

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX071624\
 Data File : VX042347.D
 Acq On : 16 Jul 2024 17:05
 Operator : JC/MD
 Sample : PB162077ZHE#04
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Jul 17 05:40:14 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)

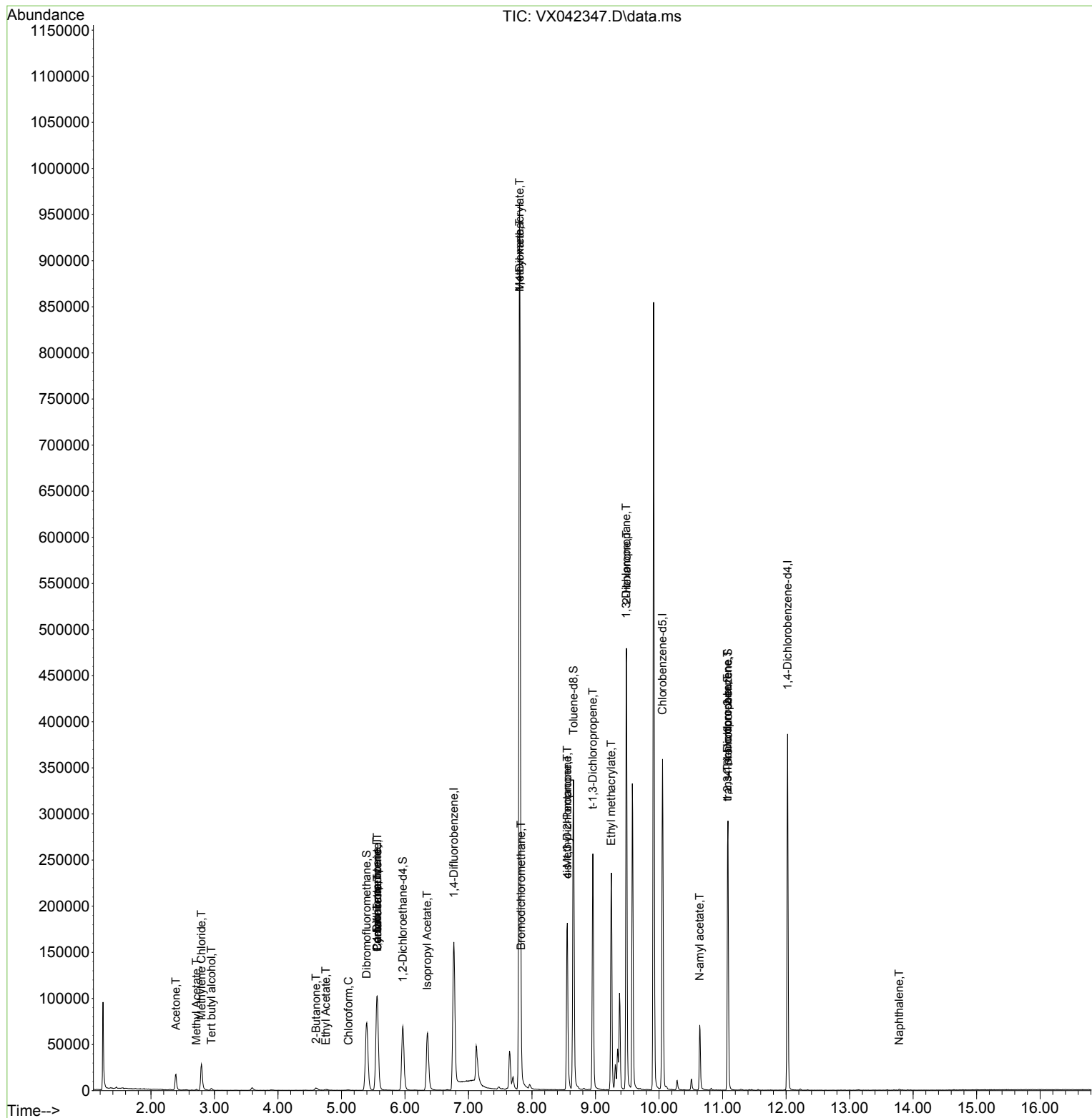
Internal Standards						
1) Pentafluorobenzene	5.562	168	114765	50.000	ug/l	# 0.01
34) 1,4-Difluorobenzene	6.769	114	181971	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	176051	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	91147	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.964	65	66149	49.985	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	=	99.960%
35) Dibromofluoromethane	5.397	113	64860	50.233	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	100.460%
50) Toluene-d8	8.653	98	207778	45.807	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	=	91.620%#
62) 4-Bromofluorobenzene	11.085	95	77224	46.185	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	92.360%
Target Compounds						
					Qvalue	
6) Chloroethane	1.691	64	324	Below Cal	#	43
11) Tert butyl alcohol	2.953	59	1416	5.638	ug/l	# 78
16) Acetone	2.392	43	18846	32.432	ug/l	92
18) Methyl Acetate	2.715	43	1403	0.885	ug/l	93
20) Methylene Chloride	2.794	84	16201	12.733	ug/l	85
25) 2-Butanone	4.599	43	958	1.060	ug/l	# 86
30) Chloroform	5.111	83	807	0.417	ug/l	100
31) Cyclohexane	5.562	56	1471	0.950	ug/l	# 1
36) 1,1-Dichloropropene	5.556	75	6358	4.637	ug/l	# 51
37) Ethyl Acetate	4.751	43	1857	1.040	ug/l	# 82
38) Carbon Tetrachloride	5.562	117	9326	6.156	ug/l	# 16
43) Isopropyl Acetate	6.348	43	87945	32.079	ug/l	# 93
47) Bromodichloromethane	7.830	83	323	0.212	ug/l	# 76
48) Methyl methacrylate	7.805	41	77362	59.128	ug/l	# 44
49) 1,4-Dioxane	7.805	88	135	23.753	ug/l	# 1
51) 4-Methyl-2-Pentanone	8.555	43	60904	32.250	ug/l	# 53
53) t-1,3-Dichloropropene	8.958	75	667	1.309	ug/l	# 43
54) cis-1,3-Dichloropropene	8.555	75	32798	19.695	ug/l	# 50
56) Ethyl methacrylate	9.244	69	778	0.408	ug/l	# 1
57) 1,3-Dichloropropane	9.482	76	4779	2.411	ug/l	# 42
59) 2-Hexanone	9.488	43	54560	37.721	ug/l	# 55
74) N-amyl acetate	10.640	43	17094	6.944	ug/l	# 54
76) 1,2,3-Trichloropropane	11.079	75	34604	20.913	ug/l	# 39
81) trans-1,4-Dichloro-2-b...	11.079	75	34604	59.390	ug/l	# 5
95) Naphthalene	13.780	128	1301	0.944	ug/l	# 89

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

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX071624\
Data File : VX042347.D
Acq On : 16 Jul 2024 17:05
Operator : JC/MD
Sample : PB162077ZHE#04
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 16 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :

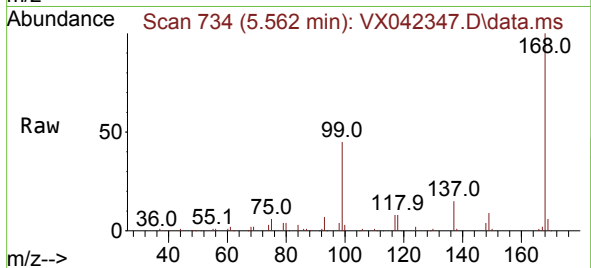
Quant Time: Jul 17 05:40:14 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X061824W.M
Quant Title : SW846 8260
QLast Update : Fri Jun 21 23:51:58 2024
Response via : Initial Calibration



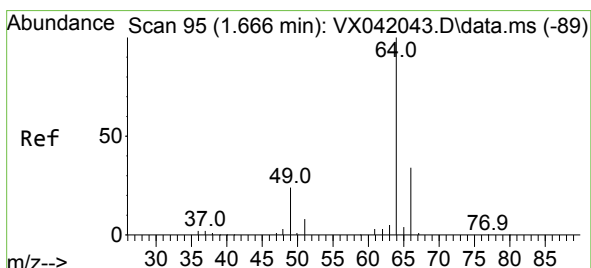
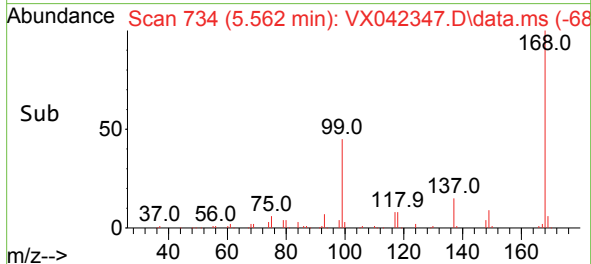
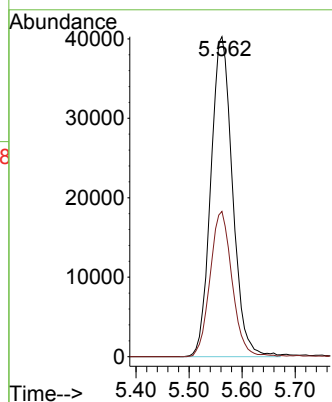


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.562 min Scan# 71
Delta R.T. 0.012 min
Lab File: VX042347.D
Acq: 16 Jul 2024 17:05

Instrument :
MSVOA_X
ClientSampleId :

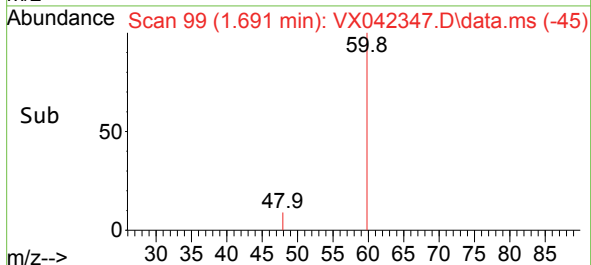
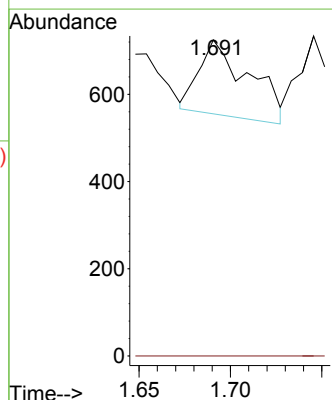
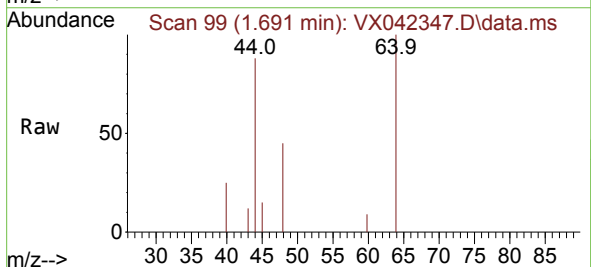


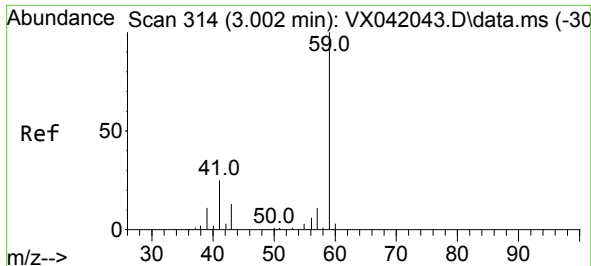
Tgt Ion:168 Resp: 114765
Ion Ratio Lower Upper
168 100
99 45.4 56.6 85.0#



#6
Chloroethane
Concen: Below Cal
RT: 1.691 min Scan# 99
Delta R.T. 0.031 min
Lab File: VX042347.D
Acq: 16 Jul 2024 17:05

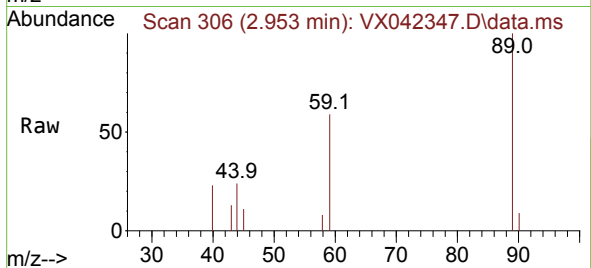
Tgt Ion: 64 Resp: 324
Ion Ratio Lower Upper
64 100
66 0.0 25.1 37.7#



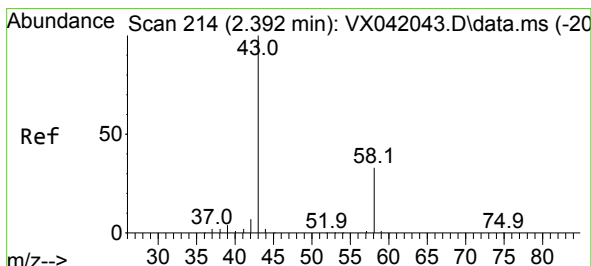
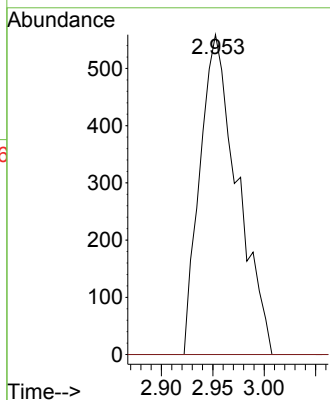
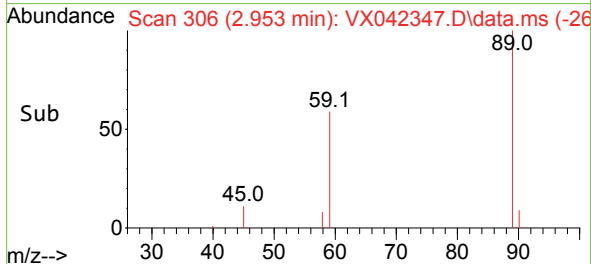


#11
Tert butyl alcohol
Concen: 5.638 ug/l
RT: 2.953 min Scan# 306
Delta R.T. -0.055 min
Lab File: VX042347.D
Acq: 16 Jul 2024 17:05

Instrument :
MSVOA_X
ClientSampleId :

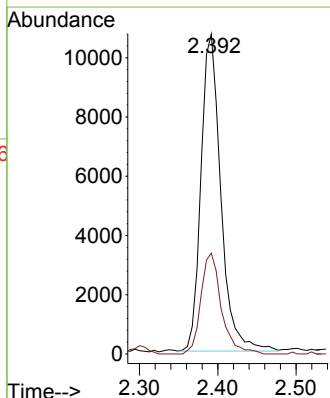
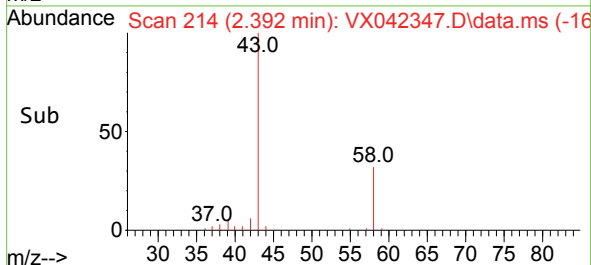
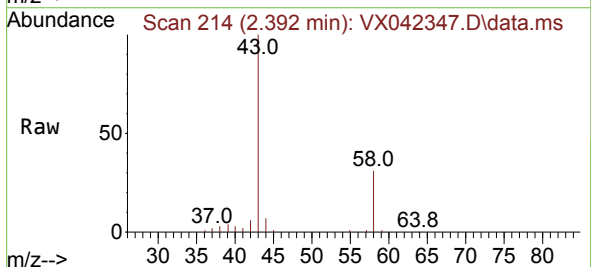


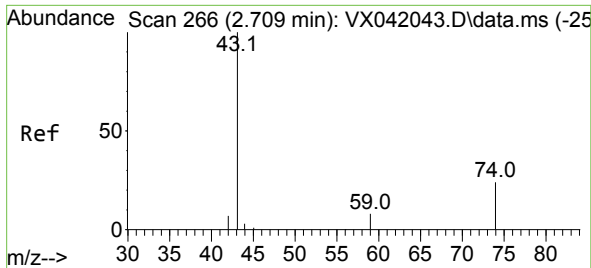
Tgt Ion: 59 Resp: 1416
Ion Ratio Lower Upper
59 100
57 0.0 6.0 9.0#



#16
Acetone
Concen: 32.432 ug/l
RT: 2.392 min Scan# 214
Delta R.T. -0.006 min
Lab File: VX042347.D
Acq: 16 Jul 2024 17:05

Tgt Ion: 43 Resp: 18846
Ion Ratio Lower Upper
43 100
58 31.8 21.9 32.9

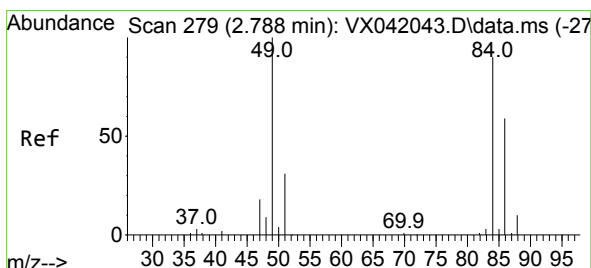
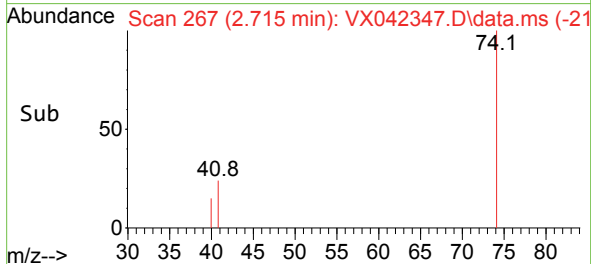
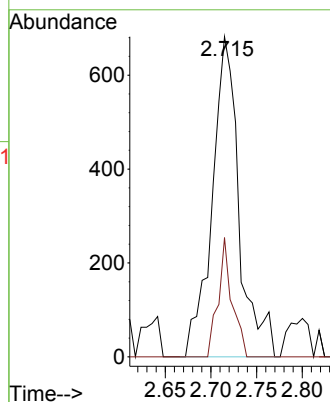
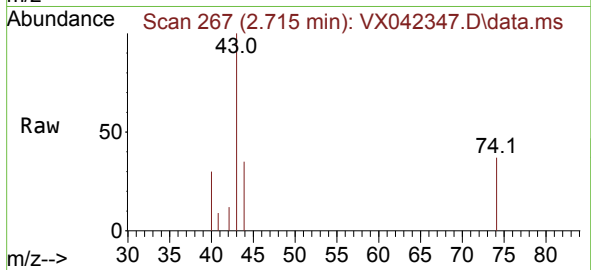




#18
Methyl Acetate
Concen: 0.885 ug/l
RT: 2.715 min Scan# 21
Delta R.T. 0.006 min
Lab File: VX042347.D
Acq: 16 Jul 2024 17:05

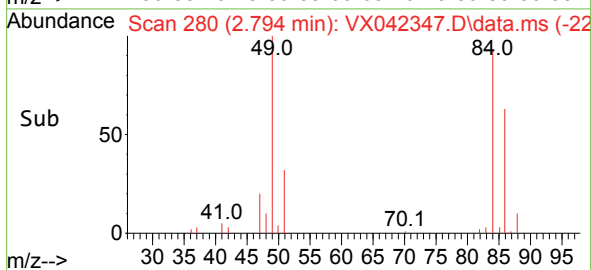
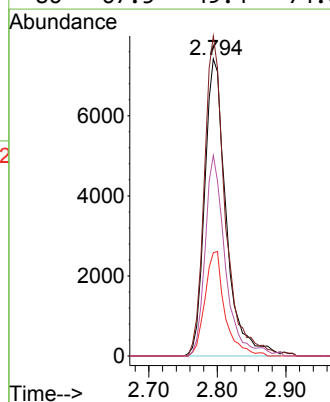
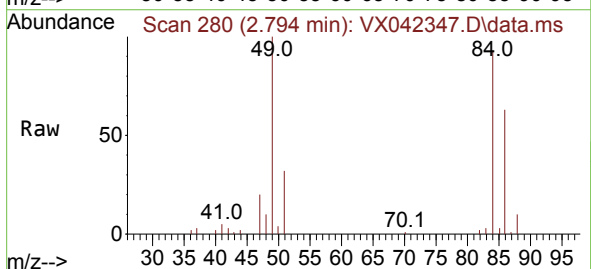
Instrument :
MSVOA_X
ClientSampleId :

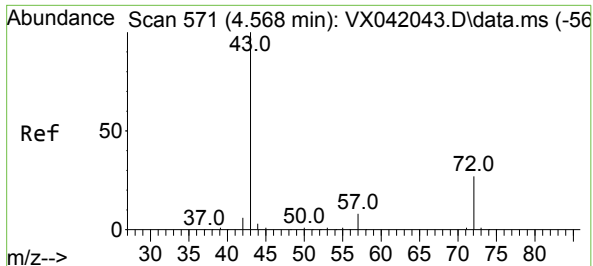
Tgt Ion: 43 Resp: 1403
Ion Ratio Lower Upper
43 100
74 19.0 17.8 26.8



#20
Methylene Chloride
Concen: 12.733 ug/l
RT: 2.794 min Scan# 280
Delta R.T. 0.012 min
Lab File: VX042347.D
Acq: 16 Jul 2024 17:05

Tgt Ion: 84 Resp: 16201
Ion Ratio Lower Upper
84 100
49 107.7 103.6 155.4
51 34.7 33.8 50.6
86 67.5 49.4 74.0





#25

2-Butanone

Concen: 1.060 ug/l

RT: 4.599 min Scan# 51

Delta R.T. 0.024 min

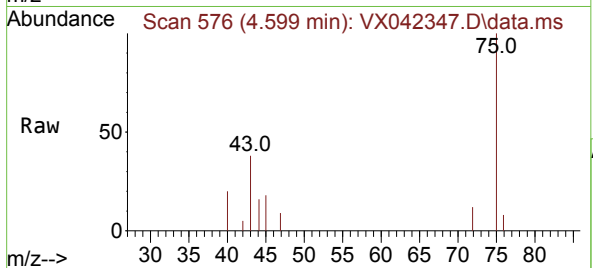
Lab File: VX042347.D

Acq: 16 Jul 2024 17:05

Instrument :

MSVOA_X

ClientSampleId :

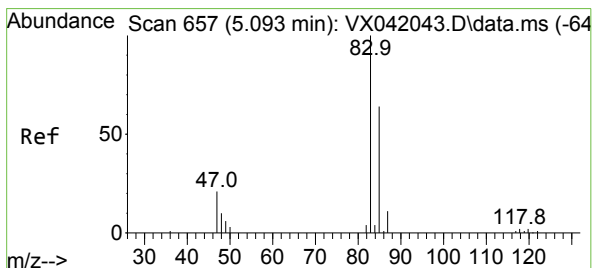
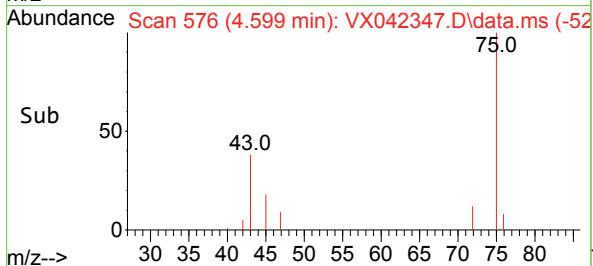
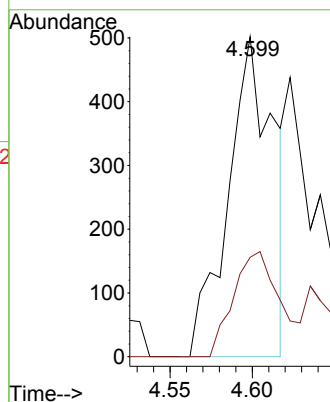


Tgt Ion: 43 Resp: 958

Ion Ratio Lower Upper

43 100

72 31.1 19.4 29.2#



#30

Chloroform

Concen: 0.417 ug/l

RT: 5.111 min Scan# 660

Delta R.T. 0.012 min

Lab File: VX042347.D

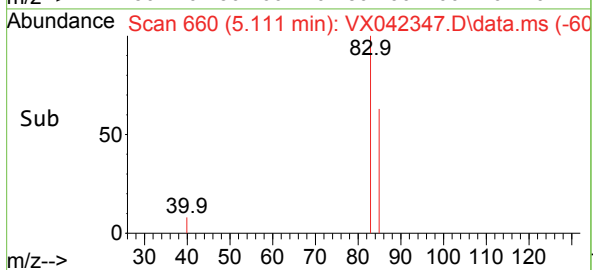
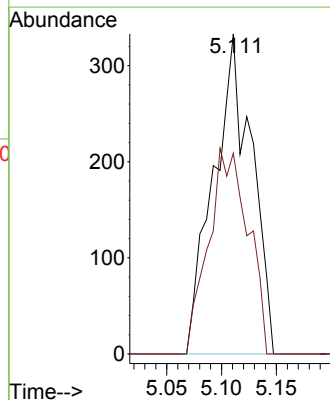
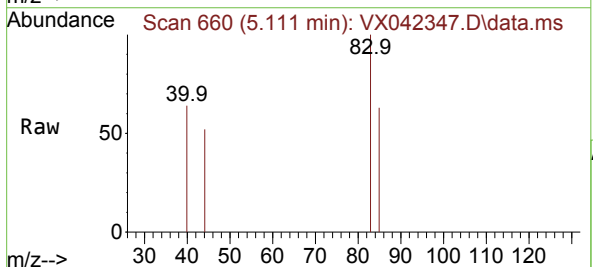
Acq: 16 Jul 2024 17:05

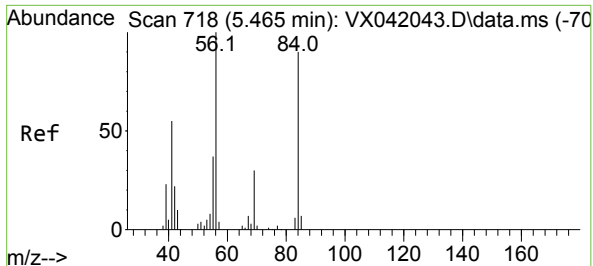
Tgt Ion: 83 Resp: 807

Ion Ratio Lower Upper

83 100

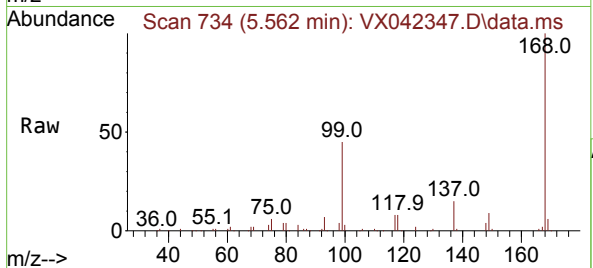
85 62.8 50.3 75.5



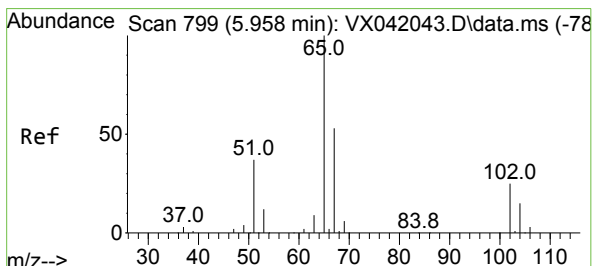
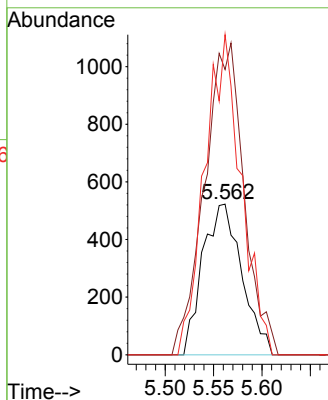
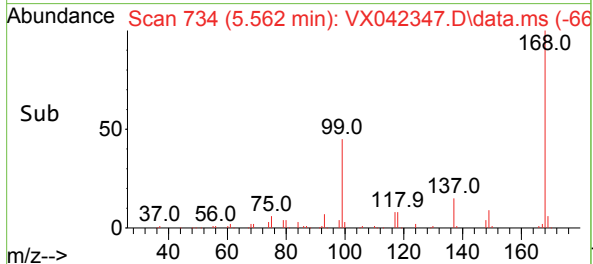


#31
Cyclohexane
Concen: 0.950 ug/l
RT: 5.562 min Scan# 718
Delta R.T. 0.098 min
Lab File: VX042347.D
Acq: 16 Jul 2024 17:05

Instrument :
MSVOA_X
ClientSampleId :

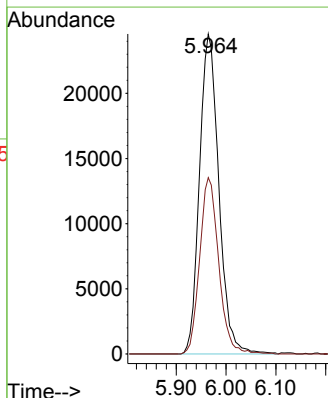
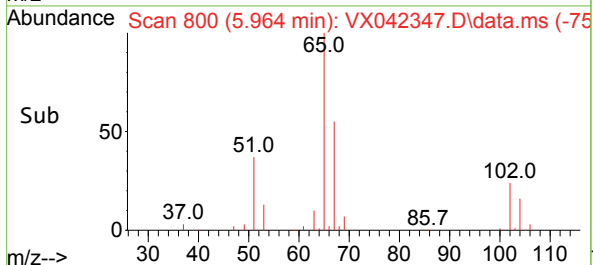
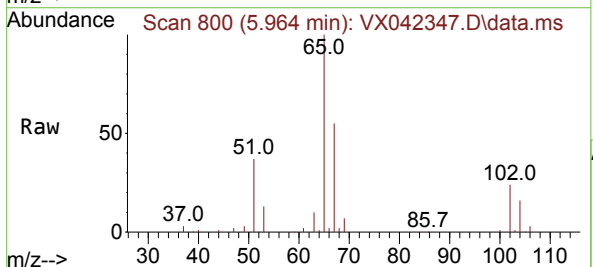


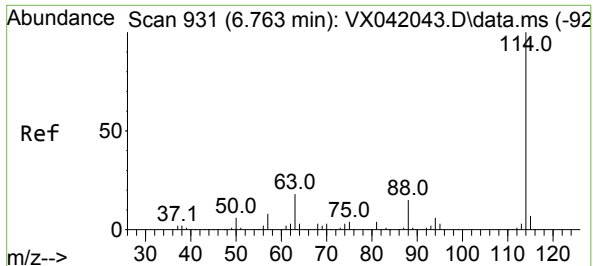
Tgt Ion: 56 Resp: 1471
Ion Ratio Lower Upper
56 100
69 189.3 23.4 35.2#
84 212.4 65.9 98.9#



#33
1,2-Dichloroethane-d4
Concen: 49.985 ug/l
RT: 5.964 min Scan# 800
Delta R.T. 0.006 min
Lab File: VX042347.D
Acq: 16 Jul 2024 17:05

Tgt Ion: 65 Resp: 66149
Ion Ratio Lower Upper
65 100
67 54.3 0.0 100.2

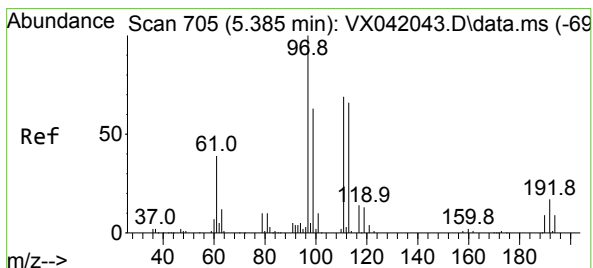
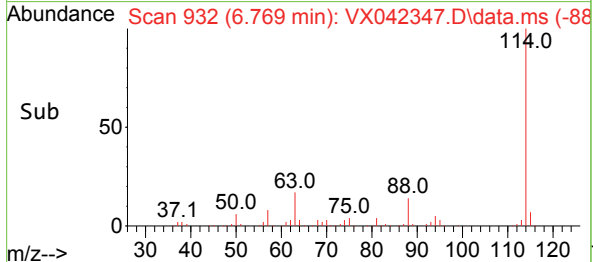
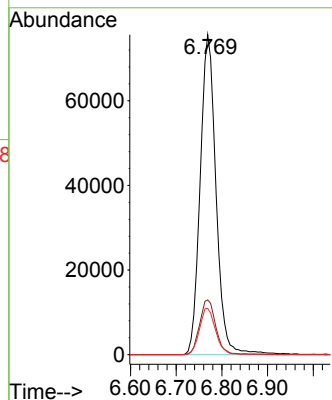
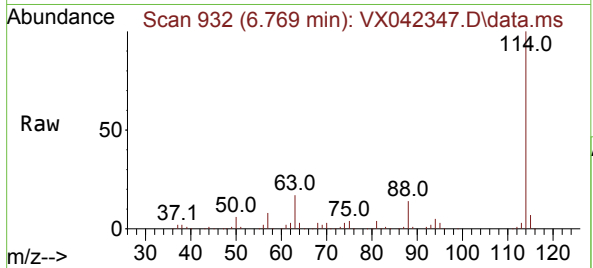




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.769 min Scan# 91
Delta R.T. 0.006 min
Lab File: VX042347.D
Acq: 16 Jul 2024 17:05

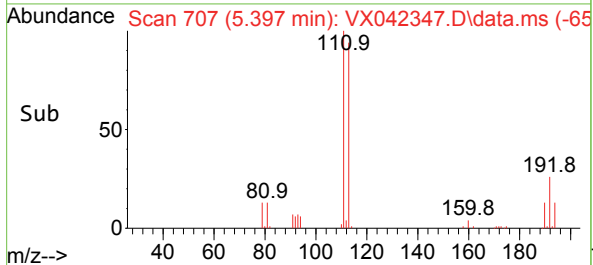
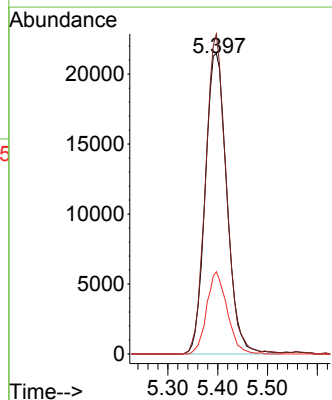
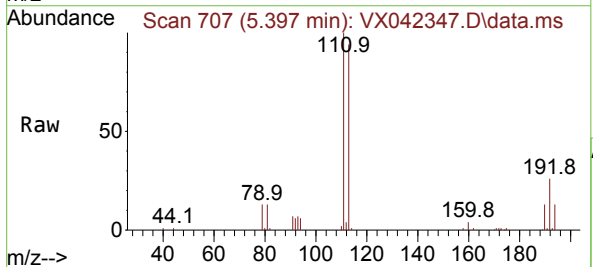
Instrument :
MSVOA_X
ClientSampleId :

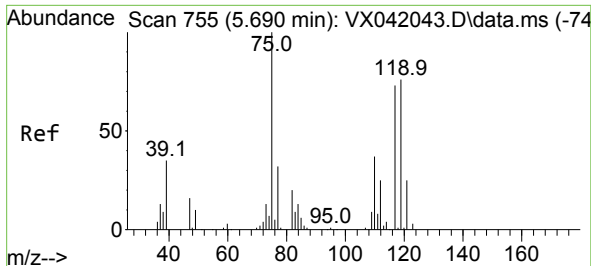
Tgt Ion:114 Resp: 181971
Ion Ratio Lower Upper
114 100
63 17.1 0.0 45.0
88 14.5 0.0 36.6



#35
Dibromofluoromethane
Concen: 50.233 ug/l
RT: 5.397 min Scan# 707
Delta R.T. 0.006 min
Lab File: VX042347.D
Acq: 16 Jul 2024 17:05

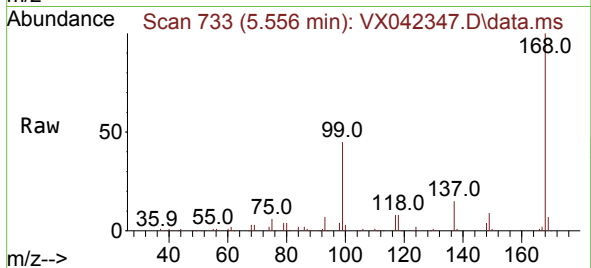
Tgt Ion:113 Resp: 64860
Ion Ratio Lower Upper
113 100
111 102.2 82.9 124.3
192 25.8 13.3 19.9#



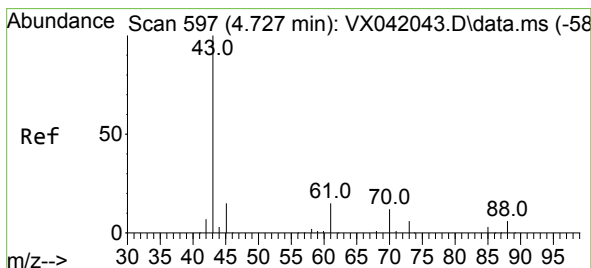
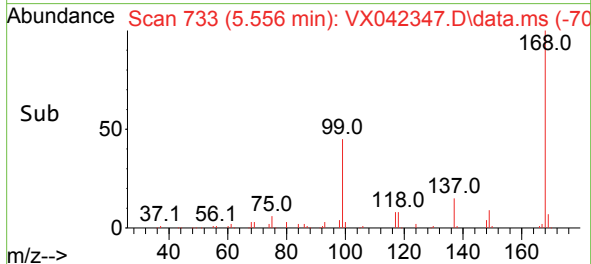
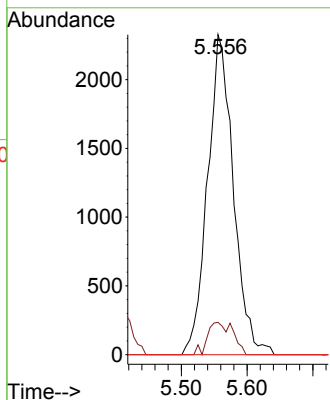


#36
1,1-Dichloropropene
Concen: 4.637 ug/l
RT: 5.556 min Scan# 71
Delta R.T. -0.134 min
Lab File: VX042347.D
Acq: 16 Jul 2024 17:05

Instrument :
MSVOA_X
ClientSampleId :

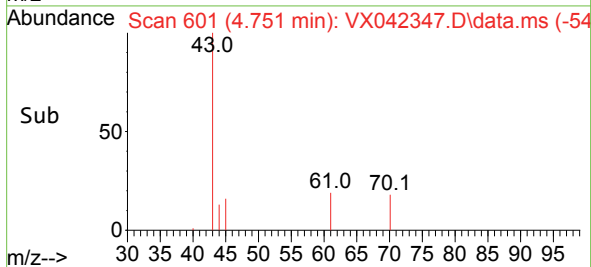
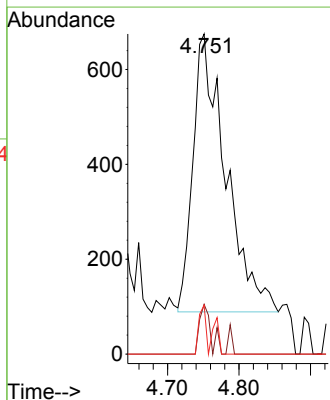
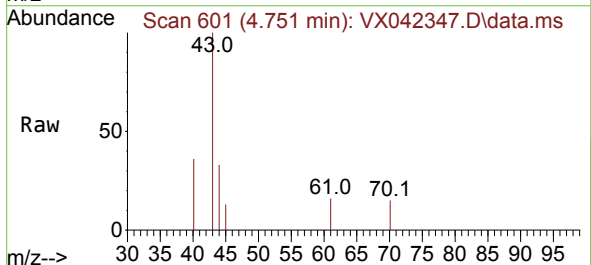


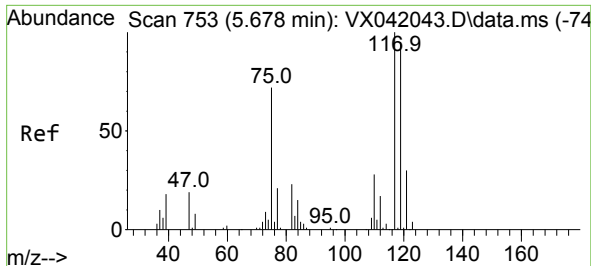
Tgt Ion: 75 Resp: 6358
Ion Ratio Lower Upper
75 100
110 10.0 17.0 50.9#
77 0.0 24.7 37.1#



#37
Ethyl Acetate
Concen: 1.040 ug/l
RT: 4.751 min Scan# 601
Delta R.T. 0.024 min
Lab File: VX042347.D
Acq: 16 Jul 2024 17:05

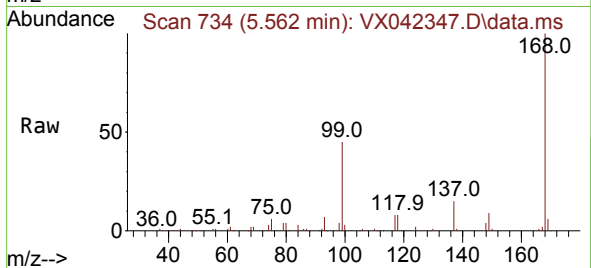
Tgt Ion: 43 Resp: 1857
Ion Ratio Lower Upper
43 100
61 6.2 10.6 16.0#
70 3.7 8.3 12.5#



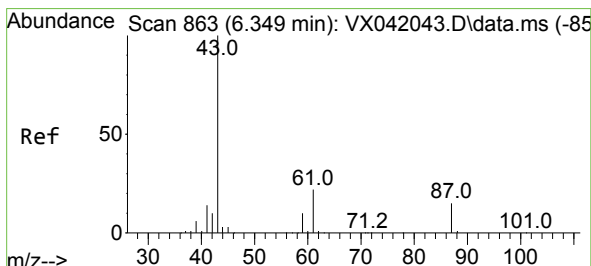
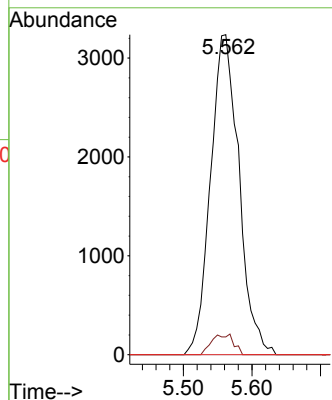
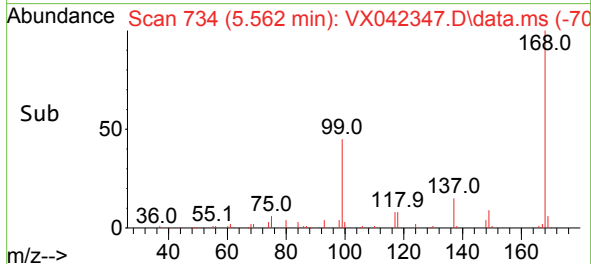


#38
Carbon Tetrachloride
Concen: 6.156 ug/l
RT: 5.562 min Scan# 71
Delta R.T. -0.116 min
Lab File: VX042347.D
Acq: 16 Jul 2024 17:05

Instrument :
MSVOA_X
ClientSampleId :

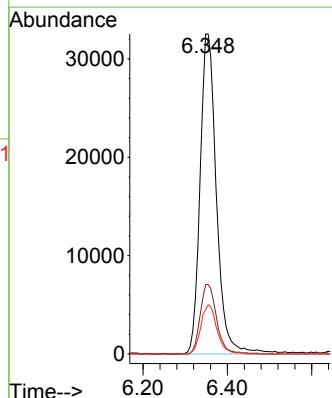
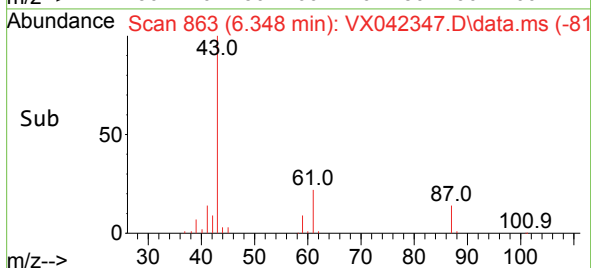
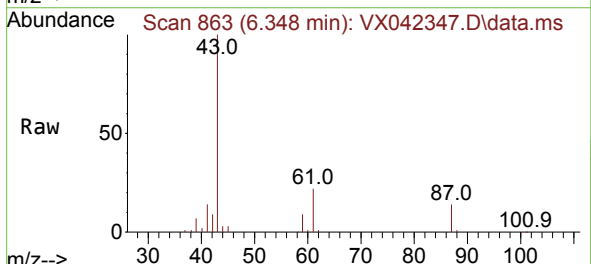


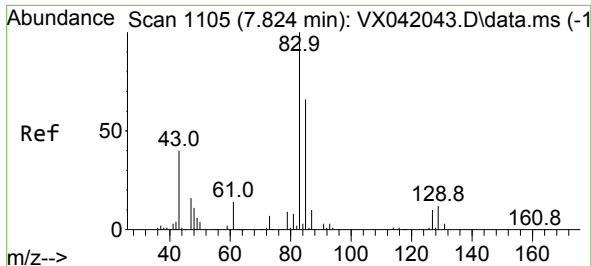
Tgt Ion:117 Resp: 9326
Ion Ratio Lower Upper
117 100
119 5.5 78.2 117.2#
121 0.0 24.4 36.6#



#43
Isopropyl Acetate
Concen: 32.079 ug/l
RT: 6.348 min Scan# 863
Delta R.T. 0.000 min
Lab File: VX042347.D
Acq: 16 Jul 2024 17:05

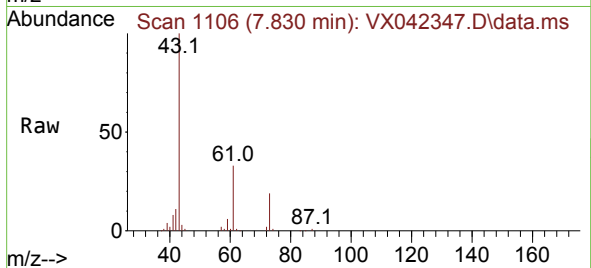
Tgt Ion: 43 Resp: 87945
Ion Ratio Lower Upper
43 100
61 21.7 15.2 22.8
87 15.1 9.8 14.6#



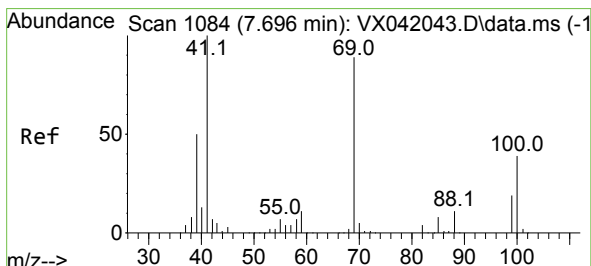
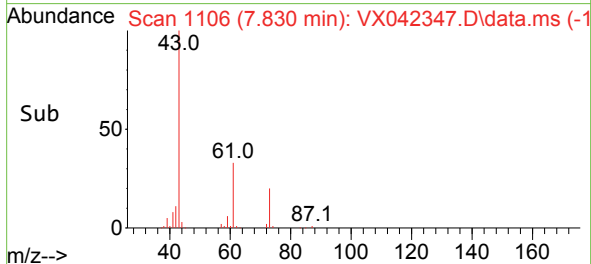
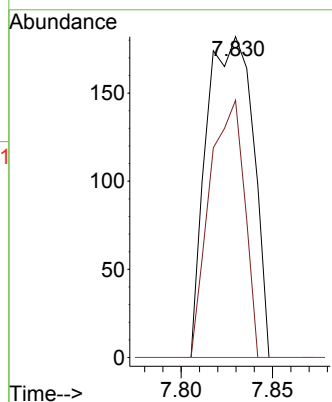


#47
Bromodichloromethane
Concen: 0.212 ug/l
RT: 7.830 min Scan# 1105
Delta R.T. 0.006 min
Lab File: VX042347.D
Acq: 16 Jul 2024 17:05

Instrument :
MSVOA_X
ClientSampleId :

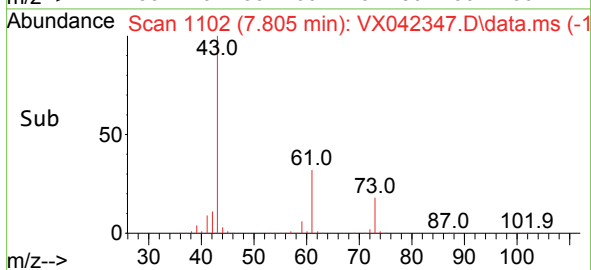
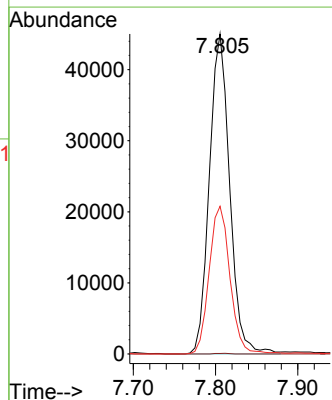
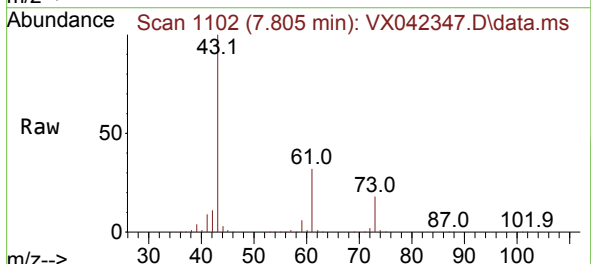


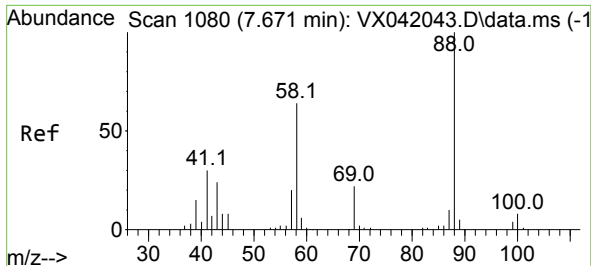
Tgt Ion: 83 Resp: 323
Ion Ratio Lower Upper
83 100
85 80.2 49.8 74.6#
127 0.0 7.1 10.7#



#48
Methyl methacrylate
Concen: 59.128 ug/l
RT: 7.805 min Scan# 1102
Delta R.T. 0.110 min
Lab File: VX042347.D
Acq: 16 Jul 2024 17:05

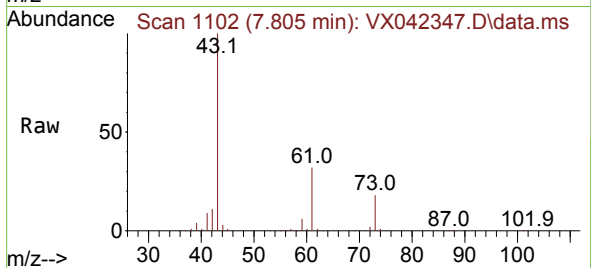
Tgt Ion: 41 Resp: 77362
Ion Ratio Lower Upper
41 100
69 0.1 59.2 88.8#
39 47.5 47.7 71.5#



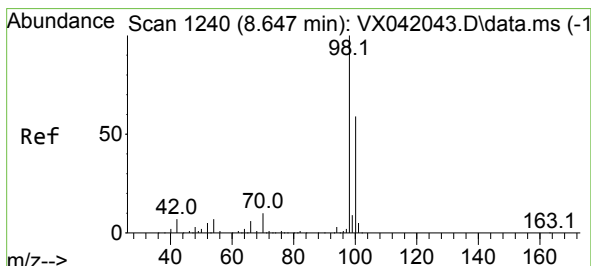
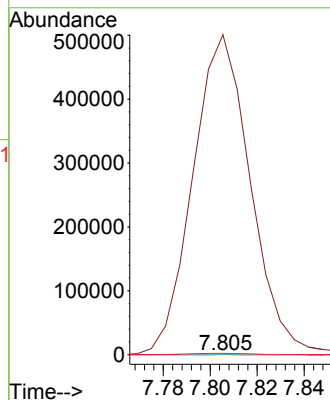
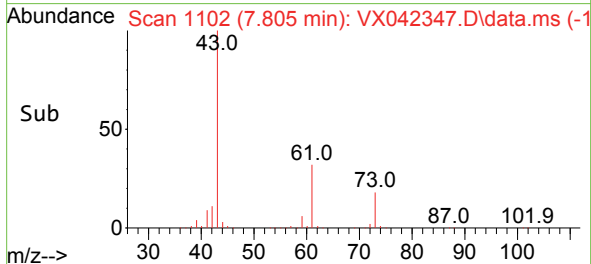


#49
1,4-Dioxane
Concen: 23.753 ug/l
RT: 7.805 min Scan# 1102
Delta R.T. 0.140 min
Lab File: VX042347.D
Acq: 16 Jul 2024 17:05

Instrument :
MSVOA_X
ClientSampleId :

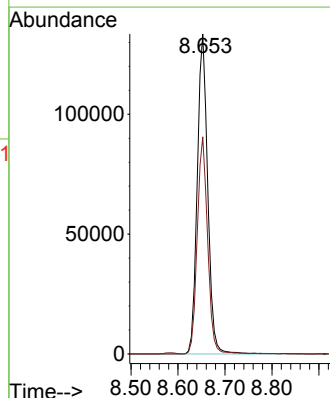
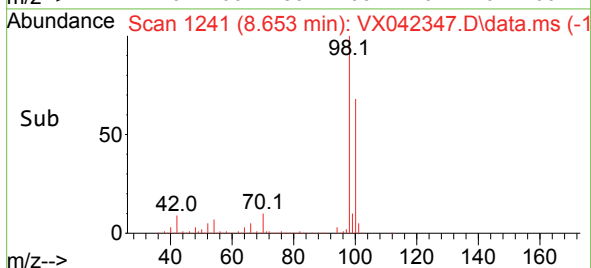
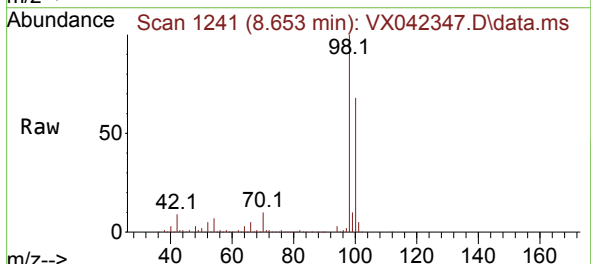


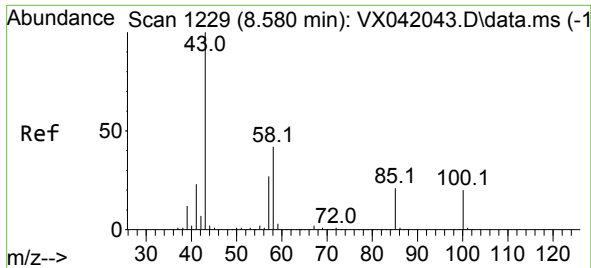
Tgt Ion: 88 Resp: 135
Ion Ratio Lower Upper
88 100
43 641609.6 0.0 0.0#
58 2971.1 60.1 90.1#



#50
Toluene-d8
Concen: 45.807 ug/l
RT: 8.653 min Scan# 1241
Delta R.T. 0.006 min
Lab File: VX042347.D
Acq: 16 Jul 2024 17:05

Tgt Ion: 98 Resp: 207778
Ion Ratio Lower Upper
98 100
100 67.4 53.1 79.7

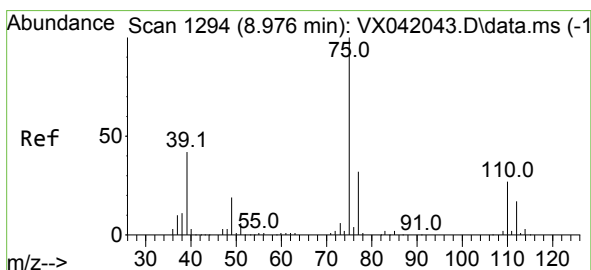
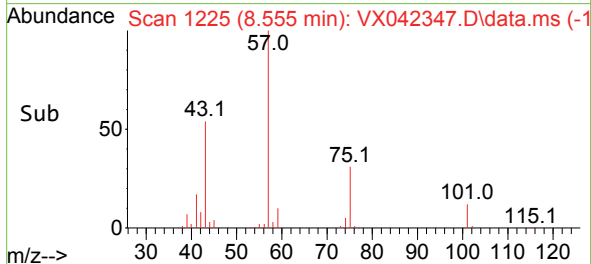
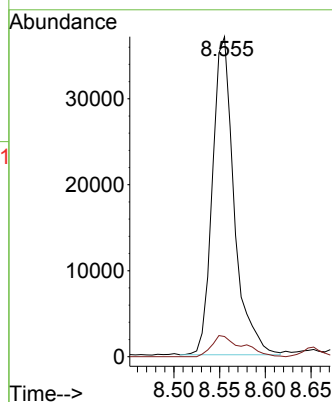
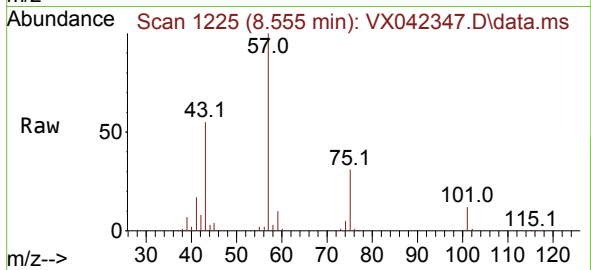




#51
4-Methyl-2-Pentanone
Concen: 32.250 ug/l
RT: 8.555 min Scan# 11
Delta R.T. -0.024 min
Lab File: VX042347.D
Acq: 16 Jul 2024 17:05

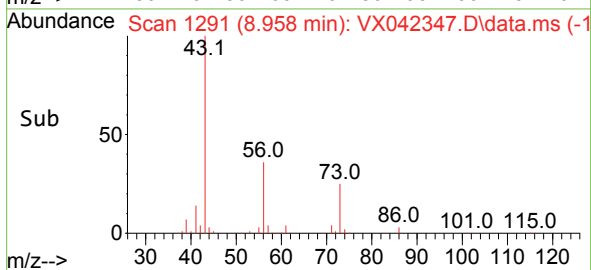
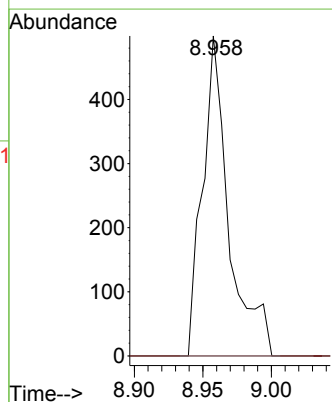
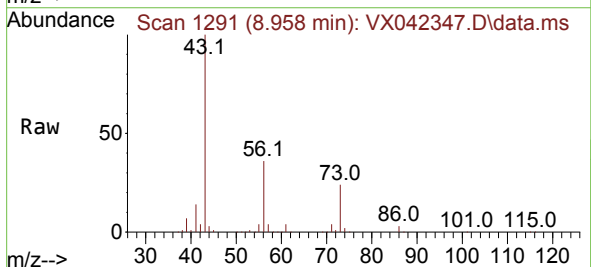
Instrument :
MSVOA_X
ClientSampleId :

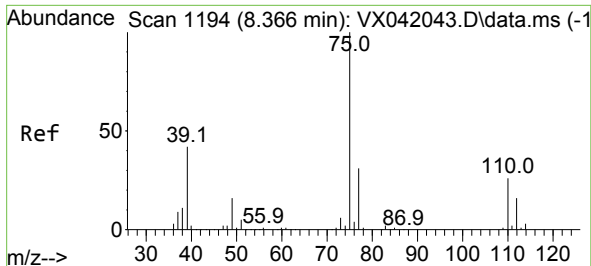
Tgt Ion: 43 Resp: 60904
Ion Ratio Lower Upper
43 100
58 9.4 30.4 45.6#



#53
t-1,3-Dichloropropene
Concen: 1.309 ug/l
RT: 8.958 min Scan# 1291
Delta R.T. -0.024 min
Lab File: VX042347.D
Acq: 16 Jul 2024 17:05

Tgt Ion: 75 Resp: 667
Ion Ratio Lower Upper
75 100
77 0.0 25.7 38.5#

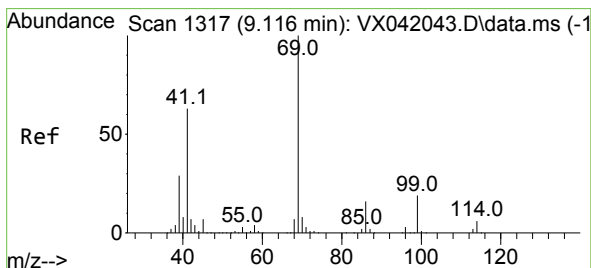
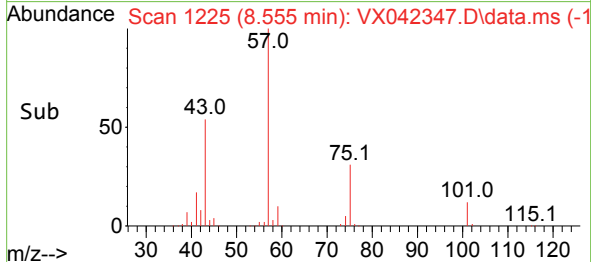
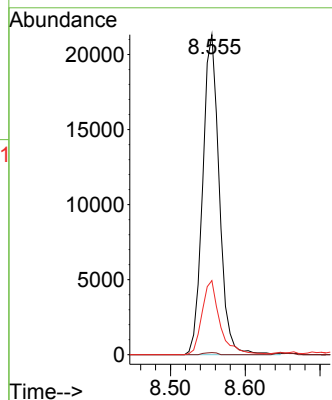
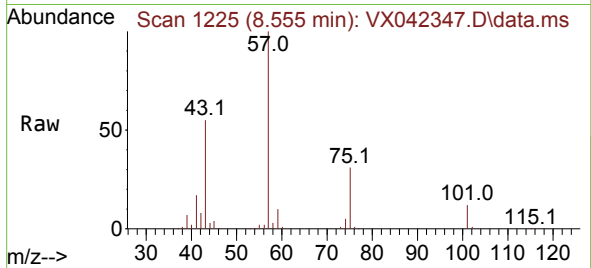




#54
 cis-1,3-Dichloropropene
 Concen: 19.695 ug/l
 RT: 8.555 min Scan# 1194
 Delta R.T. 0.189 min
 Lab File: VX042347.D
 Acq: 16 Jul 2024 17:05

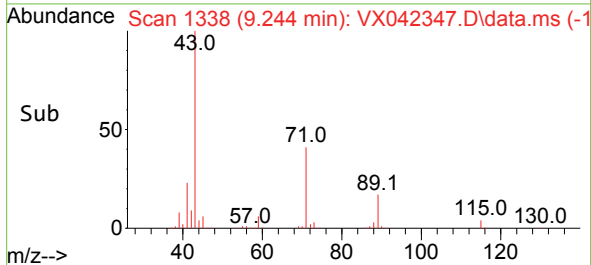
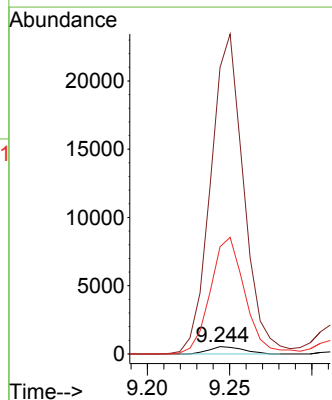
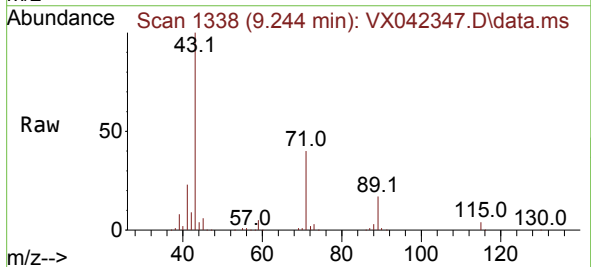
Instrument :
 MSVOA_X
 ClientSampleId :

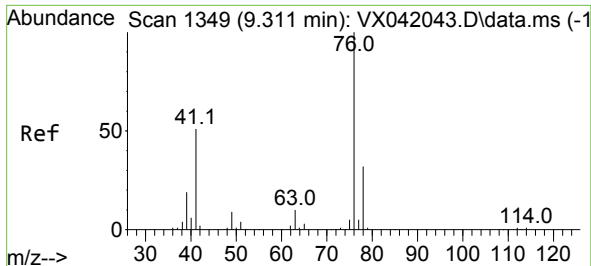
Tgt Ion: 75 Resp: 32798
 Ion Ratio Lower Upper
 75 100
 77 0.6 25.3 37.9#
 39 23.2 46.7 70.1#



#56
 Ethyl methacrylate
 Concen: 0.408 ug/l
 RT: 9.244 min Scan# 1338
 Delta R.T. 0.122 min
 Lab File: VX042347.D
 Acq: 16 Jul 2024 17:05

Tgt Ion: 69 Resp: 778
 Ion Ratio Lower Upper
 69 100
 41 4210.4 56.8 85.2#
 39 1611.2 32.0 48.0#





#57

1,3-Dichloropropane

Concen: 2.411 ug/l

RT: 9.482 min Scan# 1

Delta R.T. 0.171 min

Lab File: VX042347.D

Acq: 16 Jul 2024 17:05

Instrument :

MSVOA_X

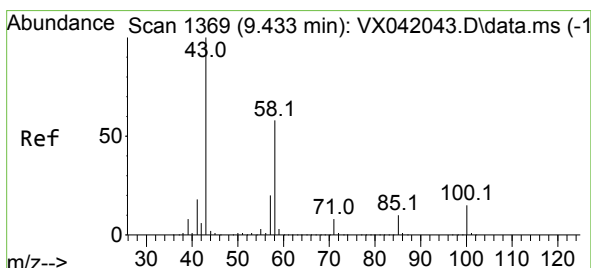
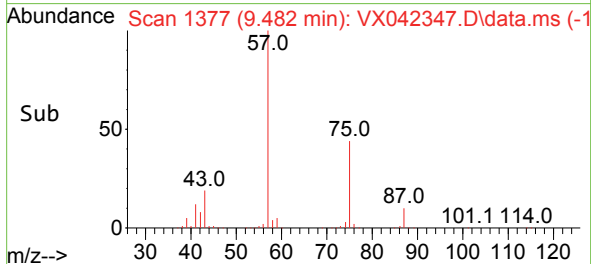
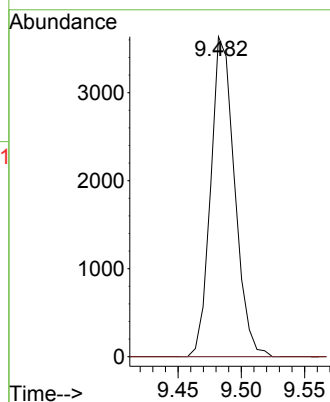
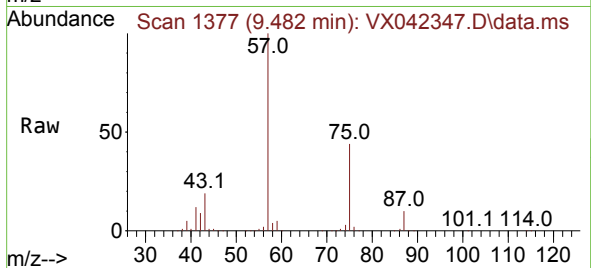
ClientSampleId :

Tgt Ion: 76 Resp: 4779

Ion Ratio Lower Upper

76 100

78 0.0 26.1 39.1#



#59

2-Hexanone

Concen: 37.721 ug/l

RT: 9.488 min Scan# 1378

Delta R.T. 0.055 min

Lab File: VX042347.D

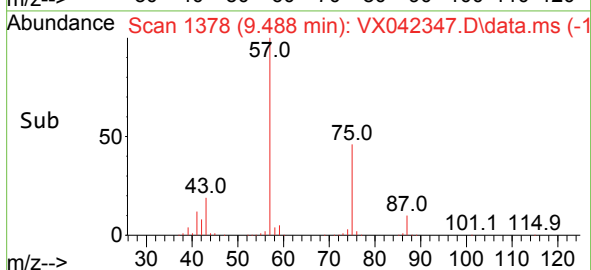
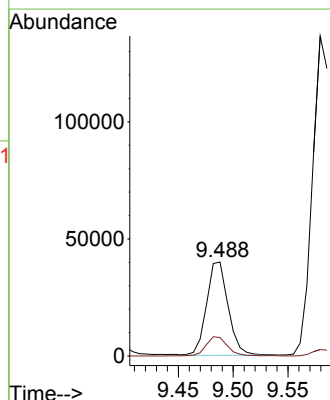
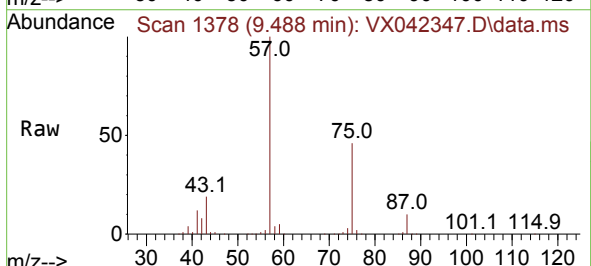
Acq: 16 Jul 2024 17:05

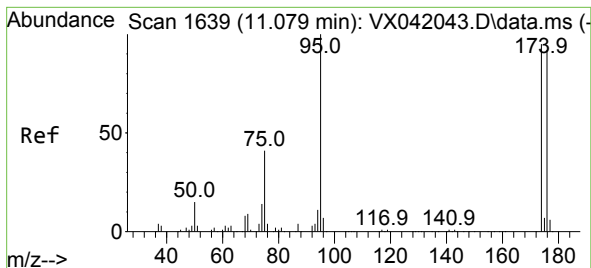
Tgt Ion: 43 Resp: 54560

Ion Ratio Lower Upper

43 100

58 20.8 26.2 78.5#





#62

4-Bromofluorobenzene

Concen: 46.185 ug/l

RT: 11.085 min Scan# 1

Delta R.T. 0.006 min

Lab File: VX042347.D

Acq: 16 Jul 2024 17:05

Instrument :

MSVOA_X

ClientSampleId :

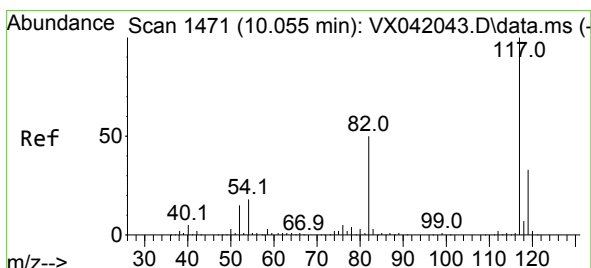
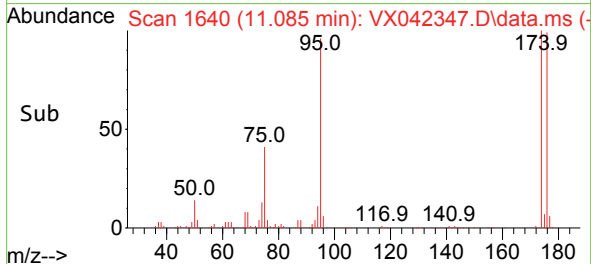
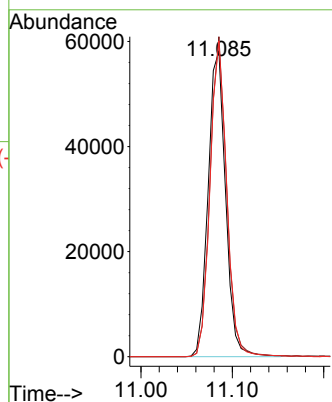
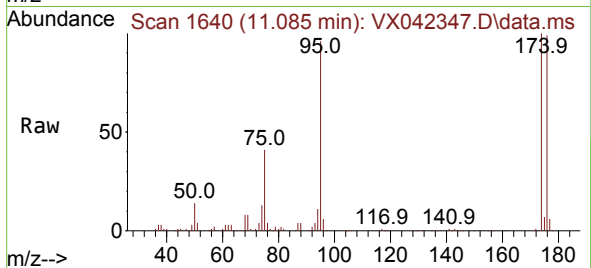
Tgt Ion: 95 Resp: 77224

Ion Ratio Lower Upper

95 100

174 99.4 0.0 135.6

176 98.6 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: VX042347.D

Acq: 16 Jul 2024 17:05

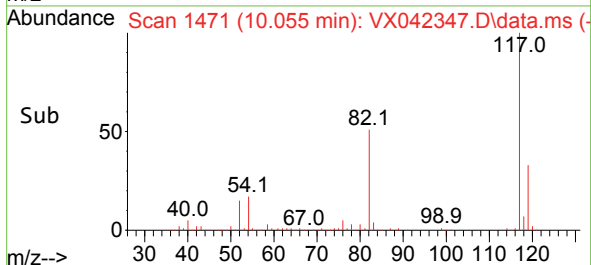
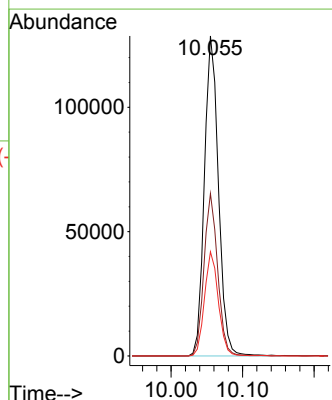
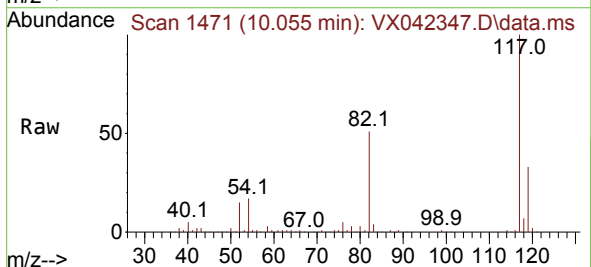
Tgt Ion: 117 Resp: 176051

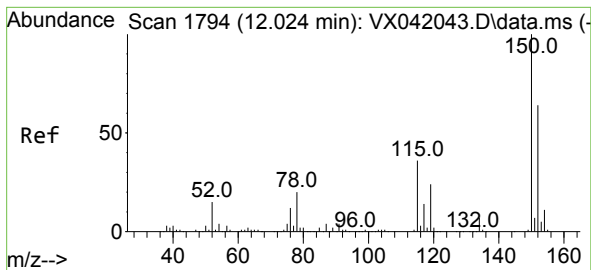
Ion Ratio Lower Upper

117 100

82 50.8 46.2 69.4

119 32.6 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

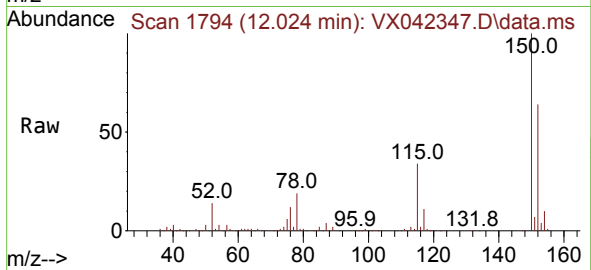
Lab File: VX042347.D

Acq: 16 Jul 2024 17:05

Instrument :

MSVOA_X

ClientSampleId :



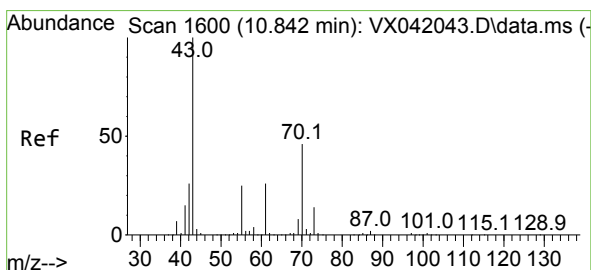
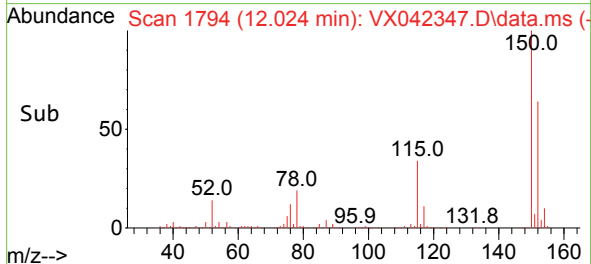
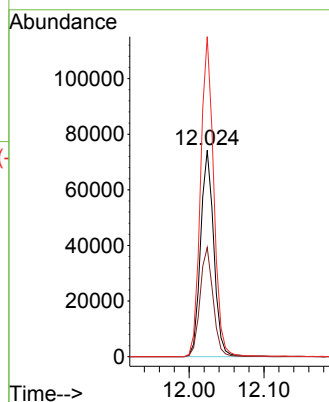
Tgt Ion:152 Resp: 91147

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: 6.944 ug/l

RT: 10.640 min Scan# 1567

Delta R.T. -0.201 min

Lab File: VX042347.D

Acq: 16 Jul 2024 17:05

Tgt Ion: 43 Resp: 17094

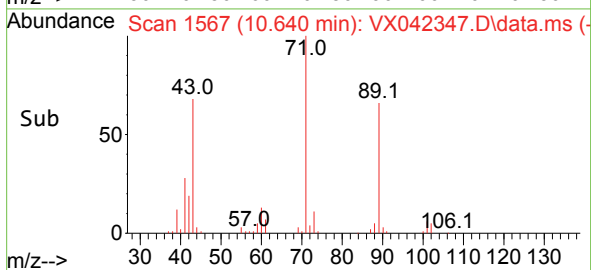
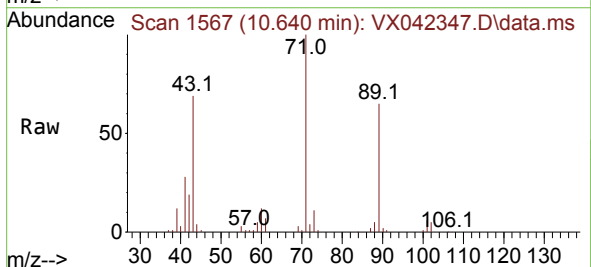
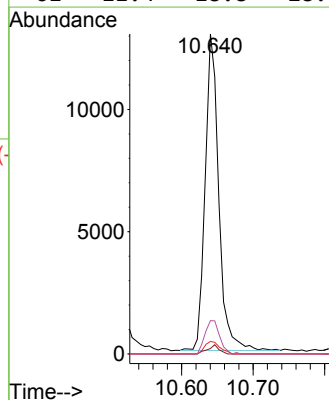
Ion Ratio Lower Upper

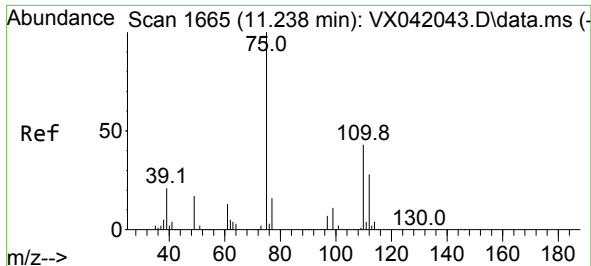
43 100

70 2.4 32.9 49.3#

55 4.4 19.3 28.9#

61 11.4 18.8 28.2#

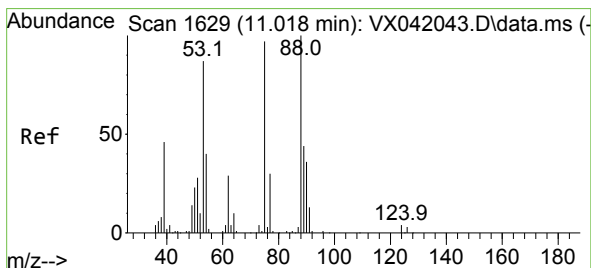
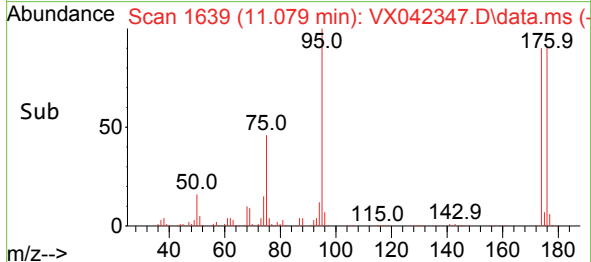
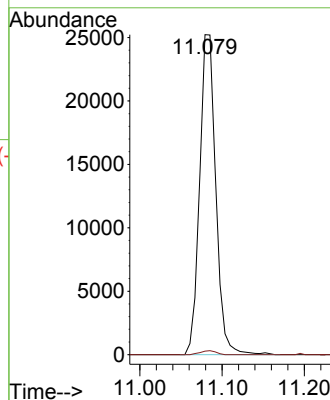
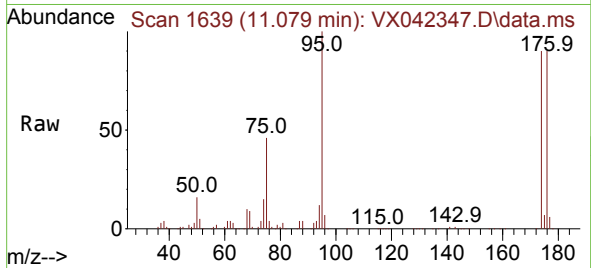




#76
1,2,3-Trichloropropane
Concen: 20.913 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.159 min
Lab File: VX042347.D
Acq: 16 Jul 2024 17:05

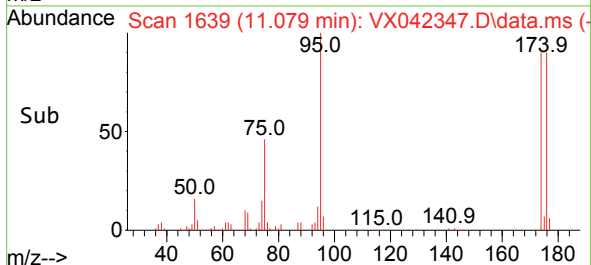
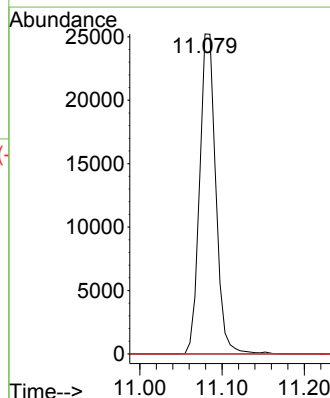
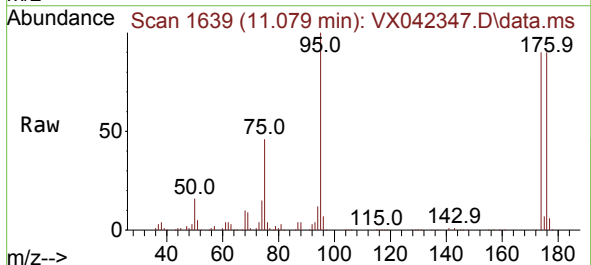
Instrument :
MSVOA_X
ClientSampleId :

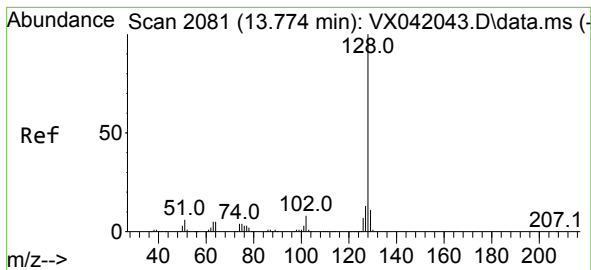
Tgt Ion: 75 Resp: 34604
Ion Ratio Lower Upper
75 100
77 1.2 19.1 57.5#



#81
trans-1,4-Dichloro-2-butene
Concen: 59.390 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.061 min
Lab File: VX042347.D
Acq: 16 Jul 2024 17:05

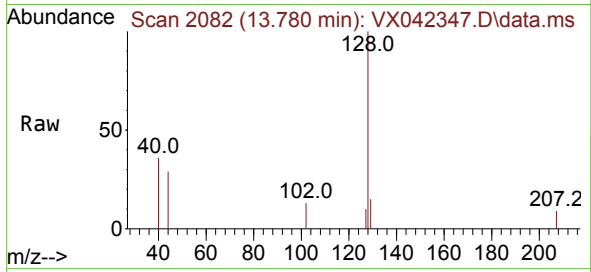
Tgt Ion: 75 Resp: 34604
Ion Ratio Lower Upper
75 100
53 0.0 90.5 135.7#
89 0.0 36.9 55.3#





#95
Naphthalene
Concen: 0.944 ug/l
RT: 13.780 min Scan# 2082
Delta R.T. 0.006 min
Lab File: VX042347.D
Acq: 16 Jul 2024 17:05

Instrument :
MSVOA_X
ClientSampleId :



Tgt Ion:	128	Resp:	1301
Ion	Ratio	Lower	Upper
128	100		
127	6.8	10.3	15.5#
129	9.1	8.8	13.2

