

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX080724\
 Data File : VX042915.D
 Acq On : 07 Aug 2024 15:01
 Operator : JC/MD
 Sample : P3374-18
 Misc : 7.76g/10.0mL/100uL/5.0mL/MSVOA_X/MEOH
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 S-863-K2-SO-12.75-13.25-072024ME

Quant Time: Aug 08 02:02:03 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)

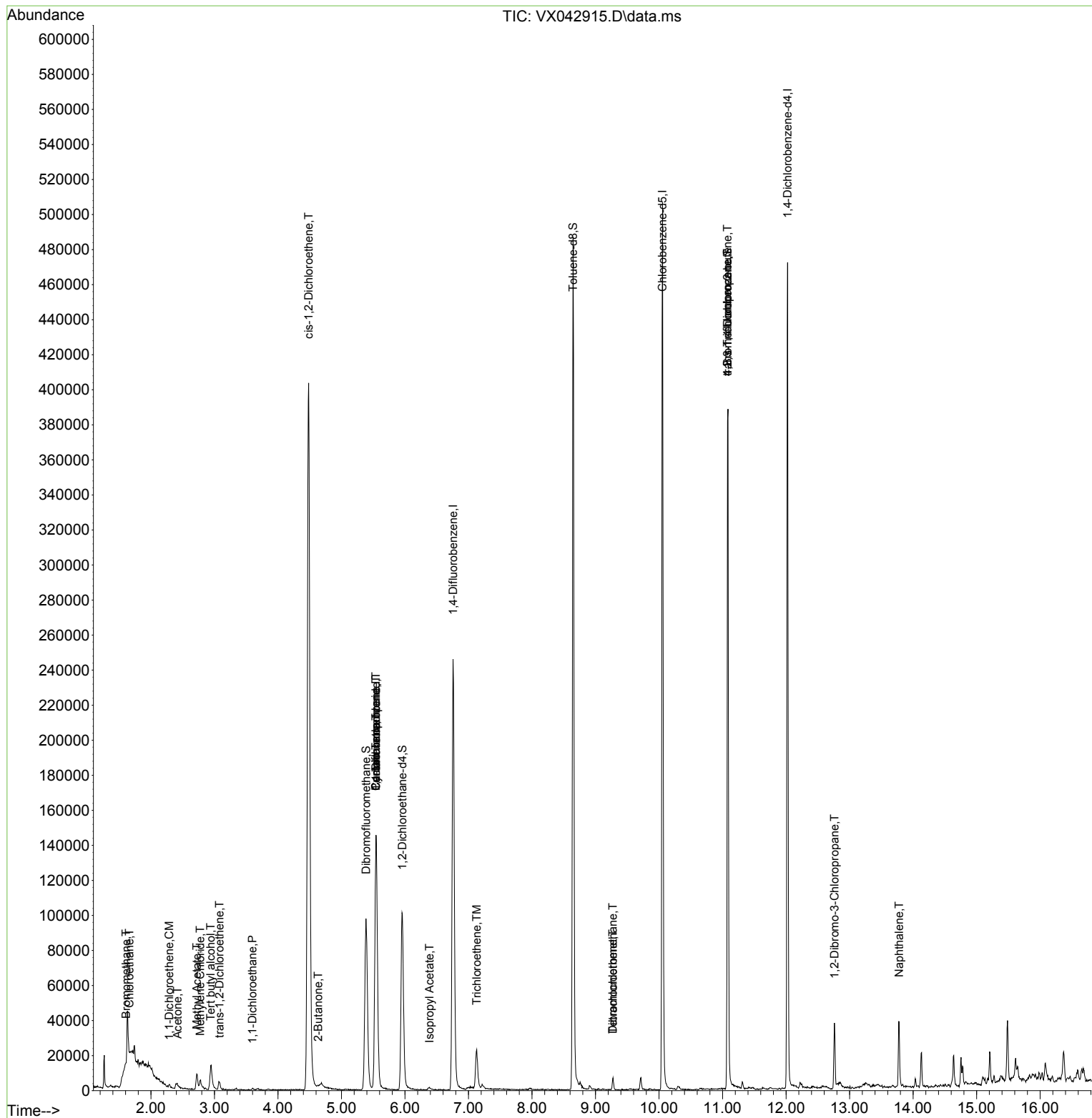
Internal Standards						
1) Pentafluorobenzene	5.544	168	138660	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	257840	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	241784	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	103794	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	108038	56.757	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	= 113.520%	
35) Dibromofluoromethane	5.385	113	88786	52.664	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 105.320%	
50) Toluene-d8	8.647	98	302574	50.556	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	= 101.120%	
62) 4-Bromofluorobenzene	11.079	95	110410	51.338	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	= 102.680%	
Target Compounds						
					Qvalue	
5) Bromomethane	1.605	94	712	0.761	ug/l #	79
6) Chloroethane	1.660	64	312	0.354	ug/l #	43
11) Tert butyl alcohol	2.940	59	8798	23.237	ug/l #	78
12) 1,1-Dichloroethene	2.288	96	639	0.418	ug/l #	90
16) Acetone	2.416	43	3029	3.669	ug/l	94
18) Methyl Acetate	2.721	43	12814	4.894	ug/l	100
20) Methylene Chloride	2.776	84	2771	0.713	ug/l #	75
21) trans-1,2-Dichloroethene	3.081	96	2060	1.340	ug/l #	65
24) 1,1-Dichloroethane	3.599	63	1045	0.358	ug/l #	83
25) 2-Butanone	4.635	43	512	0.395	ug/l #	83
27) cis-1,2-Dichloroethene	4.483	96	269191	147.622	ug/l	82
31) Cyclohexane	5.544	56	2691	1.130	ug/l #	1
36) 1,1-Dichloropropene	5.544	75	10843	4.744	ug/l #	52
38) Carbon Tetrachloride	5.544	117	14547	5.638	ug/l #	16
43) Isopropyl Acetate	6.385	43	891	0.211	ug/l #	62
44) Trichloroethene	7.129	130	9723	5.455	ug/l	87
60) Dibromochloromethane	9.275	129	1216	0.633	ug/l #	11
64) Tetrachloroethene	9.275	164	1259	0.749	ug/l #	59
76) 1,2,3-Trichloropropane	11.079	75	55745	23.881	ug/l #	39
81) trans-1,4-Dichloro-2-b...	11.079	75	55745	77.649	ug/l #	5
92) 1,2-Dibromo-3-Chloropr...	12.762	75	906	1.500	ug/l #	30
95) Naphthalene	13.780	128	28206	3.863	ug/l	98

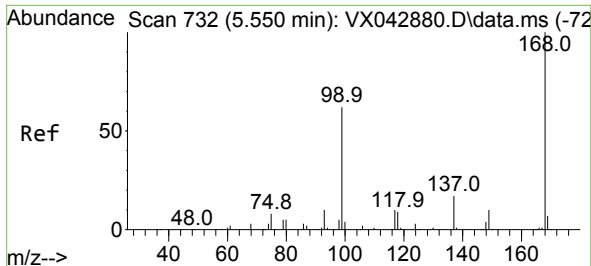
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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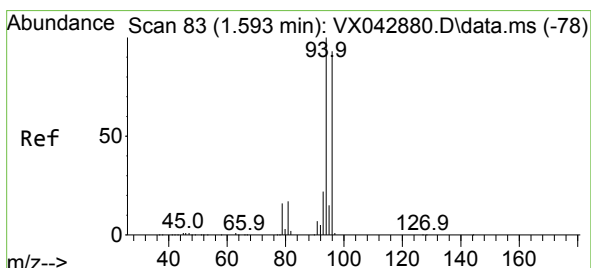
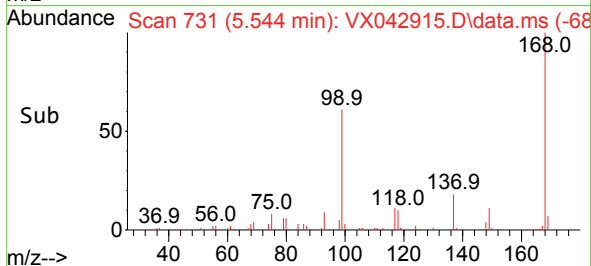
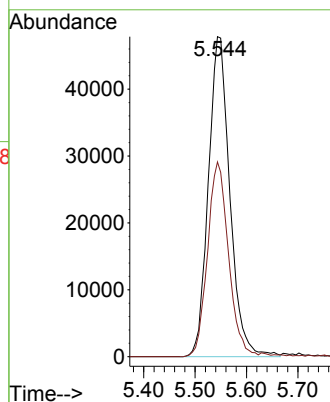
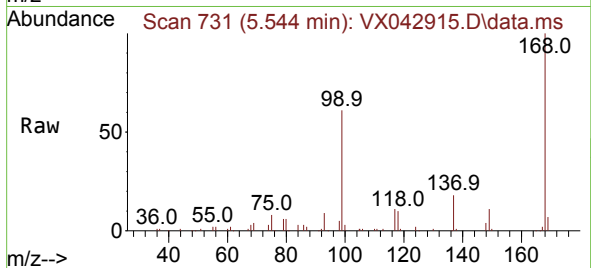




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.544 min Scan# 71
Delta R.T. -0.006 min
Lab File: VX042915.D
Acq: 07 Aug 2024 15:01

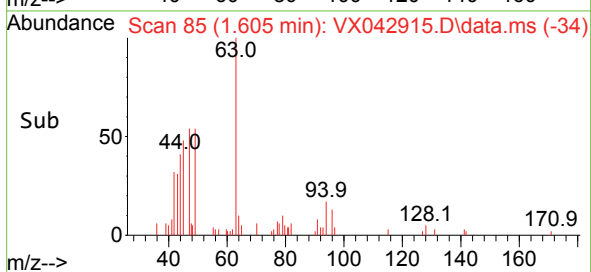
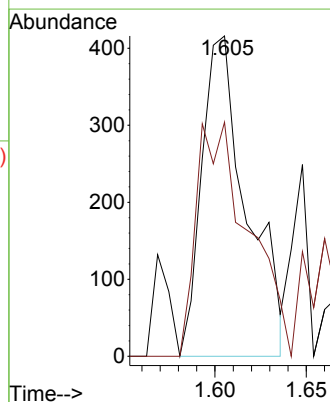
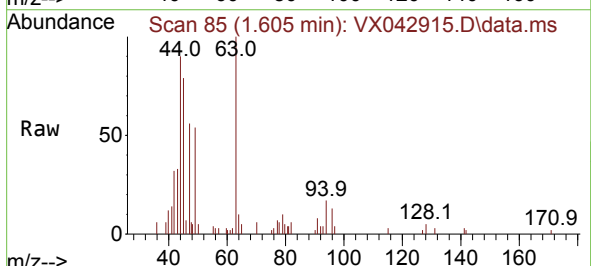
Instrument :
MSVOA_X
ClientSampleId :
S-863-K2-SO-12.75-13.25-072024ME

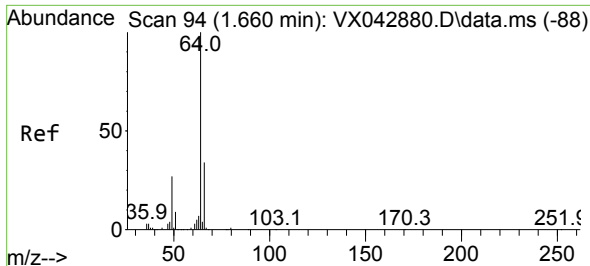
Tgt Ion:168 Resp: 138660
Ion Ratio Lower Upper
168 100
99 60.9 56.6 85.0



#5
Bromomethane
Concen: 0.761 ug/l
RT: 1.605 min Scan# 85
Delta R.T. 0.012 min
Lab File: VX042915.D
Acq: 07 Aug 2024 15:01

Tgt Ion: 94 Resp: 712
Ion Ratio Lower Upper
94 100
96 73.1 74.6 111.8#

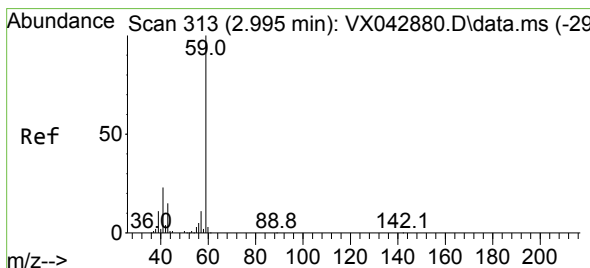
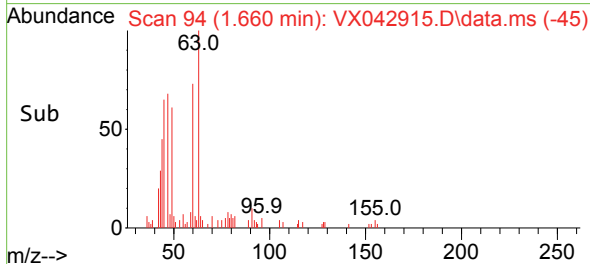
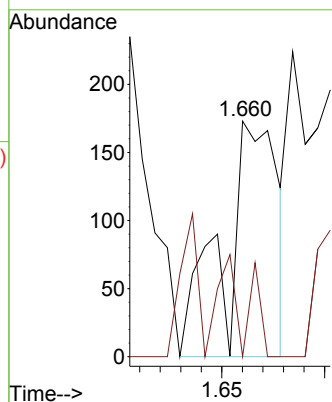
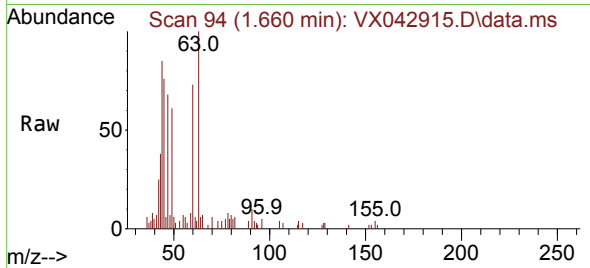




#6
Chloroethane
Concen: 0.354 ug/l
RT: 1.660 min Scan# 94
Delta R.T. -0.000 min
Lab File: VX042915.D
Acq: 07 Aug 2024 15:01

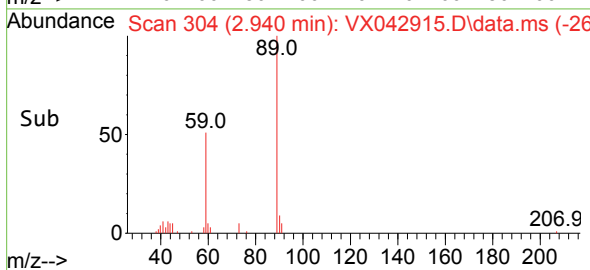
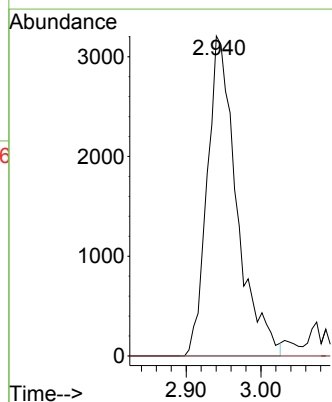
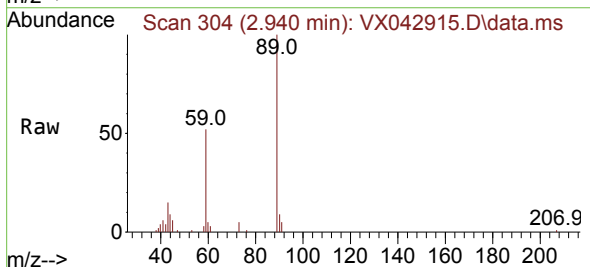
Instrument :
MSVOA_X
ClientSampleId :
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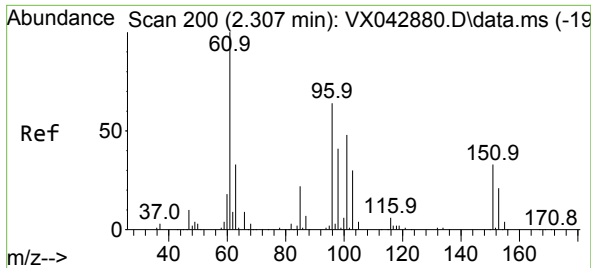
Tgt Ion: 64 Resp: 312
Ion Ratio Lower Upper
64 100
66 0.0 25.1 37.7#



#11
Tert butyl alcohol
Concen: 23.237 ug/l
RT: 2.940 min Scan# 304
Delta R.T. -0.055 min
Lab File: VX042915.D
Acq: 07 Aug 2024 15:01

Tgt Ion: 59 Resp: 8798
Ion Ratio Lower Upper
59 100
57 0.0 6.0 9.0#

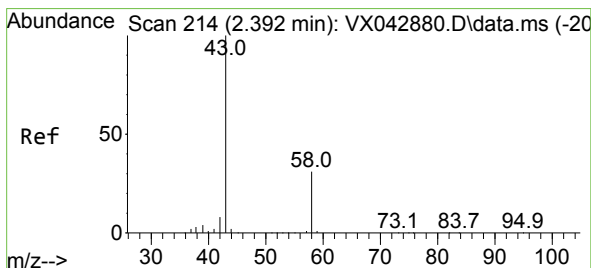
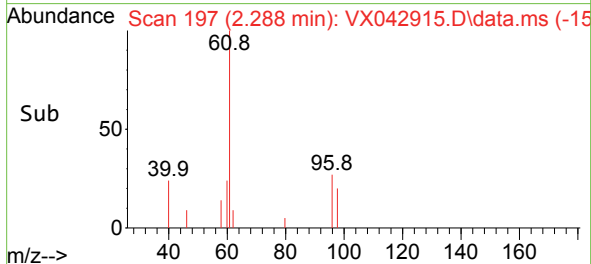
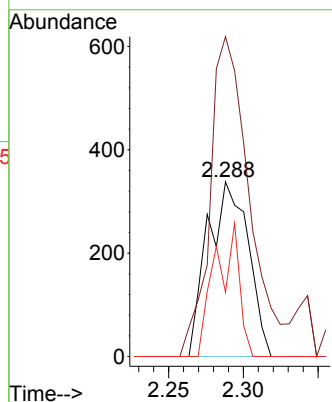
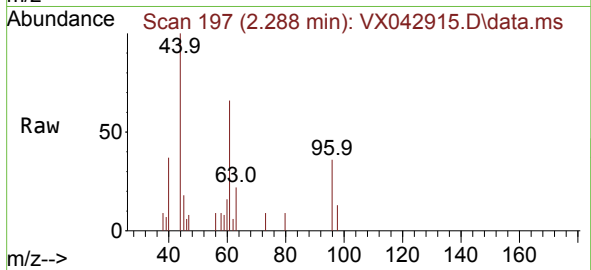




#12
1,1-Dichloroethene
Concen: 0.418 ug/l
RT: 2.288 min Scan# 197
Delta R.T. -0.019 min
Lab File: VX042915.D
Acq: 07 Aug 2024 15:01

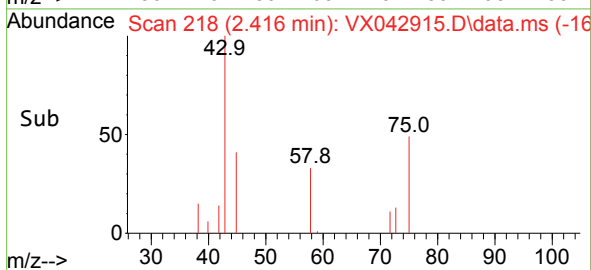
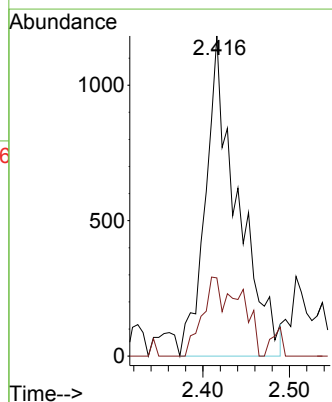
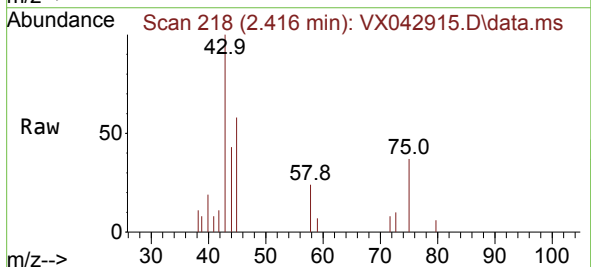
Instrument : MSVOA_X
ClientSampleId : S-863-K2-SO-12.75-13.25-072024ME

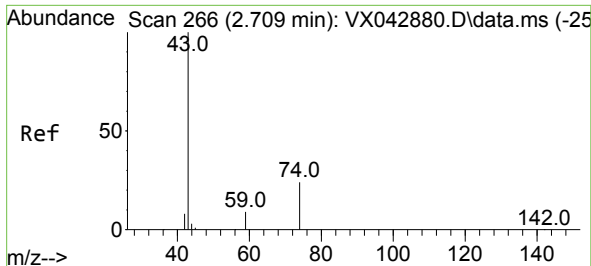
Tgt Ion: 96 Resp: 639
Ion Ratio Lower Upper
96 100
61 183.1 144.6 216.8
98 36.7 50.4 75.6#



#16
Acetone
Concen: 3.669 ug/l
RT: 2.416 min Scan# 218
Delta R.T. 0.024 min
Lab File: VX042915.D
Acq: 07 Aug 2024 15:01

Tgt Ion: 43 Resp: 3029
Ion Ratio Lower Upper
43 100
58 24.5 21.9 32.9

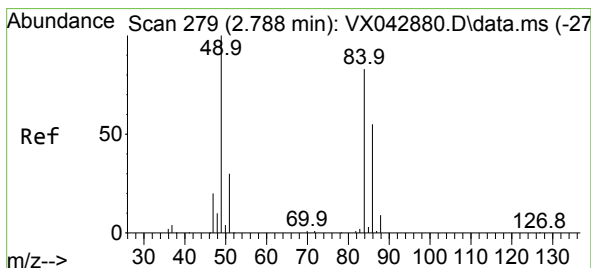
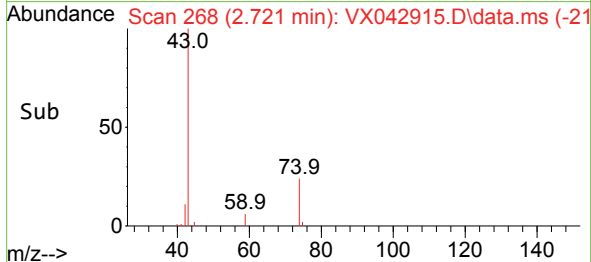
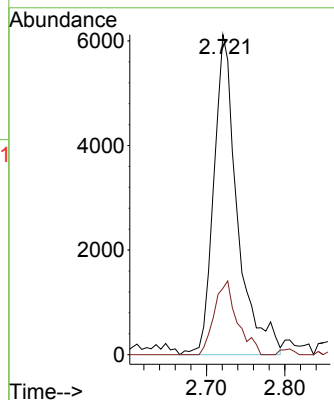
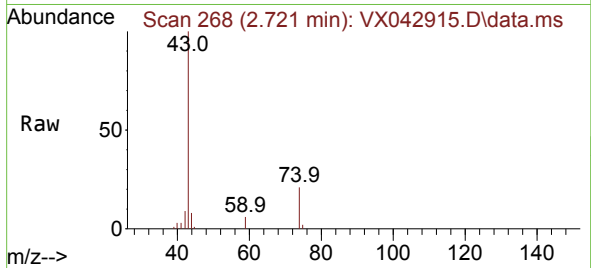




#18
Methyl Acetate
Concen: 4.894 ug/l
RT: 2.721 min Scan# 20
Delta R.T. 0.012 min
Lab File: VX042915.D
Acq: 07 Aug 2024 15:01

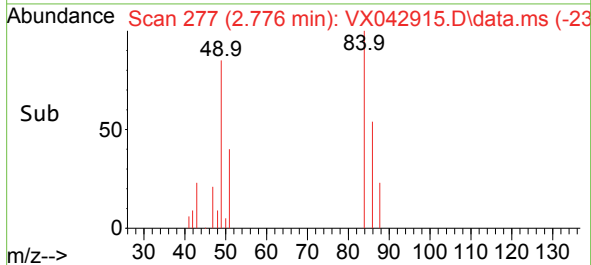
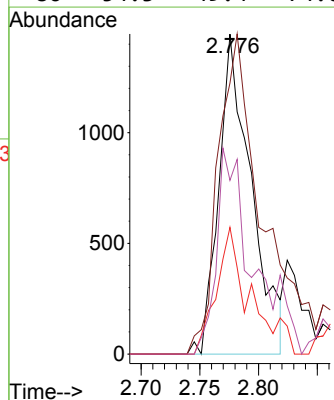
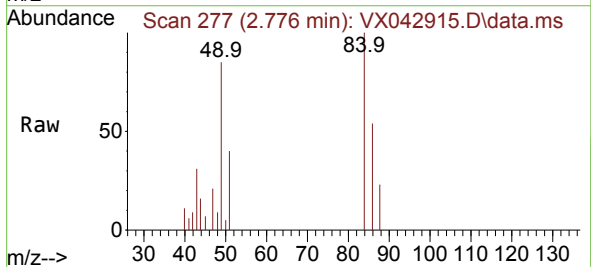
Instrument :
MSVOA_X
ClientSampleId :
S-863-K2-SO-12.75-13.25-072024ME

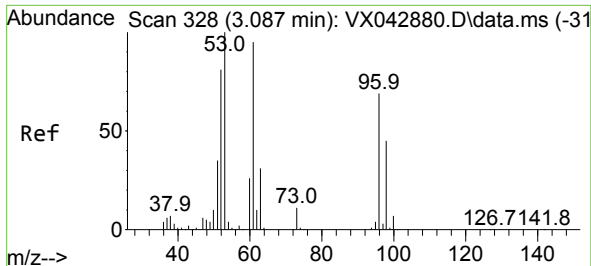
Tgt Ion: 43 Resp: 12814
Ion Ratio Lower Upper
43 100
74 22.4 17.8 26.8



#20
Methylene Chloride
Concen: 0.713 ug/l
RT: 2.776 min Scan# 277
Delta R.T. -0.012 min
Lab File: VX042915.D
Acq: 07 Aug 2024 15:01

Tgt Ion: 84 Resp: 2771
Ion Ratio Lower Upper
84 100
49 84.7 103.6 155.4#
51 39.6 33.8 50.6
86 54.3 49.4 74.0

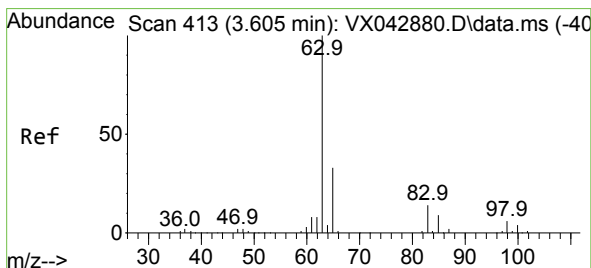
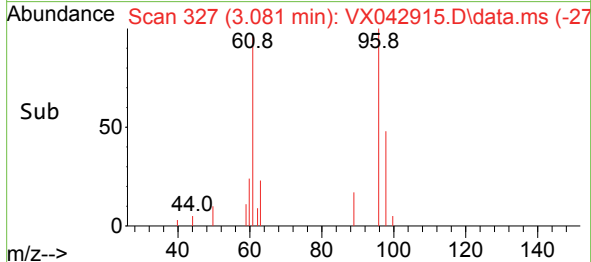
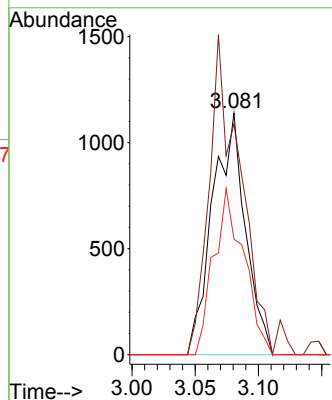
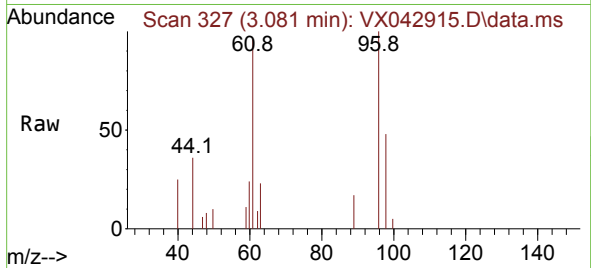




#21
trans-1,2-Dichloroethene
Concen: 1.340 ug/l
RT: 3.081 min Scan# 31
Delta R.T. -0.006 min
Lab File: VX042915.D
Acq: 07 Aug 2024 15:01

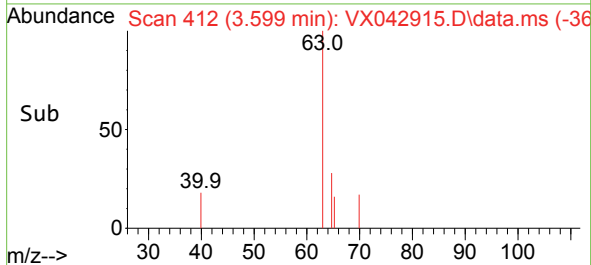
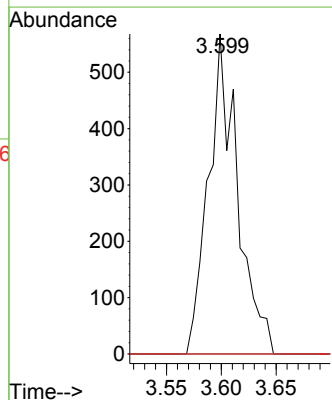
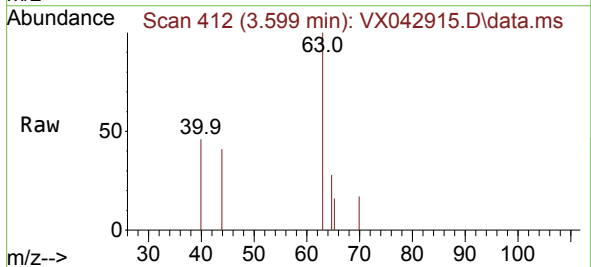
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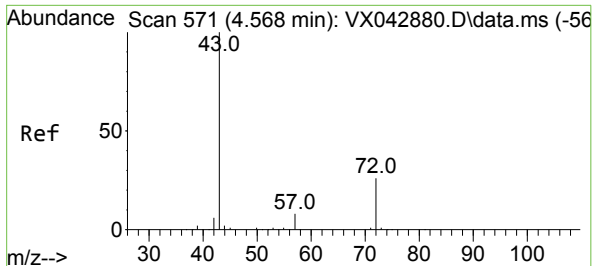
Tgt Ion: 96 Resp: 2060
Ion Ratio Lower Upper
96 100
61 95.5 119.2 178.8#
98 47.8 48.7 73.1#



#24
1,1-Dichloroethane
Concen: 0.358 ug/l
RT: 3.599 min Scan# 412
Delta R.T. -0.006 min
Lab File: VX042915.D
Acq: 07 Aug 2024 15:01

Tgt Ion: 63 Resp: 1045
Ion Ratio Lower Upper
63 100
98 0.0 3.3 9.8#
100 0.0 2.1 6.5#

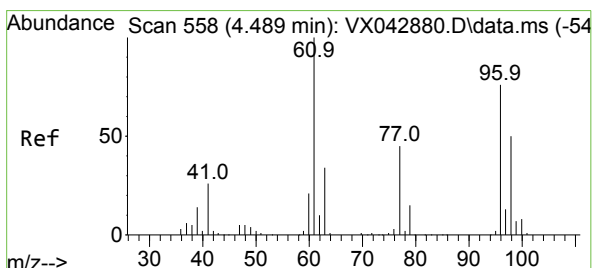
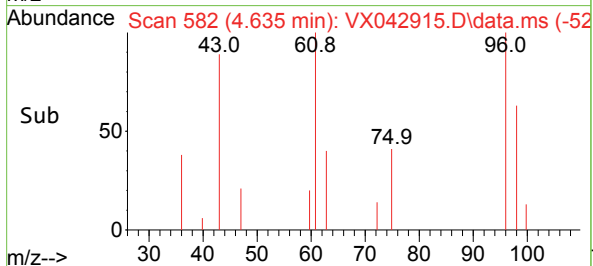
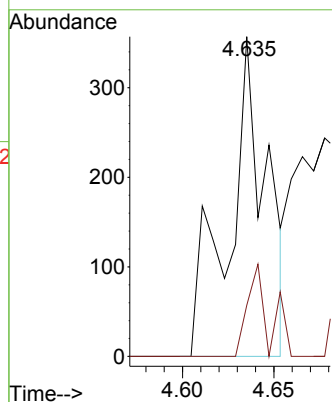
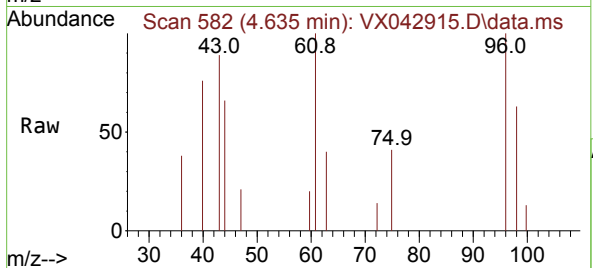




#25
2-Butanone
Concen: 0.395 ug/l
RT: 4.635 min Scan# 512
Delta R.T. 0.067 min
Lab File: VX042915.D
Acq: 07 Aug 2024 15:01

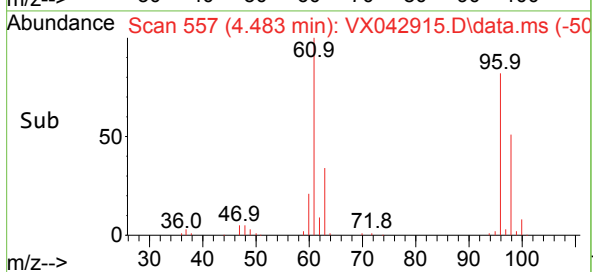
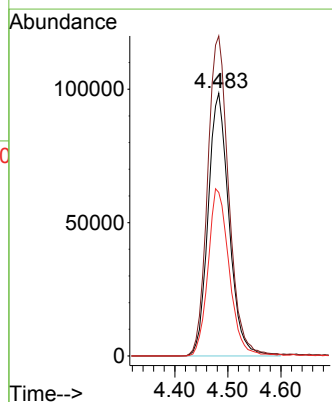
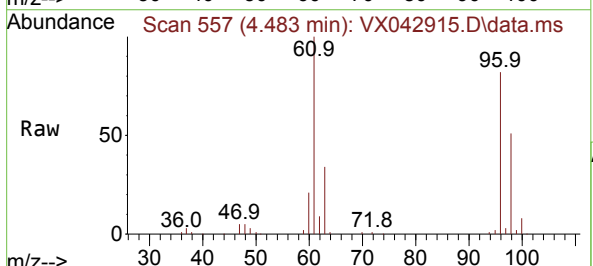
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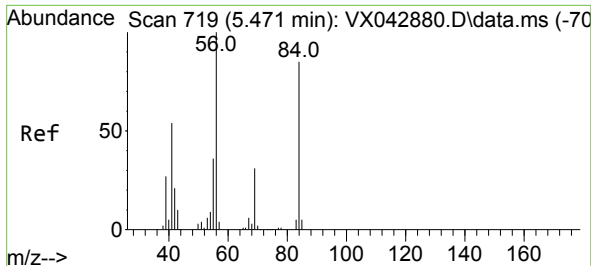
Tgt Ion: 43 Resp: 512
Ion Ratio Lower Upper
43 100
72 16.0 19.4 29.2#



#27
cis-1,2-Dichloroethene
Concen: 147.622 ug/l
RT: 4.483 min Scan# 557
Delta R.T. -0.006 min
Lab File: VX042915.D
Acq: 07 Aug 2024 15:01

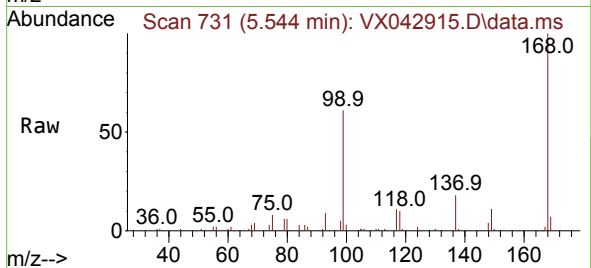
Tgt Ion: 96 Resp: 269191
Ion Ratio Lower Upper
96 100
61 123.8 0.0 312.2
98 64.5 0.0 129.0



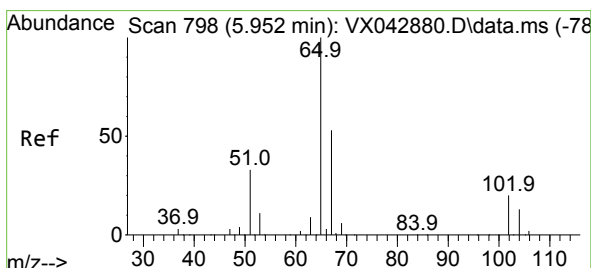
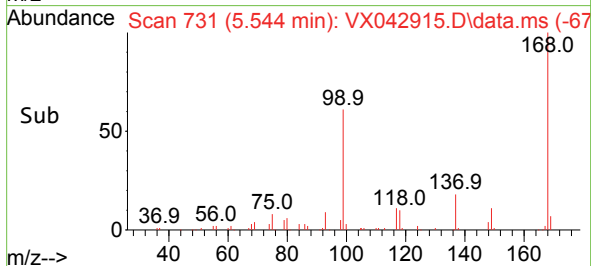
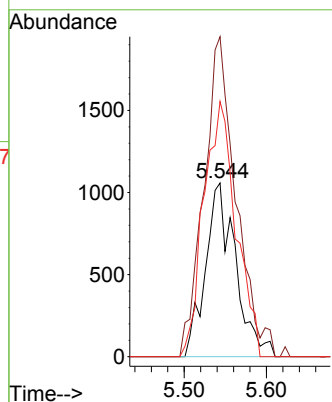


#31
Cyclohexane
Concen: 1.130 ug/l
RT: 5.544 min Scan# 719
Delta R.T. 0.073 min
Lab File: VX042915.D
Acq: 07 Aug 2024 15:01

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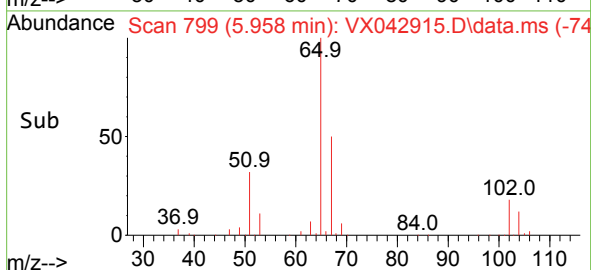
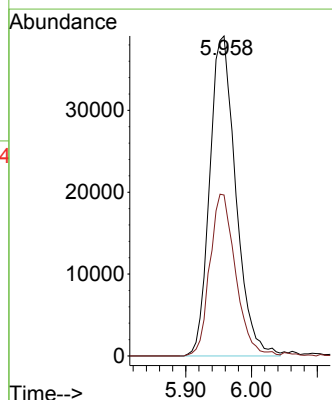
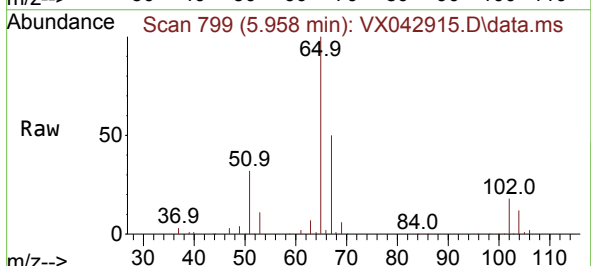


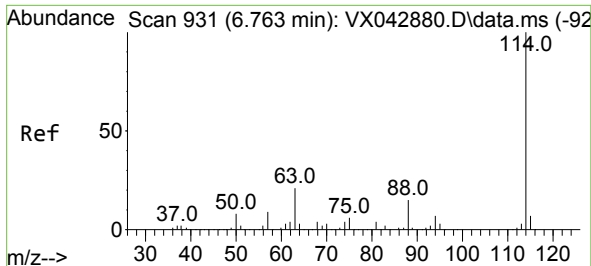
Tgt Ion: 56 Resp: 2691
Ion Ratio Lower Upper
56 100
69 184.0 23.4 35.2#
84 146.7 65.9 98.9#



#33
1,2-Dichloroethane-d4
Concen: 56.757 ug/l
RT: 5.958 min Scan# 799
Delta R.T. 0.006 min
Lab File: VX042915.D
Acq: 07 Aug 2024 15:01

Tgt Ion: 65 Resp: 108038
Ion Ratio Lower Upper
65 100
67 49.7 0.0 100.2

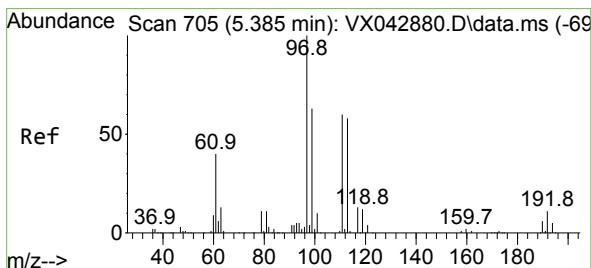
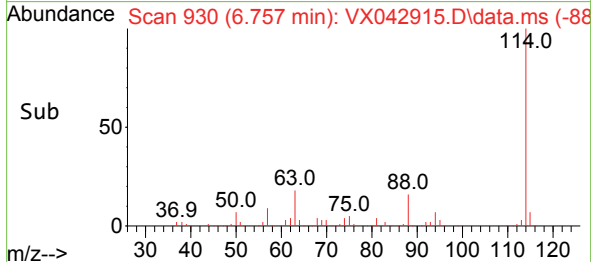
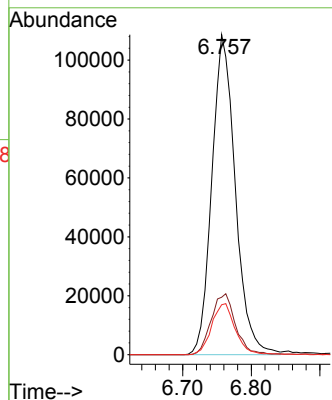
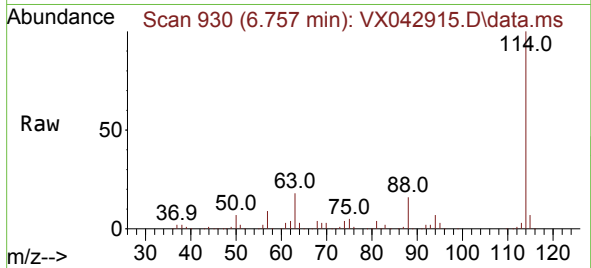




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.757 min Scan# 91
Delta R.T. -0.006 min
Lab File: VX042915.D
Acq: 07 Aug 2024 15:01

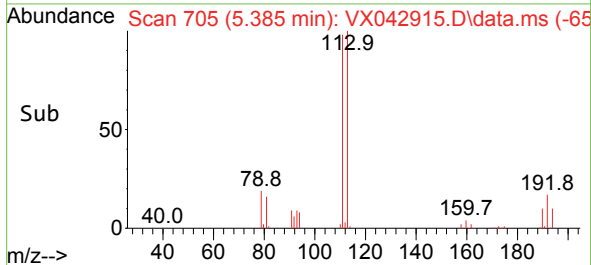
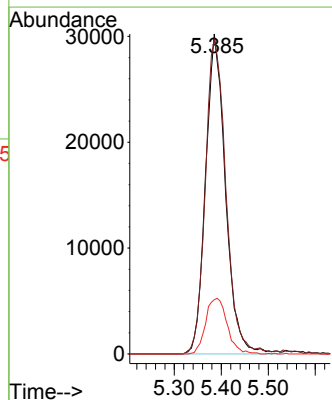
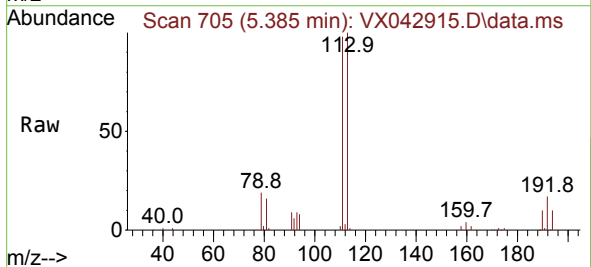
Instrument :
MSVOA_X
ClientSampleId :
S-863-K2-SO-12.75-13.25-072024ME

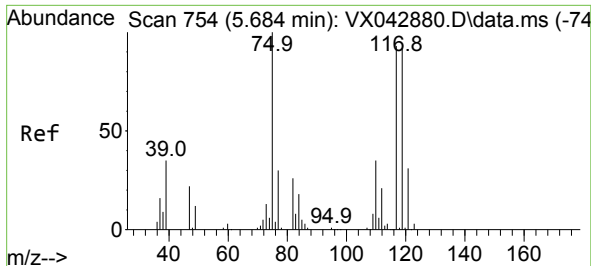
Tgt Ion:114 Resp: 257840
Ion Ratio Lower Upper
114 100
63 17.9 0.0 45.0
88 15.6 0.0 36.6



#35
Dibromofluoromethane
Concen: 52.664 ug/l
RT: 5.385 min Scan# 705
Delta R.T. -0.000 min
Lab File: VX042915.D
Acq: 07 Aug 2024 15:01

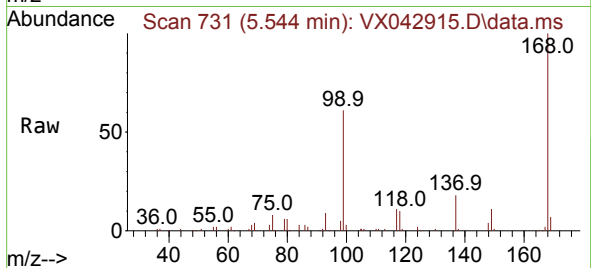
Tgt Ion:113 Resp: 88786
Ion Ratio Lower Upper
113 100
111 101.8 82.9 124.3
192 18.8 13.3 19.9



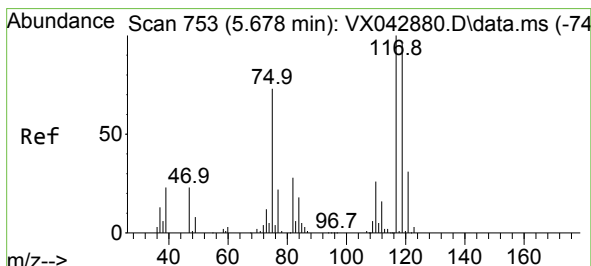
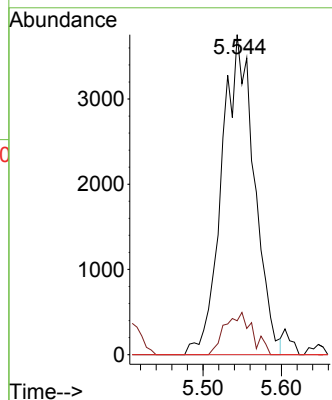
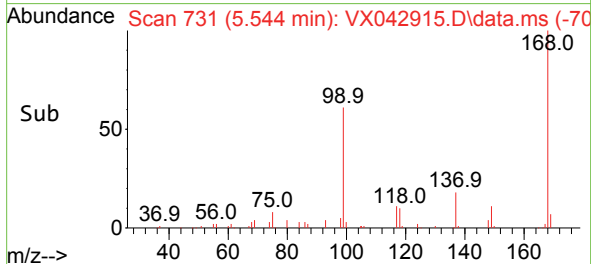


#36
1,1-Dichloropropene
Concen: 4.744 ug/l
RT: 5.544 min Scan# 71
Delta R.T. -0.140 min
Lab File: VX042915.D
Acq: 07 Aug 2024 15:01

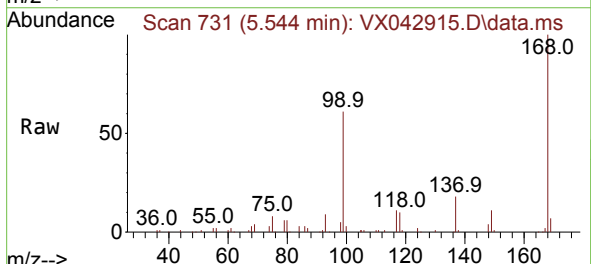
Instrument :
MSVOA_X
ClientSampleId :
S-863-K2-SO-12.75-13.25-072024ME



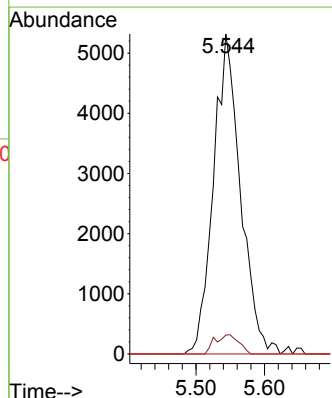
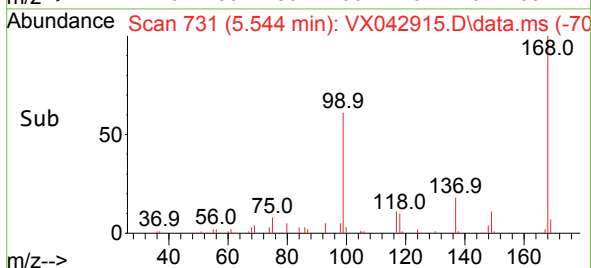
Tgt Ion: 75 Resp: 10843
Ion Ratio Lower Upper
75 100
110 11.2 17.0 50.9#
77 0.0 24.7 37.1#

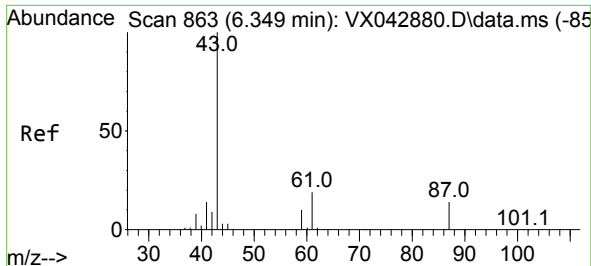


#38
Carbon Tetrachloride
Concen: 5.638 ug/l
RT: 5.544 min Scan# 731
Delta R.T. -0.134 min
Lab File: VX042915.D
Acq: 07 Aug 2024 15:01



Tgt Ion: 117 Resp: 14547
Ion Ratio Lower Upper
117 100
119 5.9 78.2 117.2#
121 0.0 24.4 36.6#





#43

Isopropyl Acetate

Concen: 0.211 ug/l

RT: 6.385 min Scan# 8

Delta R.T. 0.036 min

Lab File: VX042915.D

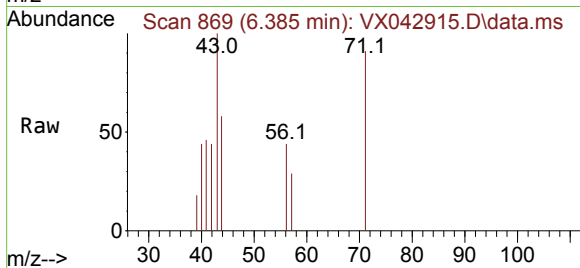
Acq: 07 Aug 2024 15:01

Instrument :

MSVOA_X

ClientSampleId :

S-863-K2-SO-12.75-13.25-072024ME



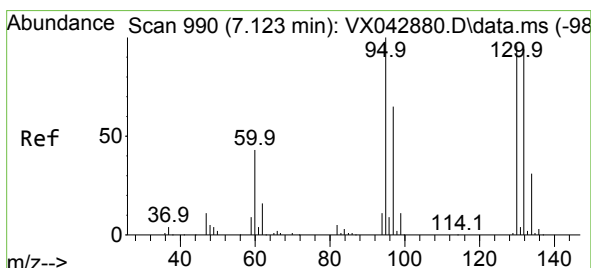
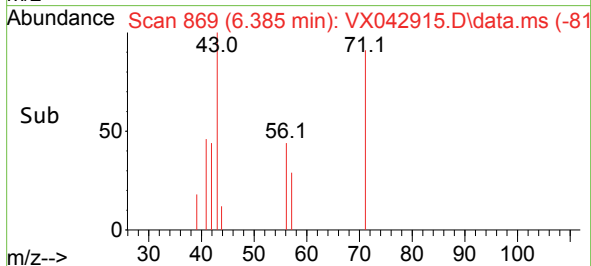
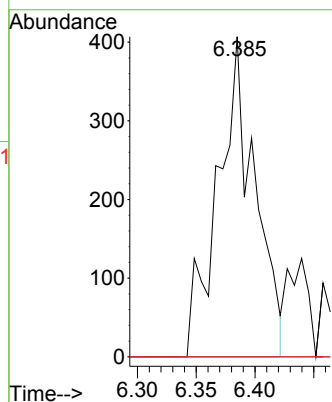
Tgt Ion: 43 Resp: 891

Ion Ratio Lower Upper

43 100

61 0.0 15.2 22.8#

87 0.0 9.8 14.6#



#44

Trichloroethene

Concen: 5.455 ug/l

RT: 7.129 min Scan# 991

Delta R.T. 0.006 min

Lab File: VX042915.D

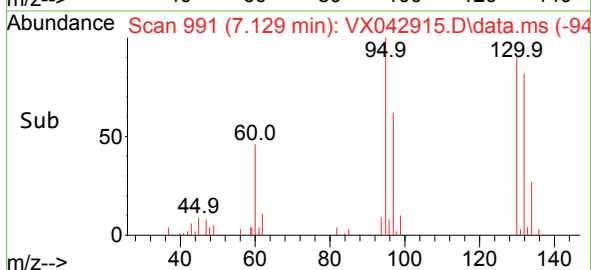
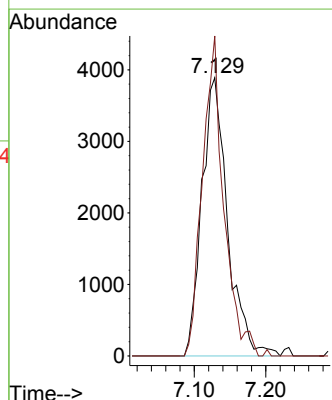
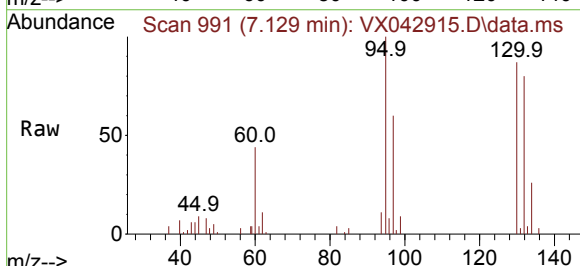
Acq: 07 Aug 2024 15:01

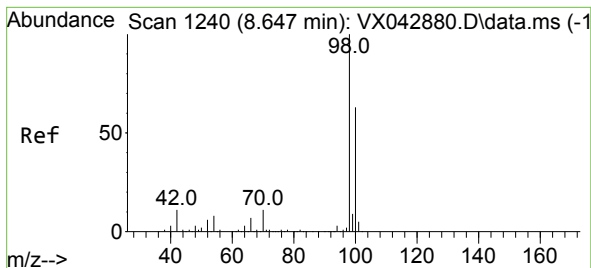
Tgt Ion:130 Resp: 9723

Ion Ratio Lower Upper

130 100

95 115.0 0.0 204.4





#50

Toluene-d8

Concen: 50.556 ug/l

RT: 8.647 min Scan# 11

Delta R.T. -0.000 min

Lab File: VX042915.D

Acq: 07 Aug 2024 15:01

Instrument :

MSVOA_X

ClientSampleId :

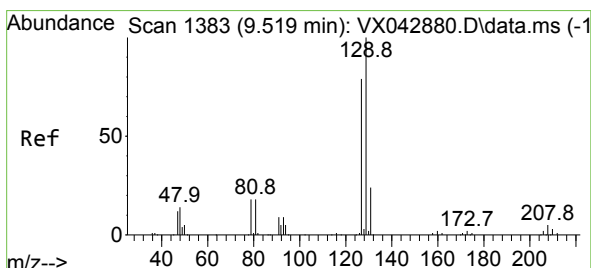
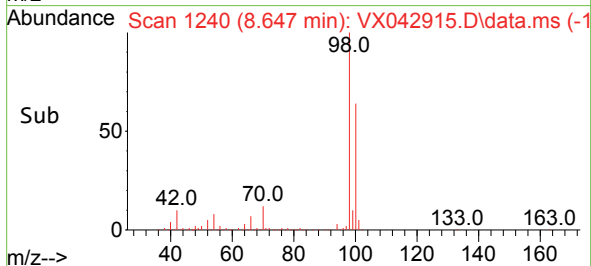
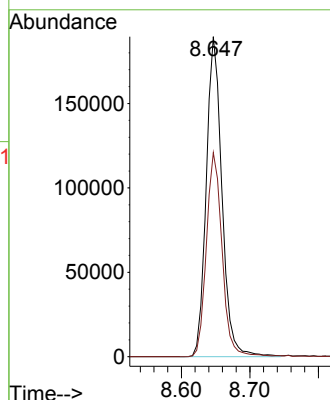
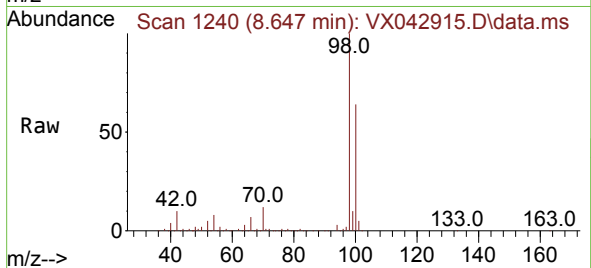
S-863-K2-SO-12.75-13.25-072024ME

Tgt Ion: 98 Resp: 302574

Ion Ratio Lower Upper

98 100

100 63.7 53.1 79.7



#60

Dibromochloromethane

Concen: 0.633 ug/l

RT: 9.275 min Scan# 1343

Delta R.T. -0.244 min

Lab File: VX042915.D

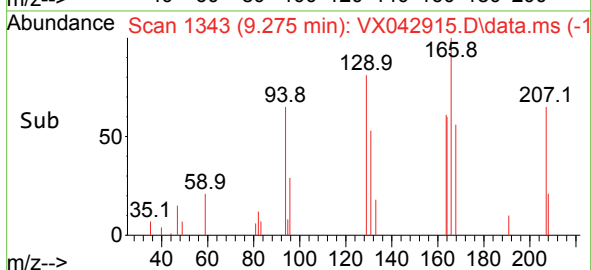
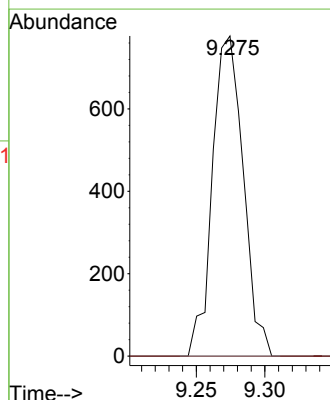
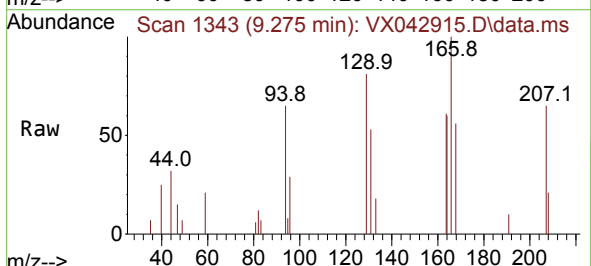
Acq: 07 Aug 2024 15:01

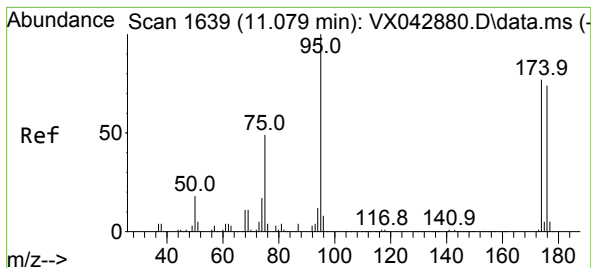
Tgt Ion: 129 Resp: 1216

Ion Ratio Lower Upper

129 100

127 0.0 38.8 116.4#





#62

4-Bromofluorobenzene

Concen: 51.338 ug/l

RT: 11.079 min Scan# 1

Delta R.T. -0.000 min

Lab File: VX042915.D

Acq: 07 Aug 2024 15:01

Instrument :

MSVOA_X

ClientSampleId :

S-863-K2-SO-12.75-13.25-072024ME

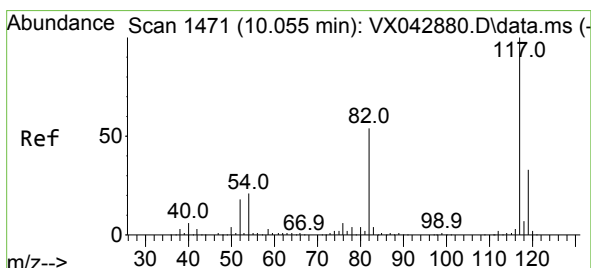
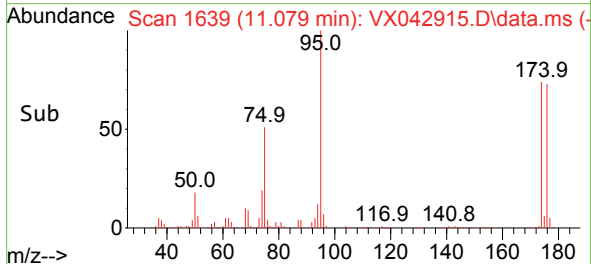
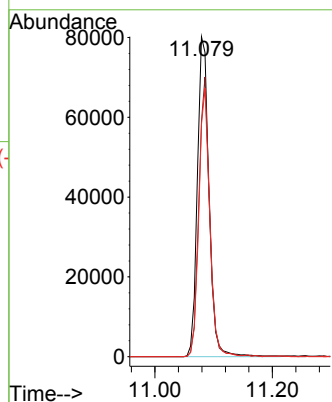
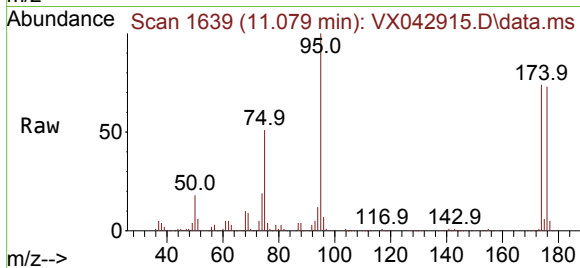
Tgt Ion: 95 Resp: 110410

Ion Ratio Lower Upper

95 100

174 82.3 0.0 135.6

176 78.7 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: VX042915.D

Acq: 07 Aug 2024 15:01

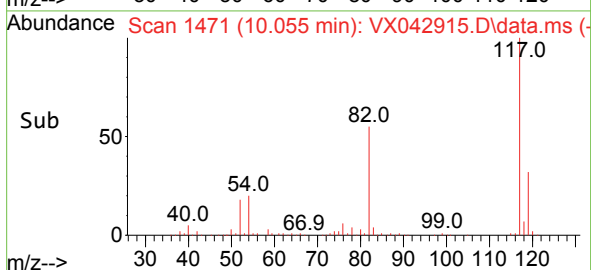
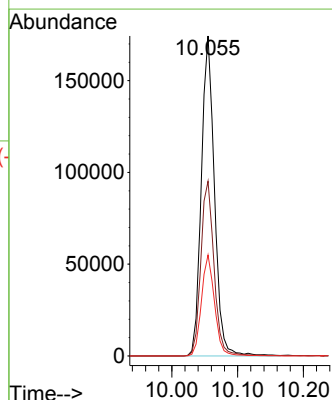
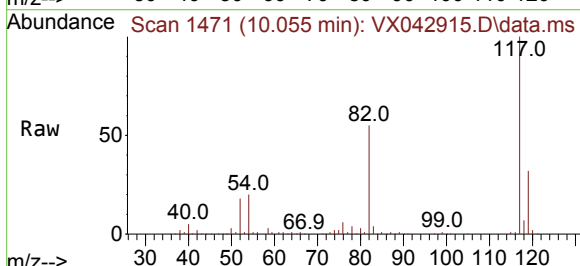
Tgt Ion: 117 Resp: 241784

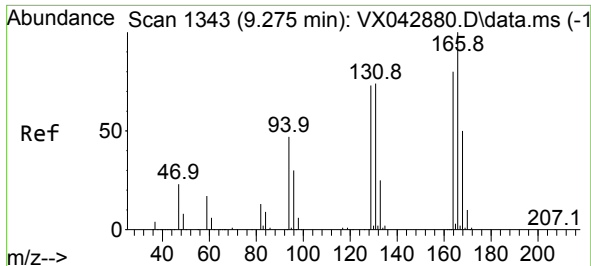
Ion Ratio Lower Upper

117 100

82 54.6 46.2 69.4

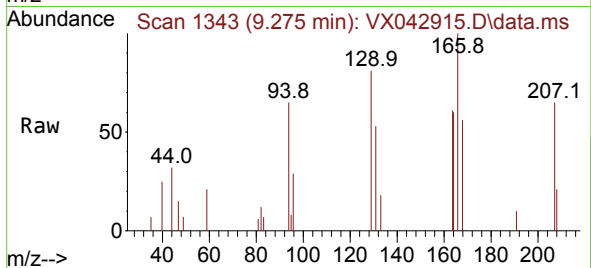
119 31.5 25.5 38.3



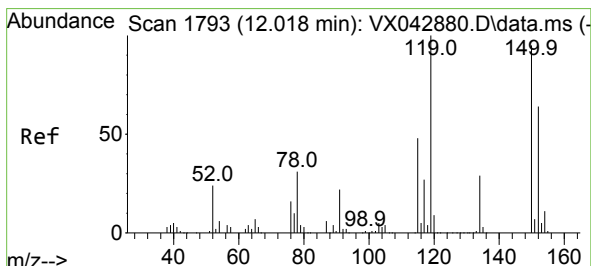
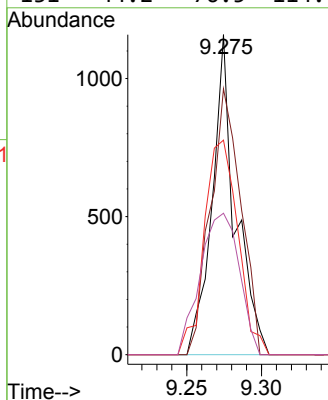
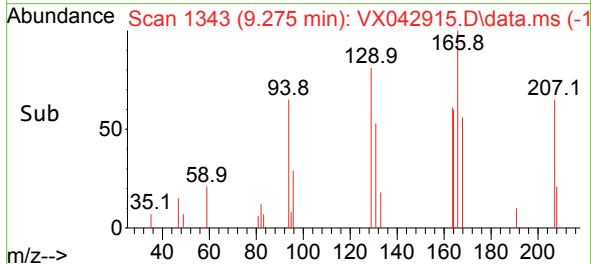


#64
Tetrachloroethene
Concen: 0.749 ug/l
RT: 9.275 min Scan# 11
Delta R.T. -0.000 min
Lab File: VX042915.D
Acq: 07 Aug 2024 15:01

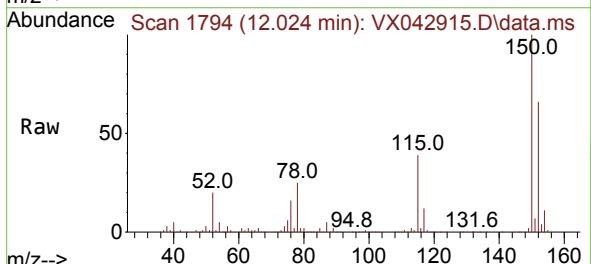
Instrument :
MSVOA_X
ClientSampleId :
S-863-K2-SO-12.75-13.25-072024ME



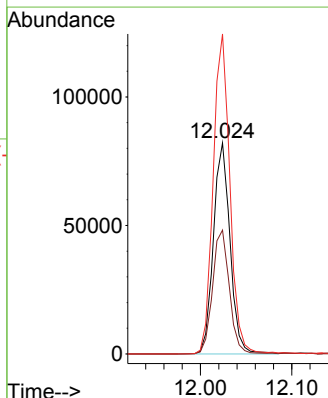
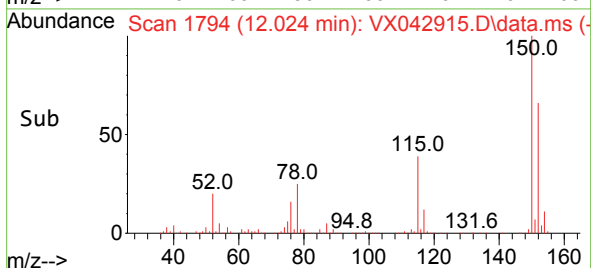
Tgt Ion:164 Resp: 1259
Ion Ratio Lower Upper
164 100
166 83.1 102.7 154.1#
129 67.0 80.4 120.6#
131 44.2 76.5 114.7#

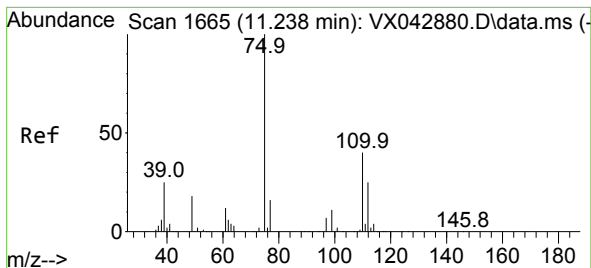


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. 0.006 min
Lab File: VX042915.D
Acq: 07 Aug 2024 15:01



Tgt Ion:152 Resp: 103794
Ion Ratio Lower Upper
152 100
115 59.4 43.3 129.9
150 152.5 0.0 345.0





#76

1,2,3-Trichloropropane

Concen: 23.881 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. -0.159 min

Lab File: VX042915.D

Acq: 07 Aug 2024 15:01

Instrument :

MSVOA_X

ClientSampleId :

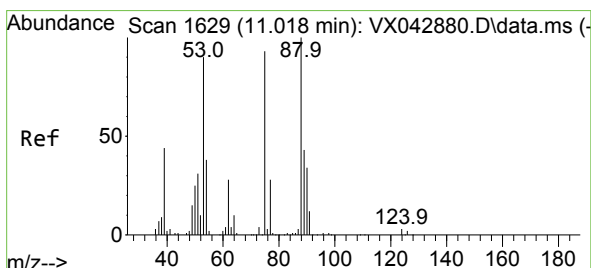
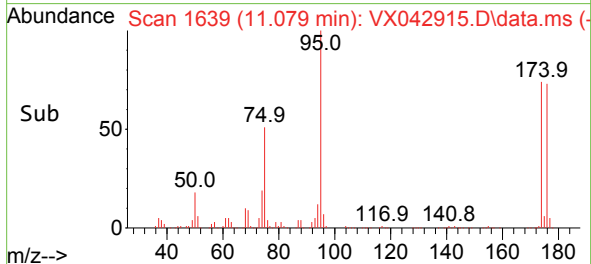
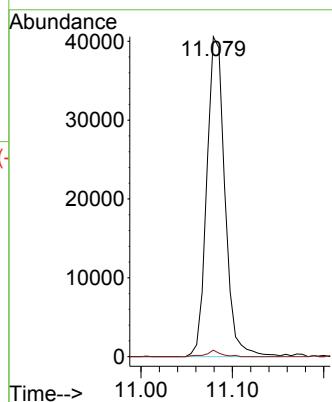
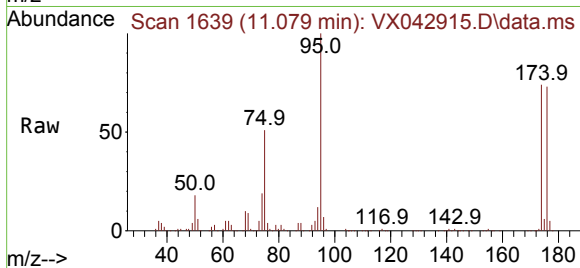
S-863-K2-SO-12.75-13.25-072024ME

Tgt Ion: 75 Resp: 55745

Ion Ratio Lower Upper

75 100

77 1.7 19.1 57.5#



#81

trans-1,4-Dichloro-2-butene

Concen: 77.649 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. 0.061 min

Lab File: VX042915.D

Acq: 07 Aug 2024 15:01

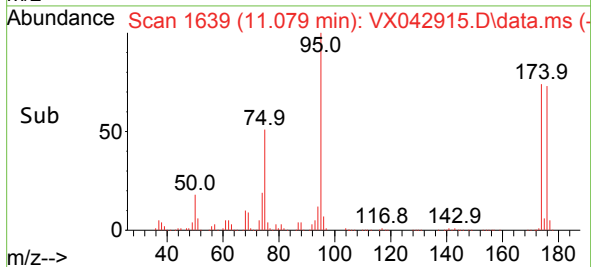
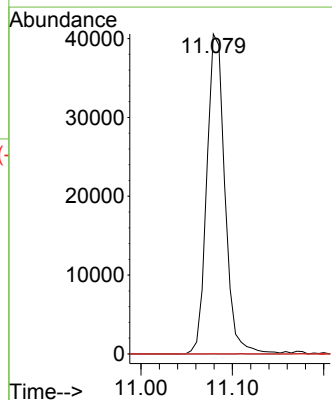
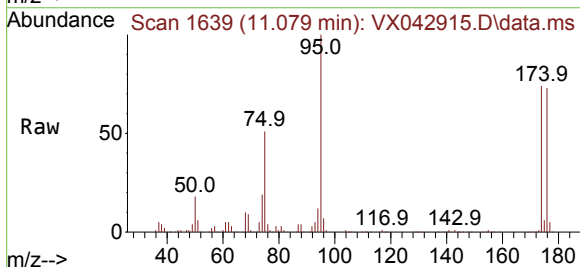
Tgt Ion: 75 Resp: 55745

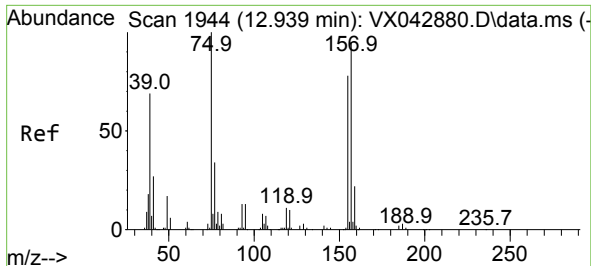
Ion Ratio Lower Upper

75 100

53 0.0 90.5 135.7#

89 0.0 36.9 55.3#

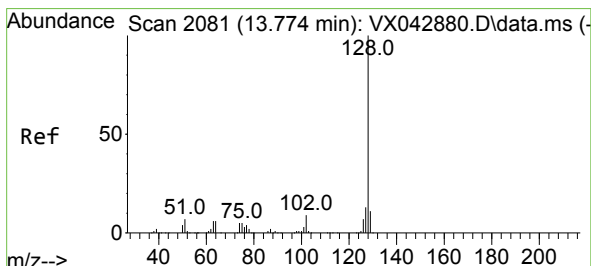
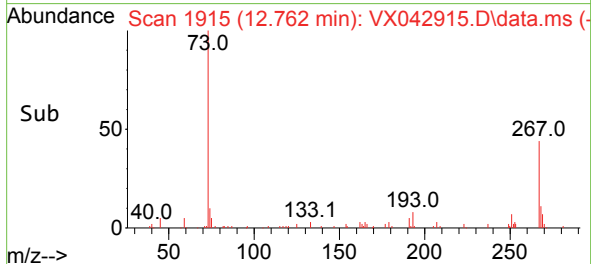
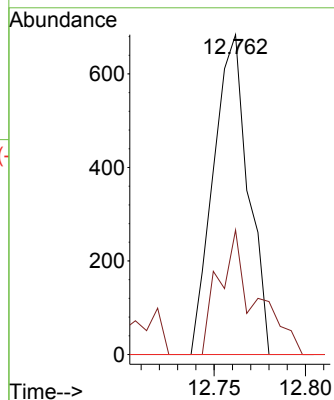
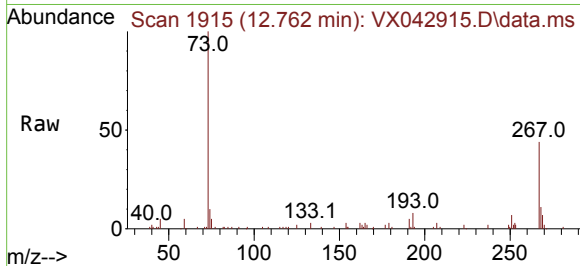




#92
 1,2-Dibromo-3-Chloropropane
 Concen: 1.500 ug/l
 RT: 12.762 min Scan# 1915
 Delta R.T. -0.177 min
 Lab File: VX042915.D
 Acq: 07 Aug 2024 15:01

Instrument : MSVOA_X
 ClientSampleId : S-863-K2-SO-12.75-13.25-072024ME

Tgt Ion: 75 Resp: 906
 Ion Ratio Lower Upper
 75 100
 155 41.1 36.1 108.5
 157 0.0 44.9 134.7#



#95
 Naphthalene
 Concen: 3.863 ug/l
 RT: 13.780 min Scan# 2082
 Delta R.T. 0.006 min
 Lab File: VX042915.D
 Acq: 07 Aug 2024 15:01

Tgt Ion: 128 Resp: 28206
 Ion Ratio Lower Upper
 128 100
 127 13.8 10.3 15.5
 129 11.5 8.8 13.2

