

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX071024\
 Data File : VX042263.D
 Acq On : 10 Jul 2024 13:36
 Operator : JC/MD
 Sample : PB161974ZHE#04
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Jul 11 00:55:58 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)

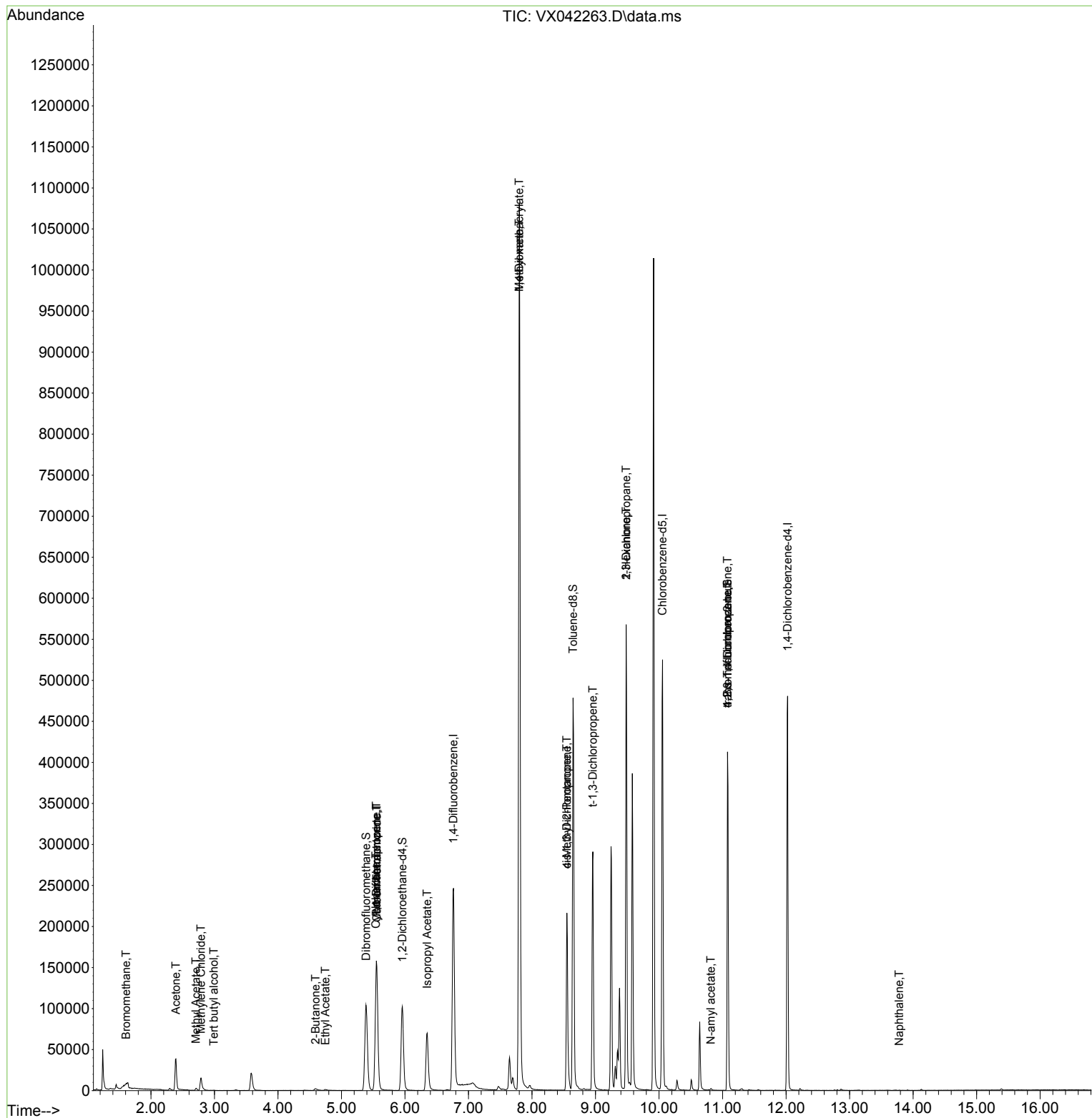
Internal Standards						
1) Pentafluorobenzene	5.550	168	173807	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	6.763	114	277870	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	258353	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	115653	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	98934	49.363	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery =	98.720%		
35) Dibromofluoromethane	5.385	113	92747	47.041	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	94.080%		
50) Toluene-d8	8.647	98	294350	42.496	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery =	85.000%#		
62) 4-Bromofluorobenzene	11.079	95	107484	42.097	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	84.200%		
Target Compounds						
						Qvalue
5) Bromomethane	1.605	94	224	0.272	ug/l	# 3
6) Chloroethane	1.660	64	118	Below Cal		# 80
11) Tert butyl alcohol	2.989	59	545	1.433	ug/l	# 78
16) Acetone	2.392	43	44083	50.091	ug/l	92
18) Methyl Acetate	2.709	43	3727	1.552	ug/l	93
20) Methylene Chloride	2.788	84	9182	4.765	ug/l	89
25) 2-Butanone	4.593	43	5005	3.656	ug/l	# 76
31) Cyclohexane	5.544	56	2324	0.992	ug/l	# 1
36) 1,1-Dichloropropene	5.550	75	9961	4.758	ug/l	# 51
37) Ethyl Acetate	4.745	43	1886	0.692	ug/l	# 92
38) Carbon Tetrachloride	5.556	117	14326	6.193	ug/l	# 15
43) Isopropyl Acetate	6.348	43	98560	23.543	ug/l	# 94
48) Methyl methacrylate	7.799	41	88150	44.121	ug/l	# 45
49) 1,4-Dioxane	7.799	88	175	23.176	ug/l	# 1
51) 4-Methyl-2-Pentanone	8.549	43	72996	25.313	ug/l	# 49
53) t-1,3-Dichloropropene	8.958	75	627	1.149	ug/l	# 43
54) cis-1,3-Dichloropropene	8.549	75	38228	15.033	ug/l	# 51
57) 1,3-Dichloropropane	9.482	76	5247	1.734	ug/l	# 42
59) 2-Hexanone	9.482	43	62892	28.475	ug/l	# 56
74) N-amyl acetate	10.817	43	885	0.283	ug/l	# 48
76) 1,2,3-Trichloropropane	11.079	75	49521	23.586	ug/l	# 39
81) trans-1,4-Dichloro-2-b...	11.079	75	49521	66.983	ug/l	# 5
95) Naphthalene	13.780	128	358	0.790	ug/l	# 69

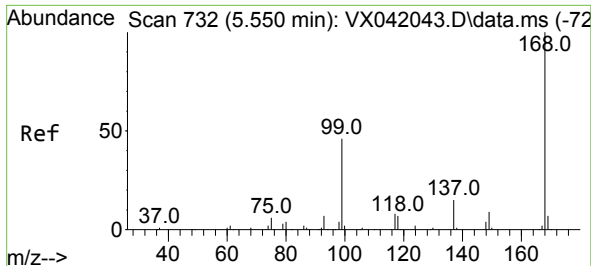
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX071024\
Data File : VX042263.D
Acq On : 10 Jul 2024 13:36
Operator : JC/MD
Sample : PB161974ZHE#04
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :

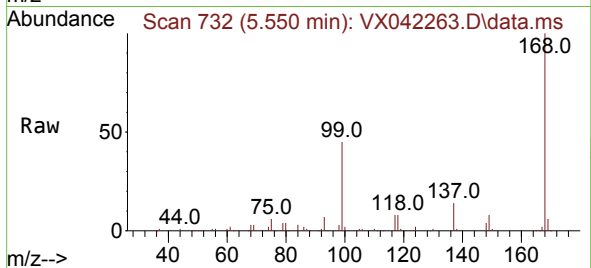
Quant Time: Jul 11 00:55:58 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X061824W.M
Quant Title : SW846 8260
QLast Update : Fri Jun 21 23:51:58 2024
Response via : Initial Calibration



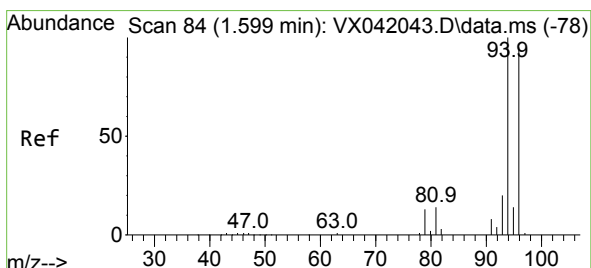
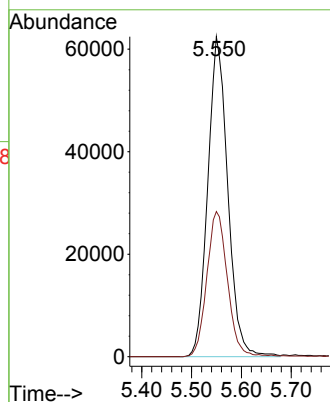
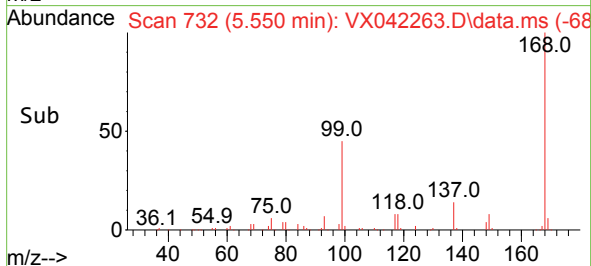


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.550 min Scan# 71
Delta R.T. -0.000 min
Lab File: VX042263.D
Acq: 10 Jul 2024 13:36

Instrument :
MSVOA_X
ClientSampleId :

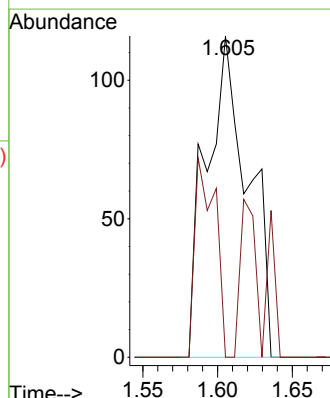
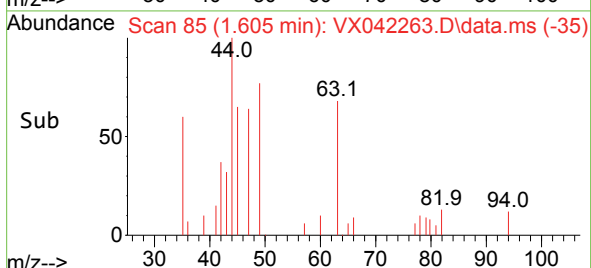
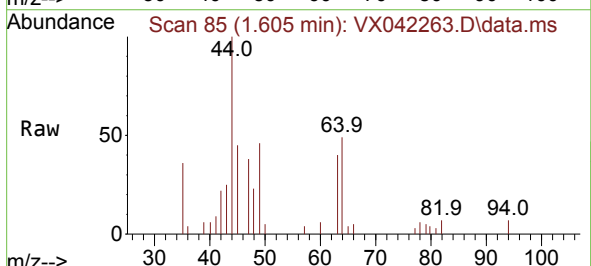


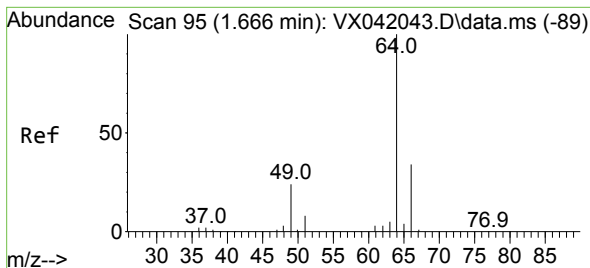
Tgt Ion:168 Resp: 173807
Ion Ratio Lower Upper
168 100
99 45.4 56.6 85.0#



#5
Bromomethane
Concen: 0.272 ug/l
RT: 1.605 min Scan# 85
Delta R.T. 0.006 min
Lab File: VX042263.D
Acq: 10 Jul 2024 13:36

Tgt Ion: 94 Resp: 224
Ion Ratio Lower Upper
94 100
96 0.0 74.6 111.8#





#6

Chloroethane

Concen: Below Cal

RT: 1.660 min Scan# 94

Delta R.T. 0.000 min

Lab File: VX042263.D

Acq: 10 Jul 2024 13:36

Instrument :

MSVOA_X

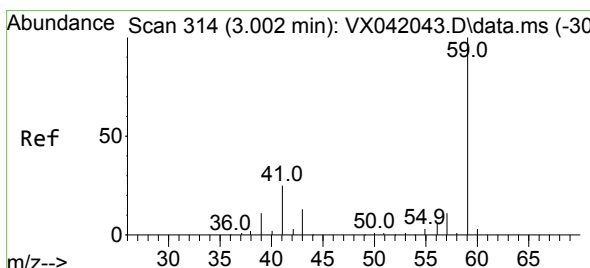
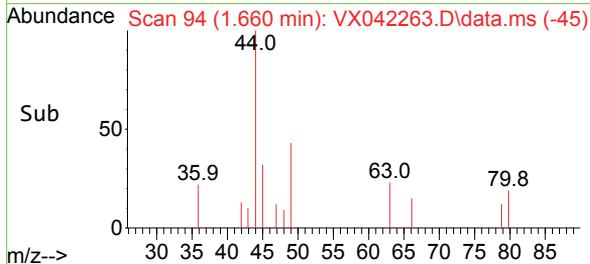
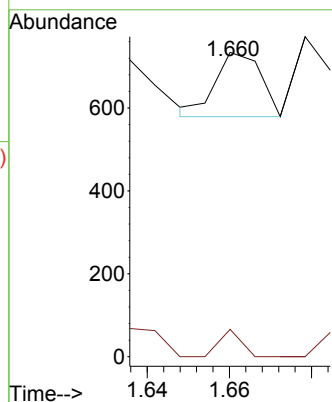
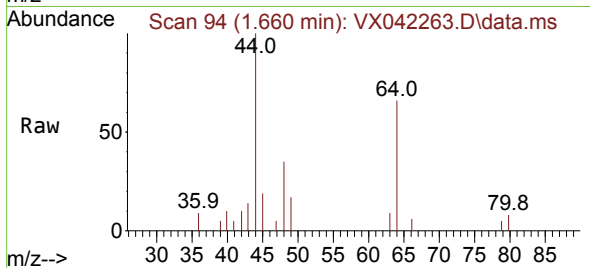
ClientSampleId :

Tgt Ion: 64 Resp: 118

Ion Ratio Lower Upper

64 100

66 42.6 25.1 37.7#



#11

Tert butyl alcohol

Concen: 1.433 ug/l

RT: 2.989 min Scan# 312

Delta R.T. -0.018 min

Lab File: VX042263.D

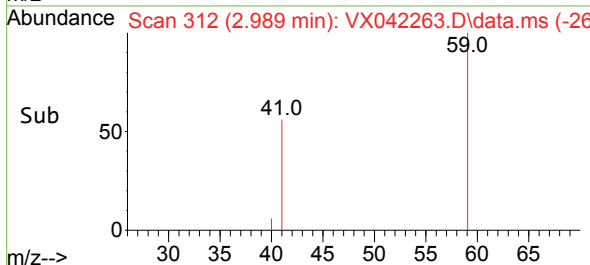
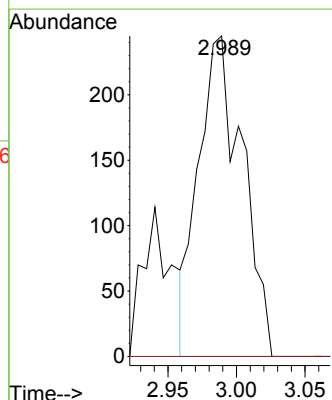
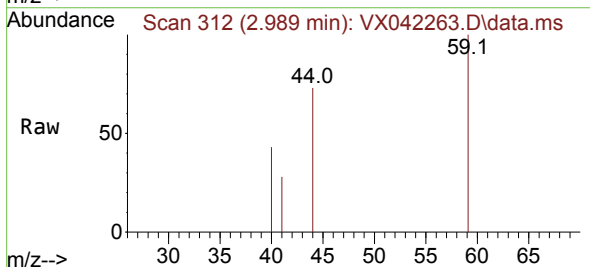
Acq: 10 Jul 2024 13:36

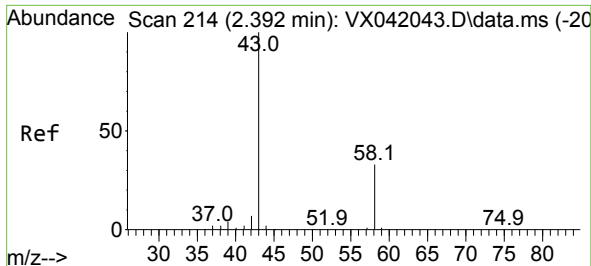
Tgt Ion: 59 Resp: 545

Ion Ratio Lower Upper

59 100

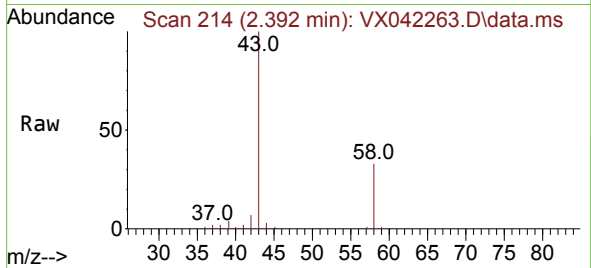
57 0.0 6.0 9.0#



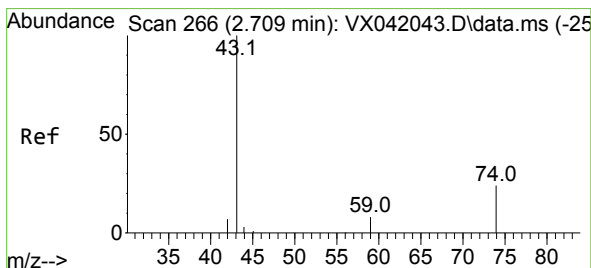
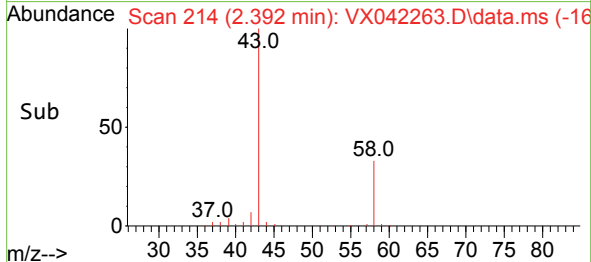
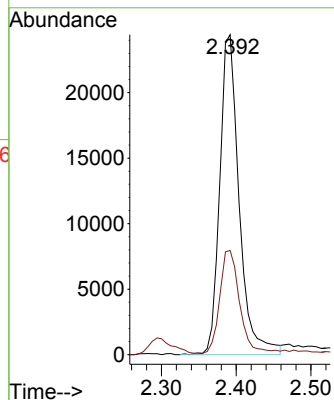


#16
Acetone
Concen: 50.091 ug/l
RT: 2.392 min Scan# 214
Delta R.T. -0.006 min
Lab File: VX042263.D
Acq: 10 Jul 2024 13:36

Instrument :
MSVOA_X
ClientSampleId :

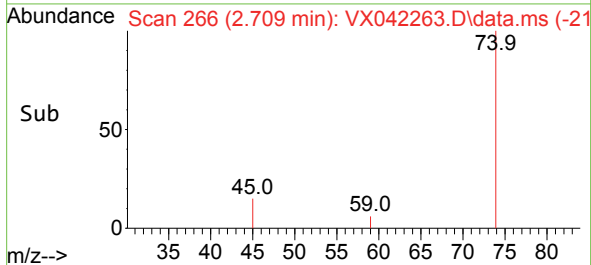
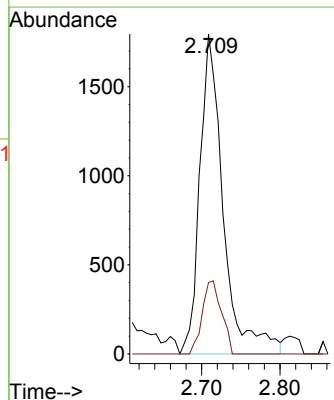
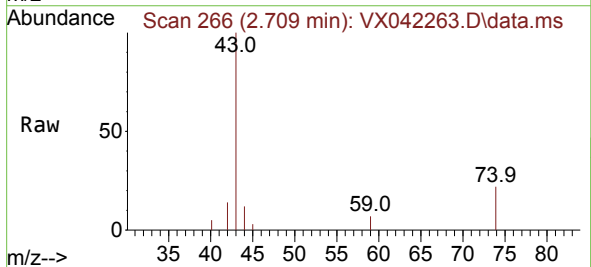


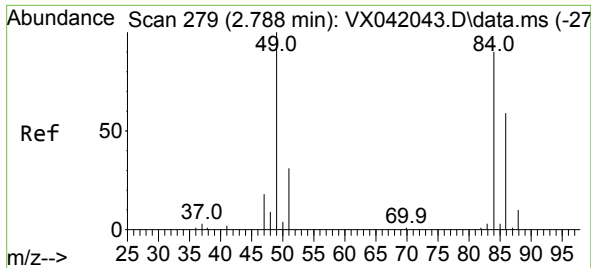
Tgt Ion: 43 Resp: 44083
Ion Ratio Lower Upper
43 100
58 31.5 21.9 32.9



#18
Methyl Acetate
Concen: 1.552 ug/l
RT: 2.709 min Scan# 266
Delta R.T. 0.000 min
Lab File: VX042263.D
Acq: 10 Jul 2024 13:36

Tgt Ion: 43 Resp: 3727
Ion Ratio Lower Upper
43 100
74 18.8 17.8 26.8





#20

Methylene Chloride

Concen: 4.765 ug/l

RT: 2.788 min Scan# 21

Delta R.T. 0.006 min

Lab File: VX042263.D

Acq: 10 Jul 2024 13:36

Instrument :

MSVOA_X

ClientSampleId :

Tgt Ion: 84 Resp: 9182

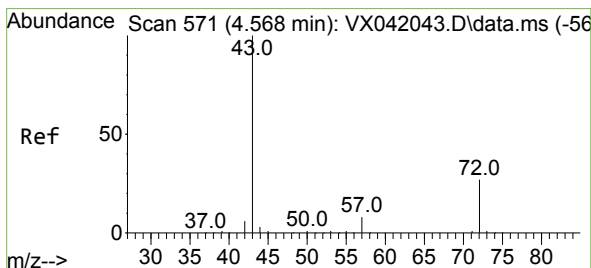
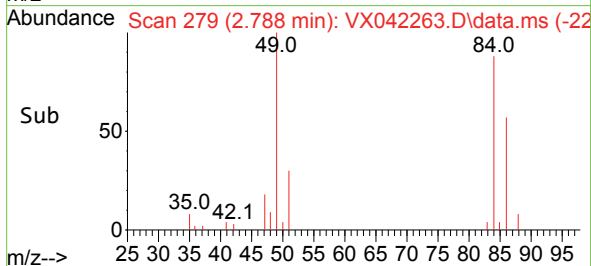
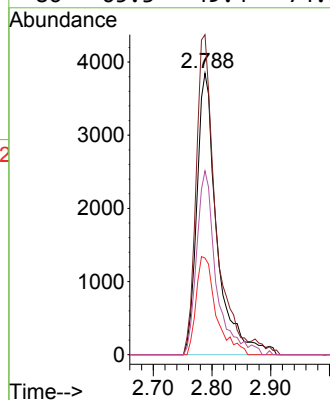
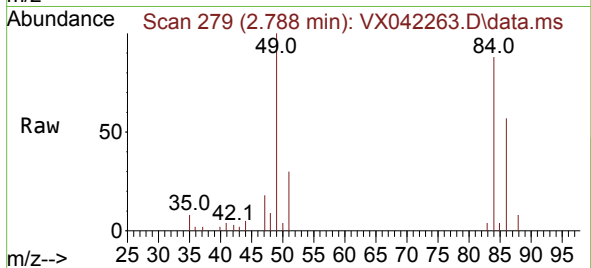
Ion Ratio Lower Upper

84 100

49 113.7 103.6 155.4

51 34.4 33.8 50.6

86 65.3 49.4 74.0



#25

2-Butanone

Concen: 3.656 ug/l

RT: 4.593 min Scan# 575

Delta R.T. 0.018 min

Lab File: VX042263.D

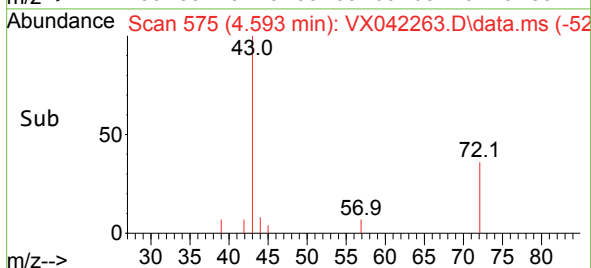
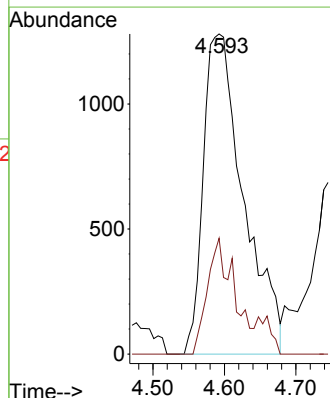
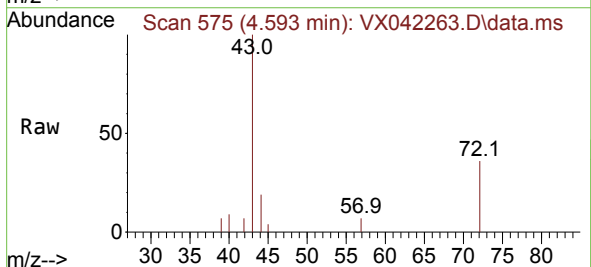
Acq: 10 Jul 2024 13:36

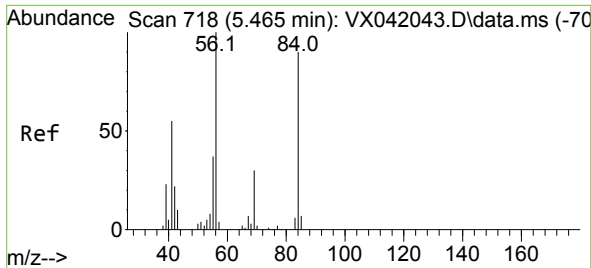
Tgt Ion: 43 Resp: 5005

Ion Ratio Lower Upper

43 100

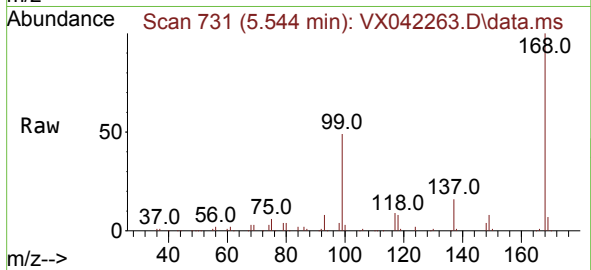
72 36.2 19.4 29.2#



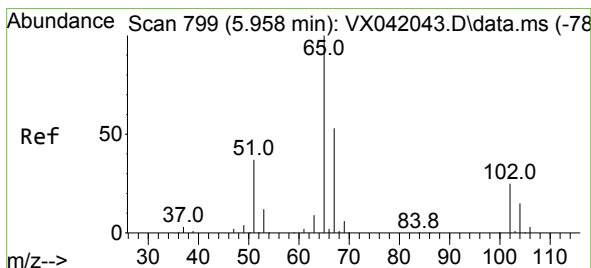
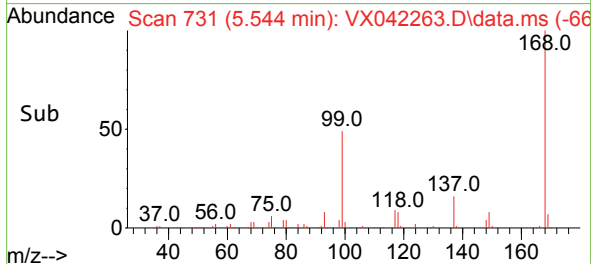
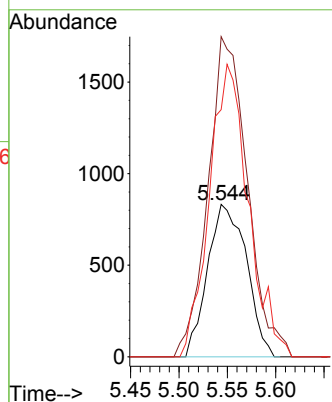


#31
Cyclohexane
Concen: 0.992 ug/l
RT: 5.544 min Scan# 718
Delta R.T. 0.079 min
Lab File: VX042263.D
Acq: 10 Jul 2024 13:36

Instrument :
MSVOA_X
ClientSampleId :

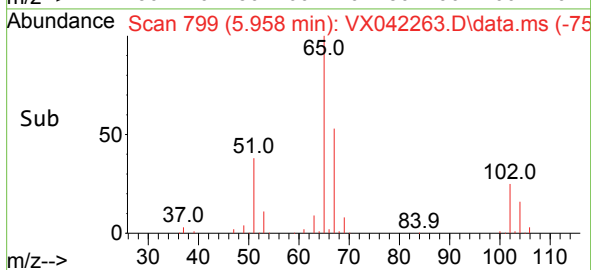
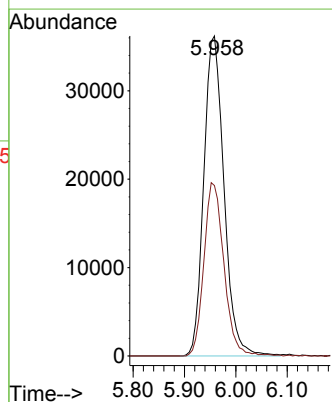
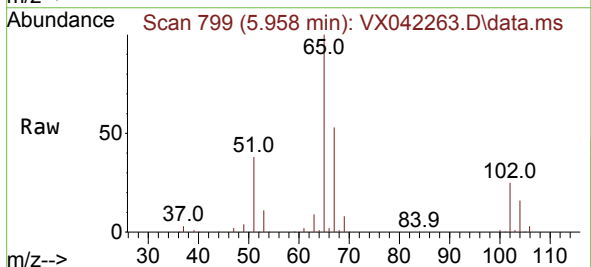


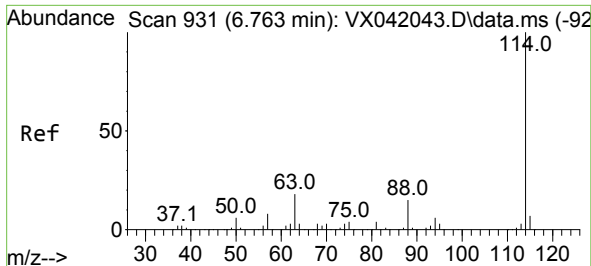
Tgt Ion: 56 Resp: 2324
Ion Ratio Lower Upper
56 100
69 201.1 23.4 35.2#
84 162.3 65.9 98.9#



#33
1,2-Dichloroethane-d4
Concen: 49.363 ug/l
RT: 5.958 min Scan# 799
Delta R.T. 0.000 min
Lab File: VX042263.D
Acq: 10 Jul 2024 13:36

Tgt Ion: 65 Resp: 98934
Ion Ratio Lower Upper
65 100
67 53.7 0.0 100.2

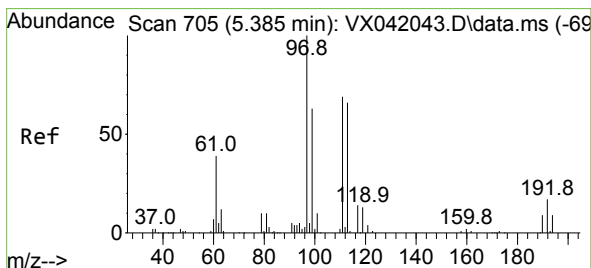
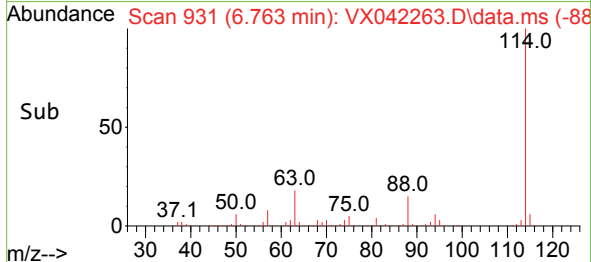
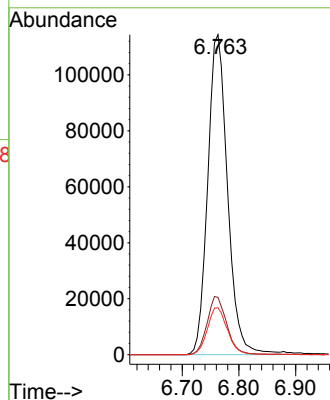
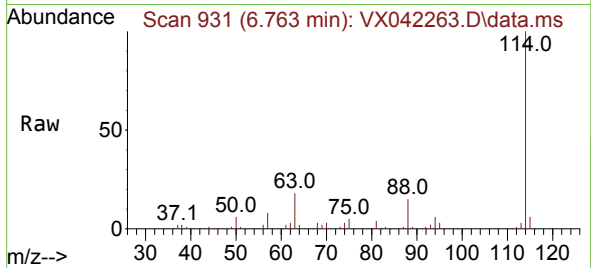




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.763 min Scan# 91
Delta R.T. 0.000 min
Lab File: VX042263.D
Acq: 10 Jul 2024 13:36

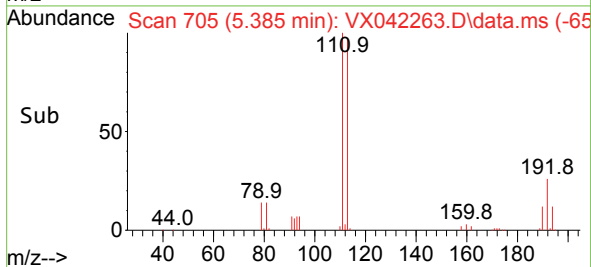
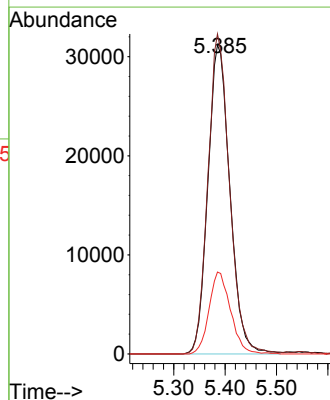
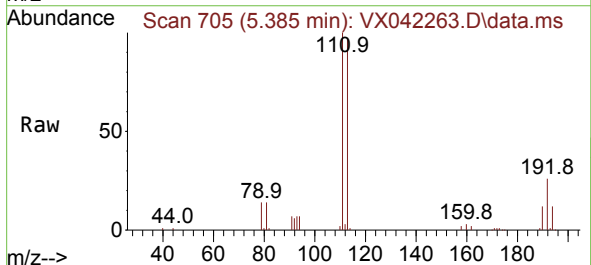
Instrument :
MSVOA_X
ClientSampleId :

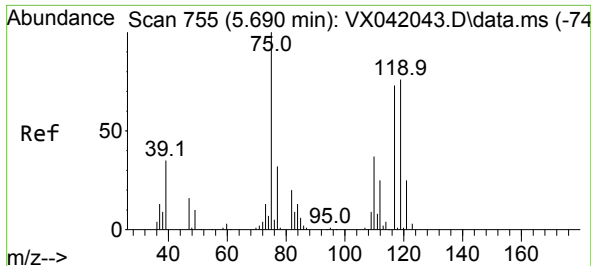
Tgt Ion:114 Resp: 277870
Ion Ratio Lower Upper
114 100
63 17.9 0.0 45.0
88 14.6 0.0 36.6



#35
Dibromofluoromethane
Concen: 47.041 ug/l
RT: 5.385 min Scan# 705
Delta R.T. -0.006 min
Lab File: VX042263.D
Acq: 10 Jul 2024 13:36

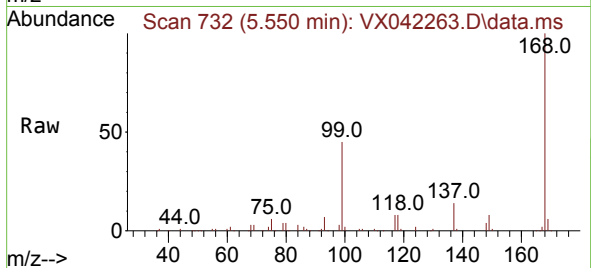
Tgt Ion:113 Resp: 92747
Ion Ratio Lower Upper
113 100
111 101.9 82.9 124.3
192 26.0 13.3 19.9#



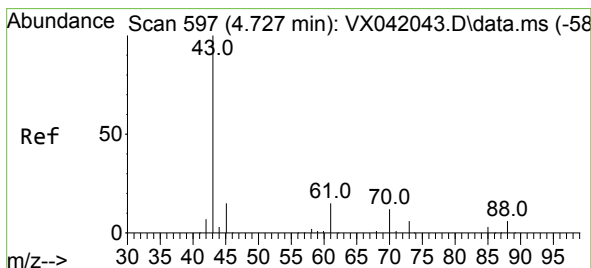
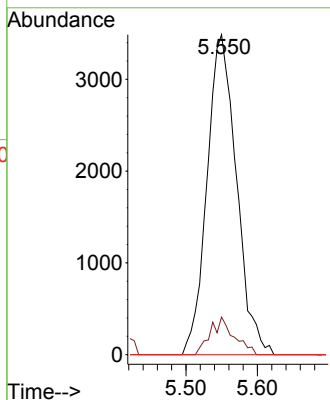
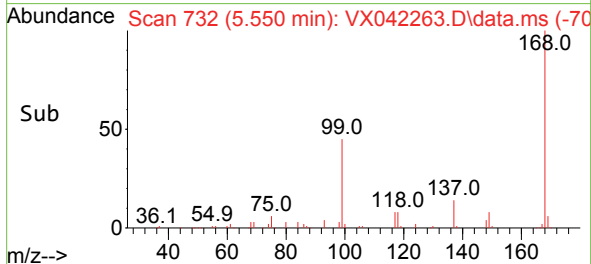


#36
1,1-Dichloropropene
Concen: 4.758 ug/l
RT: 5.550 min Scan# 71
Delta R.T. -0.140 min
Lab File: VX042263.D
Acq: 10 Jul 2024 13:36

Instrument :
MSVOA_X
ClientSampleId :

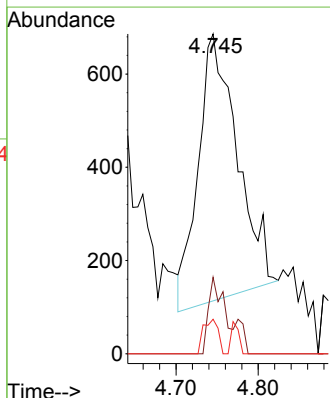
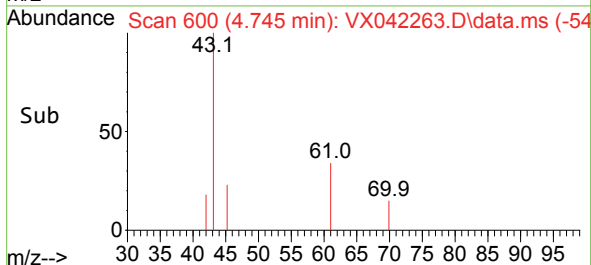
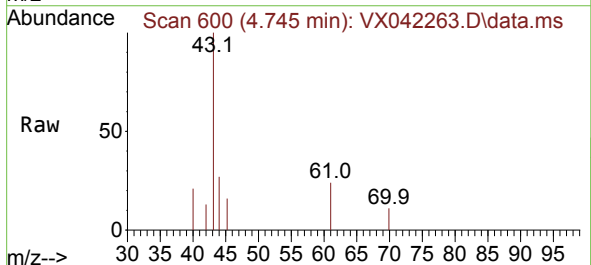


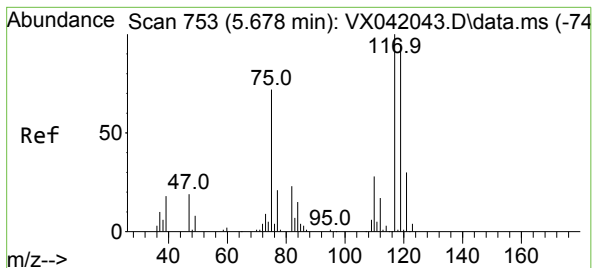
Tgt Ion: 75 Resp: 9961
Ion Ratio Lower Upper
75 100
110 9.4 17.0 50.9#
77 0.0 24.7 37.1#



#37
Ethyl Acetate
Concen: 0.692 ug/l
RT: 4.745 min Scan# 600
Delta R.T. 0.018 min
Lab File: VX042263.D
Acq: 10 Jul 2024 13:36

Tgt Ion: 43 Resp: 1886
Ion Ratio Lower Upper
43 100
61 14.5 10.6 16.0
70 4.9 8.3 12.5#





#38

Carbon Tetrachloride

Concen: 6.193 ug/l

RT: 5.556 min Scan# 71

Delta R.T. -0.122 min

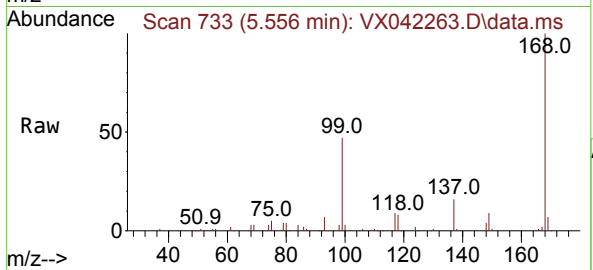
Lab File: VX042263.D

Acq: 10 Jul 2024 13:36

Instrument :

MSVOA_X

ClientSampleId :



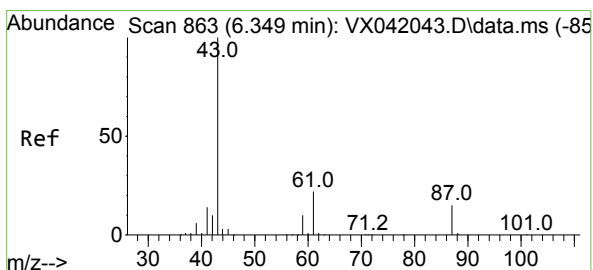
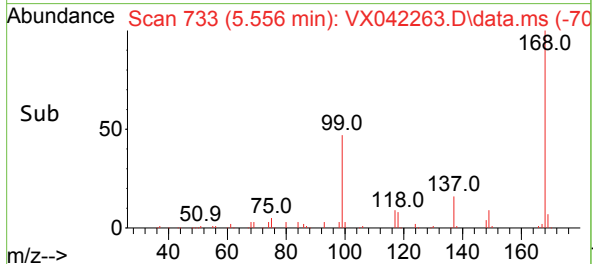
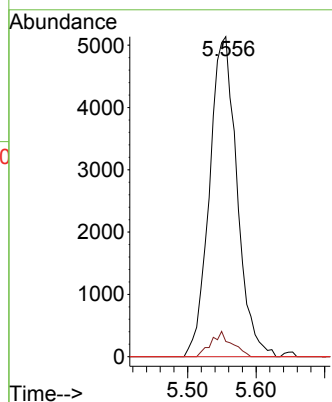
Tgt Ion:117 Resp: 14326

Ion Ratio Lower Upper

117 100

119 4.8 78.2 117.2#

121 0.0 24.4 36.6#



#43

Isopropyl Acetate

Concen: 23.543 ug/l

RT: 6.348 min Scan# 863

Delta R.T. 0.000 min

Lab File: VX042263.D

Acq: 10 Jul 2024 13:36

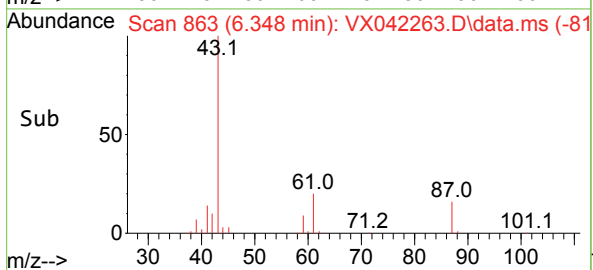
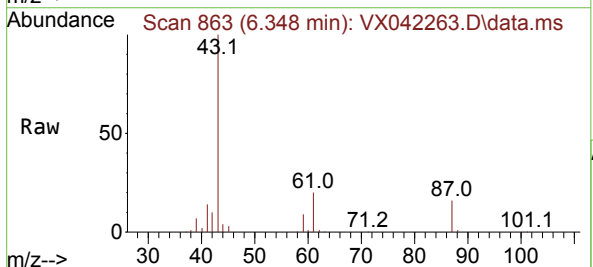
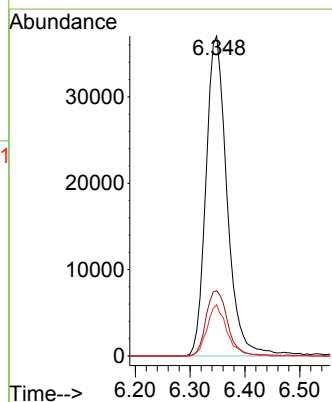
Tgt Ion: 43 Resp: 98560

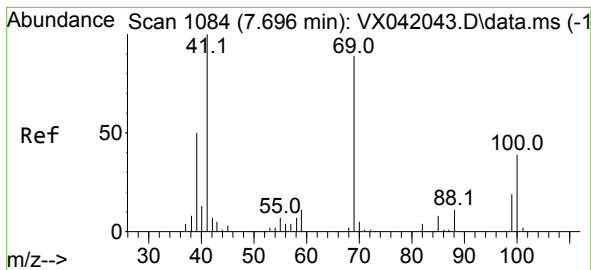
Ion Ratio Lower Upper

43 100

61 21.0 15.2 22.8

87 15.1 9.8 14.6#





#48

Methyl methacrylate

Concen: 44.121 ug/l

RT: 7.799 min Scan# 1101

Delta R.T. 0.104 min

Lab File: VX042263.D

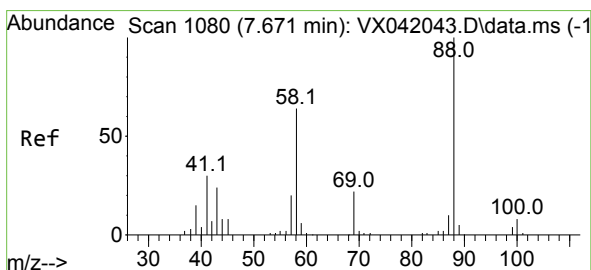
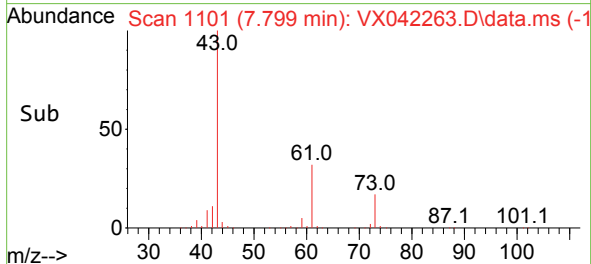
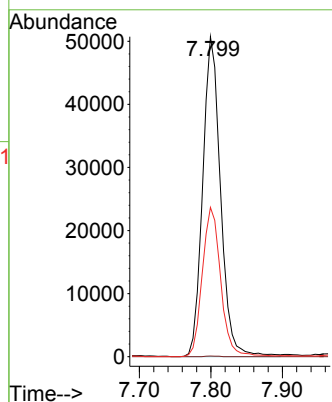
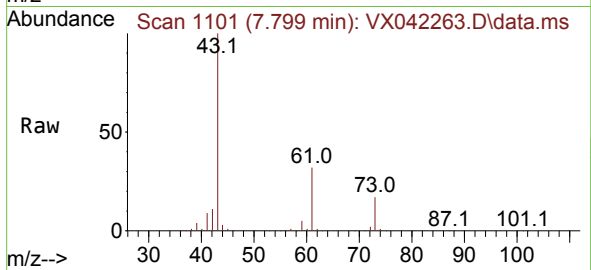
Acq: 10 Jul 2024 13:36

Instrument :

MSVOA_X

ClientSampleId :

Tgt Ion: 41 Resp: 88150
 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: 23.176 ug/l

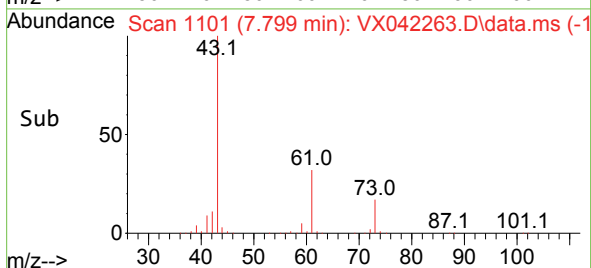
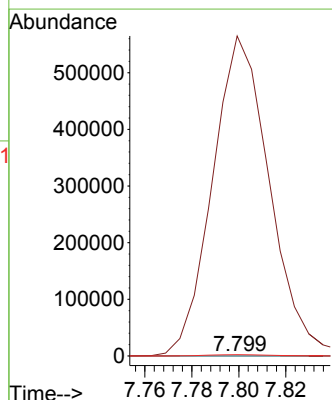
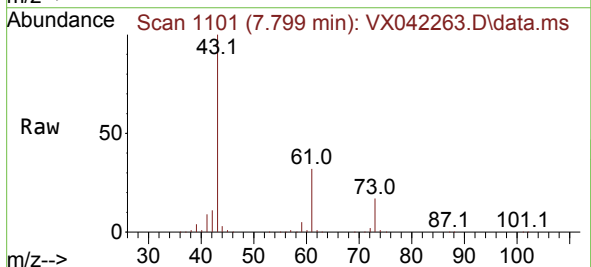
RT: 7.799 min Scan# 1101

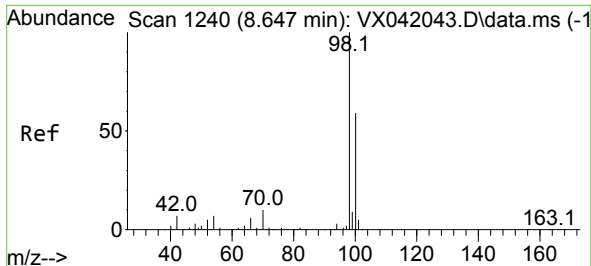
Delta R.T. 0.134 min

Lab File: VX042263.D

Acq: 10 Jul 2024 13:36

Tgt Ion: 88 Resp: 175
 Ion Ratio Lower Upper
 88 100
 43 555961.7 0.0 0.0#
 58 2521.7 60.1 90.1#

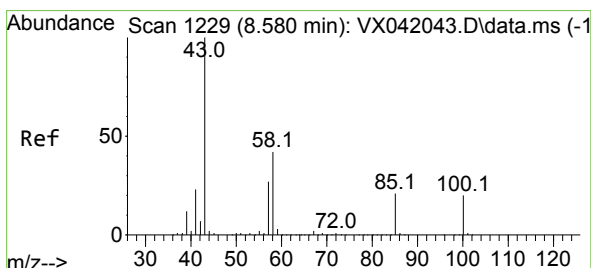
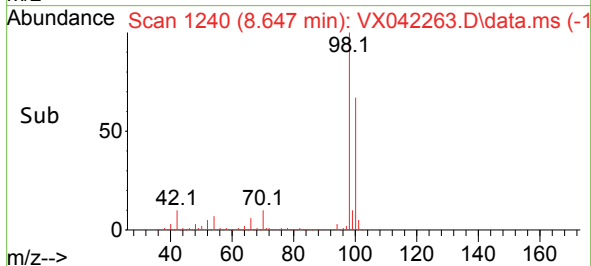
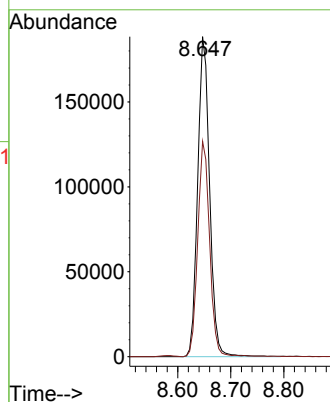
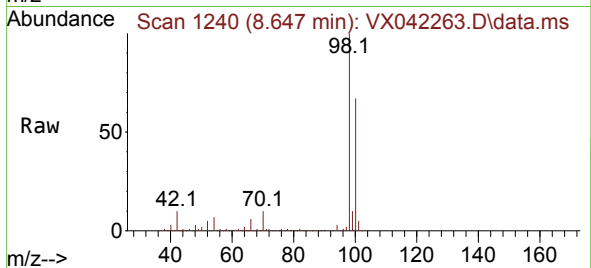




#50
Toluene-d8
Concen: 42.496 ug/l
RT: 8.647 min Scan# 11
Delta R.T. 0.000 min
Lab File: VX042263.D
Acq: 10 Jul 2024 13:36

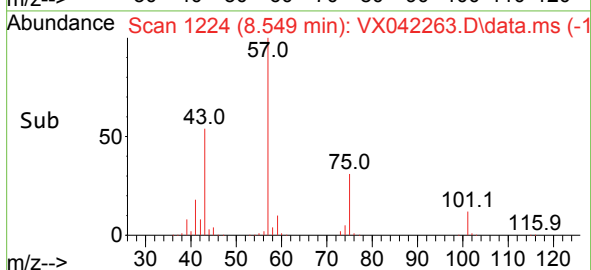
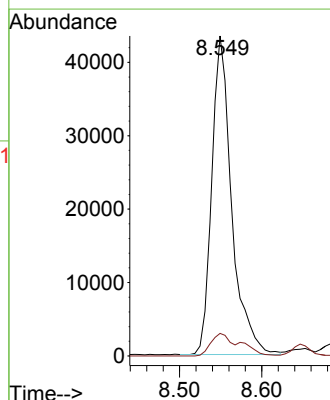
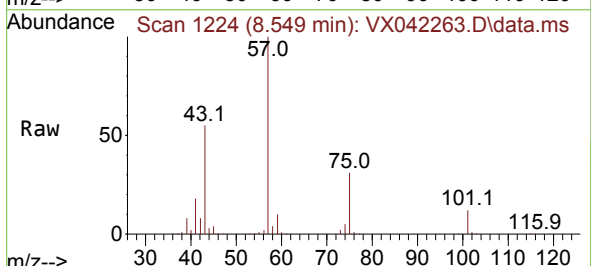
Instrument :
MSVOA_X
ClientSampleId :

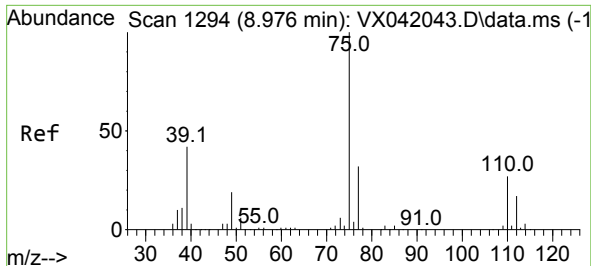
Tgt Ion: 98 Resp: 294350
Ion Ratio Lower Upper
98 100
100 67.2 53.1 79.7



#51
4-Methyl-2-Pentanone
Concen: 25.313 ug/l
RT: 8.549 min Scan# 1224
Delta R.T. -0.030 min
Lab File: VX042263.D
Acq: 10 Jul 2024 13:36

Tgt Ion: 43 Resp: 72996
Ion Ratio Lower Upper
43 100
58 7.1 30.4 45.6#

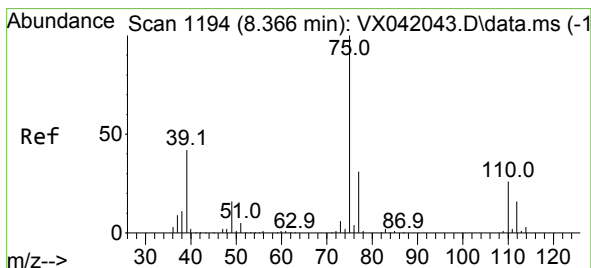
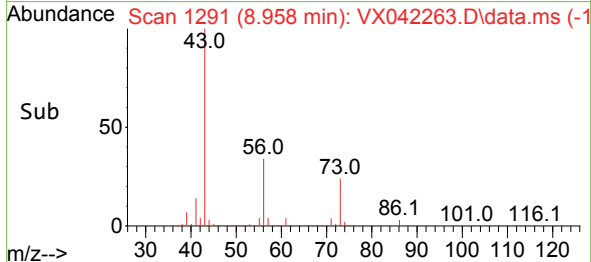
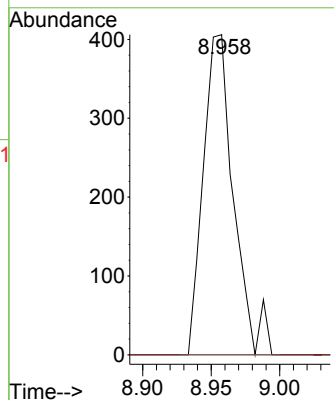
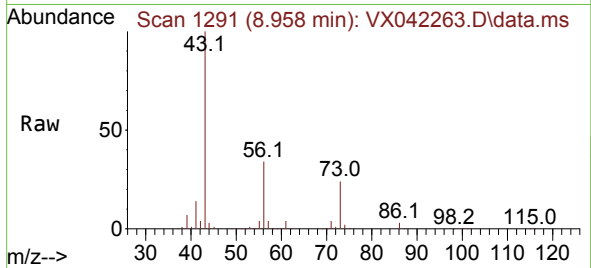




#53
 t-1,3-Dichloropropene
 Concen: 1.149 ug/l
 RT: 8.958 min Scan# 11
 Delta R.T. -0.024 min
 Lab File: VX042263.D
 Acq: 10 Jul 2024 13:36

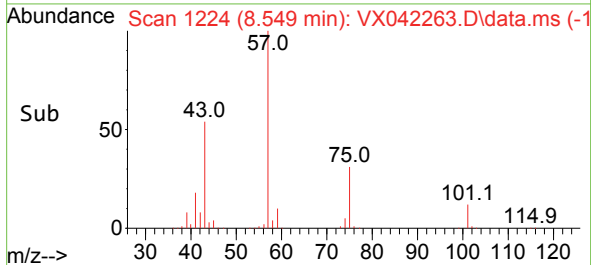
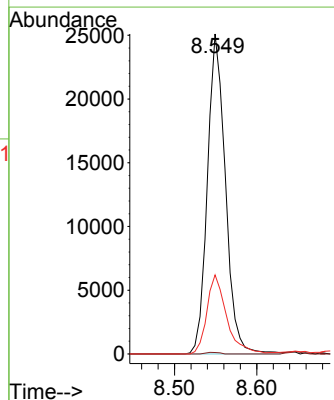
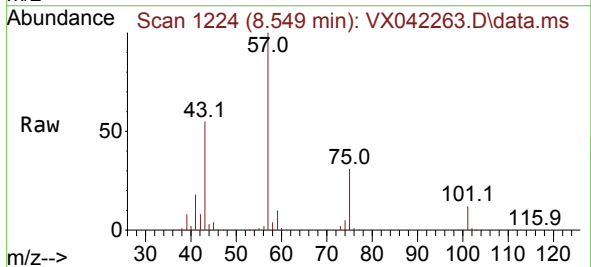
Instrument :
 MSVOA_X
 ClientSampleId :

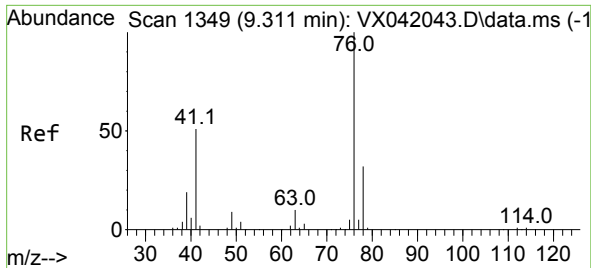
Tgt Ion: 75 Resp: 627
 Ion Ratio Lower Upper
 75 100
 77 0.0 25.7 38.5#



#54
 cis-1,3-Dichloropropene
 Concen: 15.033 ug/l
 RT: 8.549 min Scan# 1224
 Delta R.T. 0.183 min
 Lab File: VX042263.D
 Acq: 10 Jul 2024 13:36

Tgt Ion: 75 Resp: 38228
 Ion Ratio Lower Upper
 75 100
 77 0.4 25.3 37.9#
 39 24.7 46.7 70.1#





#57

1,3-Dichloropropane

Concen: 1.734 ug/l

RT: 9.482 min Scan# 1377

Delta R.T. 0.171 min

Lab File: VX042263.D

Acq: 10 Jul 2024 13:36

Instrument :

MSVOA_X

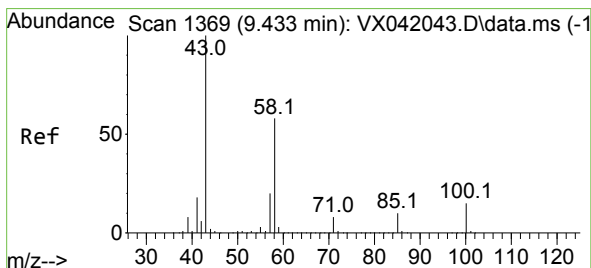
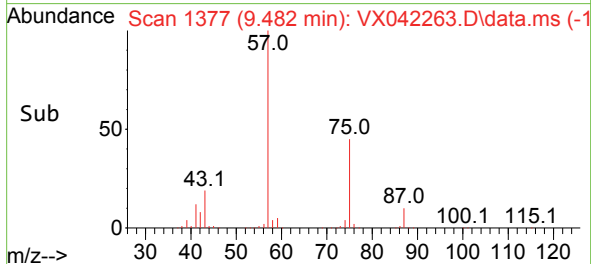
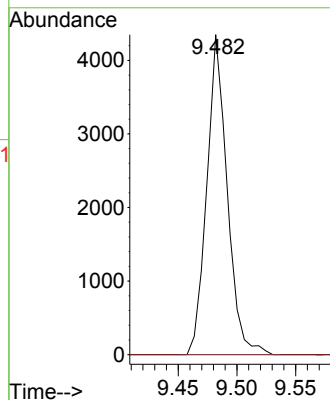
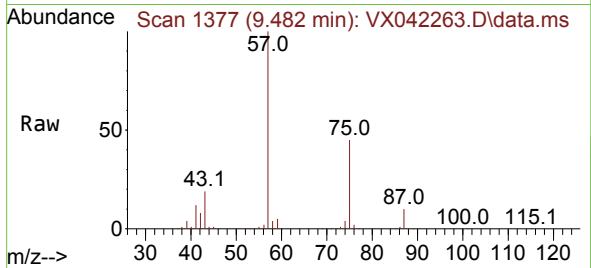
ClientSampleId :

Tgt Ion: 76 Resp: 5247

Ion Ratio Lower Upper

76 100

78 0.0 26.1 39.1#



#59

2-Hexanone

Concen: 28.475 ug/l

RT: 9.482 min Scan# 1377

Delta R.T. 0.049 min

Lab File: VX042263.D

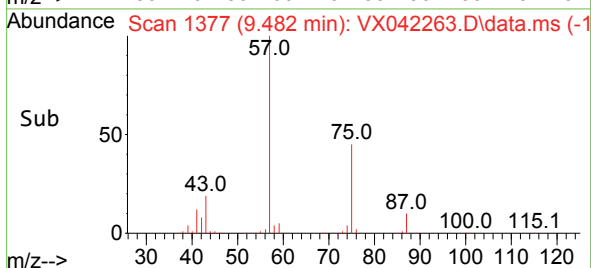
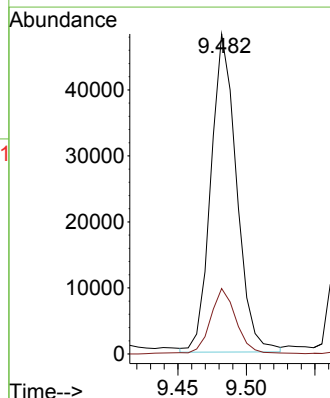
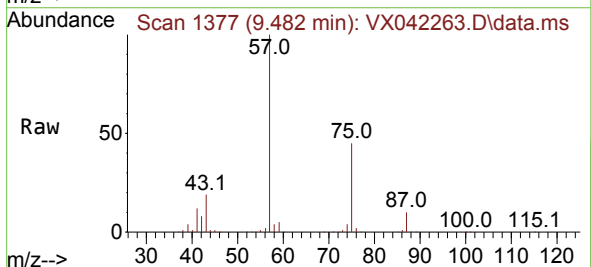
Acq: 10 Jul 2024 13:36

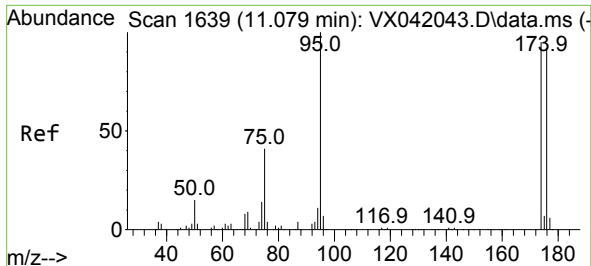
Tgt Ion: 43 Resp: 62892

Ion Ratio Lower Upper

43 100

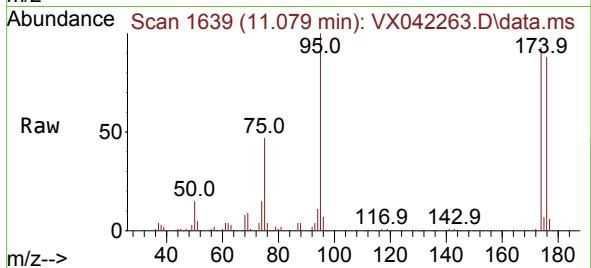
58 21.0 26.2 78.5#



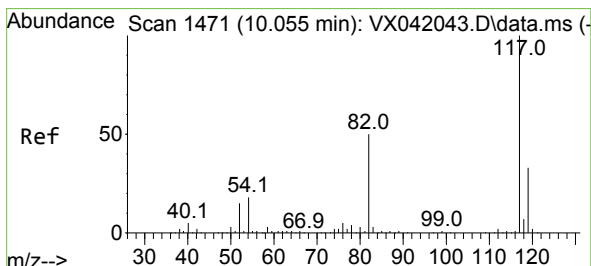
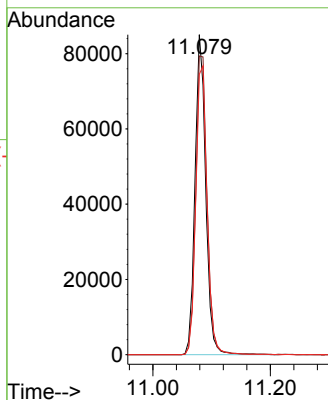
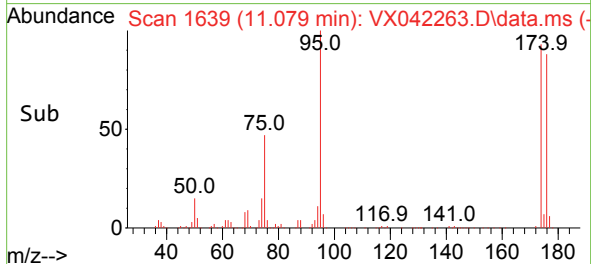


#62
4-Bromofluorobenzene
Concen: 42.097 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.000 min
Lab File: VX042263.D
Acq: 10 Jul 2024 13:36

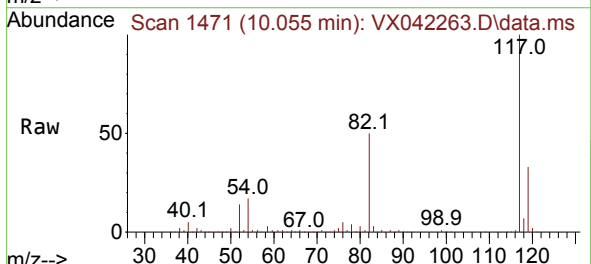
Instrument :
MSVOA_X
ClientSampleId :



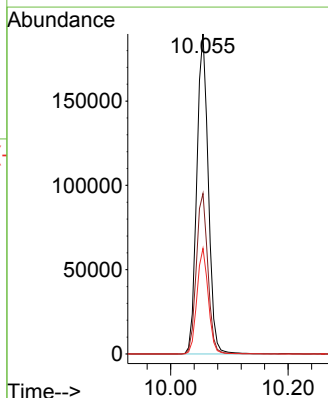
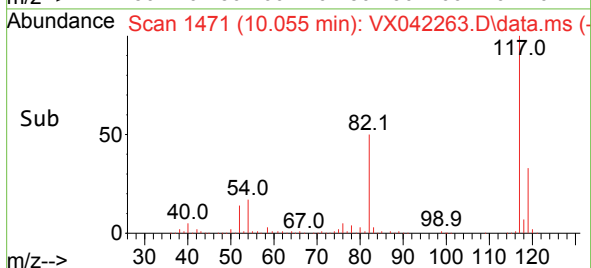
Tgt Ion: 95 Resp: 107484
Ion Ratio Lower Upper
95 100
174 99.1 0.0 135.6
176 95.4 0.0 131.0

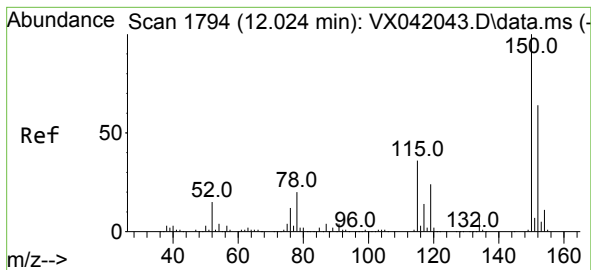


#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.000 min
Lab File: VX042263.D
Acq: 10 Jul 2024 13:36



Tgt Ion: 117 Resp: 258353
Ion Ratio Lower Upper
117 100
82 50.1 46.2 69.4
119 33.0 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

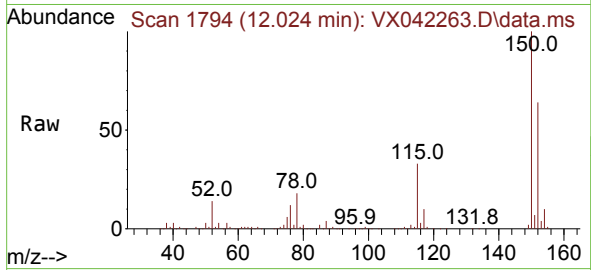
Lab File: VX042263.D

Acq: 10 Jul 2024 13:36

Instrument :

MSVOA_X

ClientSampleId :



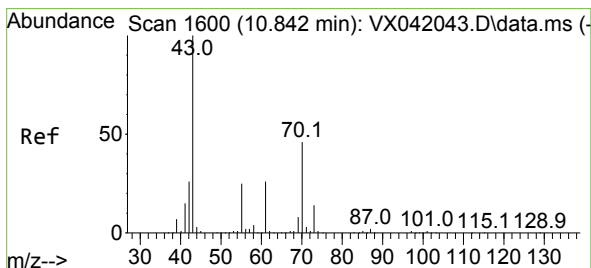
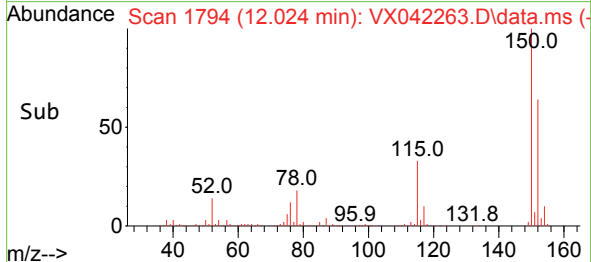
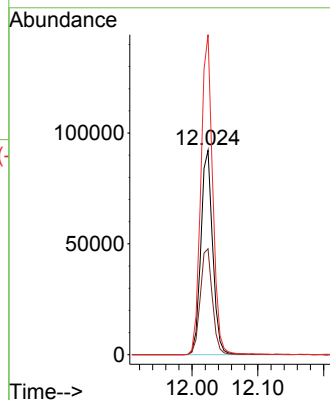
Tgt Ion:152 Resp: 115653

Ion Ratio Lower Upper

152 100

115 53.2 43.3 129.9

150 156.6 0.0 345.0



#74

N-ethyl acetate

Concen: 0.283 ug/l

RT: 10.817 min Scan# 1596

Delta R.T. -0.024 min

Lab File: VX042263.D

Acq: 10 Jul 2024 13:36

Tgt Ion: 43 Resp: 885

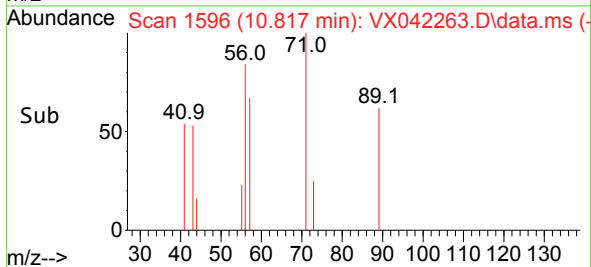
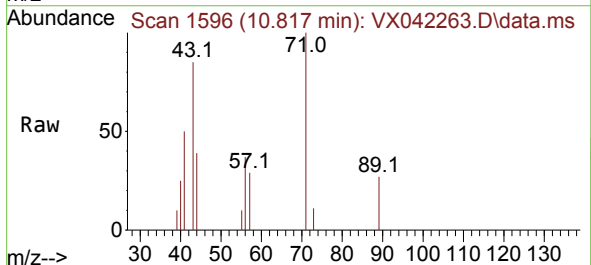
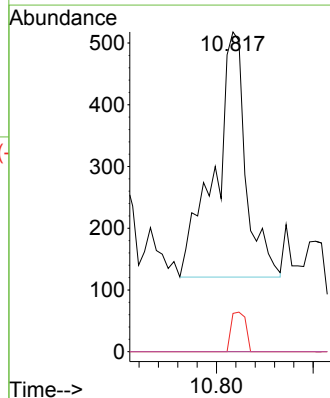
Ion Ratio Lower Upper

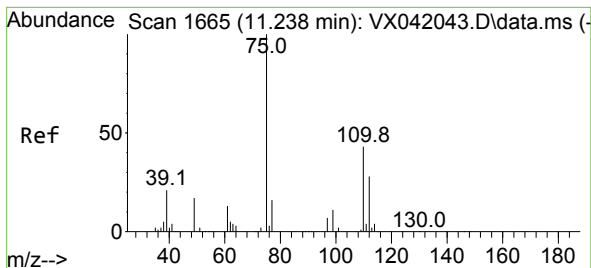
43 100

70 0.0 32.9 49.3#

55 7.6 19.3 28.9#

61 0.0 18.8 28.2#





#76

1,2,3-Trichloropropane

Concen: 23.586 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. -0.159 min

Lab File: VX042263.D

Acq: 10 Jul 2024 13:36

Instrument :

MSVOA_X

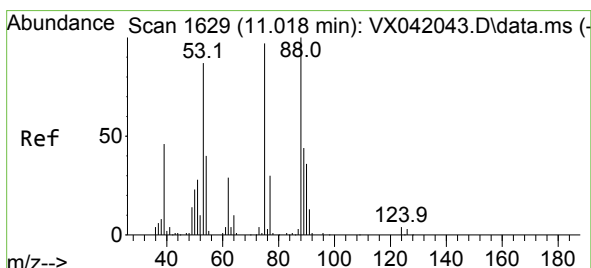
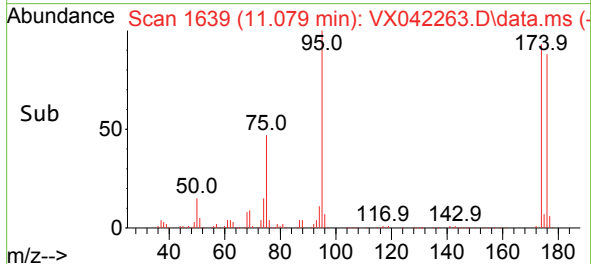
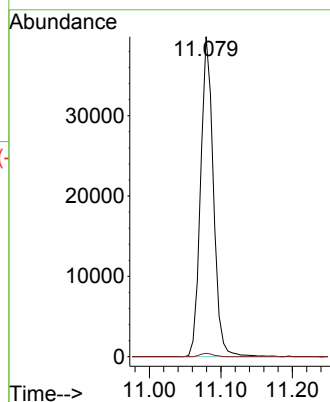
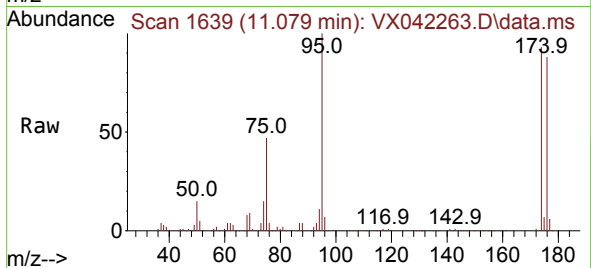
ClientSampleId :

Tgt Ion: 75 Resp: 49521

Ion Ratio Lower Upper

75 100

77 1.1 19.1 57.5#



#81

trans-1,4-Dichloro-2-butene

Concen: 66.983 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. 0.061 min

Lab File: VX042263.D

Acq: 10 Jul 2024 13:36

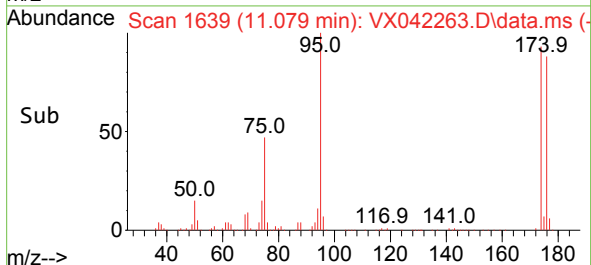
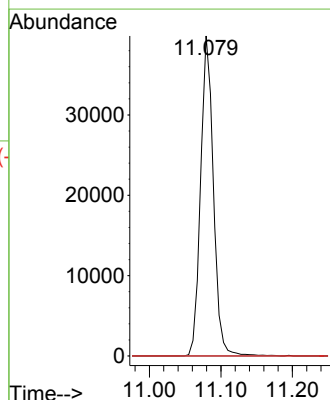
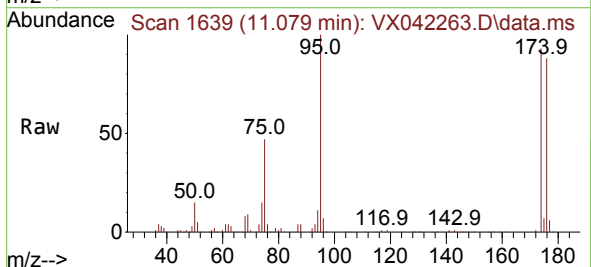
Tgt Ion: 75 Resp: 49521

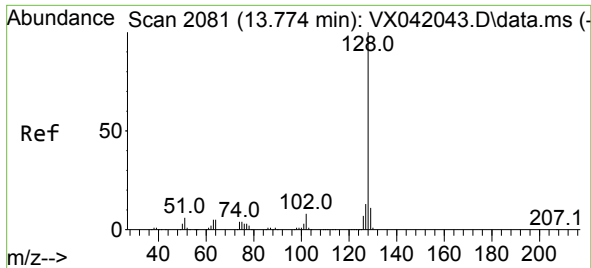
Ion Ratio Lower Upper

75 100

53 0.0 90.5 135.7#

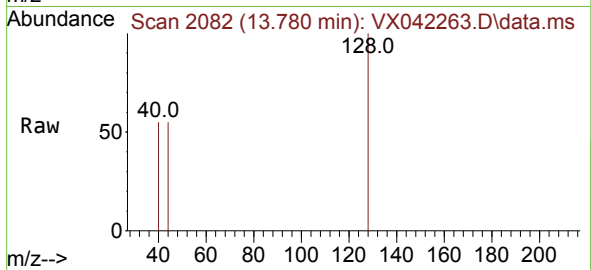
89 0.0 36.9 55.3#





#95
 Naphthalene
 Concen: 0.790 ug/l
 RT: 13.780 min Scan# 2082
 Delta R.T. 0.006 min
 Lab File: VX042263.D
 Acq: 10 Jul 2024 13:36

Instrument :
 MSVOA_X
 ClientSampleId :



Tgt Ion:	128	Resp:	358
Ion	Ratio	Lower	Upper
128	100		
127	0.0	10.3	15.5#
129	0.0	8.8	13.2#

