 Resp: 79310
Ion Ratio Lower Upper
43 100
58 8.9 30.4 45.6#



#53
t-1,3-Dichloropropene
Concen: 1.285 ug/l
RT: 8.958 min Scan# 1291
Delta R.T. -0.024 min
Lab File: VX042307.D
Acq: 12 Jul 2024 16:58

Tgt Ion: 75 Resp: 860
Ion Ratio Lower Upper
75 100
77 0.0 25.7 38.5#

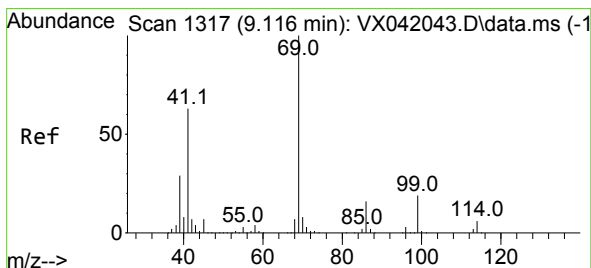
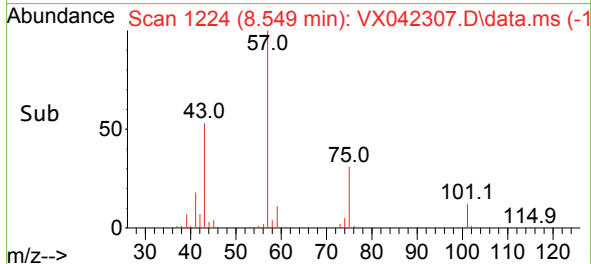
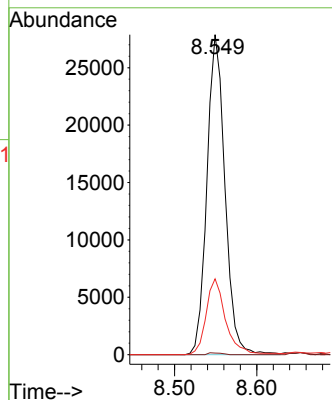
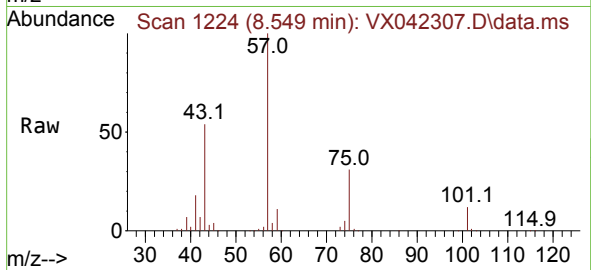




#54
cis-1,3-Dichloropropene
Concen: 18.661 ug/l
RT: 8.549 min Scan# 1194
Delta R.T. 0.183 min
Lab File: VX042307.D
Acq: 12 Jul 2024 16:58

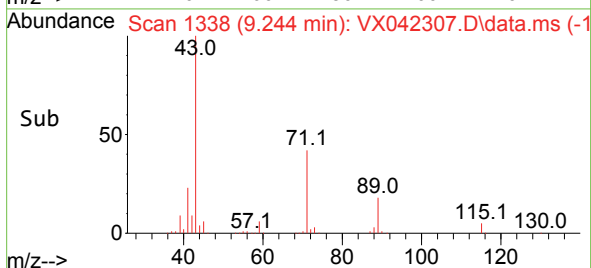
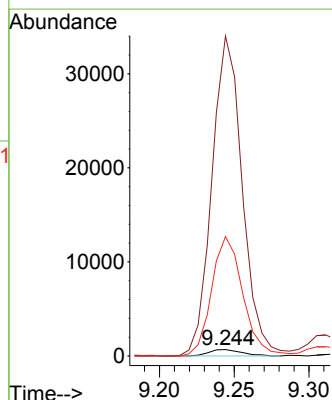
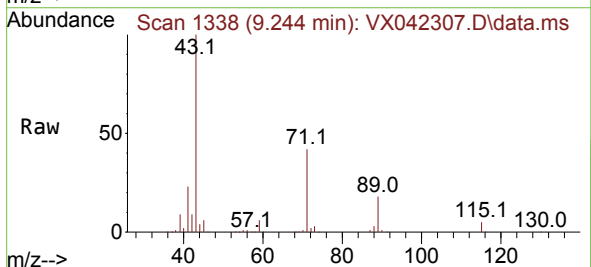
Instrument :
MSVOA_X
ClientSampleId :

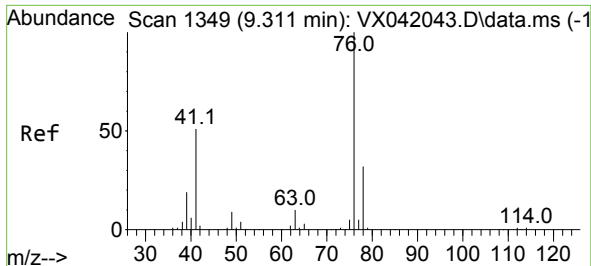
Tgt Ion: 75 Resp: 42515
Ion Ratio Lower Upper
75 100
77 0.5 25.3 37.9#
39 23.7 46.7 70.1#



#56
Ethyl methacrylate
Concen: 0.398 ug/l
RT: 9.244 min Scan# 1338
Delta R.T. 0.122 min
Lab File: VX042307.D
Acq: 12 Jul 2024 16:58

Tgt Ion: 69 Resp: 1040
Ion Ratio Lower Upper
69 100
41 4634.7 56.8 85.2#
39 1774.8 32.0 48.0#





#57

1,3-Dichloropropane

Concen: 1.978 ug/l

RT: 9.482 min Scan# 1377

Delta R.T. 0.171 min

Lab File: VX042307.D

Acq: 12 Jul 2024 16:58

Instrument :

MSVOA_X

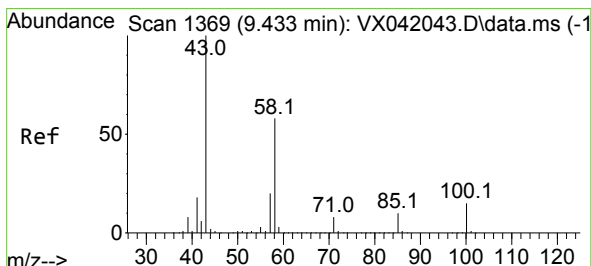
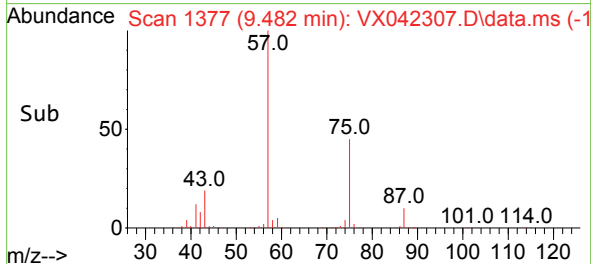
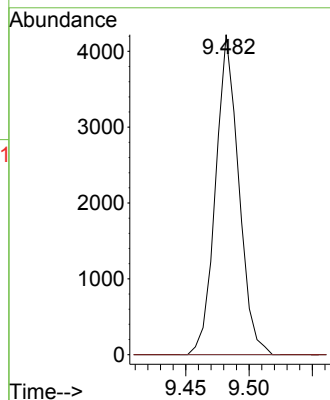
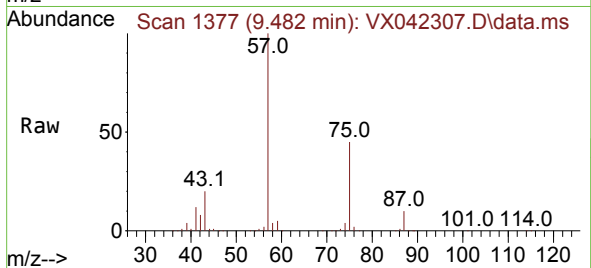
ClientSampleId :

Tgt Ion: 76 Resp: 5364

Ion Ratio Lower Upper

76 100

78 0.0 26.1 39.1#



#59

2-Hexanone

Concen: 34.916 ug/l

RT: 9.482 min Scan# 1377

Delta R.T. 0.049 min

Lab File: VX042307.D

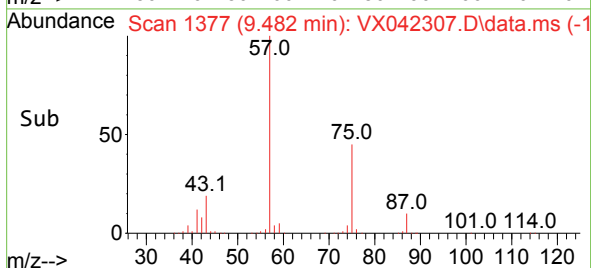
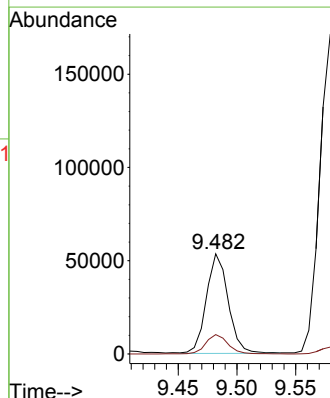
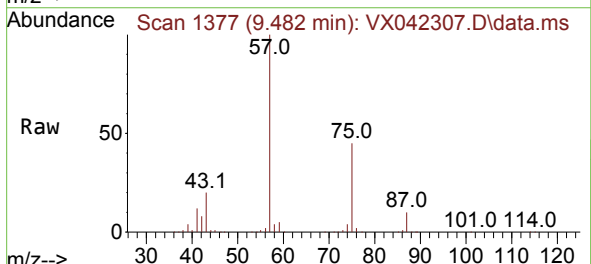
Acq: 12 Jul 2024 16:58

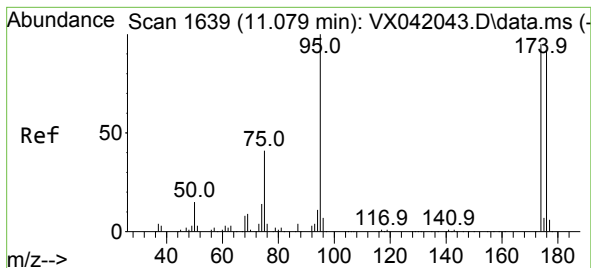
Tgt Ion: 43 Resp: 69095

Ion Ratio Lower Upper

43 100

58 19.9 26.2 78.5#

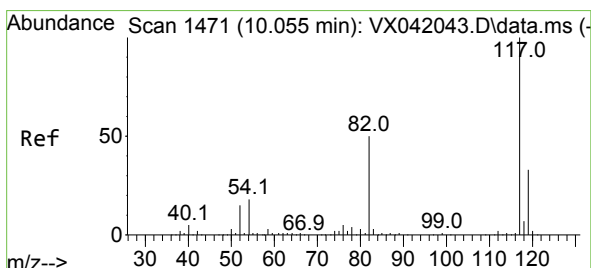
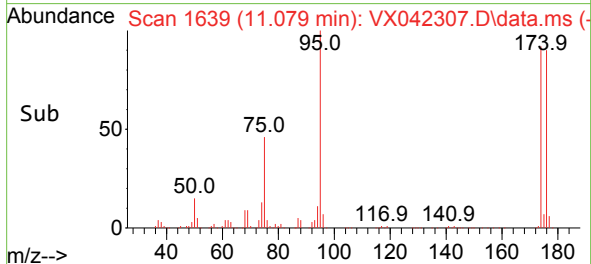
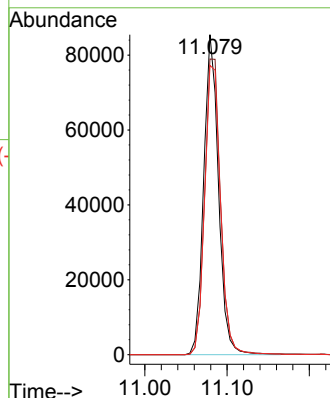
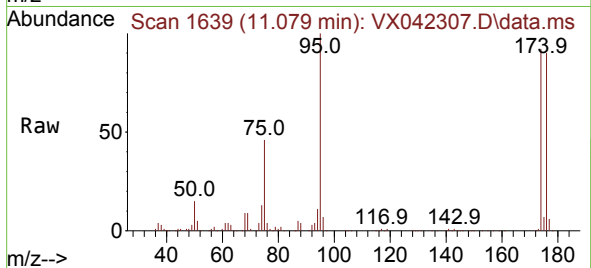




#62
4-Bromofluorobenzene
Concen: 46.611 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.000 min
Lab File: VX042307.D
Acq: 12 Jul 2024 16:58

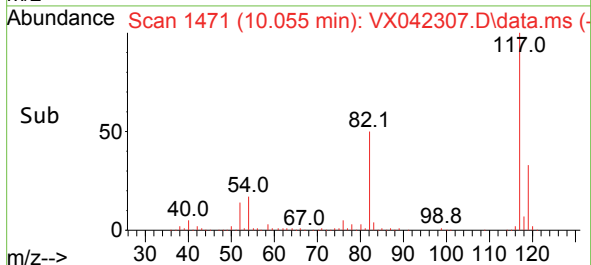
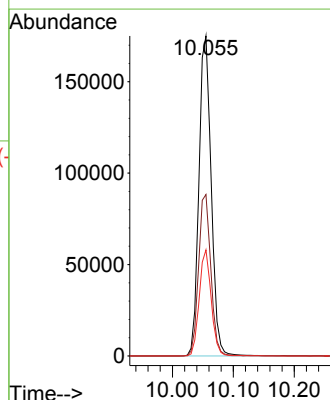
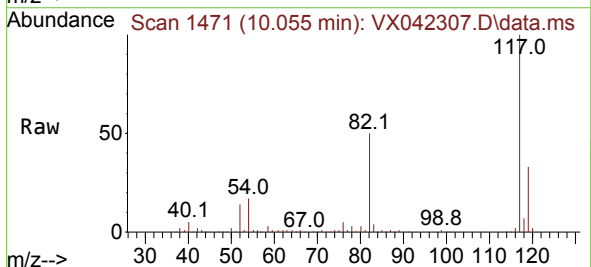
Instrument :
MSVOA_X
ClientSampleId :

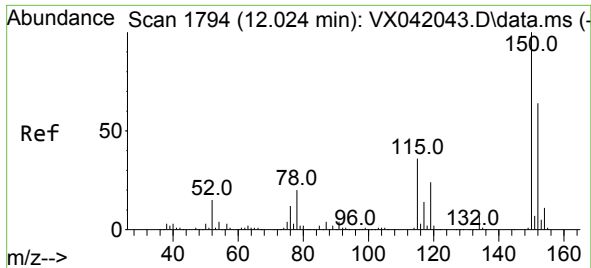
Tgt Ion: 95 Resp: 106629
Ion Ratio Lower Upper
95 100
174 99.6 0.0 135.6
176 97.4 0.0 131.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.000 min
Lab File: VX042307.D
Acq: 12 Jul 2024 16:58

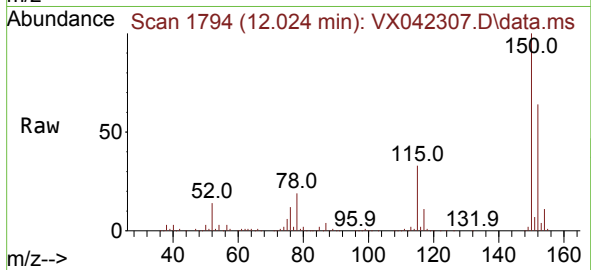
Tgt Ion: 117 Resp: 244630
Ion Ratio Lower Upper
117 100
82 50.4 46.2 69.4
119 33.2 25.5 38.3



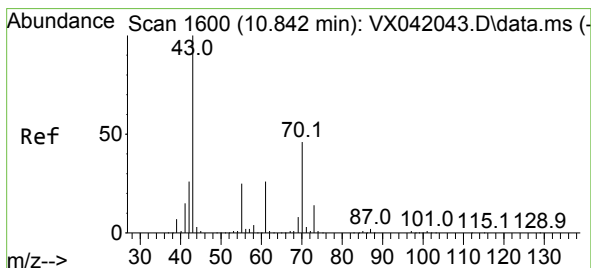
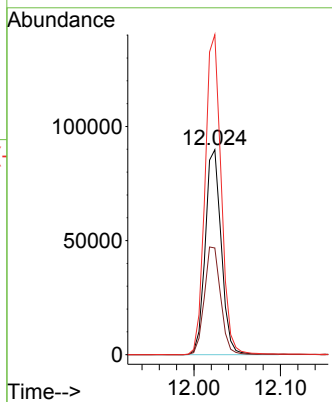
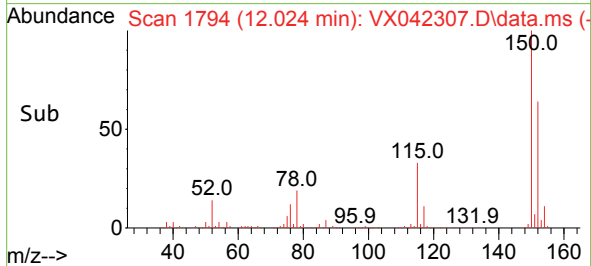


#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 12.024 min Scan# 11
 Delta R.T. -0.000 min
 Lab File: VX042307.D
 Acq: 12 Jul 2024 16:58

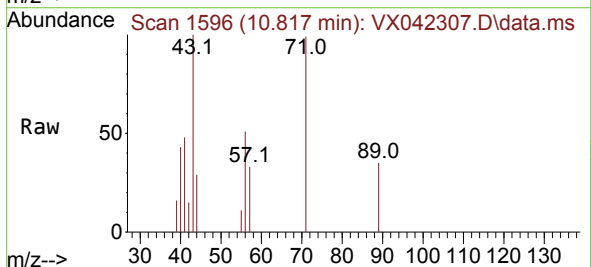
Instrument :
 MSVOA_X
 ClientSampleId :



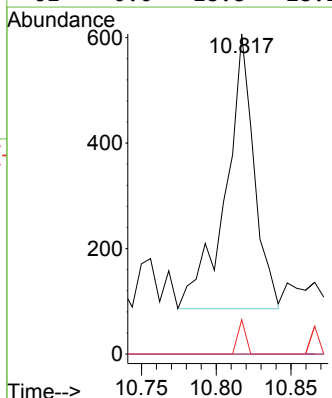
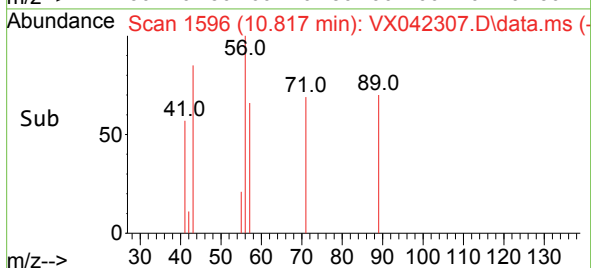
Tgt Ion:152 Resp: 115414
 Ion Ratio Lower Upper
 152 100
 115 53.7 43.3 129.9
 150 157.9 0.0 345.0

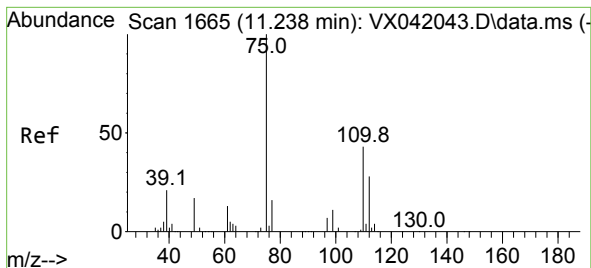


#74
 N-ethyl acetate
 Concen: 0.220 ug/l
 RT: 10.817 min Scan# 1596
 Delta R.T. -0.024 min
 Lab File: VX042307.D
 Acq: 12 Jul 2024 16:58



Tgt Ion: 43 Resp: 685
 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: 23.339 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. -0.159 min

Lab File: VX042307.D

Acq: 12 Jul 2024 16:58

Instrument :

MSVOA_X

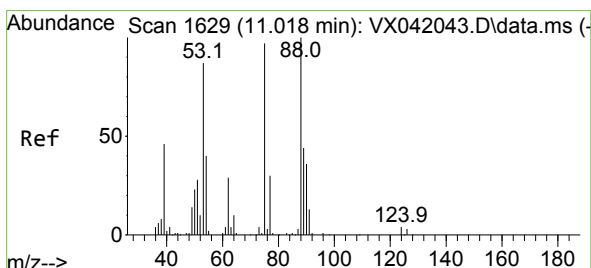
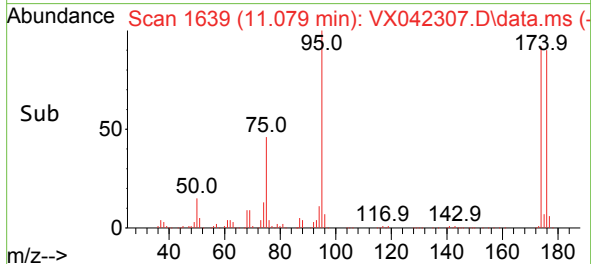
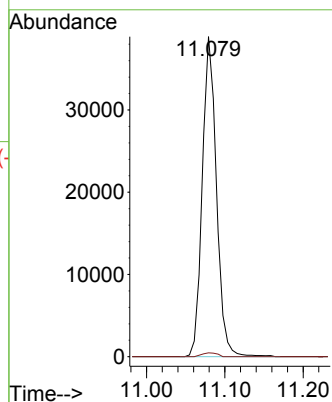
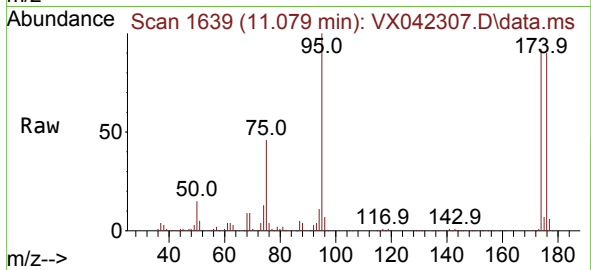
ClientSampleId :

Tgt Ion: 75 Resp: 48901

Ion Ratio Lower Upper

75 100

77 1.3 19.1 57.5#



#81

trans-1,4-Dichloro-2-butene

Concen: 66.281 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. 0.061 min

Lab File: VX042307.D

Acq: 12 Jul 2024 16:58

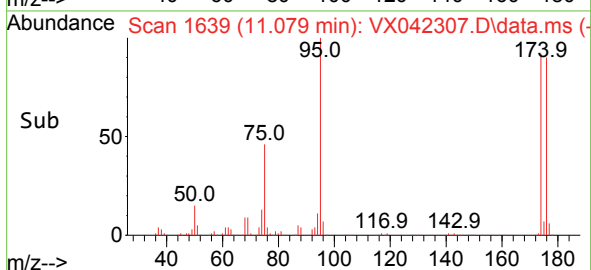
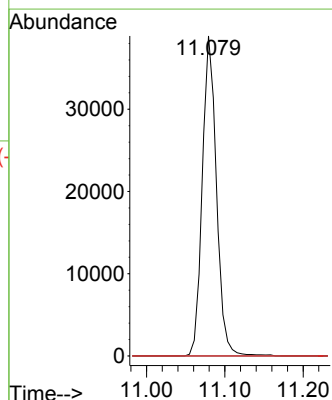
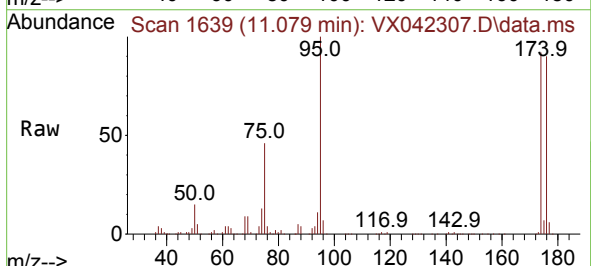
Tgt Ion: 75 Resp: 48901

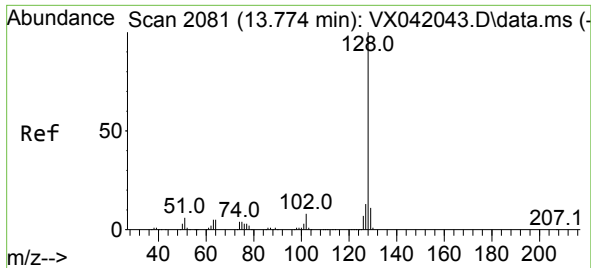
Ion Ratio Lower Upper

75 100

53 0.0 90.5 135.7#

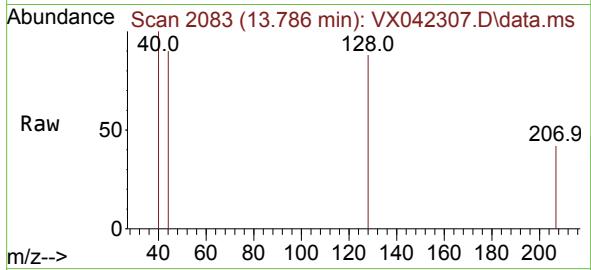
89 0.0 36.9 55.3#





#95
Naphthalene
Concen: 0.774 ug/l
RT: 13.786 min Scan# 2083
Delta R.T. 0.012 min
Lab File: VX042307.D
Acq: 12 Jul 2024 16:58

Instrument : MSVOA_X
ClientSampleId :



Tgt Ion:	128	Resp:	223
Ion	Ratio	Lower	Upper
128	100		
127	0.0	10.3	15.5#
129	0.0	8.8	13.2#

