

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX071224\
 Data File : VX042305.D
 Acq On : 12 Jul 2024 16:12
 Operator : JC/MD
 Sample : PB162021ZHE#02
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Jul 15 04:44:59 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)

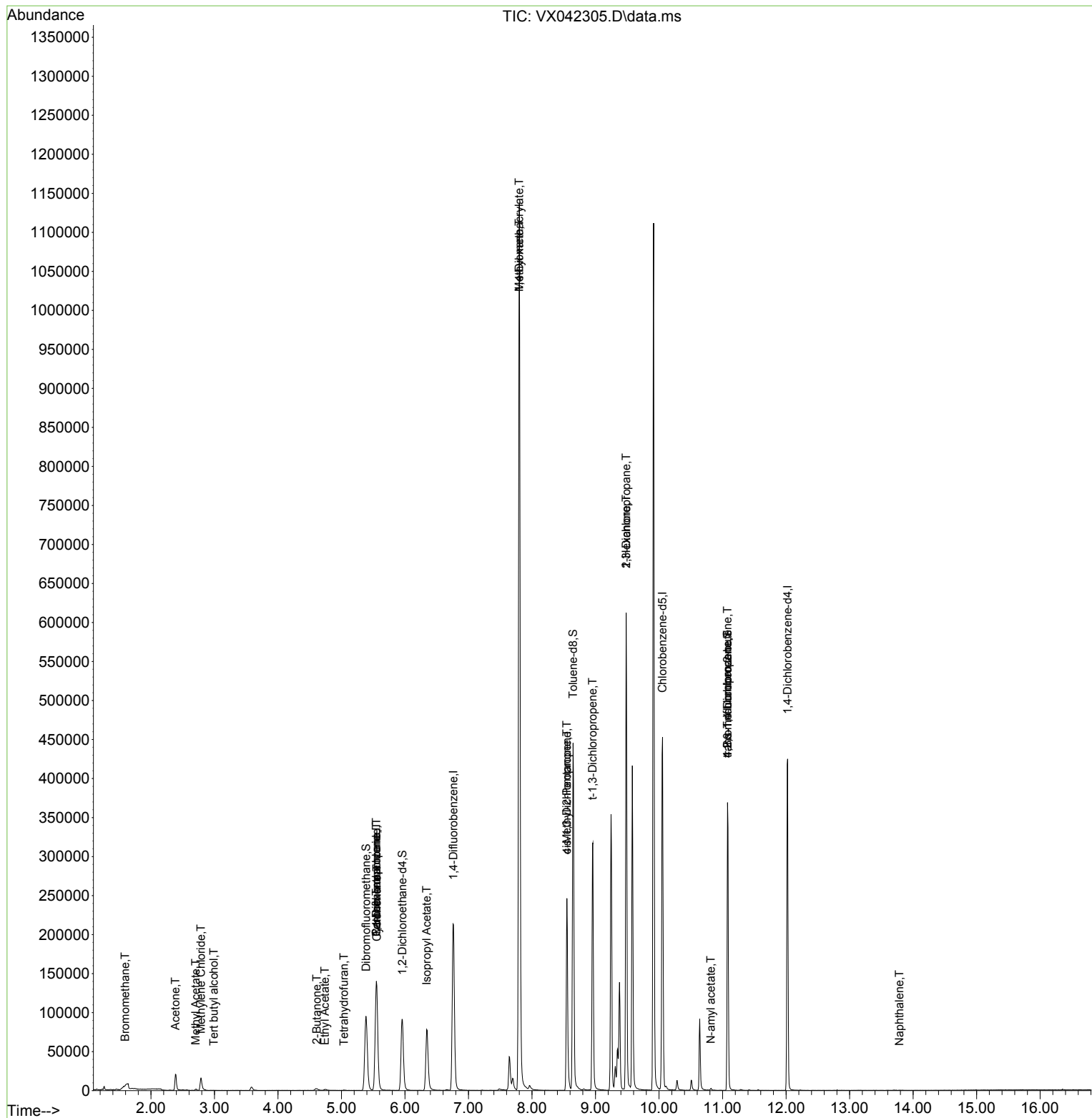
Internal Standards						
1) Pentafluorobenzene	5.550	168	156749	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	6.763	114	245589	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	228838	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	104395	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	88453	48.936	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery =	97.880%		
35) Dibromofluoromethane	5.385	113	84999	48.778	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	97.560%		
50) Toluene-d8	8.647	98	274498	44.839	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery =	89.680%#		
62) 4-Bromofluorobenzene	11.079	95	97808	43.342	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	86.680%		
Target Compounds						
						Qvalue
5) Bromomethane	1.593	94	236	0.318	ug/l	# 74
6) Chloroethane	1.666	64	195	Below Cal		# 43
11) Tert butyl alcohol	2.989	59	220	0.641	ug/l	# 78
16) Acetone	2.386	43	24132	30.405	ug/l	# 89
18) Methyl Acetate	2.703	43	1981	0.915	ug/l	# 93
20) Methylene Chloride	2.788	84	9313	5.359	ug/l	# 89
25) 2-Butanone	4.611	43	2059	1.668	ug/l	# 95
29) Tetrahydrofuran	5.038	42	222	0.278	ug/l	# 71
31) Cyclohexane	5.556	56	2110	0.998	ug/l	# 1
36) 1,1-Dichloropropene	5.550	75	8863	4.790	ug/l	# 51
37) Ethyl Acetate	4.739	43	2264	0.939	ug/l	# 93
38) Carbon Tetrachloride	5.550	117	13095	6.405	ug/l	# 16
43) Isopropyl Acetate	6.342	43	108948	29.445	ug/l	# 93
48) Methyl methacrylate	7.799	41	91729	51.947	ug/l	# 45
49) 1,4-Dioxane	7.799	88	156	23.204	ug/l	# 1
51) 4-Methyl-2-Pentanone	8.549	43	80728	31.674	ug/l	# 52
53) t-1,3-Dichloropropene	8.952	75	759	1.244	ug/l	# 43
54) cis-1,3-Dichloropropene	8.549	75	41883	18.636	ug/l	# 51
57) 1,3-Dichloropropane	9.482	76	5767	2.156	ug/l	# 42
59) 2-Hexanone	9.482	43	67894	34.780	ug/l	# 55
74) N-amyl acetate	10.817	43	757	0.268	ug/l	# 44
76) 1,2,3-Trichloropropane	11.079	75	44030	23.233	ug/l	# 39
81) trans-1,4-Dichloro-2-b...	11.079	75	44030	65.978	ug/l	# 5
95) Naphthalene	13.786	128	314	0.789	ug/l	# 69

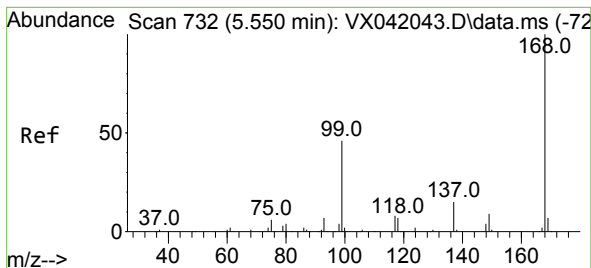
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX071224\
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Instrument :
MSVOA_X
ClientSampleId :

Quant Time: Jul 15 04:44:59 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

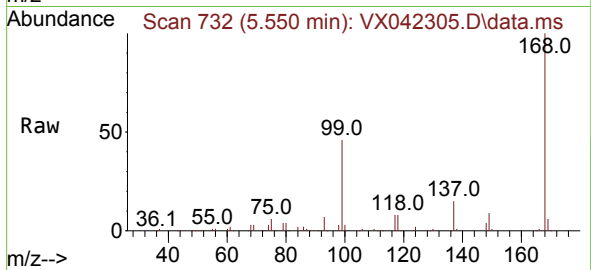
Lab File: VX042305.D

Acq: 12 Jul 2024 16:12

Instrument :

MSVOA_X

ClientSampleId :

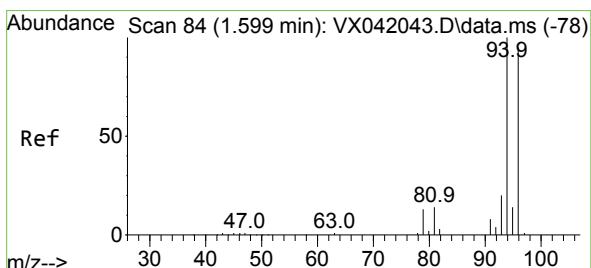
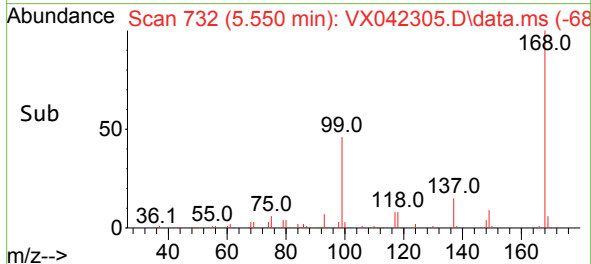
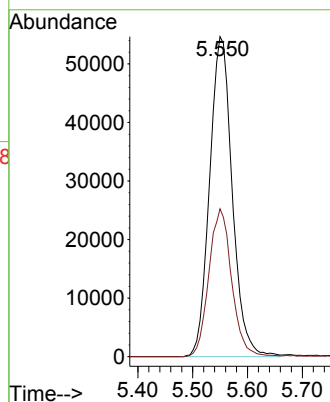


Tgt Ion:168 Resp: 156749

Ion Ratio Lower Upper

168 100

99 46.2 56.6 85.0#



#5

Bromomethane

Concen: 0.318 ug/l

RT: 1.593 min Scan# 83

Delta R.T. -0.006 min

Lab File: VX042305.D

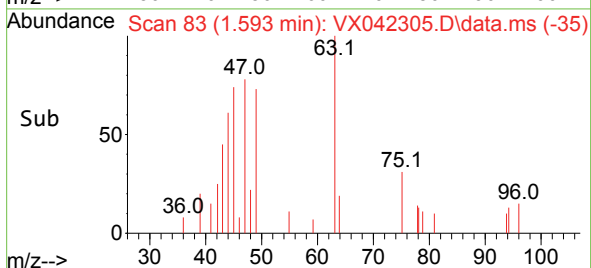
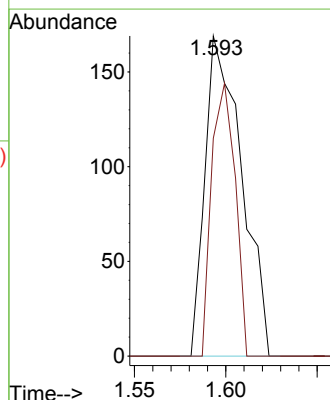
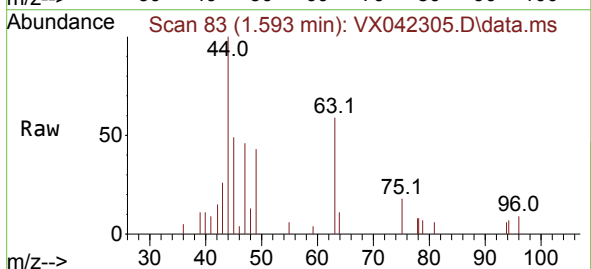
Acq: 12 Jul 2024 16:12

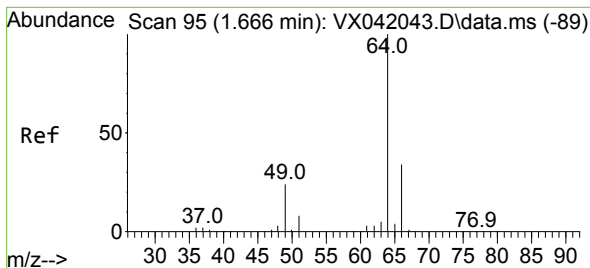
Tgt Ion: 94 Resp: 236

Ion Ratio Lower Upper

94 100

96 68.0 74.6 111.8#

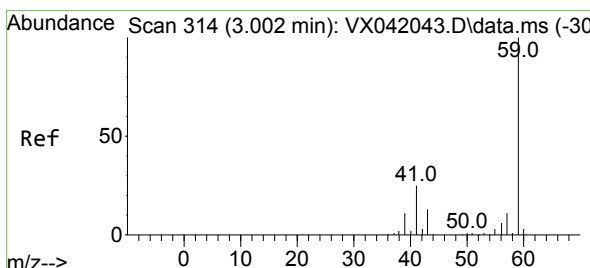
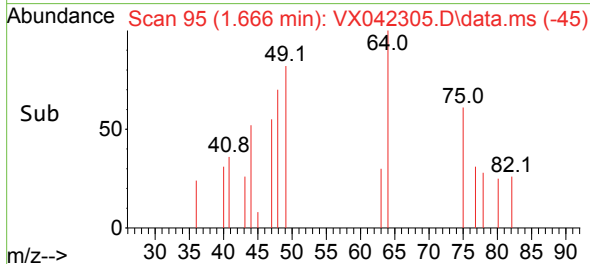
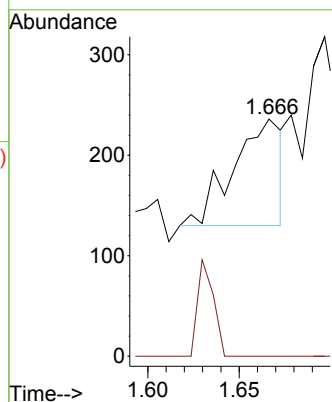
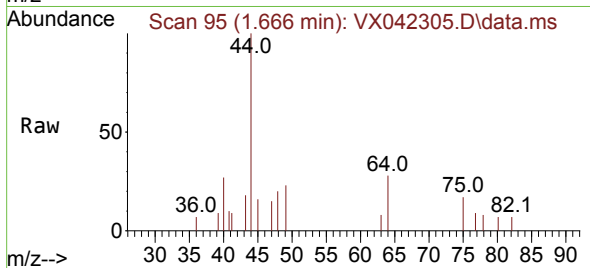




#6
Chloroethane
Concen: Below Cal
RT: 1.666 min Scan# 91
Delta R.T. 0.006 min
Lab File: VX042305.D
Acq: 12 Jul 2024 16:12

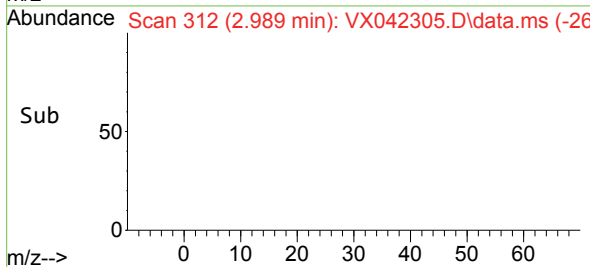
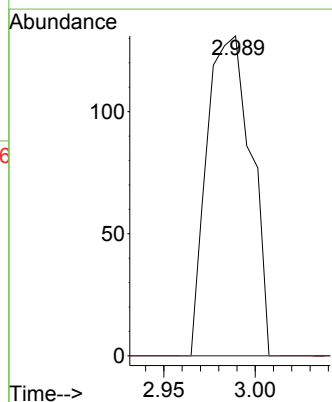
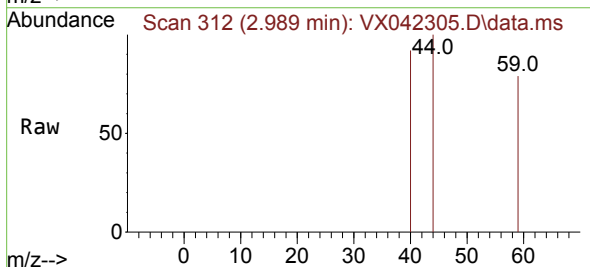
Instrument :
MSVOA_X
ClientSampleId :

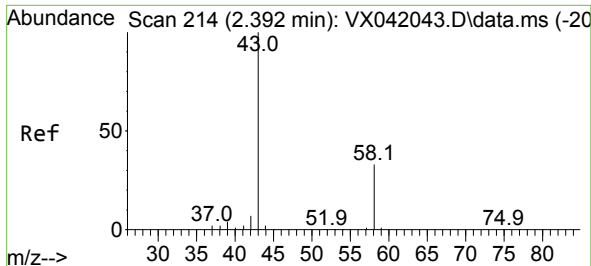
Tgt Ion: 64 Resp: 195
Ion Ratio Lower Upper
64 100
66 0.0 25.1 37.7#



#11
Tert butyl alcohol
Concen: 0.641 ug/l
RT: 2.989 min Scan# 312
Delta R.T. -0.018 min
Lab File: VX042305.D
Acq: 12 Jul 2024 16:12

Tgt Ion: 59 Resp: 220
Ion Ratio Lower Upper
59 100
57 0.0 6.0 9.0#





#16

Acetone

Concen: 30.405 ug/l

RT: 2.386 min Scan# 21

Delta R.T. -0.012 min

Lab File: VX042305.D

Acq: 12 Jul 2024 16:12

Instrument :

MSVOA_X

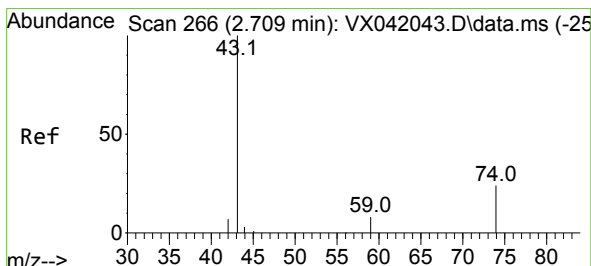
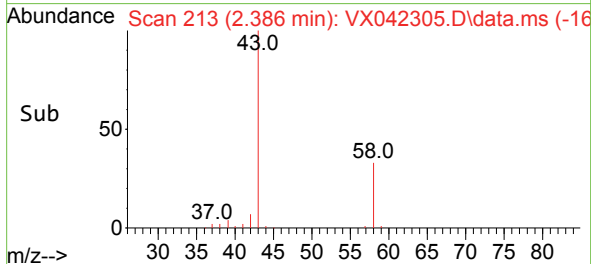
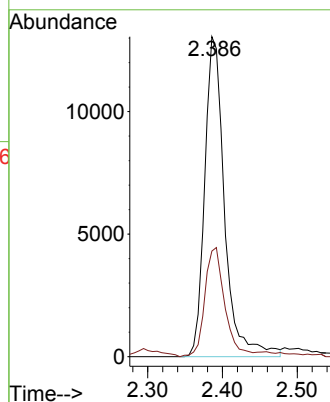
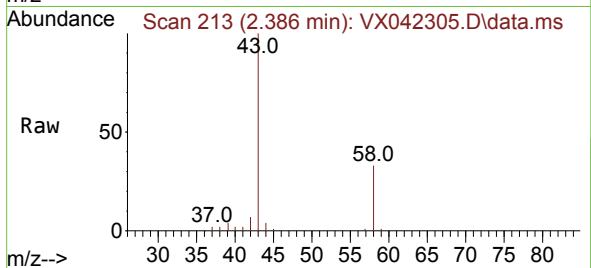
ClientSampleId :

Tgt Ion: 43 Resp: 24132

Ion Ratio Lower Upper

43 100

58 33.0 21.9 32.9#



#18

Methyl Acetate

Concen: 0.915 ug/l

RT: 2.703 min Scan# 265

Delta R.T. -0.006 min

Lab File: VX042305.D

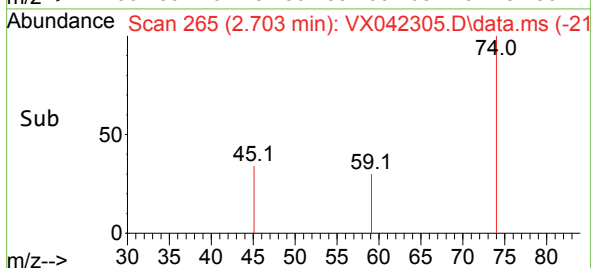
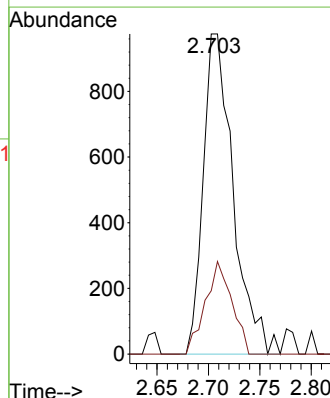
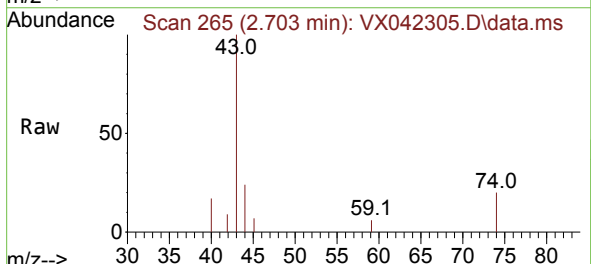
Acq: 12 Jul 2024 16:12

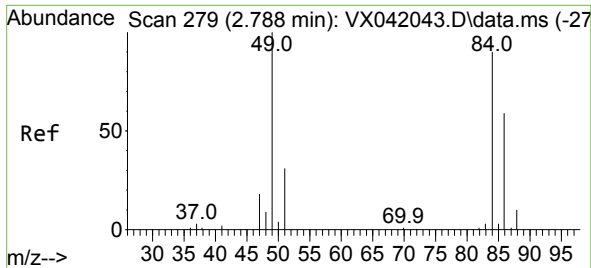
Tgt Ion: 43 Resp: 1981

Ion Ratio Lower Upper

43 100

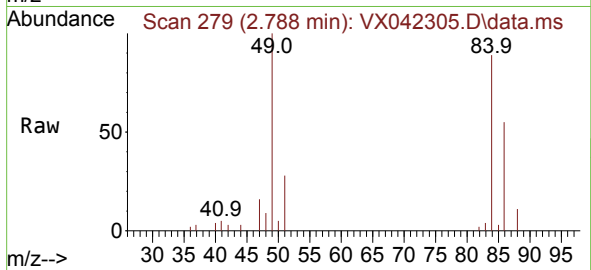
74 25.4 17.8 26.8



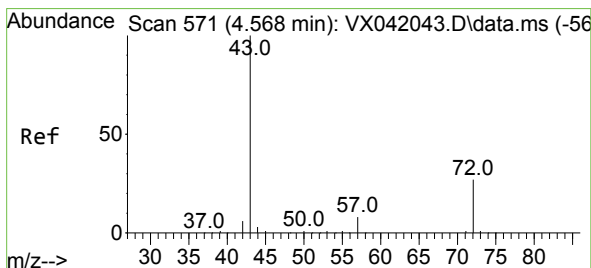
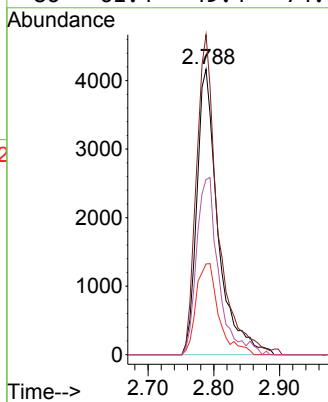
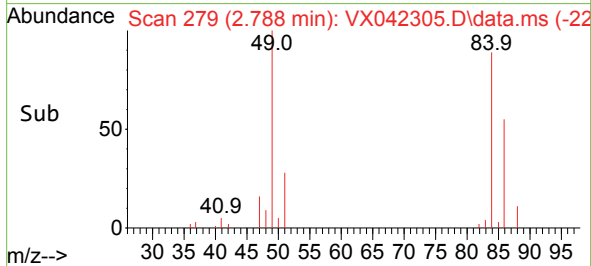


#20
Methylene Chloride
Concen: 5.359 ug/l
RT: 2.788 min Scan# 21
Delta R.T. 0.006 min
Lab File: VX042305.D
Acq: 12 Jul 2024 16:12

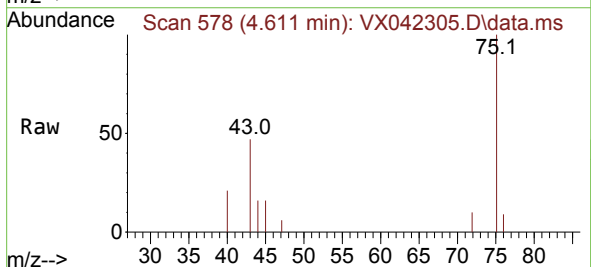
Instrument :
MSVOA_X
ClientSampleId :



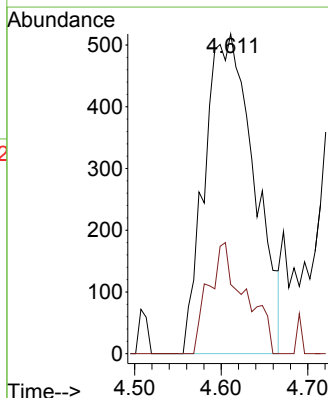
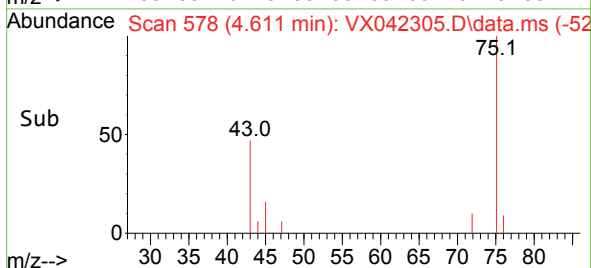
Tgt Ion:	84	Resp:	9313
Ion	Ratio	Lower	Upper
84	100		
49	112.1	103.6	155.4
51	31.8	33.8	50.6#
86	61.4	49.4	74.0

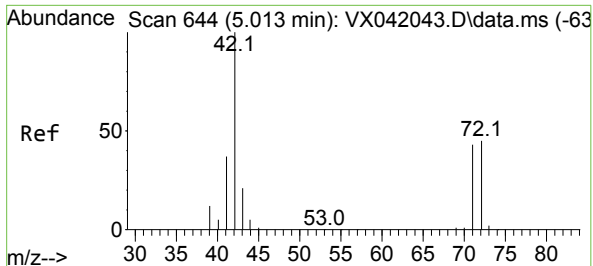


#25
2-Butanone
Concen: 1.668 ug/l
RT: 4.611 min Scan# 578
Delta R.T. 0.037 min
Lab File: VX042305.D
Acq: 12 Jul 2024 16:12



Tgt Ion:	43	Resp:	2059
Ion	Ratio	Lower	Upper
43	100		
72	21.6	19.4	29.2





#29

Tetrahydrofuran

Concen: 0.278 ug/l

RT: 5.038 min Scan# 64

Delta R.T. 0.018 min

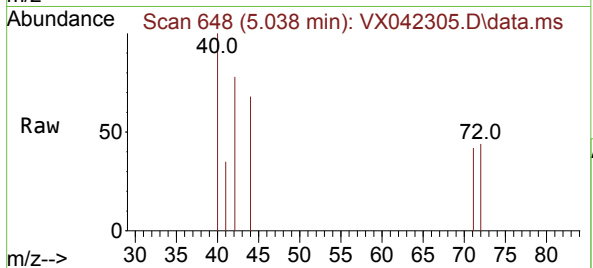
Lab File: VX042305.D

Acq: 12 Jul 2024 16:12

Instrument :

MSVOA_X

ClientSampleId :



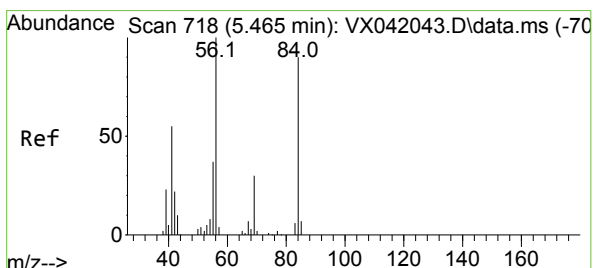
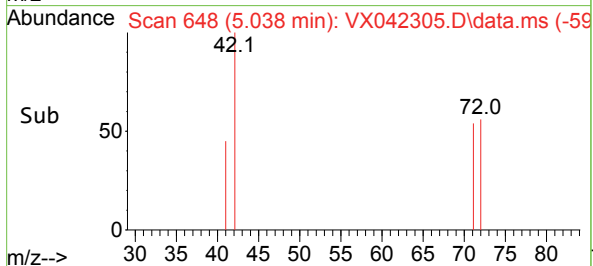
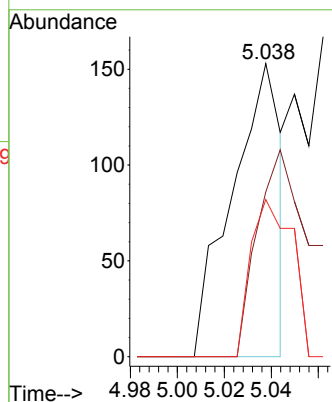
Tgt Ion: 42 Resp: 222

Ion Ratio Lower Upper

42 100

72 73.4 34.2 51.4#

71 45.5 32.2 48.2



#31

Cyclohexane

Concen: 0.998 ug/l

RT: 5.556 min Scan# 733

Delta R.T. 0.092 min

Lab File: VX042305.D

Acq: 12 Jul 2024 16:12

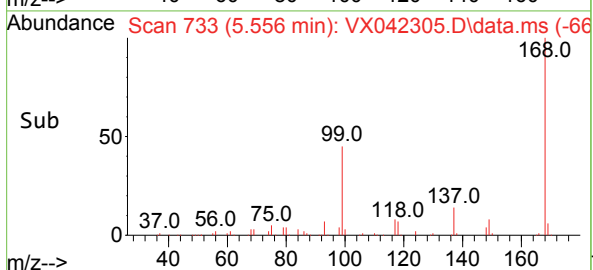
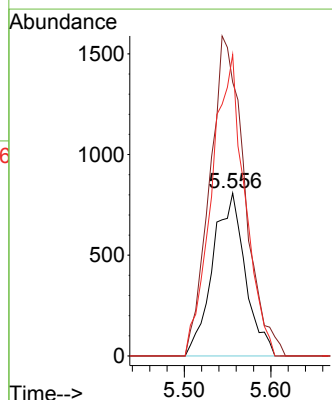
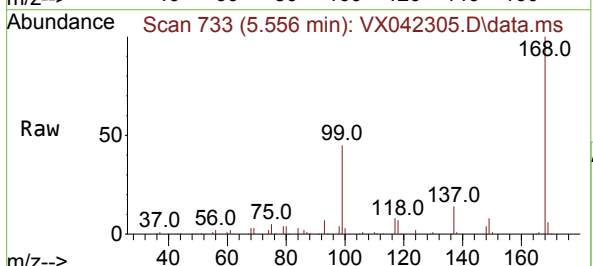
Tgt Ion: 56 Resp: 2110

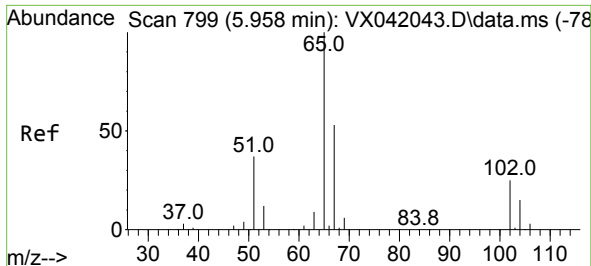
Ion Ratio Lower Upper

56 100

69 168.0 23.4 35.2#

84 184.9 65.9 98.9#





#33

1,2-Dichloroethane-d4

Concen: 48.936 ug/l

RT: 5.958 min Scan# 799

Delta R.T. 0.000 min

Lab File: VX042305.D

Acq: 12 Jul 2024 16:12

Instrument :

MSVOA_X

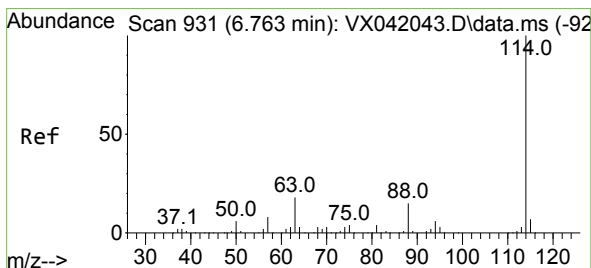
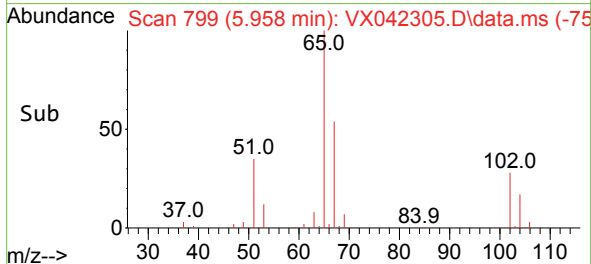
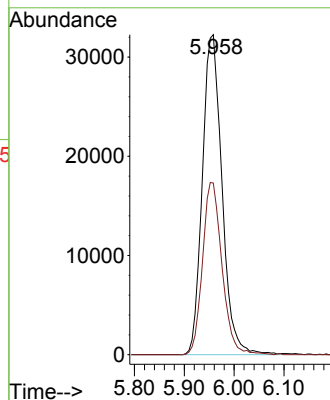
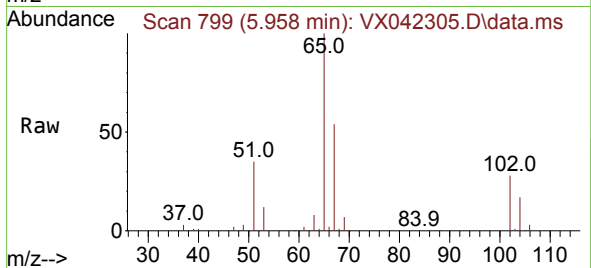
ClientSampleId :

Tgt Ion: 65 Resp: 88453

Ion Ratio Lower Upper

65 100

67 53.2 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: VX042305.D

Acq: 12 Jul 2024 16:12

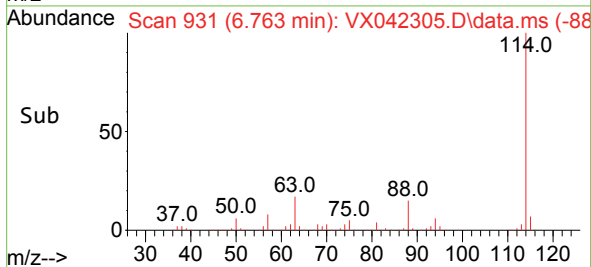
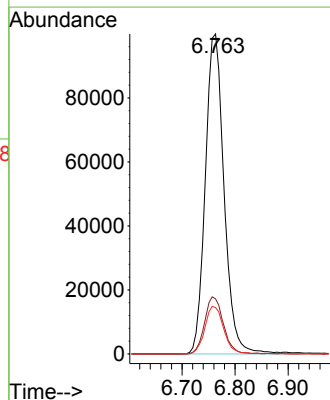
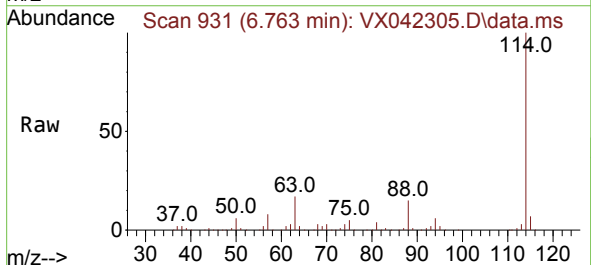
Tgt Ion: 114 Resp: 245589

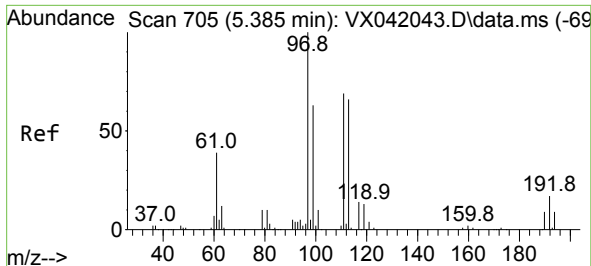
Ion Ratio Lower Upper

114 100

63 17.2 0.0 45.0

88 14.5 0.0 36.6

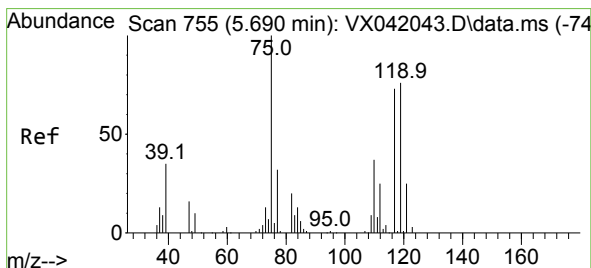
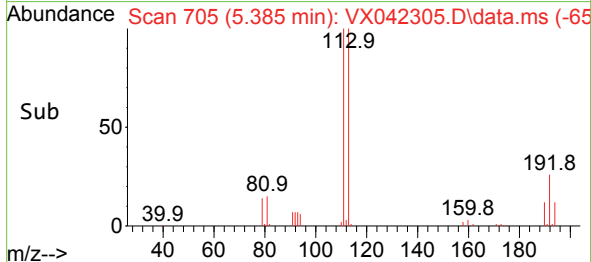
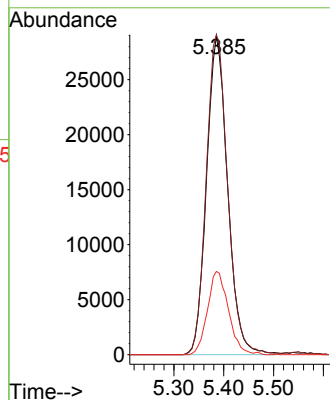
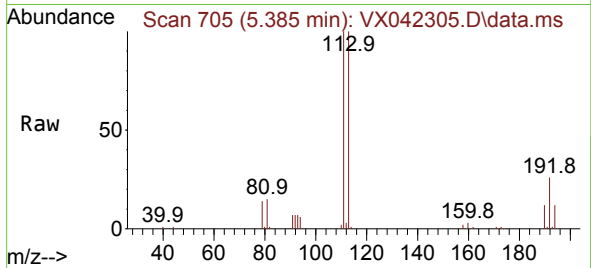




#35
Dibromofluoromethane
Concen: 48.778 ug/l
RT: 5.385 min Scan# 705
Delta R.T. -0.006 min
Lab File: VX042305.D
Acq: 12 Jul 2024 16:12

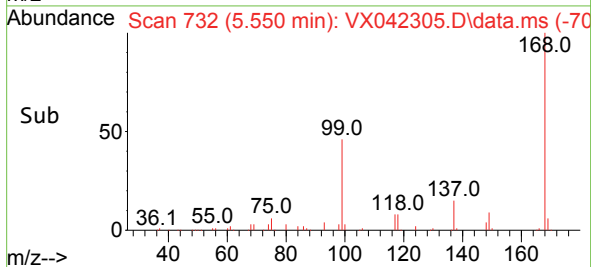
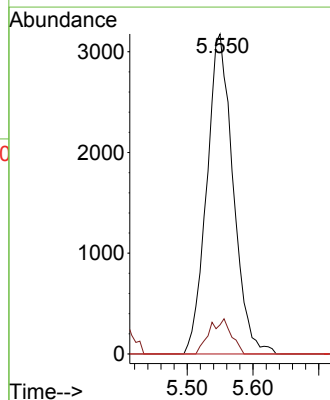
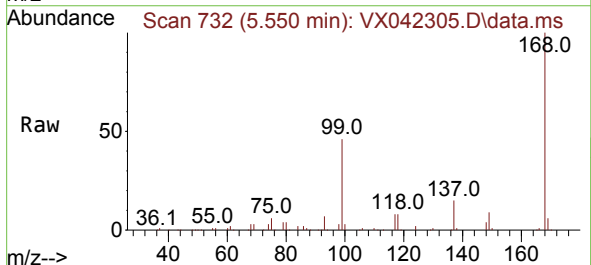
Instrument :
MSVOA_X
ClientSampleId :

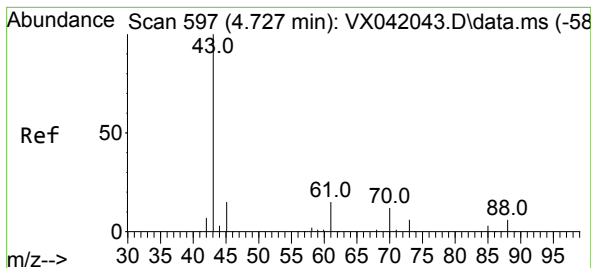
Tgt Ion:113 Resp: 84999
Ion Ratio Lower Upper
113 100
111 102.4 82.9 124.3
192 26.1 13.3 19.9#



#36
1,1-Dichloropropene
Concen: 4.790 ug/l
RT: 5.550 min Scan# 732
Delta R.T. -0.140 min
Lab File: VX042305.D
Acq: 12 Jul 2024 16:12

Tgt Ion: 75 Resp: 8863
Ion Ratio Lower Upper
75 100
110 9.1 17.0 50.9#
77 0.0 24.7 37.1#





#37

Ethyl Acetate

Concen: 0.939 ug/l

RT: 4.739 min Scan# 599

Delta R.T. 0.012 min

Lab File: VX042305.D

Acq: 12 Jul 2024 16:12

Instrument :

MSVOA_X

ClientSampleId :

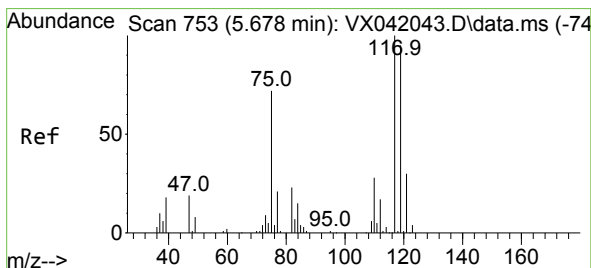
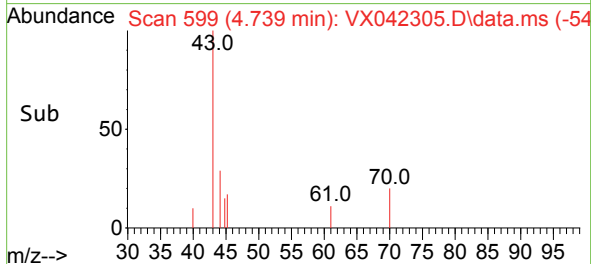
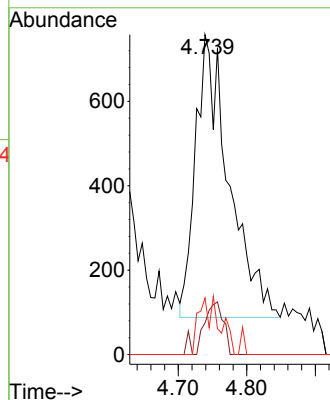
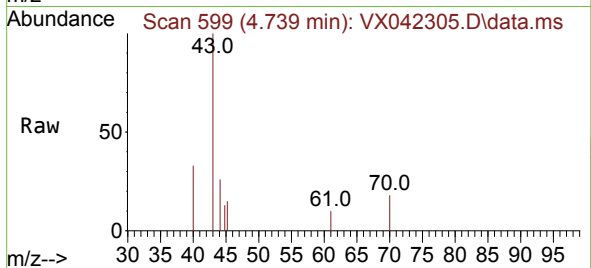
Tgt Ion: 43 Resp: 2264

Ion Ratio Lower Upper

43 100

61 10.3 10.6 16.0#

70 12.8 8.3 12.5#



#38

Carbon Tetrachloride

Concen: 6.405 ug/l

RT: 5.550 min Scan# 732

Delta R.T. -0.128 min

Lab File: VX042305.D

Acq: 12 Jul 2024 16:12

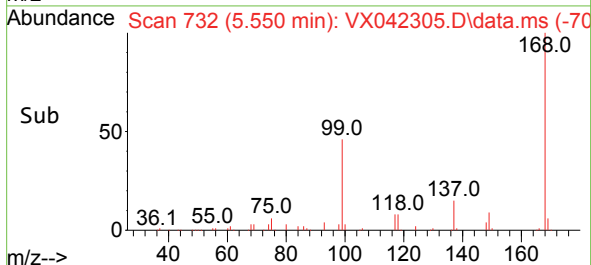
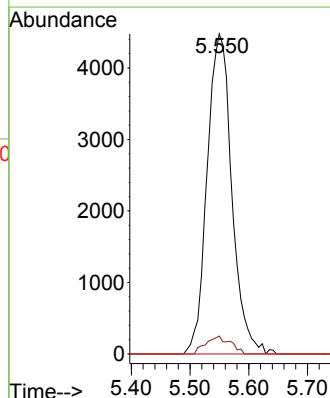
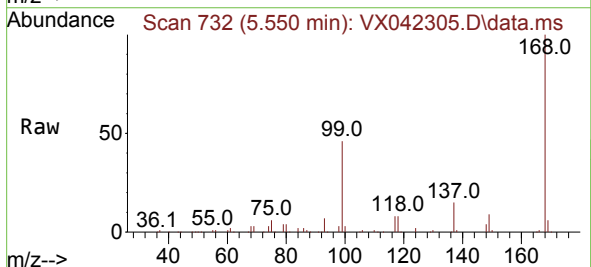
Tgt Ion: 117 Resp: 13095

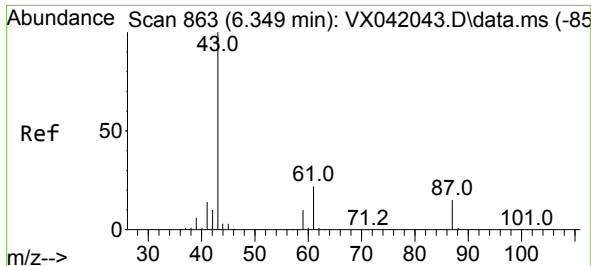
Ion Ratio Lower Upper

117 100

119 5.6 78.2 117.2#

121 0.0 24.4 36.6#

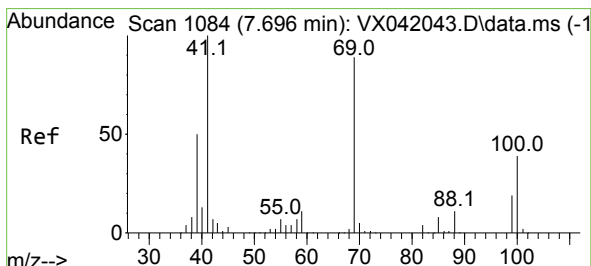
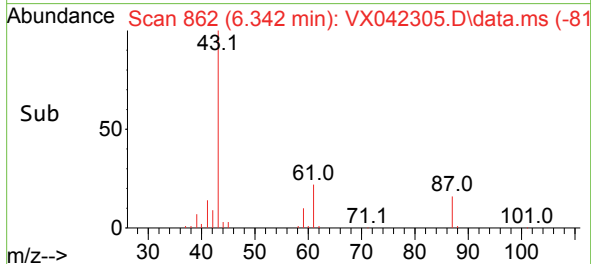
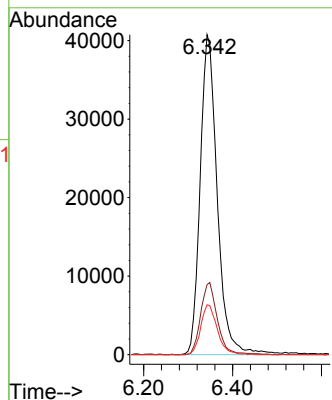
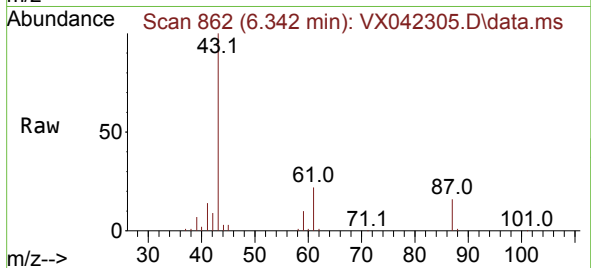




#43
Isopropyl Acetate
Concen: 29.445 ug/l
RT: 6.342 min Scan# 81
Delta R.T. -0.006 min
Lab File: VX042305.D
Acq: 12 Jul 2024 16:12

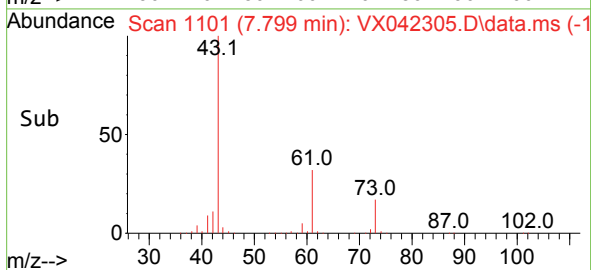
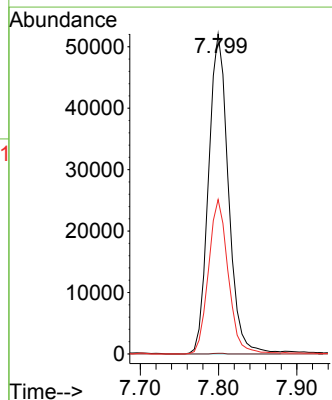
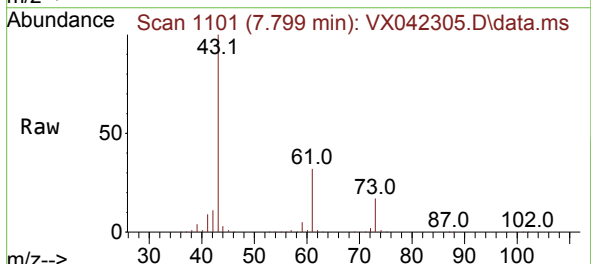
Instrument :
MSVOA_X
ClientSampleId :

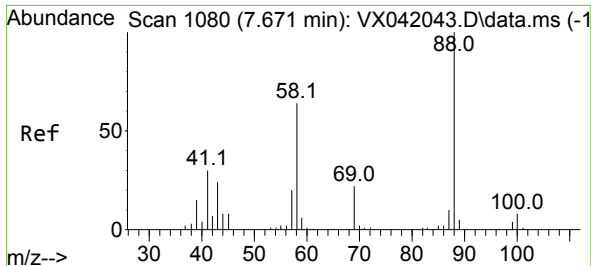
Tgt Ion: 43 Resp: 108948
Ion Ratio Lower Upper
43 100
61 22.1 15.2 22.8
87 15.1 9.8 14.6#



#48
Methyl methacrylate
Concen: 51.947 ug/l
RT: 7.799 min Scan# 1101
Delta R.T. 0.104 min
Lab File: VX042305.D
Acq: 12 Jul 2024 16:12

Tgt Ion: 41 Resp: 91729
Ion Ratio Lower Upper
41 100
69 0.1 59.2 88.8#
39 48.0 47.7 71.5

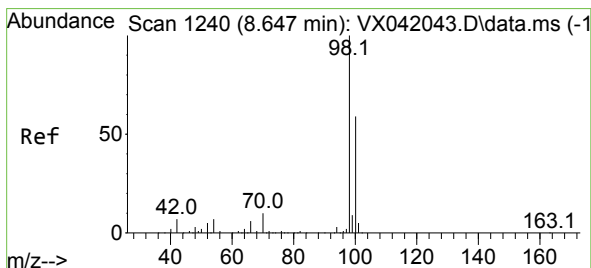
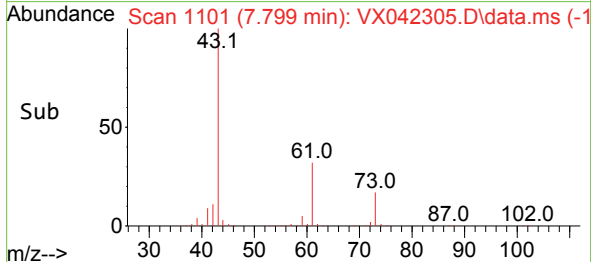
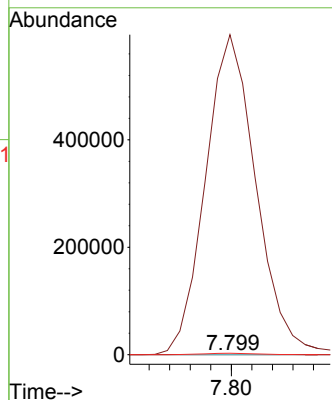
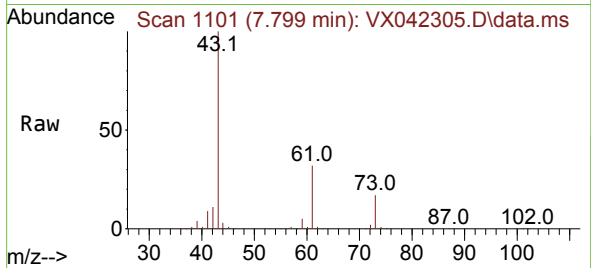




#49
1,4-Dioxane
Concen: 23.204 ug/l
RT: 7.799 min Scan# 1101
Delta R.T. 0.134 min
Lab File: VX042305.D
Acq: 12 Jul 2024 16:12

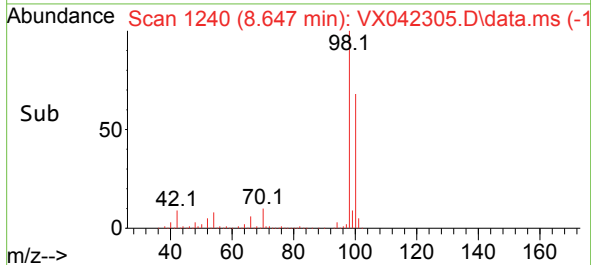
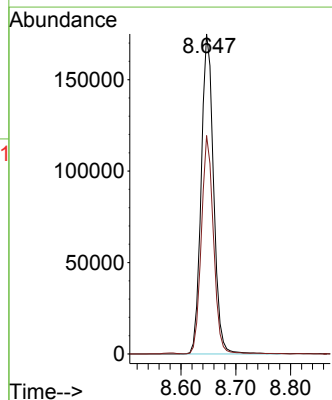
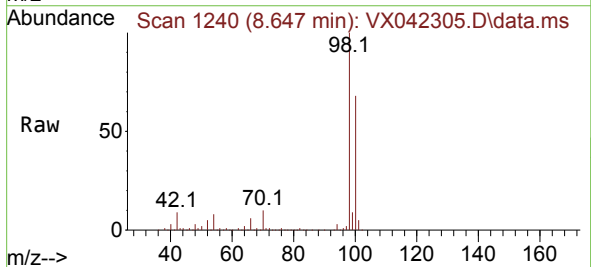
Instrument :
MSVOA_X
ClientSampleId :

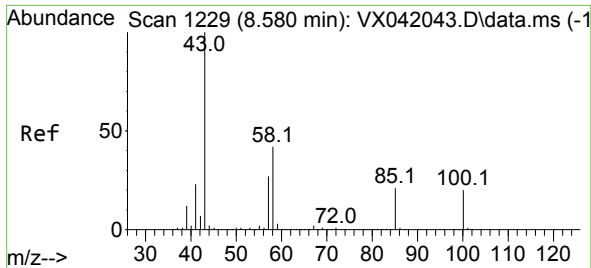
Tgt Ion: 88 Resp: 156
Ion Ratio Lower Upper
88 100
43 663409.6 0.0 0.0#
58 3146.8 60.1 90.1#



#50
Toluene-d8
Concen: 44.839 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. 0.000 min
Lab File: VX042305.D
Acq: 12 Jul 2024 16:12

Tgt Ion: 98 Resp: 274498
Ion Ratio Lower Upper
98 100
100 66.7 53.1 79.7

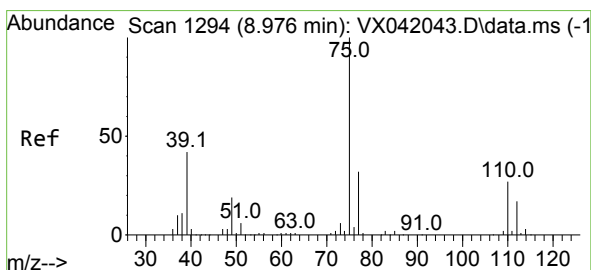
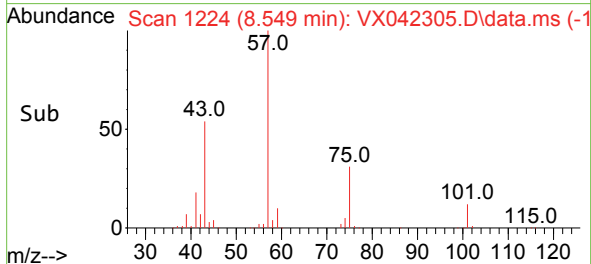
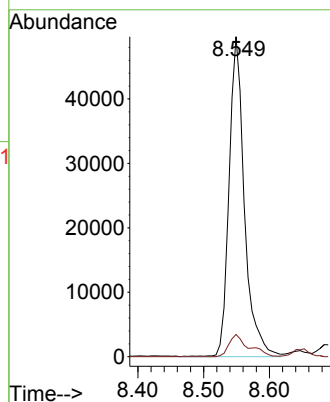
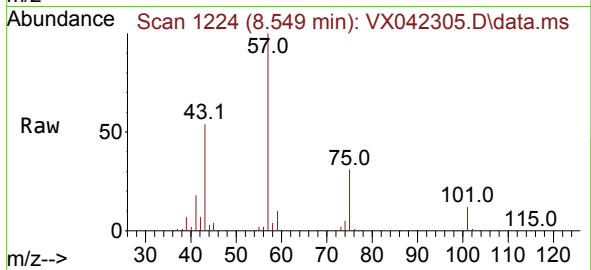




#51
4-Methyl-2-Pentanone
Concen: 31.674 ug/l
RT: 8.549 min Scan# 11
Delta R.T. -0.030 min
Lab File: VX042305.D
Acq: 12 Jul 2024 16:12

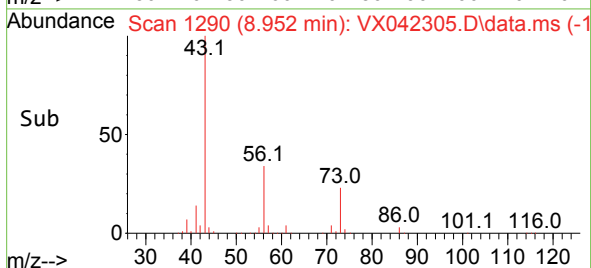
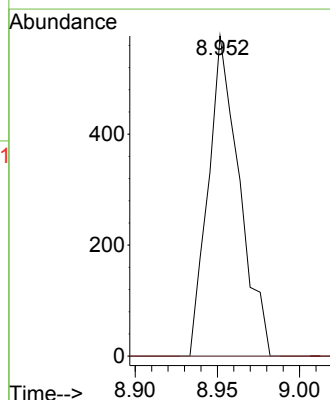
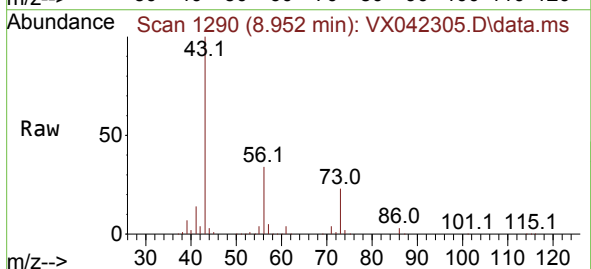
Instrument :
MSVOA_X
ClientSampleId :

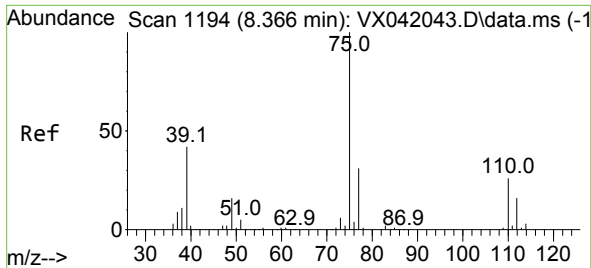
Tgt Ion: 43 Resp: 80728
Ion Ratio Lower Upper
43 100
58 9.0 30.4 45.6#



#53
t-1,3-Dichloropropene
Concen: 1.244 ug/l
RT: 8.952 min Scan# 1290
Delta R.T. -0.030 min
Lab File: VX042305.D
Acq: 12 Jul 2024 16:12

Tgt Ion: 75 Resp: 759
Ion Ratio Lower Upper
75 100
77 0.0 25.7 38.5#

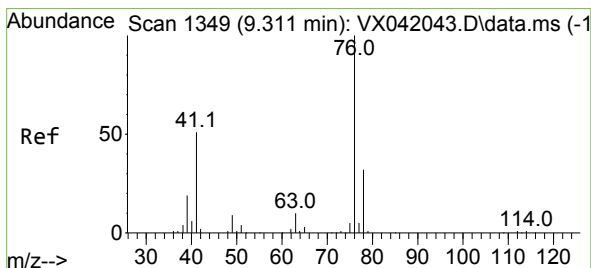
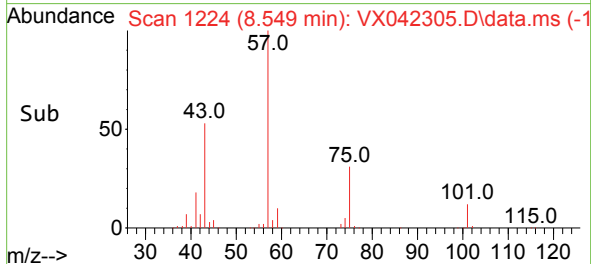
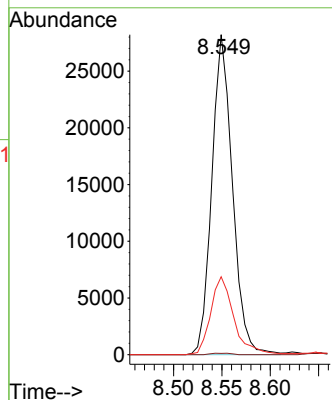
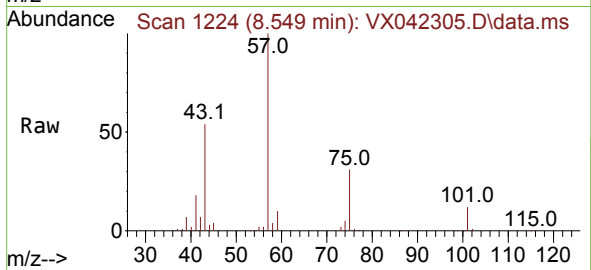




#54
cis-1,3-Dichloropropene
Concen: 18.636 ug/l
RT: 8.549 min Scan# 1194
Delta R.T. 0.183 min
Lab File: VX042305.D
Acq: 12 Jul 2024 16:12

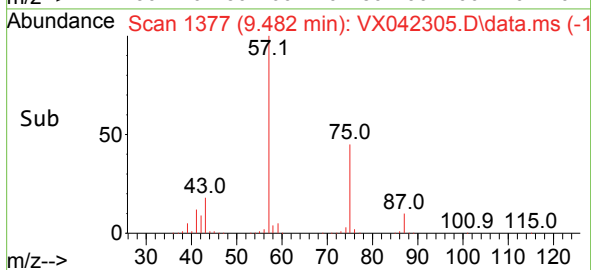
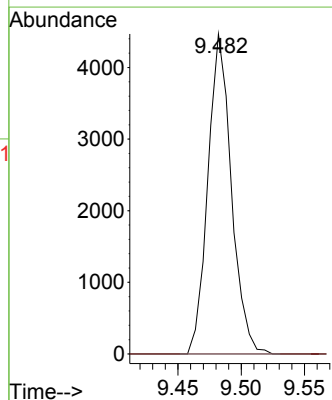
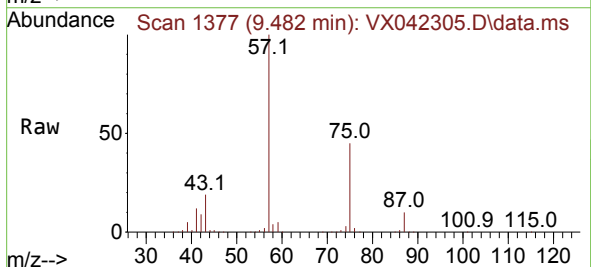
Instrument :
MSVOA_X
ClientSampleId :

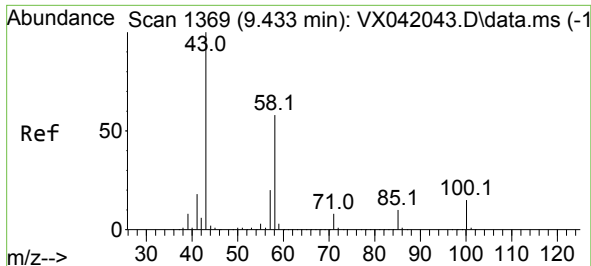
Tgt Ion	Ratio	Lower	Upper
75	100		
77	0.4	25.3	37.9#
39	24.3	46.7	70.1#



#57
1,3-Dichloropropane
Concen: 2.156 ug/l
RT: 9.482 min Scan# 1377
Delta R.T. 0.171 min
Lab File: VX042305.D
Acq: 12 Jul 2024 16:12

Tgt Ion	Ratio	Lower	Upper
76	100		
78	0.0	26.1	39.1#

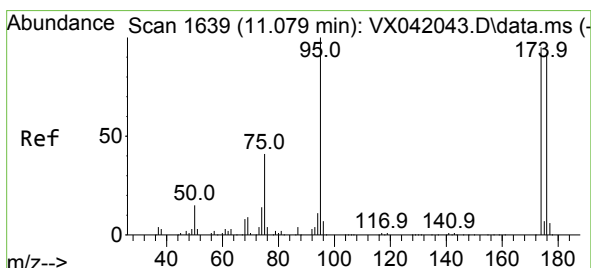
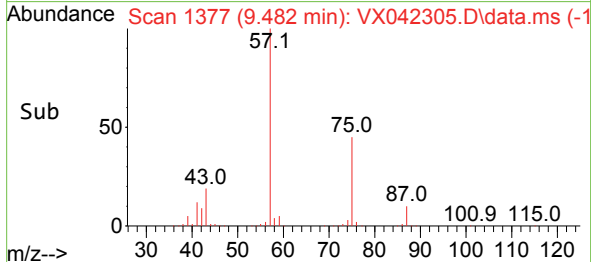
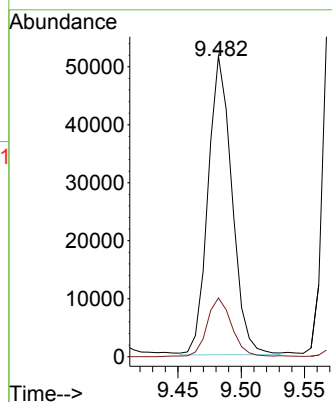
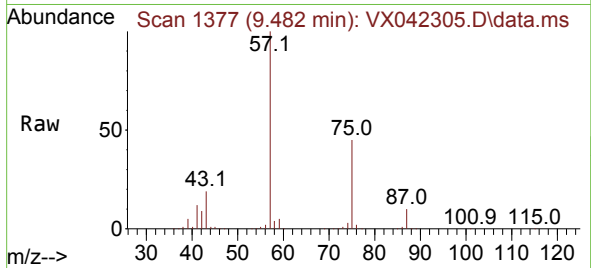




#59
2-Hexanone
Concen: 34.780 ug/l
RT: 9.482 min Scan# 11
Delta R.T. 0.049 min
Lab File: VX042305.D
Acq: 12 Jul 2024 16:12

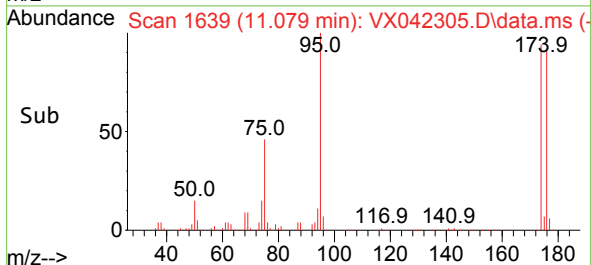
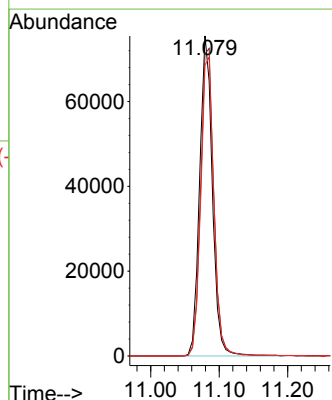
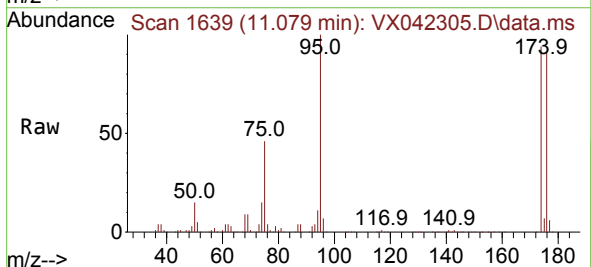
Instrument :
MSVOA_X
ClientSampleId :

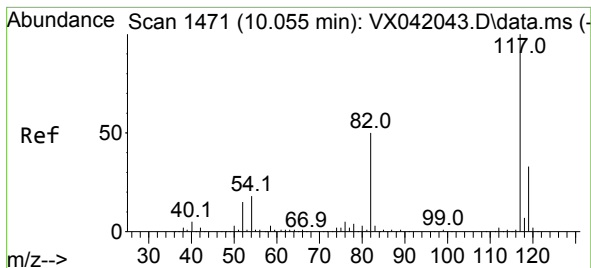
Tgt Ion: 43 Resp: 67894
Ion Ratio Lower Upper
43 100
58 20.6 26.2 78.5#



#62
4-Bromofluorobenzene
Concen: 43.342 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.000 min
Lab File: VX042305.D
Acq: 12 Jul 2024 16:12

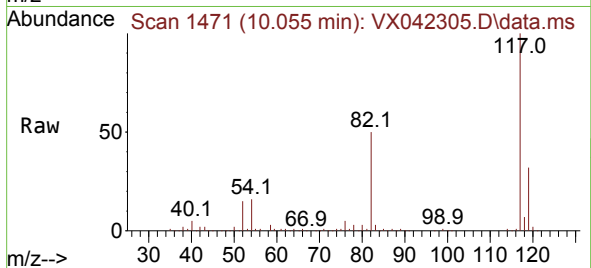
Tgt Ion: 95 Resp: 97808
Ion Ratio Lower Upper
95 100
174 99.7 0.0 135.6
176 96.4 0.0 131.0



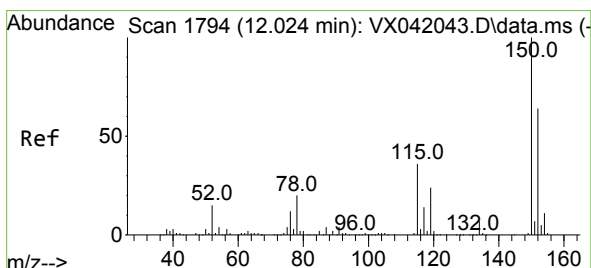
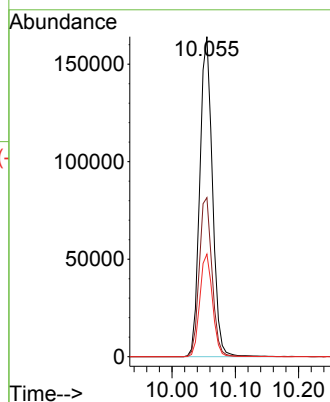
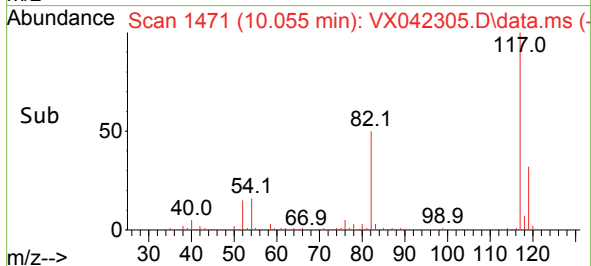


#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.000 min
Lab File: VX042305.D
Acq: 12 Jul 2024 16:12

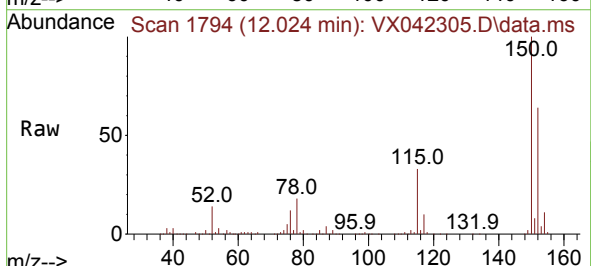
Instrument :
MSVOA_X
ClientSampleId :



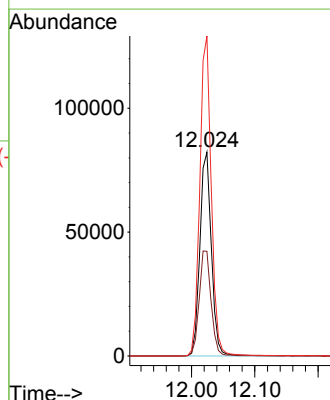
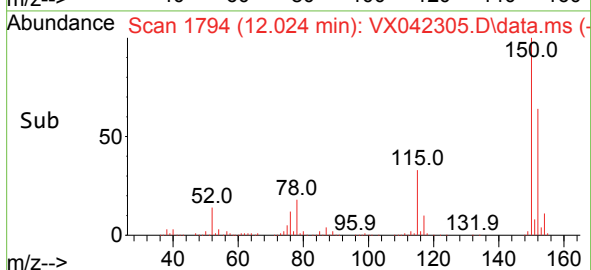
Tgt Ion:117 Resp: 228838
Ion Ratio Lower Upper
117 100
82 49.7 46.2 69.4
119 32.1 25.5 38.3

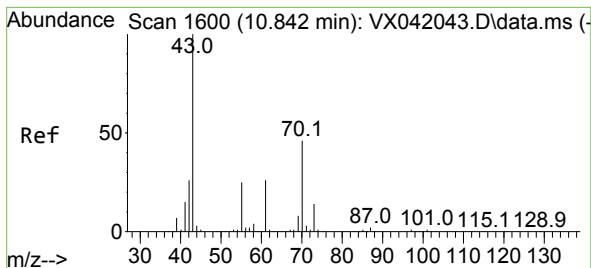


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. 0.000 min
Lab File: VX042305.D
Acq: 12 Jul 2024 16:12



Tgt Ion:152 Resp: 104395
Ion Ratio Lower Upper
152 100
115 53.1 43.3 129.9
150 156.2 0.0 345.0





#74

N-ethyl acetate

Concen: 0.268 ug/l

RT: 10.817 min Scan# 1639

Delta R.T. -0.024 min

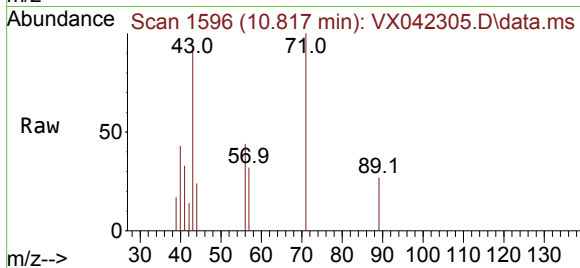
Lab File: VX042305.D

Acq: 12 Jul 2024 16:12

Instrument :

MSVOA_X

ClientSampleId :



Tgt Ion: 43 Resp: 757

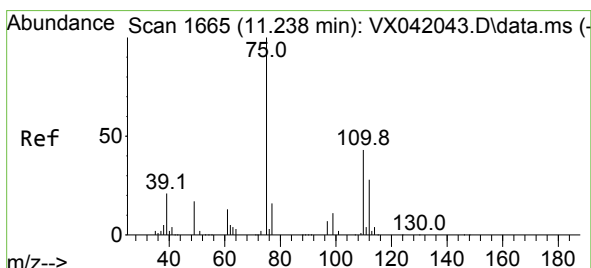
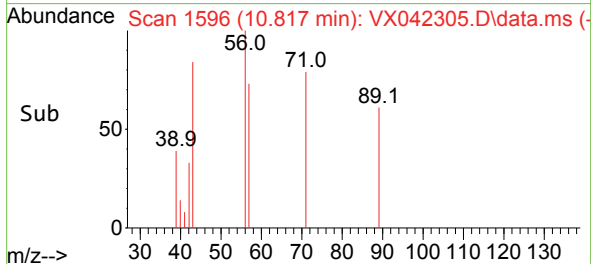
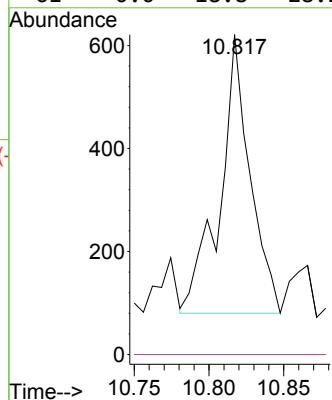
Ion Ratio Lower Upper

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: 23.233 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. -0.158 min

Lab File: VX042305.D

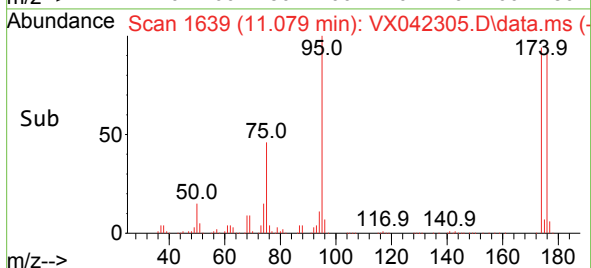
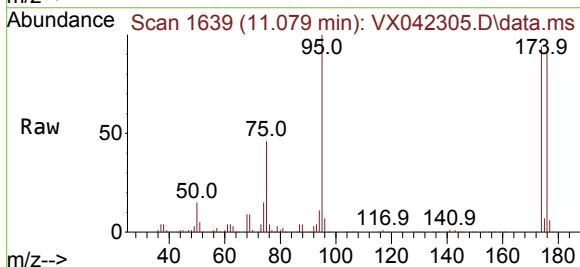
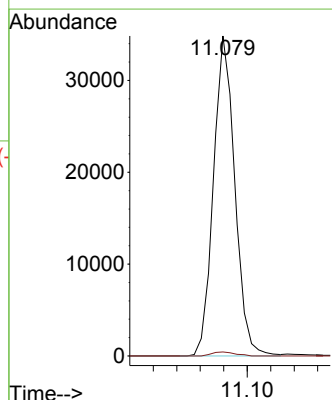
Acq: 12 Jul 2024 16:12

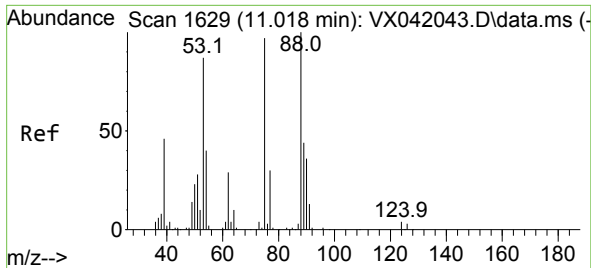
Tgt Ion: 75 Resp: 44030

Ion Ratio Lower Upper

75 100

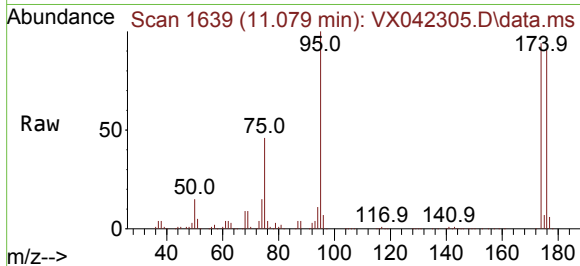
77 1.4 19.1 57.5#



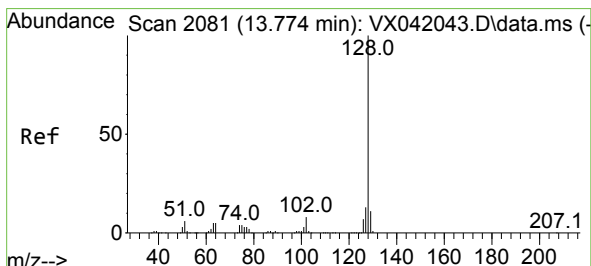
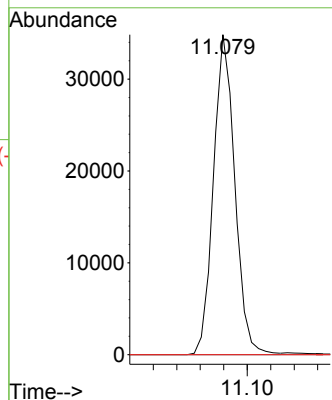
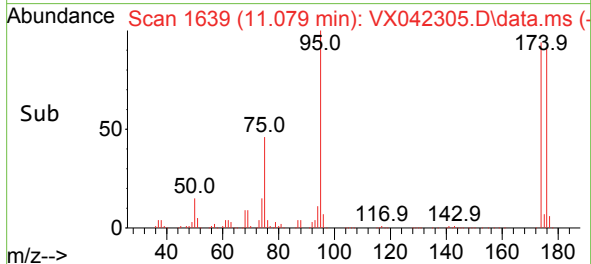


#81
trans-1,4-Dichloro-2-butene
Concen: 65.978 ug/l
RT: 11.079 min Scan# 1
Delta R.T. 0.061 min
Lab File: VX042305.D
Acq: 12 Jul 2024 16:12

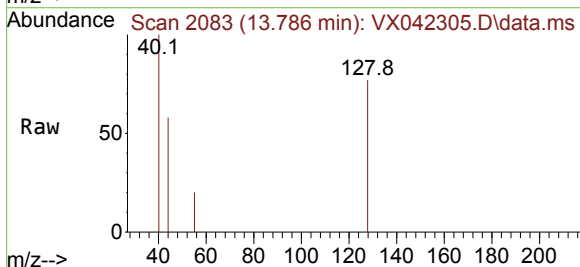
Instrument :
MSVOA_X
ClientSampleId :



Tgt Ion: 75 Resp: 44030
Ion Ratio Lower Upper
75 100
53 0.0 90.5 135.7#
89 0.0 36.9 55.3#



#95
Naphthalene
Concen: 0.789 ug/l
RT: 13.786 min Scan# 2083
Delta R.T. 0.012 min
Lab File: VX042305.D
Acq: 12 Jul 2024 16:12



Tgt Ion: 128 Resp: 314
Ion Ratio Lower Upper
128 100
127 0.0 10.3 15.5#
129 0.0 8.8 13.2#

