

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX080724\
 Data File : VX042921.D
 Acq On : 07 Aug 2024 17:21
 Operator : JC/MD
 Sample : P3374-11
 Misc : 7.95g/10.0mL/100uL/5.0mL/MSVOA_X/MEOH
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 S-862-K2-SO-13.5-14-072024ME

Quant Time: Aug 08 02:04:43 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X080724W.M
 Quant Title : SW846 8260
 QLast Update : Wed Aug 07 02:55:22 2024
 Response via : Initial Calibration

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

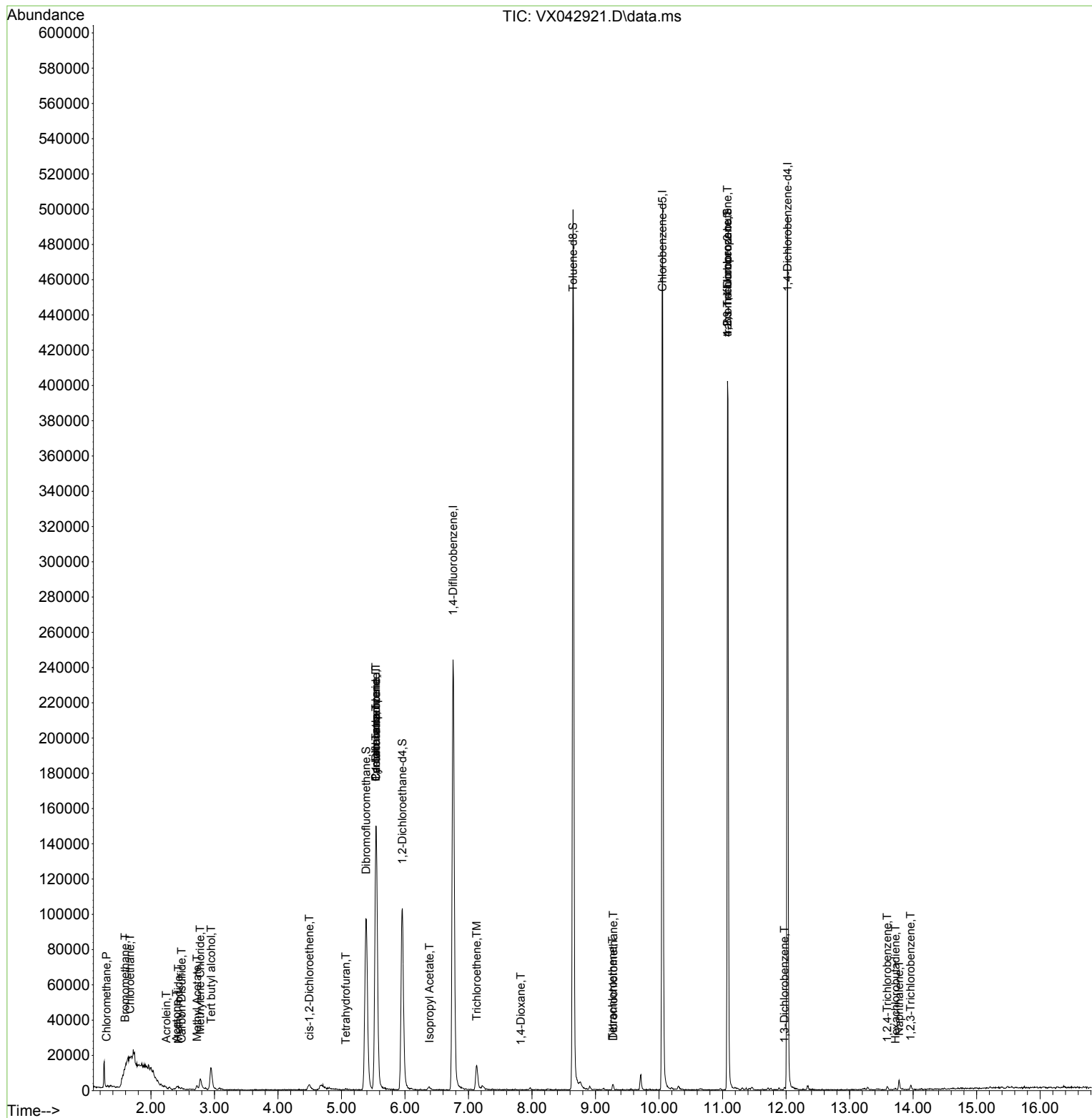
Internal Standards						
1) Pentafluorobenzene	5.544	168	148460	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	262334	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	248441	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	105951	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	108346	53.161	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery = 106.320%			
35) Dibromofluoromethane	5.385	113	89672	52.279	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 104.560%			
50) Toluene-d8	8.647	98	311936	51.227	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery = 102.460%			
62) 4-Bromofluorobenzene	11.079	95	115069	52.587	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 105.180%			
Target Compounds					Qvalue	
3) Chloromethane	1.301	50	374	0.215	ug/l #	43
5) Bromomethane	1.593	94	648	0.647	ug/l #	63
6) Chloroethane	1.672	64	291	0.309	ug/l #	43
10) Methyl Iodide	2.434	142	417	0.249	ug/l #	34
11) Tert butyl alcohol	2.947	59	8333	20.556	ug/l #	78
13) Acrolein	2.239	56	200	0.501	ug/l	90
16) Acetone	2.404	43	660	0.747	ug/l #	78
17) Carbon Disulfide	2.483	76	970	0.244	ug/l #	76
18) Methyl Acetate	2.727	43	3848	1.373	ug/l	99
20) Methylene Chloride	2.776	84	4240	1.414	ug/l #	94
27) cis-1,2-Dichloroethene	4.495	96	2179	1.116	ug/l	88
29) Tetrahydrofuran	5.068	42	325	0.346	ug/l #	62
31) Cyclohexane	5.544	56	3174	1.245	ug/l #	26
36) 1,1-Dichloropropene	5.544	75	11077	4.763	ug/l #	53
38) Carbon Tetrachloride	5.544	117	14765	5.624	ug/l #	16
43) Isopropyl Acetate	6.385	43	1089	0.253	ug/l #	62
44) Trichloroethene	7.129	130	6263	3.453	ug/l	88
49) 1,4-Dioxane	7.824	88	50	1.092	ug/l #	12
60) Dibromochloromethane	9.281	129	703	0.360	ug/l #	11
64) Tetrachloroethene	9.269	164	615	0.356	ug/l #	63
76) 1,2,3-Trichloropropane	11.079	75	58096	24.381	ug/l #	39
81) trans-1,4-Dichloro-2-b...	11.079	75	58096	79.276	ug/l #	5
87) 1,3-Dichlorobenzene	11.975	146	710	0.201	ug/l	81
93) 1,2,4-Trichlorobenzene	13.591	180	670	0.311	ug/l	90
94) Hexachlorobutadiene	13.725	225	220	0.241	ug/l #	40
95) Naphthalene	13.780	128	4841	0.649	ug/l	98
96) 1,2,3-Trichlorobenzene	13.963	180	729	0.336	ug/l	77

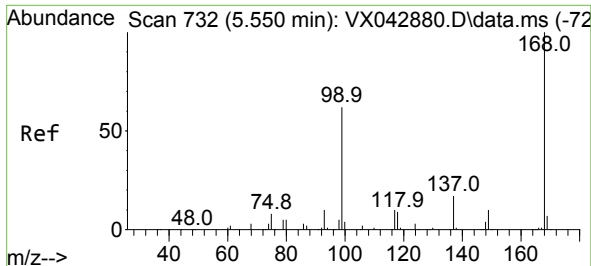
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration

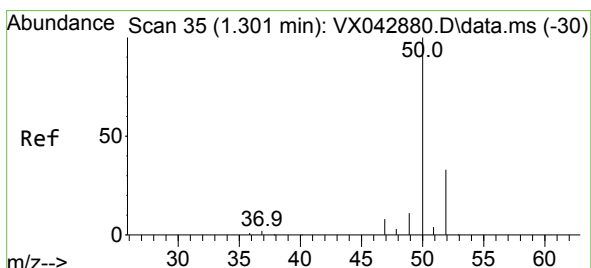
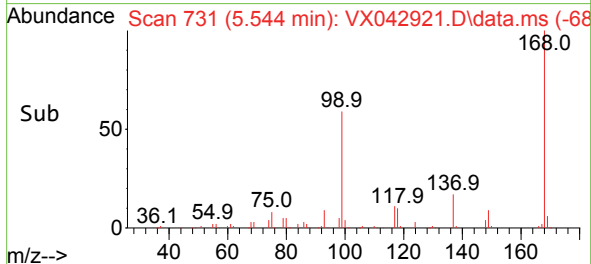
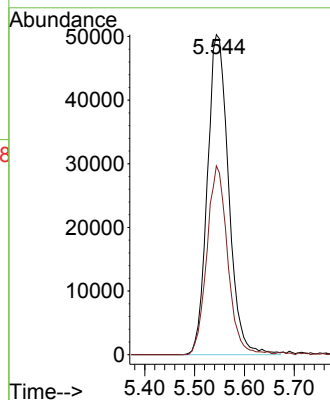
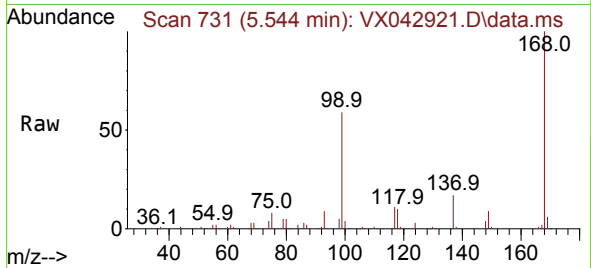




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.544 min Scan# 71
Delta R.T. -0.006 min
Lab File: VX042921.D
Acq: 07 Aug 2024 17:21

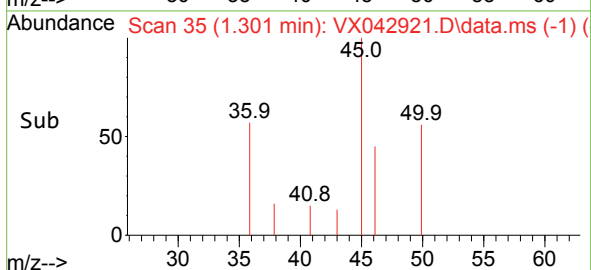
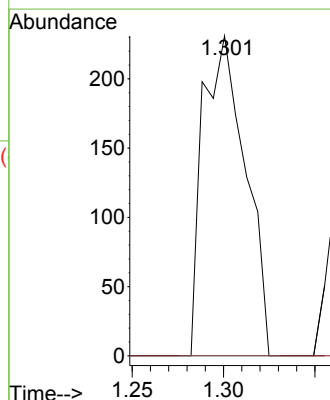
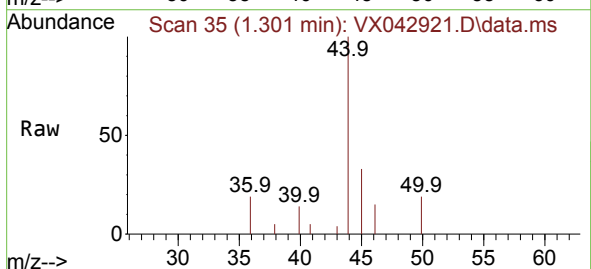
Instrument :
MSVOA_X
ClientSampleId :
S-862-K2-SO-13.5-14-072024ME

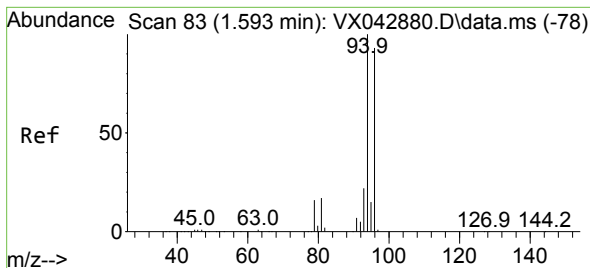
Tgt Ion:168 Resp: 148460
Ion Ratio Lower Upper
168 100
99 59.0 56.6 85.0



#3
Chloromethane
Concen: 0.215 ug/l
RT: 1.301 min Scan# 35
Delta R.T. -0.000 min
Lab File: VX042921.D
Acq: 07 Aug 2024 17:21

Tgt Ion: 50 Resp: 374
Ion Ratio Lower Upper
50 100
52 0.0 25.5 38.3#





#5

Bromomethane

Concen: 0.647 ug/l

RT: 1.593 min Scan# 81

Delta R.T. -0.000 min

Lab File: VX042921.D

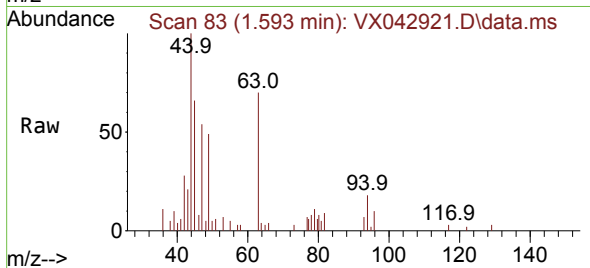
Acq: 07 Aug 2024 17:21

Instrument :

MSVOA_X

ClientSampleId :

S-862-K2-SO-13.5-14-072024ME

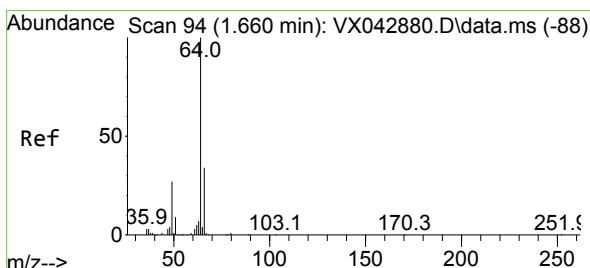
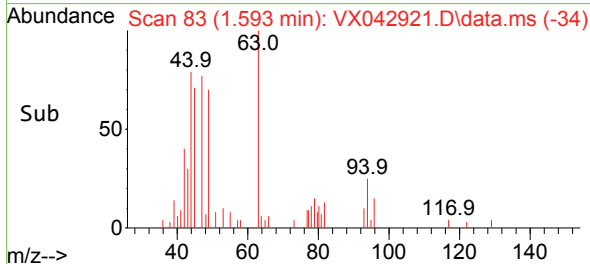
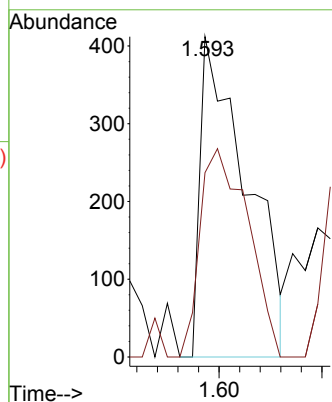


Tgt Ion: 94 Resp: 648

Ion Ratio Lower Upper

94 100

96 57.5 74.6 111.8#



#6

Chloroethane

Concen: 0.309 ug/l

RT: 1.672 min Scan# 96

Delta R.T. 0.012 min

Lab File: VX042921.D

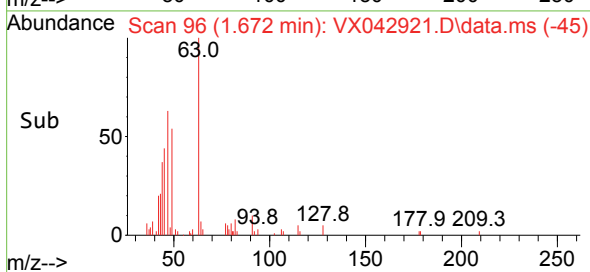
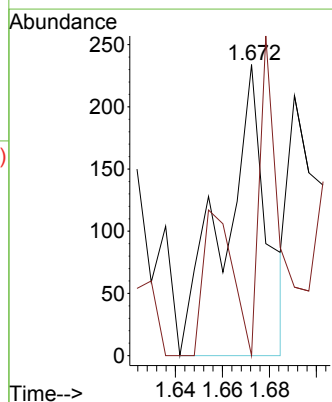
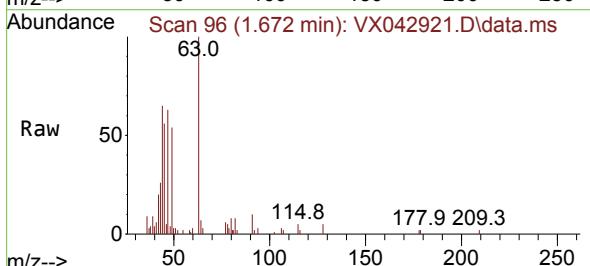
Acq: 07 Aug 2024 17:21

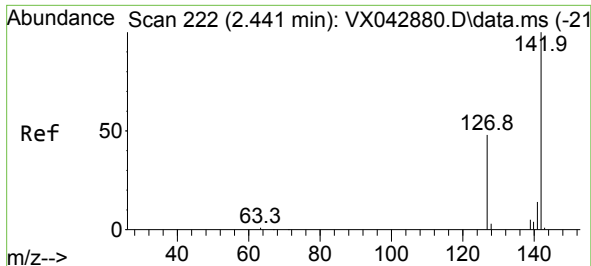
Tgt Ion: 64 Resp: 291

Ion Ratio Lower Upper

64 100

66 0.0 25.1 37.7#

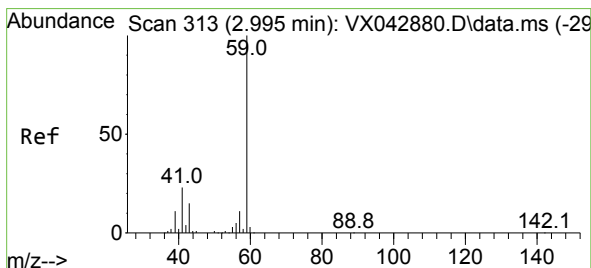
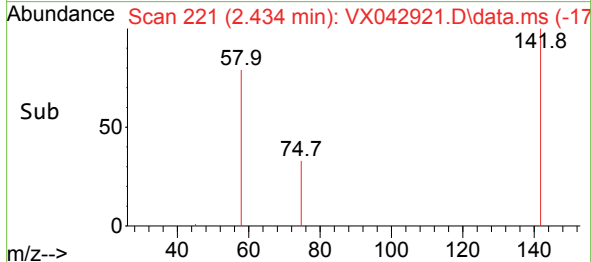
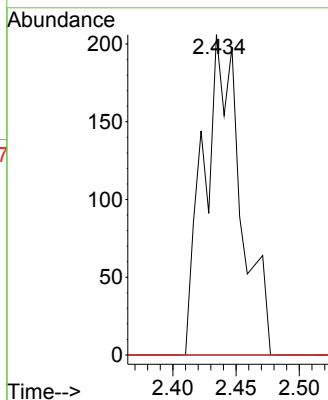
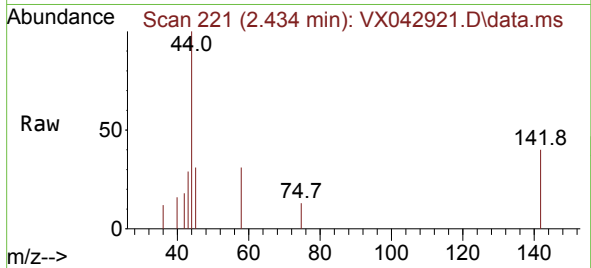




#10
Methyl Iodide
Concen: 0.249 ug/l
RT: 2.434 min Scan# 21
Delta R.T. -0.006 min
Lab File: VX042921.D
Acq: 07 Aug 2024 17:21

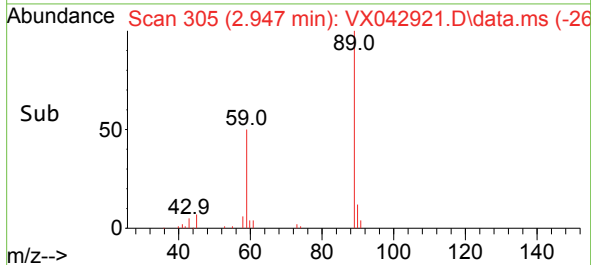
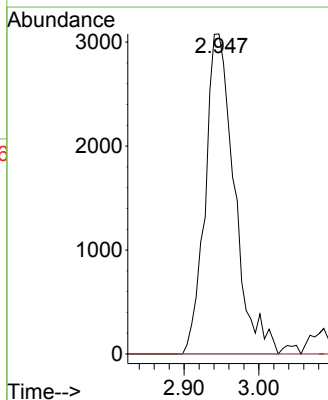
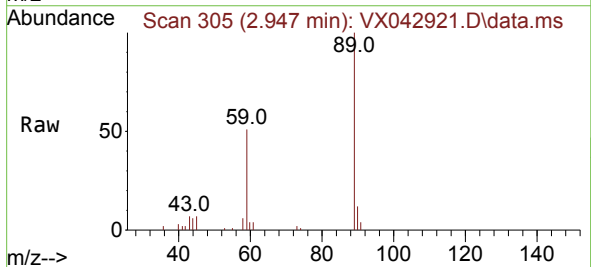
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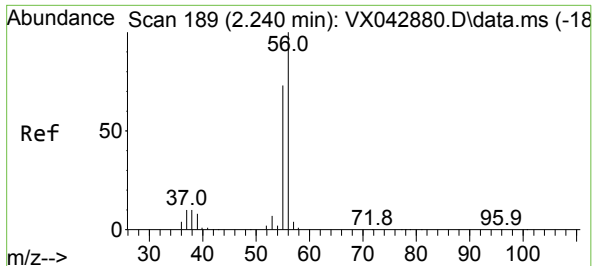
Tgt Ion:142 Resp: 417
Ion Ratio Lower Upper
142 100
127 0.0 41.6 62.4#
141 0.0 11.6 17.4#



#11
Tert butyl alcohol
Concen: 20.556 ug/l
RT: 2.947 min Scan# 305
Delta R.T. -0.049 min
Lab File: VX042921.D
Acq: 07 Aug 2024 17:21

Tgt Ion: 59 Resp: 8333
Ion Ratio Lower Upper
59 100
57 0.0 6.0 9.0#

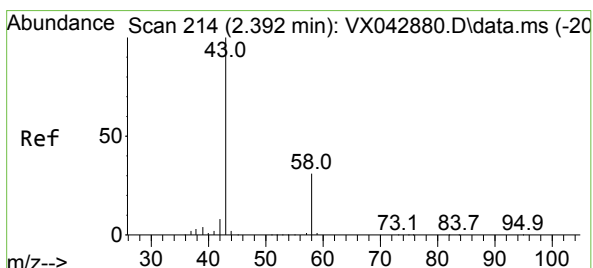
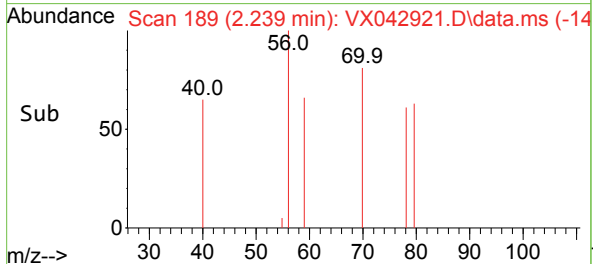
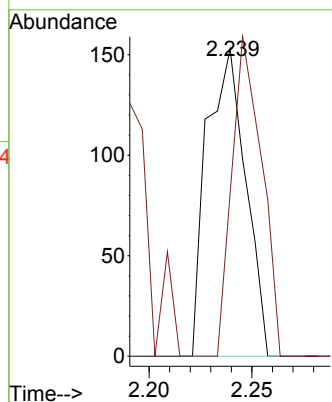
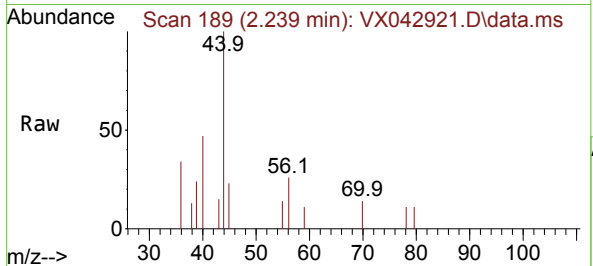




#13
Acrolein
Concen: 0.501 ug/l
RT: 2.239 min Scan# 11
Delta R.T. -0.000 min
Lab File: VX042921.D
Acq: 07 Aug 2024 17:21

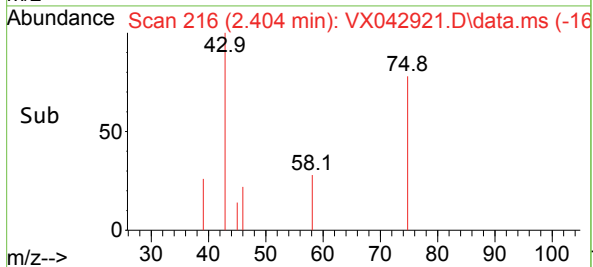
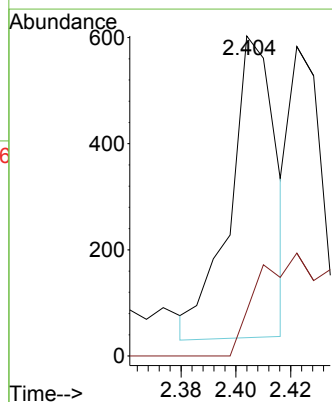
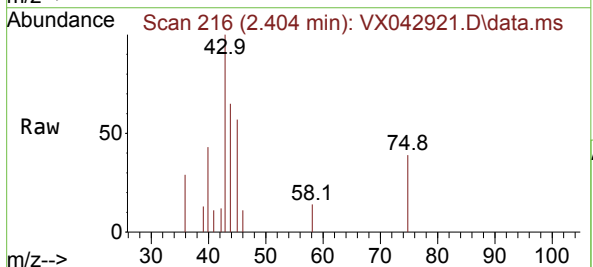
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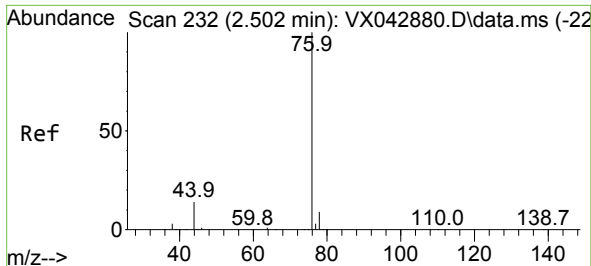
Tgt Ion: 56 Resp: 200
Ion Ratio Lower Upper
56 100
55 80.0 57.1 85.7



#16
Acetone
Concen: 0.747 ug/l
RT: 2.404 min Scan# 216
Delta R.T. 0.012 min
Lab File: VX042921.D
Acq: 07 Aug 2024 17:21

Tgt Ion: 43 Resp: 660
Ion Ratio Lower Upper
43 100
58 16.1 21.9 32.9#

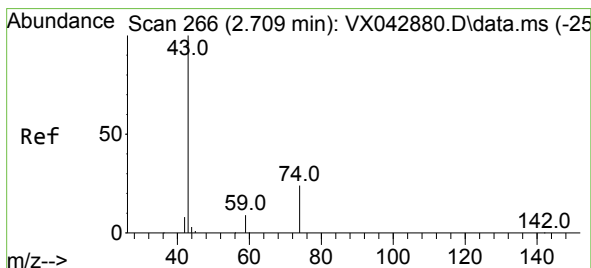
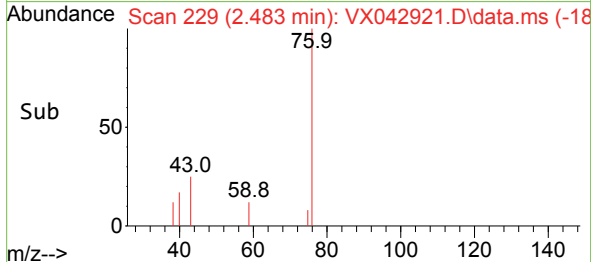
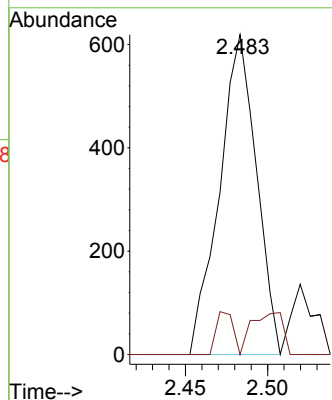
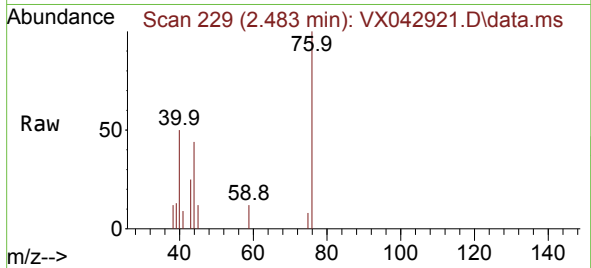




#17
Carbon Disulfide
Concen: 0.244 ug/l
RT: 2.483 min Scan# 21
Delta R.T. -0.018 min
Lab File: VX042921.D
Acq: 07 Aug 2024 17:21

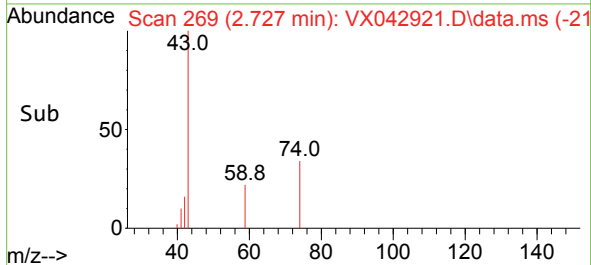
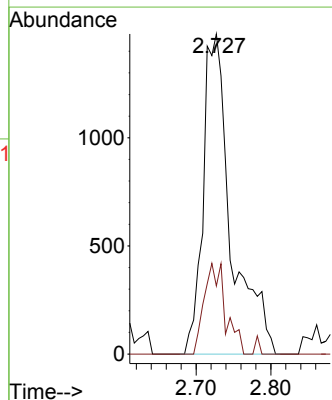
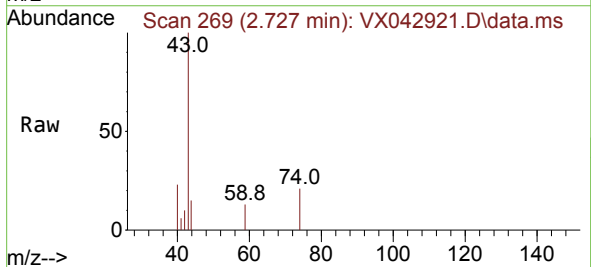
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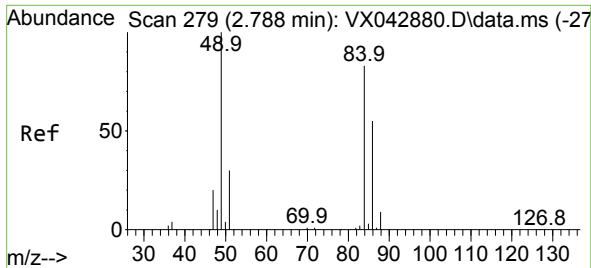
Tgt Ion: 76 Resp: 970
Ion Ratio Lower Upper
76 100
78 0.0 7.0 10.6#



#18
Methyl Acetate
Concen: 1.373 ug/l
RT: 2.727 min Scan# 269
Delta R.T. 0.018 min
Lab File: VX042921.D
Acq: 07 Aug 2024 17:21

Tgt Ion: 43 Resp: 3848
Ion Ratio Lower Upper
43 100
74 21.6 17.8 26.8

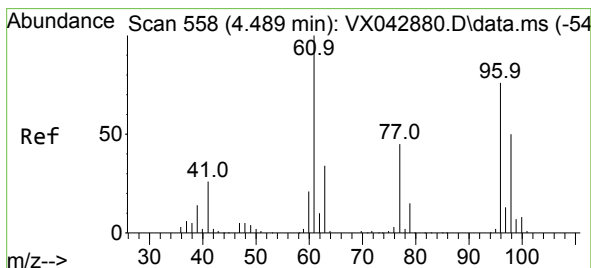
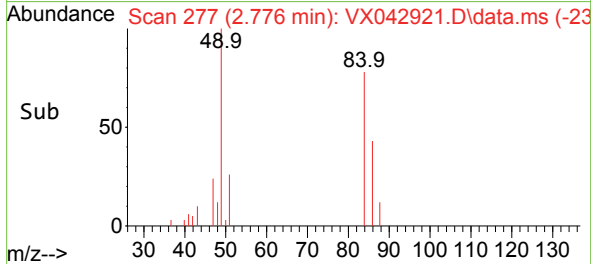
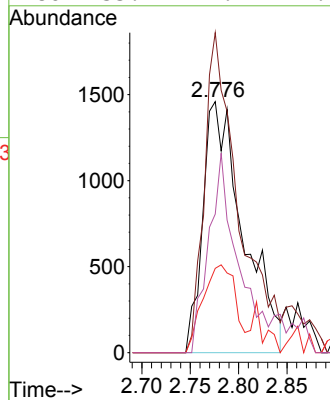
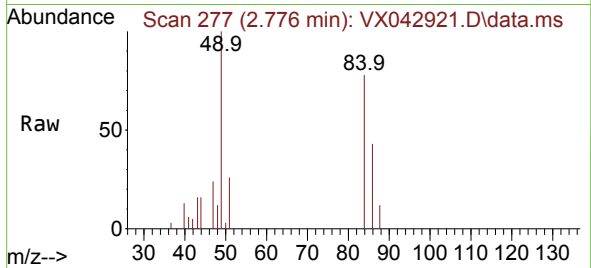




#20
Methylene Chloride
Concen: 1.414 ug/l
RT: 2.776 min Scan# 21
Delta R.T. -0.012 min
Lab File: VX042921.D
Acq: 07 Aug 2024 17:21

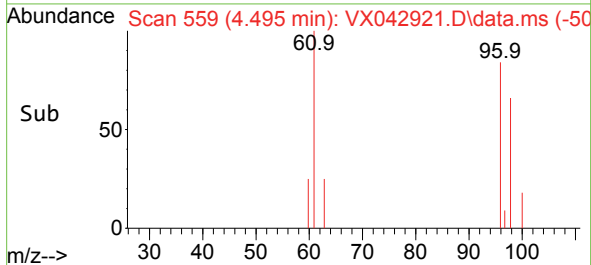
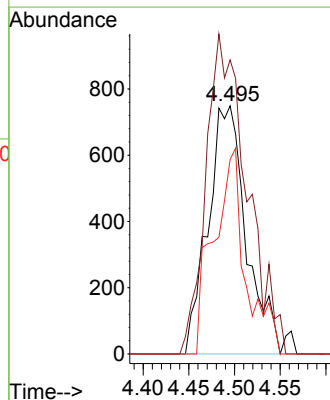
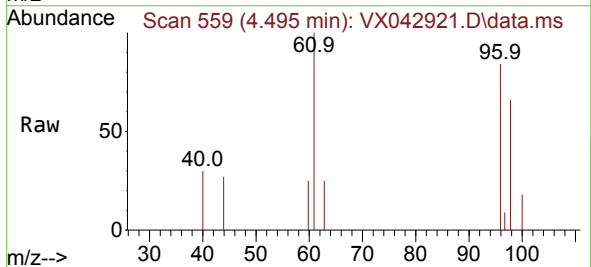
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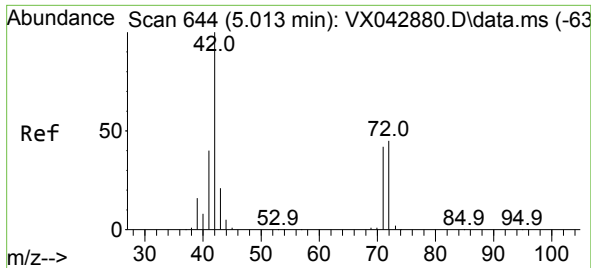
Tgt Ion:	84	Resp:	4240
Ion	Ratio	Lower	Upper
84	100		
49	127.5	103.6	155.4
51	33.6	33.8	50.6#
86	55.2	49.4	74.0



#27
cis-1,2-Dichloroethene
Concen: 1.116 ug/l
RT: 4.495 min Scan# 559
Delta R.T. 0.006 min
Lab File: VX042921.D
Acq: 07 Aug 2024 17:21

Tgt Ion:	96	Resp:	2179
Ion	Ratio	Lower	Upper
96	100		
61	138.1	0.0	312.2
98	69.2	0.0	129.0

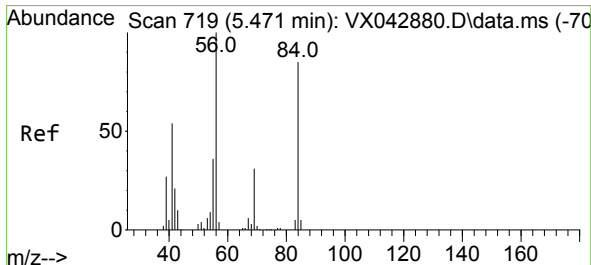
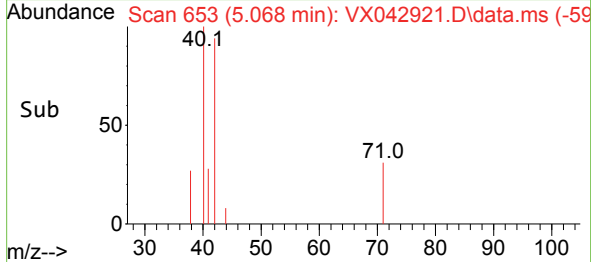
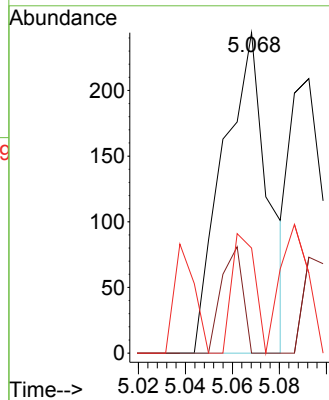
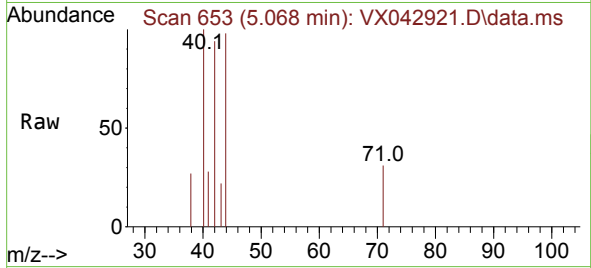




#29
Tetrahydrofuran
Concen: 0.346 ug/l
RT: 5.068 min Scan# 611
Delta R.T. 0.055 min
Lab File: VX042921.D
Acq: 07 Aug 2024 17:21

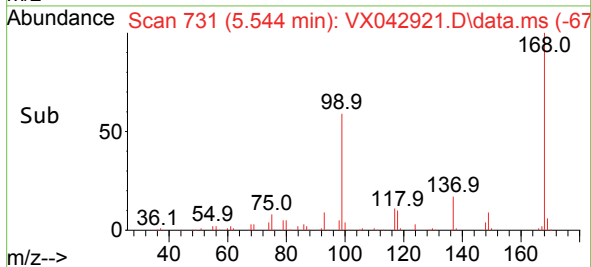
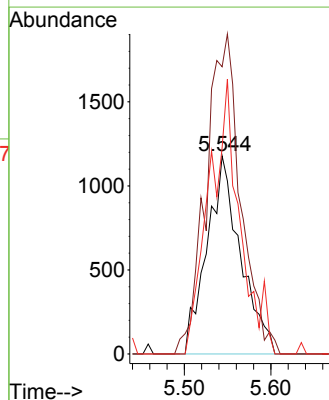
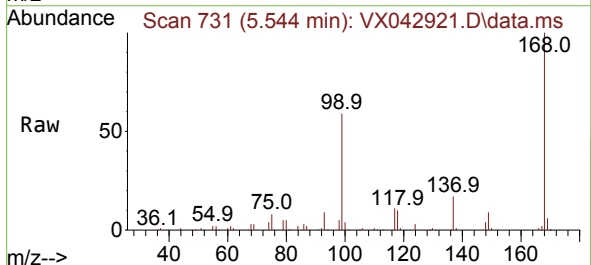
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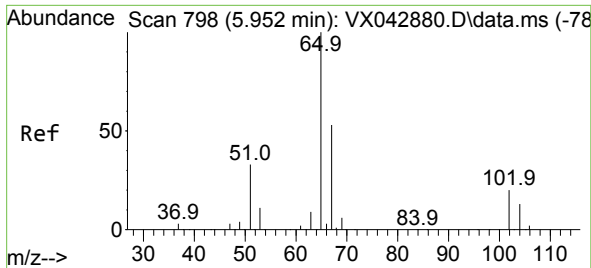
Tgt Ion:	42	Resp:	325
Ion	Ratio	Lower	Upper
42	100		
72	16.0	34.2	51.4#
71	19.4	32.2	48.2#



#31
Cyclohexane
Concen: 1.245 ug/l
RT: 5.544 min Scan# 731
Delta R.T. 0.073 min
Lab File: VX042921.D
Acq: 07 Aug 2024 17:21

Tgt Ion:	56	Resp:	3174
Ion	Ratio	Lower	Upper
56	100		
69	145.0	23.4	35.2#
84	104.1	65.9	98.9#

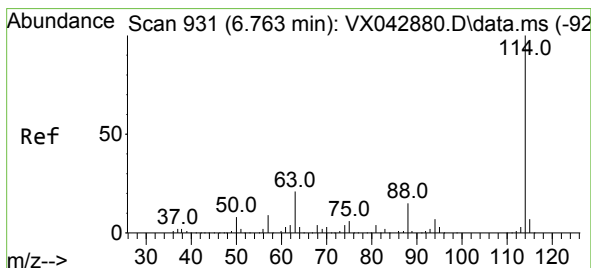
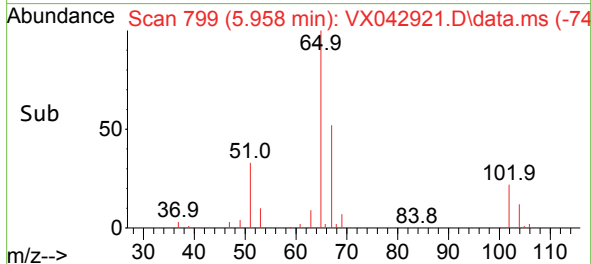
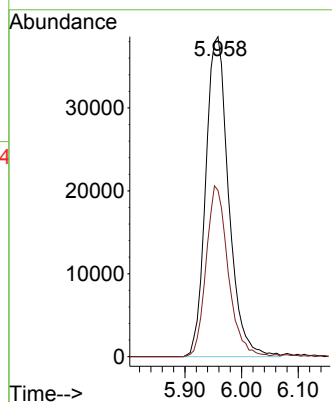
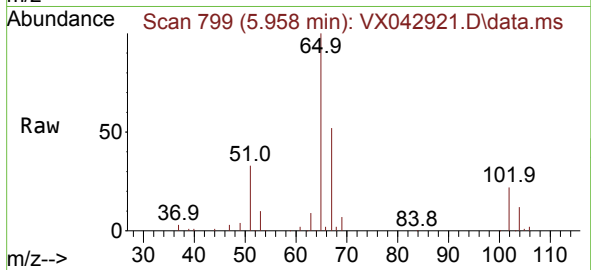




#33
1,2-Dichloroethane-d4
Concen: 53.161 ug/l
RT: 5.958 min Scan# 798
Delta R.T. 0.006 min
Lab File: VX042921.D
Acq: 07 Aug 2024 17:21

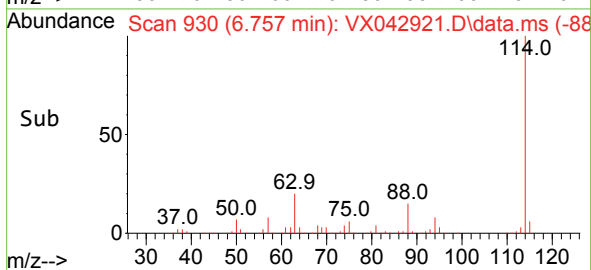
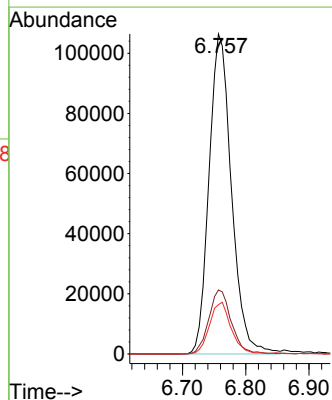
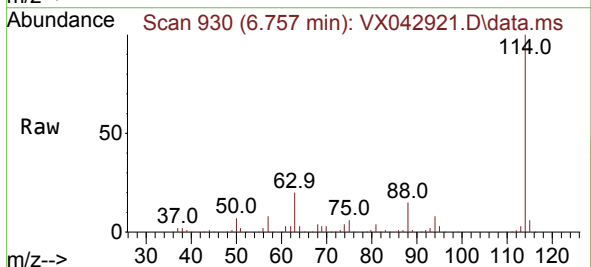
Instrument :
MSVOA_X
ClientSampleId :
S-862-K2-SO-13.5-14-072024ME

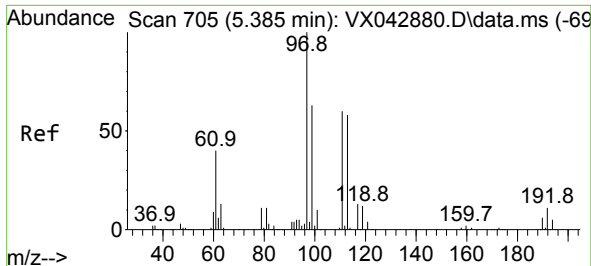
Tgt Ion: 65 Resp: 108346
Ion Ratio Lower Upper
65 100
67 51.3 0.0 100.2



#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.757 min Scan# 930
Delta R.T. -0.006 min
Lab File: VX042921.D
Acq: 07 Aug 2024 17:21

Tgt Ion: 114 Resp: 262334
Ion Ratio Lower Upper
114 100
63 20.0 0.0 45.0
88 15.4 0.0 36.6

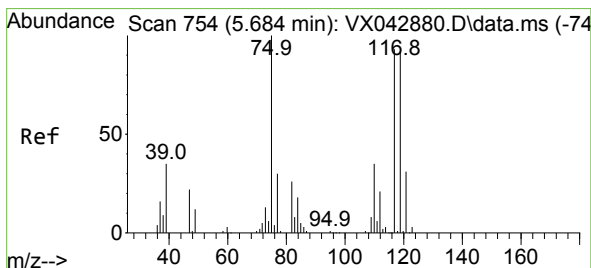
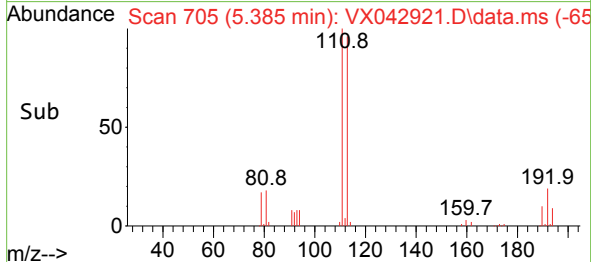
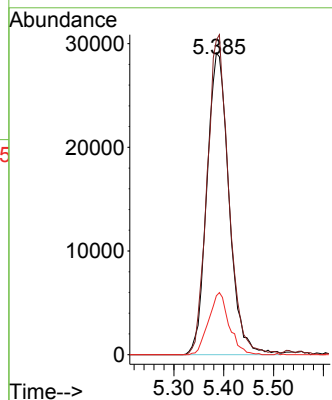
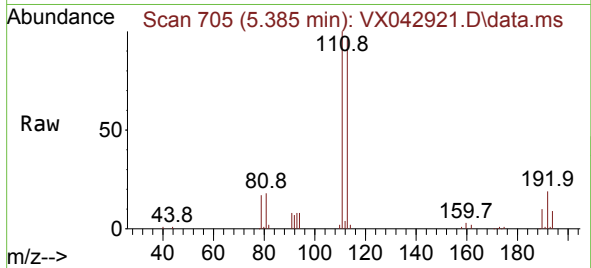




#35
Dibromofluoromethane
Concen: 52.279 ug/l
RT: 5.385 min Scan# 705
Delta R.T. -0.000 min
Lab File: VX042921.D
Acq: 07 Aug 2024 17:21

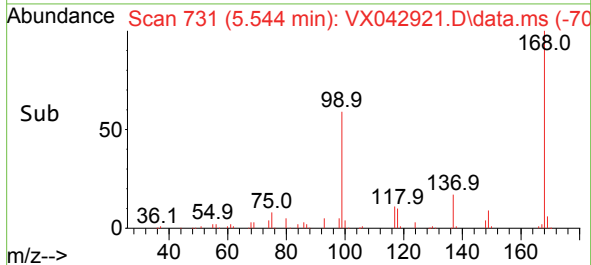
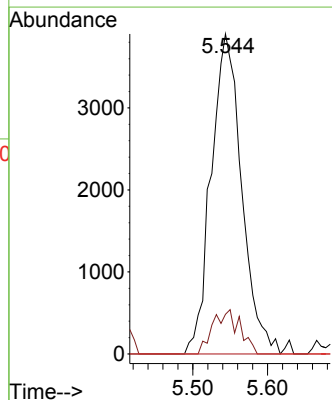
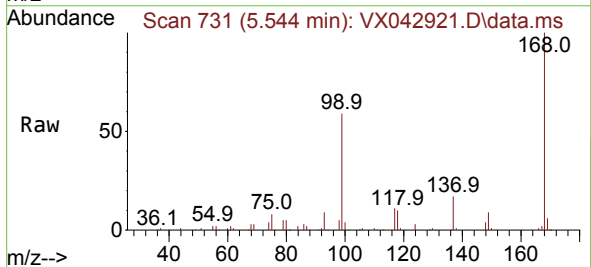
Instrument :
MSVOA_X
ClientSampleId :
S-862-K2-SO-13.5-14-072024ME

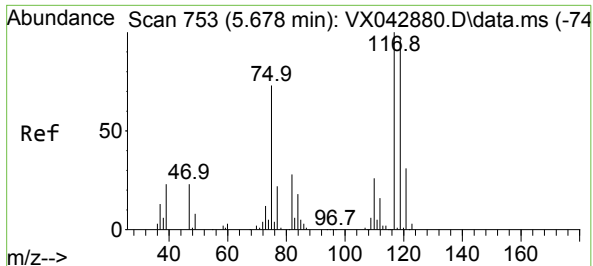
Tgt Ion:113 Resp: 89672
Ion Ratio Lower Upper
113 100
111 103.3 82.9 124.3
192 19.1 13.3 19.9



#36
1,1-Dichloropropene
Concen: 4.763 ug/l
RT: 5.544 min Scan# 731
Delta R.T. -0.140 min
Lab File: VX042921.D
Acq: 07 Aug 2024 17:21

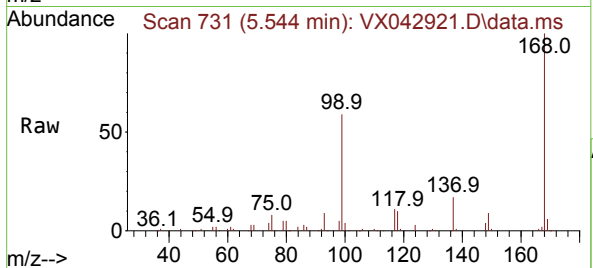
Tgt Ion: 75 Resp: 11077
Ion Ratio Lower Upper
75 100
110 12.2 17.0 50.9#
77 0.0 24.7 37.1#



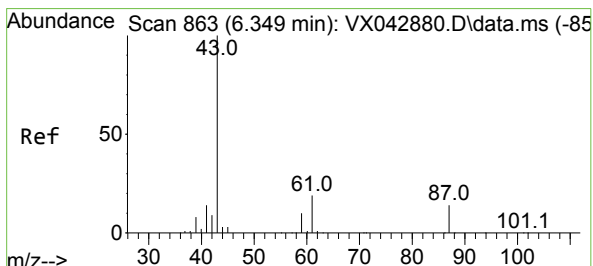
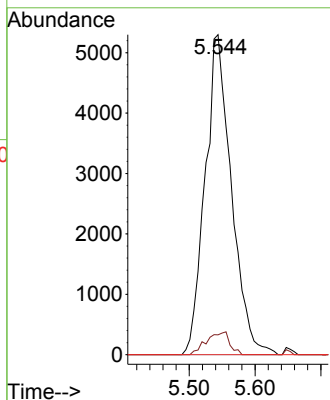
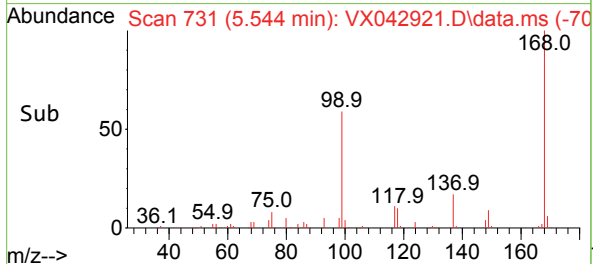


#38
Carbon Tetrachloride
Concen: 5.624 ug/l
RT: 5.544 min Scan# 711
Delta R.T. -0.134 min
Lab File: VX042921.D
Acq: 07 Aug 2024 17:21

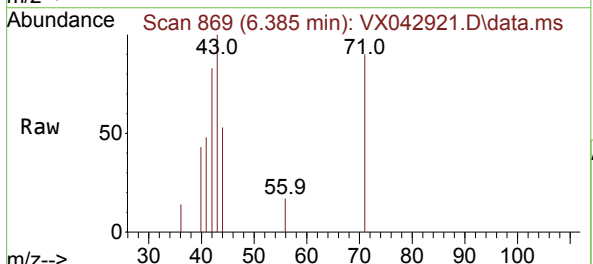
Instrument :
MSVOA_X
ClientSampleId :
S-862-K2-SO-13.5-14-072024ME



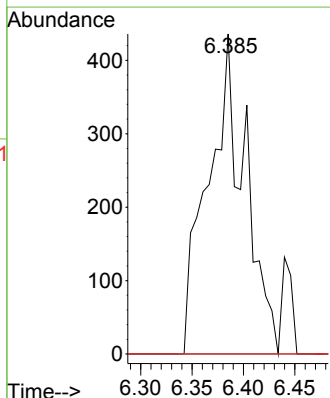
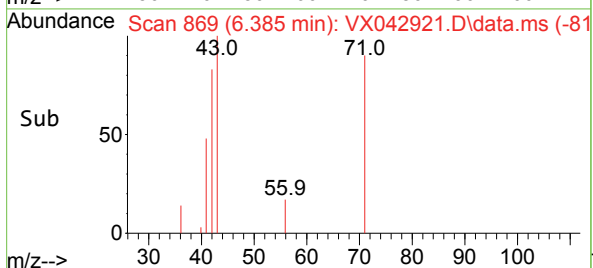
Tgt Ion:117 Resp: 14765
Ion Ratio Lower Upper
117 100
119 6.2 78.2 117.2#
121 0.0 24.4 36.6#

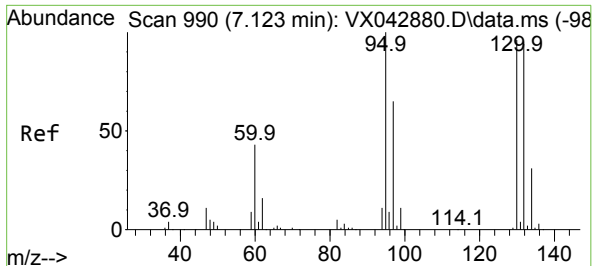


#43
Isopropyl Acetate
Concen: 0.253 ug/l
RT: 6.385 min Scan# 869
Delta R.T. 0.036 min
Lab File: VX042921.D
Acq: 07 Aug 2024 17:21



Tgt Ion: 43 Resp: 1089
Ion Ratio Lower Upper
43 100
61 0.0 15.2 22.8#
87 0.0 9.8 14.6#

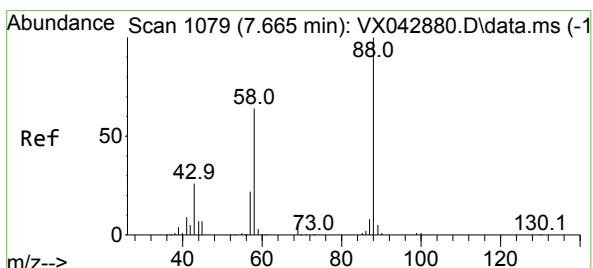
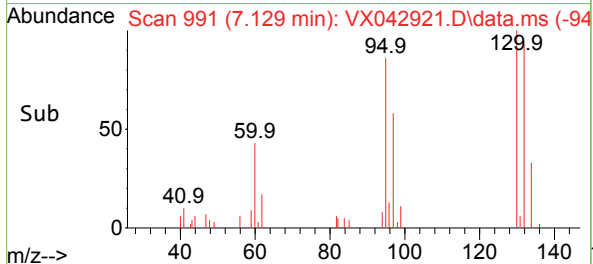
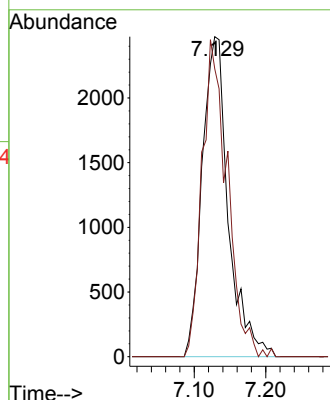
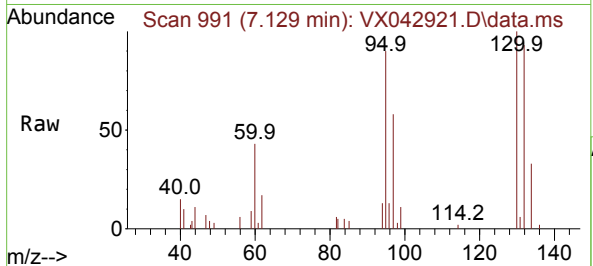




#44
Trichloroethene
Concen: 3.453 ug/l
RT: 7.129 min Scan# 991
Delta R.T. 0.006 min
Lab File: VX042921.D
Acq: 07 Aug 2024 17:21

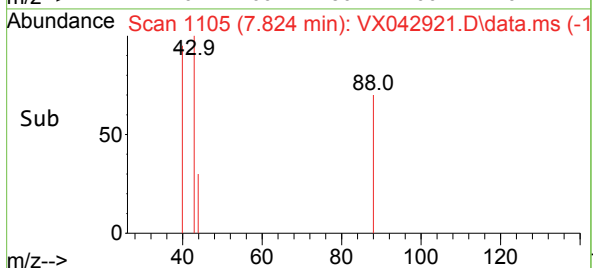
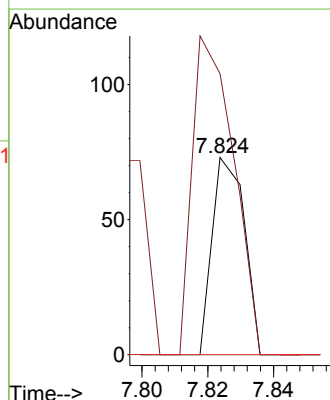
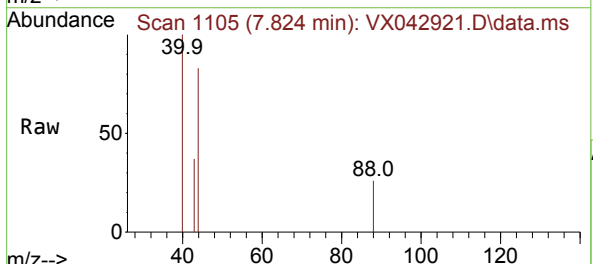
Instrument :
MSVOA_X
ClientSampleId :
S-862-K2-SO-13.5-14-072024ME

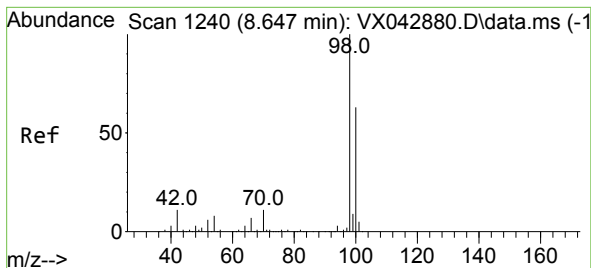
Tgt Ion:130 Resp: 6263
Ion Ratio Lower Upper
130 100
95 89.9 0.0 204.4



#49
1,4-Dioxane
Concen: 1.092 ug/l
RT: 7.824 min Scan# 1105
Delta R.T. 0.159 min
Lab File: VX042921.D
Acq: 07 Aug 2024 17:21

Tgt Ion: 88 Resp: 50
Ion Ratio Lower Upper
88 100
43 206.0 0.0 0.0#
58 0.0 60.1 90.1#





#50

Toluene-d8

Concen: 51.227 ug/l

RT: 8.647 min Scan# 11

Delta R.T. -0.000 min

Lab File: VX042921.D

Acq: 07 Aug 2024 17:21

Instrument :

MSVOA_X

ClientSampleId :

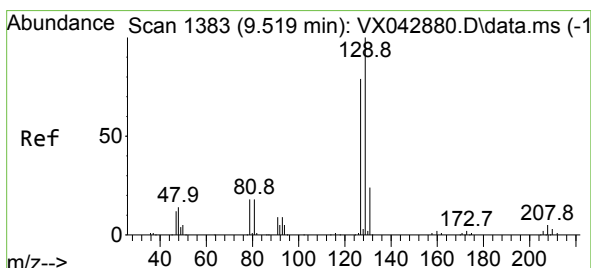
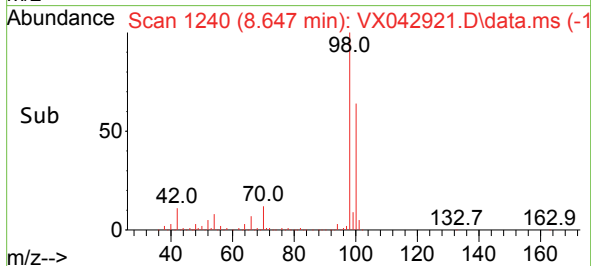
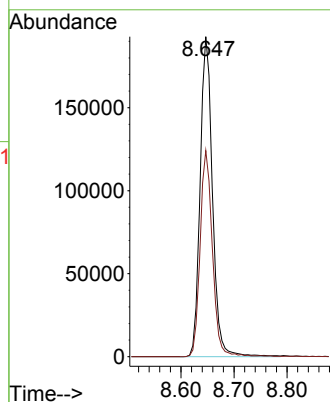
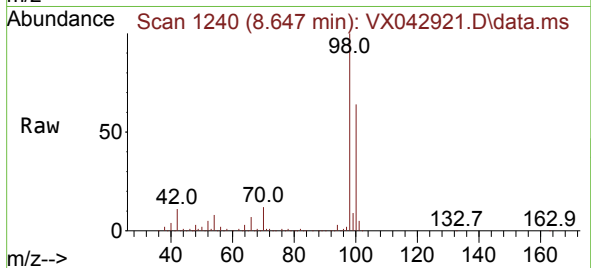
S-862-K2-SO-13.5-14-072024ME

Tgt Ion: 98 Resp: 311936

Ion Ratio Lower Upper

98 100

100 64.1 53.1 79.7



#60

Dibromochloromethane

Concen: 0.360 ug/l

RT: 9.281 min Scan# 1344

Delta R.T. -0.238 min

Lab File: VX042921.D

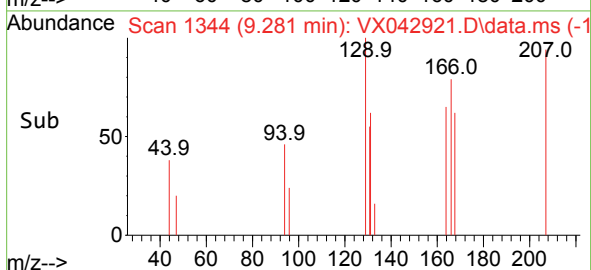
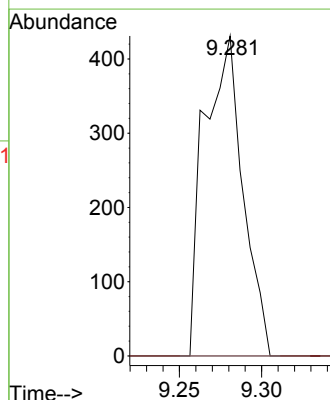
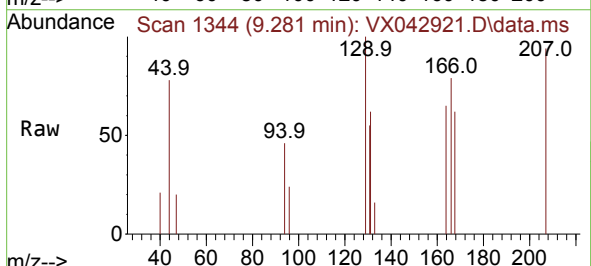
Acq: 07 Aug 2024 17:21

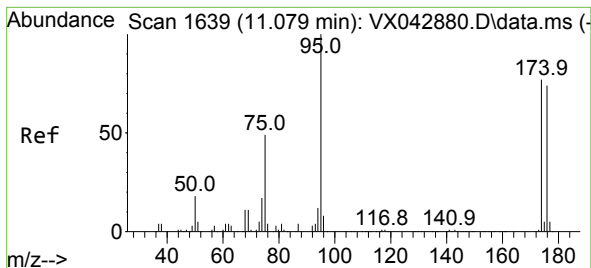
Tgt Ion: 129 Resp: 703

Ion Ratio Lower Upper

129 100

127 0.0 38.8 116.4#





#62

4-Bromofluorobenzene

Concen: 52.587 ug/l

RT: 11.079 min Scan# 1

Delta R.T. -0.000 min

Lab File: VX042921.D

Acq: 07 Aug 2024 17:21

Instrument :

MSVOA_X

ClientSampleId :

S-862-K2-SO-13.5-14-072024ME

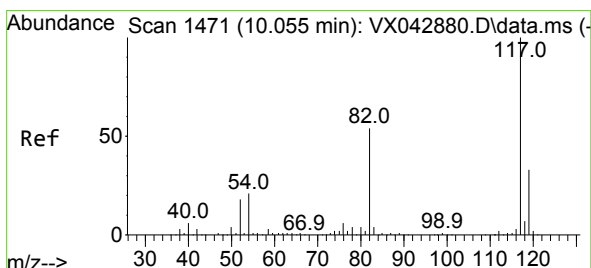
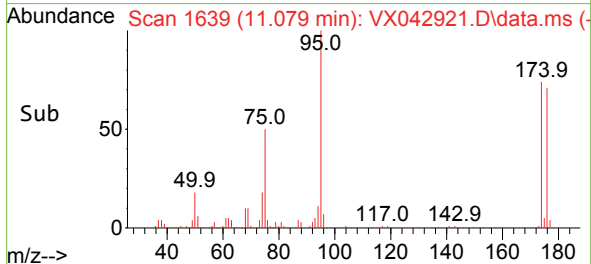
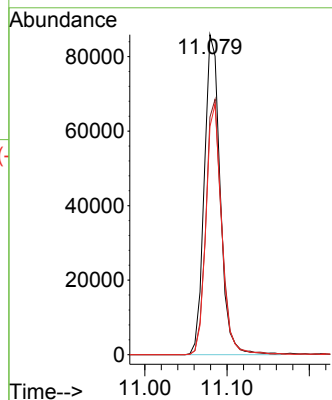
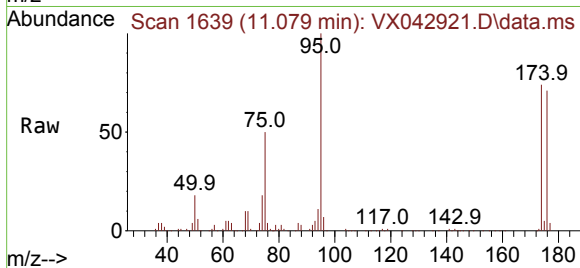
Tgt Ion: 95 Resp: 115069

Ion Ratio Lower Upper

95 100

174 79.3 0.0 135.6

176 77.7 0.0 131.0



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.055 min Scan# 1471

Delta R.T. -0.000 min

Lab File: VX042921.D

Acq: 07 Aug 2024 17:21

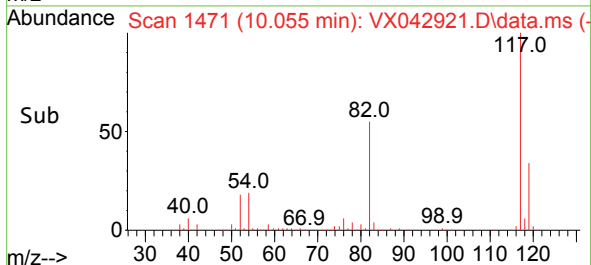
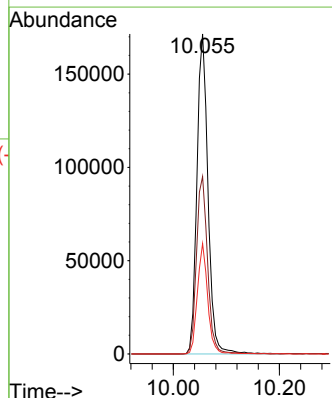
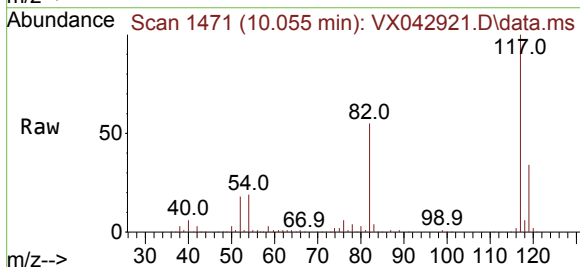
Tgt Ion: 117 Resp: 248441

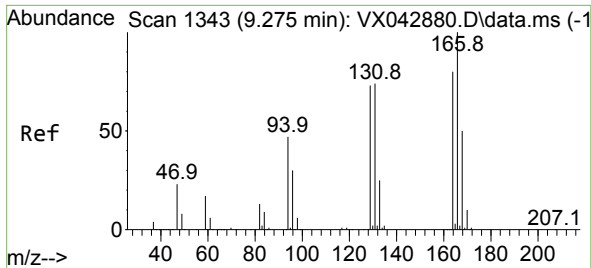
Ion Ratio Lower Upper

117 100

82 55.5 46.2 69.4

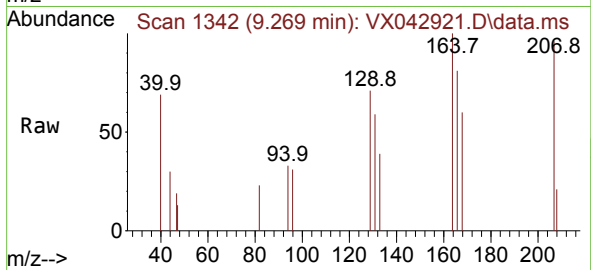
119 34.5 25.5 38.3



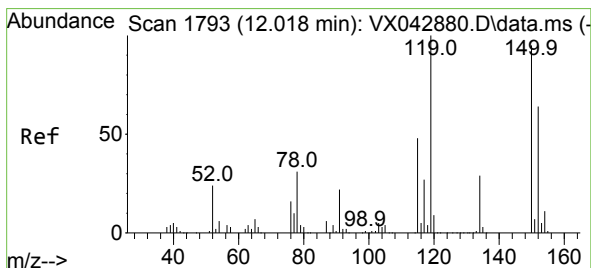
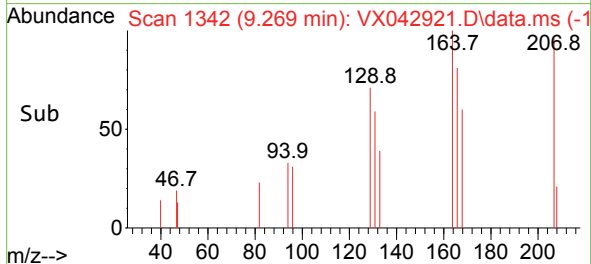
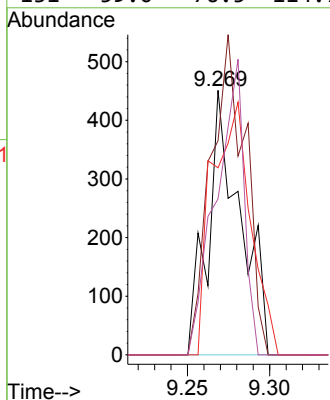


#64
Tetrachloroethene
Concen: 0.356 ug/l
RT: 9.269 min Scan# 11
Delta R.T. -0.006 min
Lab File: VX042921.D
Acq: 07 Aug 2024 17:21

Instrument :
MSVOA_X
ClientSampleId :
S-862-K2-SO-13.5-14-072024ME

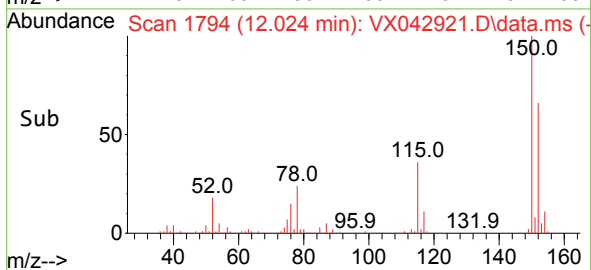
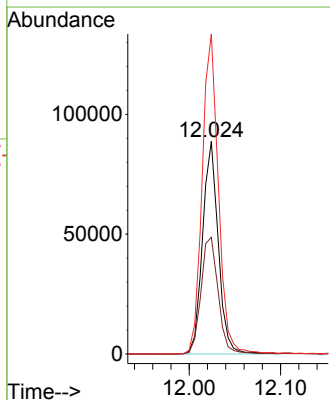
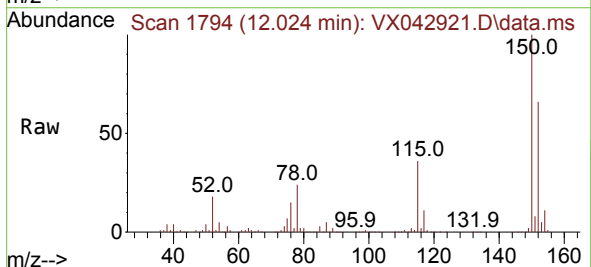


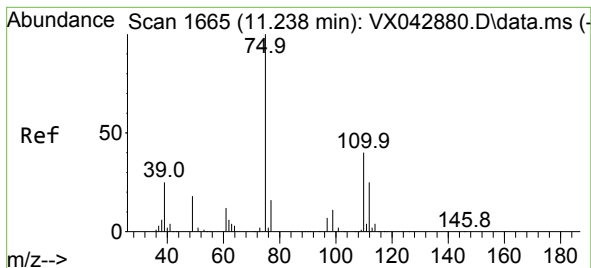
Tgt Ion:164 Resp: 615
Ion Ratio Lower Upper
164 100
166 80.9 102.7 154.1#
129 70.7 80.4 120.6#
131 59.0 76.5 114.7#



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. 0.006 min
Lab File: VX042921.D
Acq: 07 Aug 2024 17:21

Tgt Ion:152 Resp: 105951
Ion Ratio Lower Upper
152 100
115 59.9 43.3 129.9
150 155.6 0.0 345.0





#76

1,2,3-Trichloropropane

Concen: 24.381 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. -0.159 min

Lab File: VX042921.D

Acq: 07 Aug 2024 17:21

Instrument :

MSVOA_X

ClientSampleId :

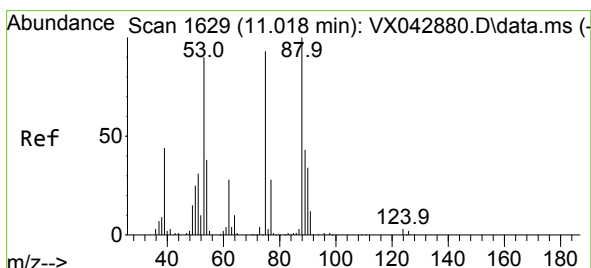
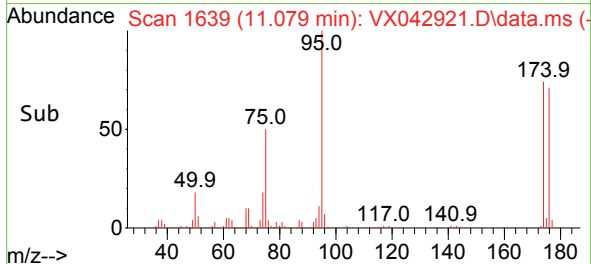
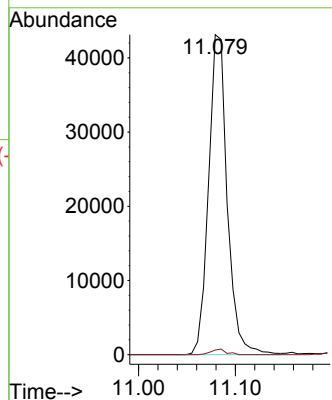
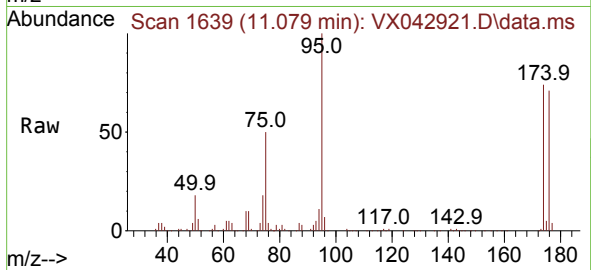
S-862-K2-SO-13.5-14-072024ME

Tgt Ion: 75 Resp: 58096

Ion Ratio Lower Upper

75 100

77 1.4 19.1 57.5#



#81

trans-1,4-Dichloro-2-butene

Concen: 79.276 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. 0.061 min

Lab File: VX042921.D

Acq: 07 Aug 2024 17:21

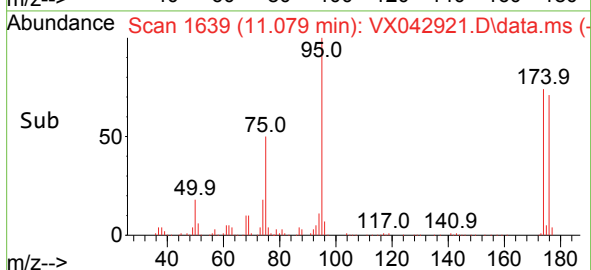
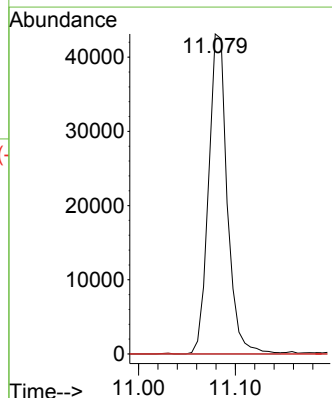
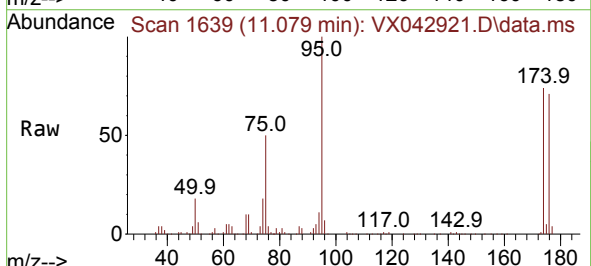
Tgt Ion: 75 Resp: 58096

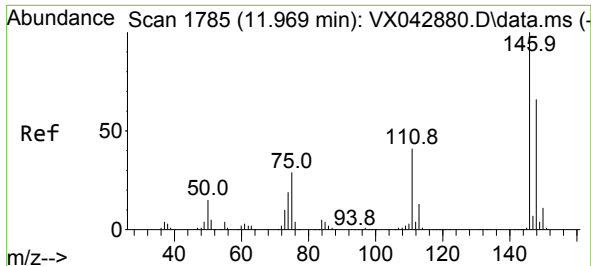
Ion Ratio Lower Upper

75 100

53 0.0 90.5 135.7#

89 0.0 36.9 55.3#

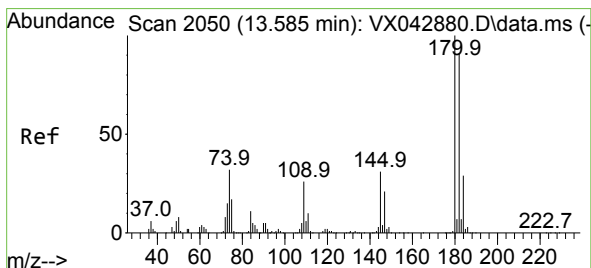
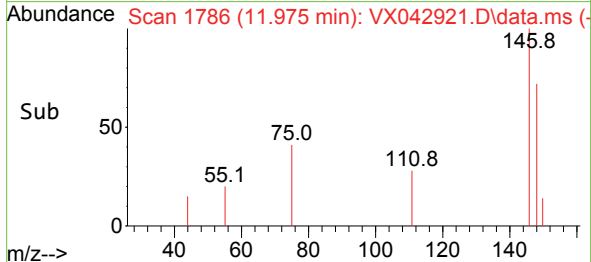
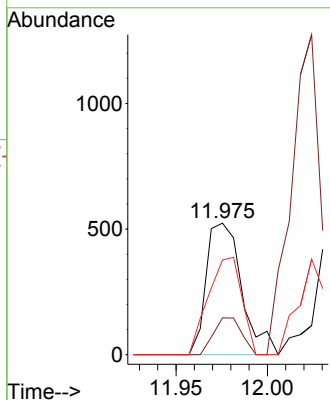
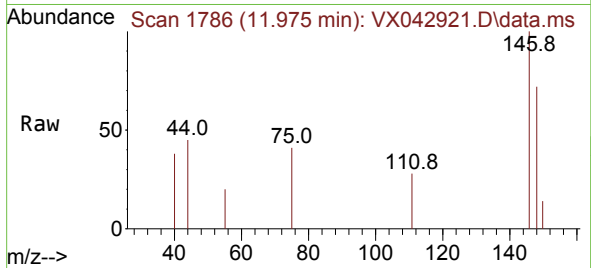




#87
1,3-Dichlorobenzene
Concen: 0.201 ug/l
RT: 11.975 min Scan# 11
Delta R.T. 0.006 min
Lab File: VX042921.D
Acq: 07 Aug 2024 17:21

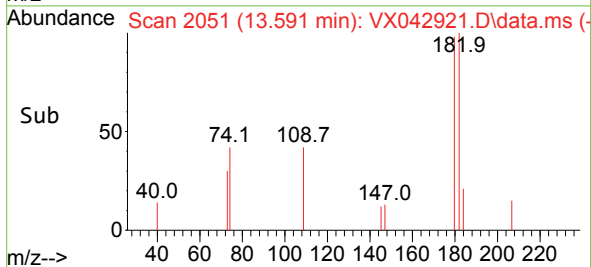
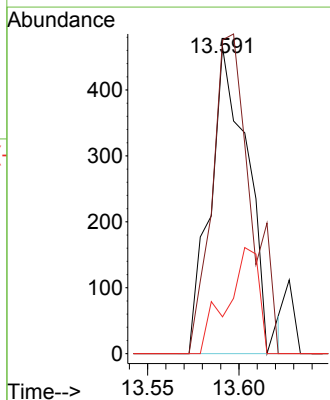
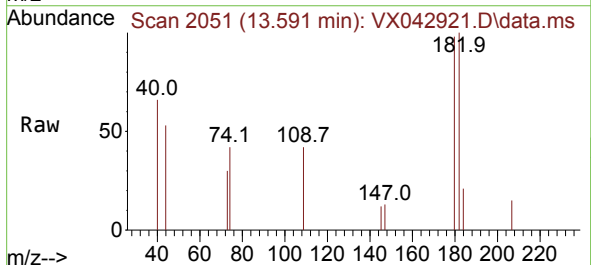
Instrument :
MSVOA_X
ClientSampleId :
S-862-K2-SO-13.5-14-072024ME

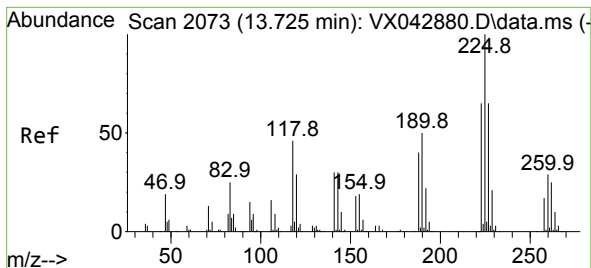
Tgt Ion:146	Resp:	710
Ion	Ratio	Lower Upper
146	100	
111	22.1	22.1 66.1
148	69.7	31.8 95.3



#93
1,2,4-Trichlorobenzene
Concen: 0.311 ug/l
RT: 13.591 min Scan# 2051
Delta R.T. 0.006 min
Lab File: VX042921.D
Acq: 07 Aug 2024 17:21

Tgt Ion:180	Resp:	670
Ion	Ratio	Lower Upper
180	100	
182	105.5	48.3 144.8
145	29.0	18.0 54.0





#94

Hexachlorobutadiene

Concen: 0.241 ug/l

RT: 13.725 min Scan# 2073

Delta R.T. -0.000 min

Lab File: VX042921.D

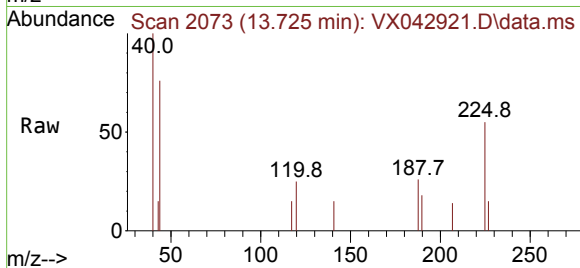
Acq: 07 Aug 2024 17:21

Instrument :

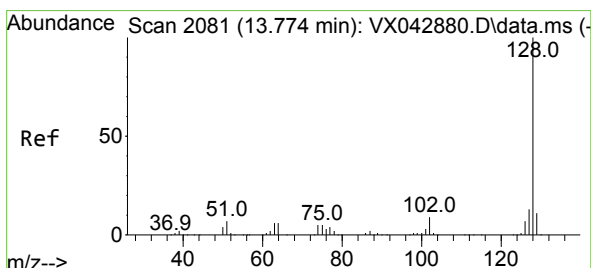
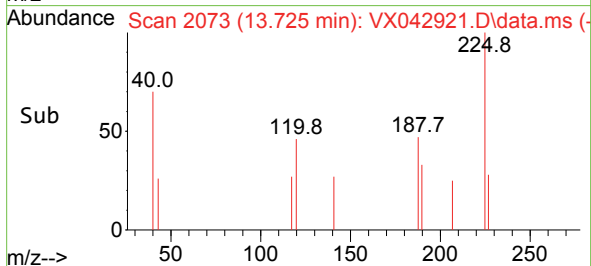
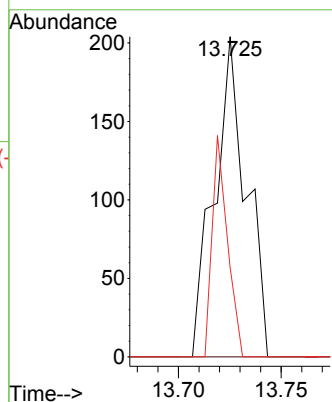
MSVOA_X

ClientSampleId :

S-862-K2-SO-13.5-14-072024ME



Tgt Ion	Ratio	Lower	Upper
225	100		
223	0.0	31.1	93.2#
227	32.7	32.5	97.5



#95

Naphthalene

Concen: 0.649 ug/l

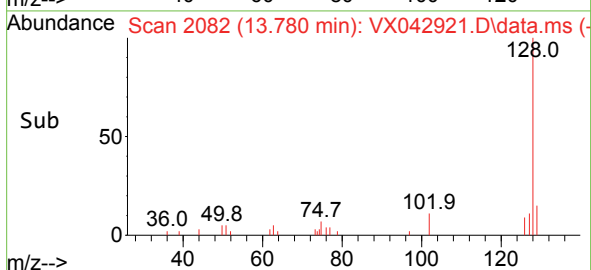
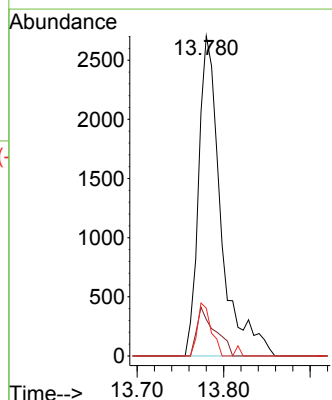
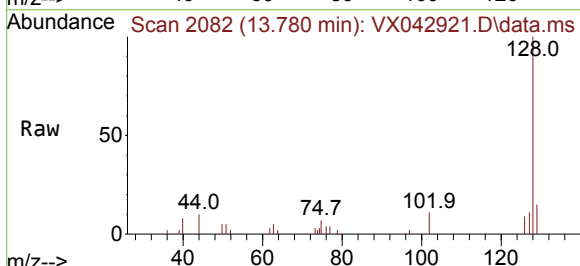
RT: 13.780 min Scan# 2082

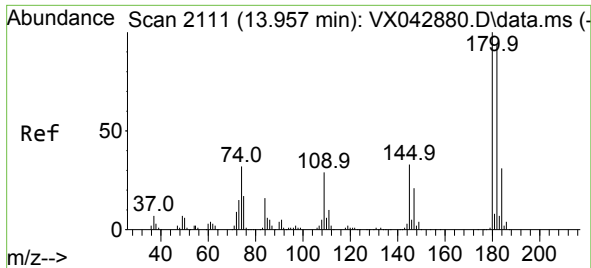
Delta R.T. 0.006 min

Lab File: VX042921.D

Acq: 07 Aug 2024 17:21

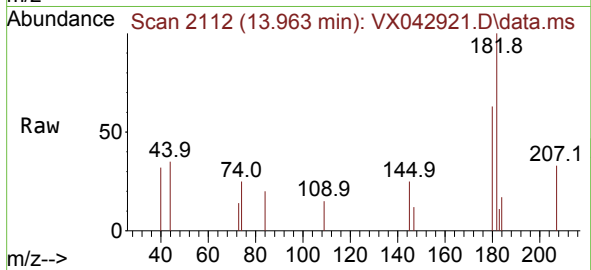
Tgt Ion	Ratio	Lower	Upper
128	100		
127	12.4	10.3	15.5
129	10.1	8.8	13.2





#96
 1,2,3-Trichlorobenzene
 Concen: 0.336 ug/l
 RT: 13.963 min Scan# 21
 Delta R.T. 0.006 min
 Lab File: VX042921.D
 Acq: 07 Aug 2024 17:21

Instrument :
 MSVOA_X
 ClientSampleId :
 S-862-K2-SO-13.5-14-072024ME



Tgt Ion:	180	Resp:	729
Ion	Ratio	Lower	Upper
180	100		
182	120.2	46.9	140.6
145	41.6	17.8	53.5

