

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX080724\
 Data File : VX042922.D
 Acq On : 07 Aug 2024 17:45
 Operator : JC/MD
 Sample : P3374-12
 Misc : 9.16g/10.0mL/100uL/5.0mL/MSVOA_X/MEOH
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 S-861-K2-SO-13.5-14-072024-FDME

Quant Time: Aug 08 02:05:16 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

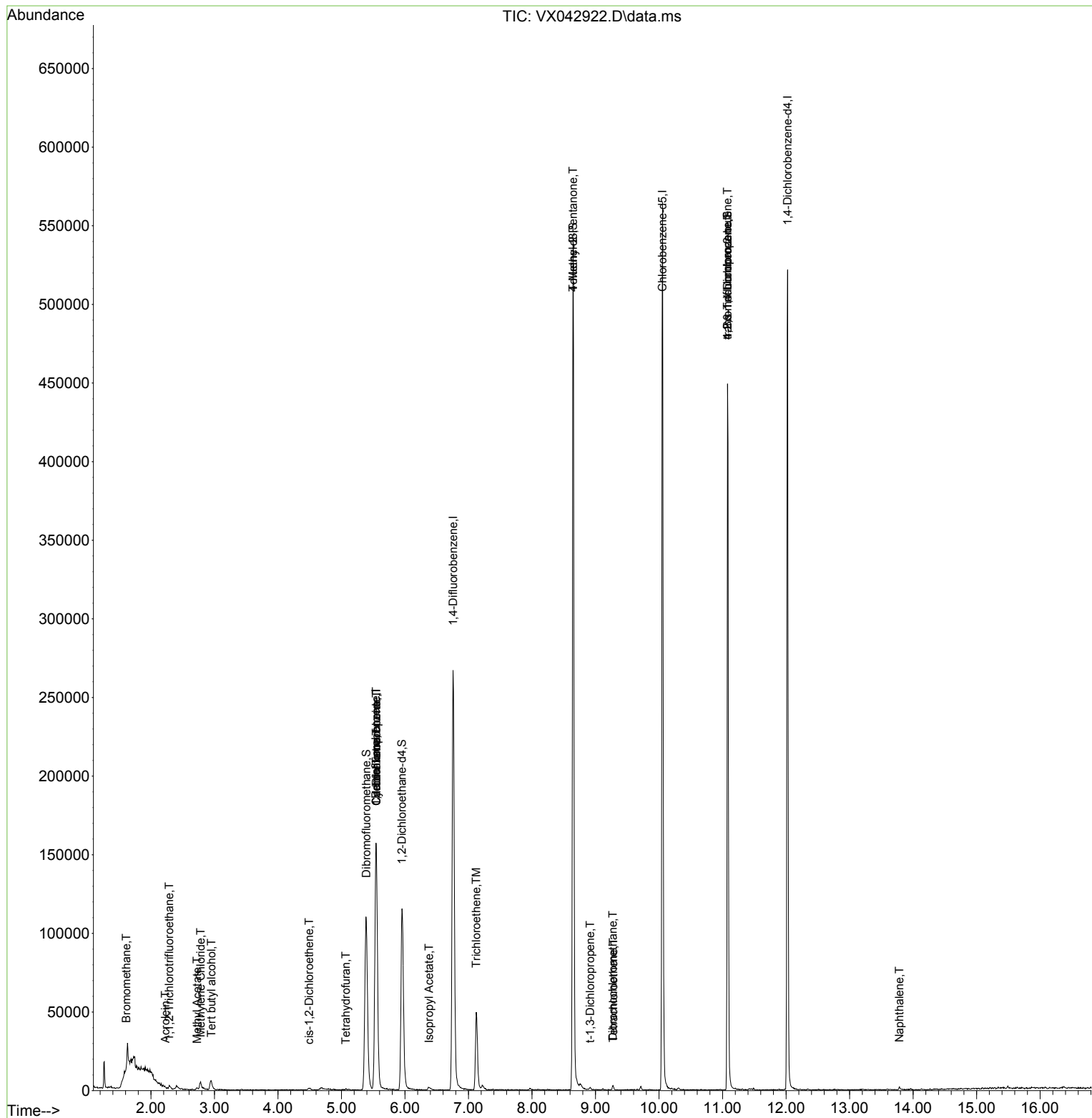
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

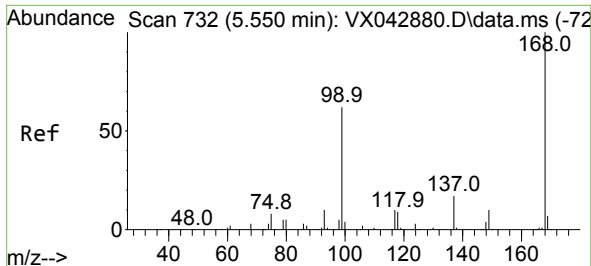
Internal Standards						
1) Pentafluorobenzene	5.544	168	153623	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	289576	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	270000	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	115362	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	121920	57.811	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	= 115.620%	
35) Dibromofluoromethane	5.391	113	100446	53.051	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 106.100%	
50) Toluene-d8	8.647	98	337051	50.145	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	= 100.280%	
62) 4-Bromofluorobenzene	11.079	95	124503	51.546	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	= 103.100%	
Target Compounds						
					Qvalue	
5) Bromomethane	1.611	94	668	0.645	ug/l #	67
9) 1,1,2-Trichlorotrifluo...	2.288	101	676	0.404	ug/l	95
11) Tert butyl alcohol	2.953	59	4324	10.308	ug/l #	81
13) Acrolein	2.227	56	94	0.227	ug/l #	43
18) Methyl Acetate	2.727	43	1665	0.574	ug/l #	89
20) Methylene Chloride	2.782	84	2962	0.655	ug/l	85
27) cis-1,2-Dichloroethene	4.489	96	600	0.297	ug/l	86
29) Tetrahydrofuran	5.068	42	461	0.475	ug/l #	74
31) Cyclohexane	5.550	56	3132	1.187	ug/l #	11
36) 1,1-Dichloropropene	5.550	75	11695	4.556	ug/l #	53
38) Carbon Tetrachloride	5.550	117	15822	5.460	ug/l #	17
43) Isopropyl Acetate	6.379	43	1047	0.220	ug/l #	62
44) Trichloroethene	7.123	130	20316	10.148	ug/l	99
51) 4-Methyl-2-Pentanone	8.647	43	1550	0.487	ug/l #	1
53) t-1,3-Dichloropropene	8.915	75	1021	0.401	ug/l #	43
60) Dibromochloromethane	9.275	129	593	0.275	ug/l #	11
64) Tetrachloroethene	9.281	164	553	0.295	ug/l #	63
76) 1,2,3-Trichloropropane	11.079	75	63414	24.442	ug/l #	40
81) trans-1,4-Dichloro-2-b...	11.079	75	63414	79.474	ug/l #	5
95) Naphthalene	13.786	128	1919	0.236	ug/l #	85

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

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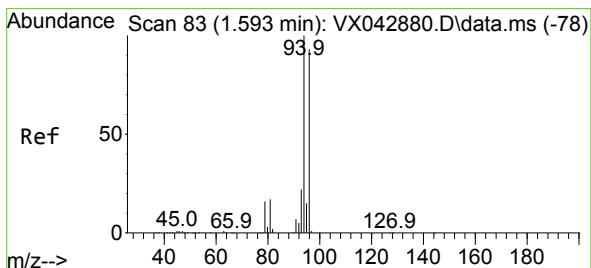
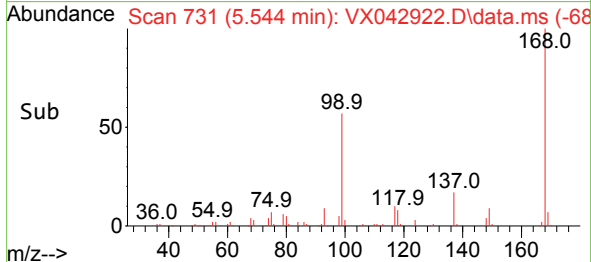
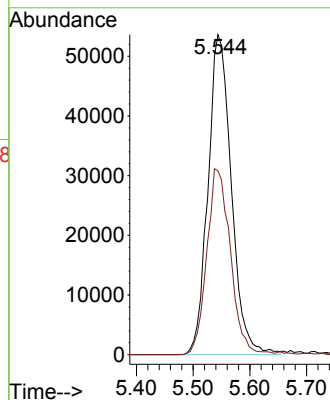
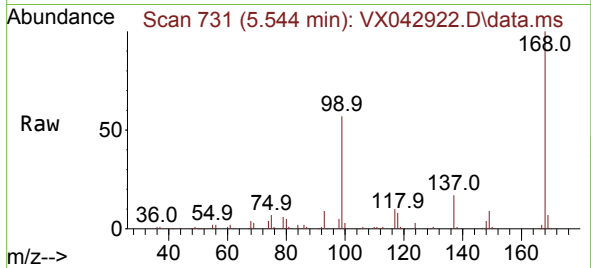




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.544 min Scan# 71
Delta R.T. -0.006 min
Lab File: VX042922.D
Acq: 07 Aug 2024 17:45

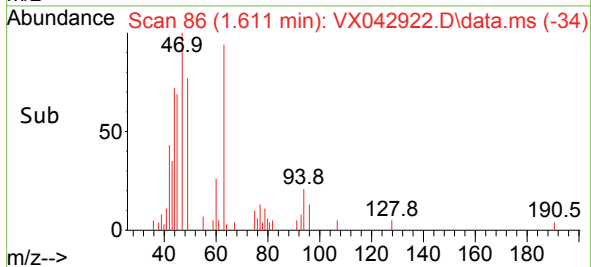
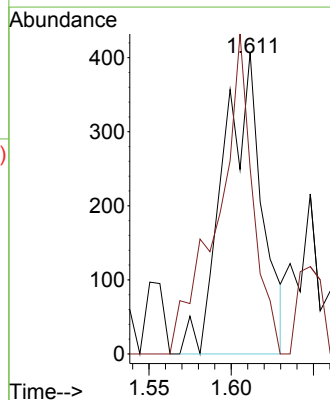
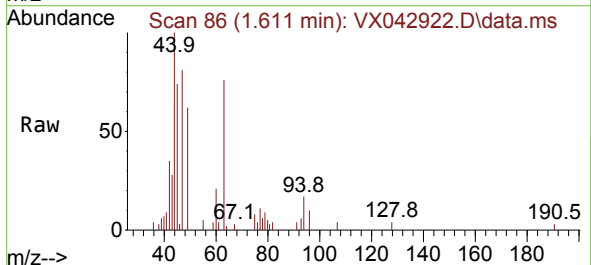
Instrument :
MSVOA_X
ClientSampleId :
S-861-K2-SO-13.5-14-072024-FDME

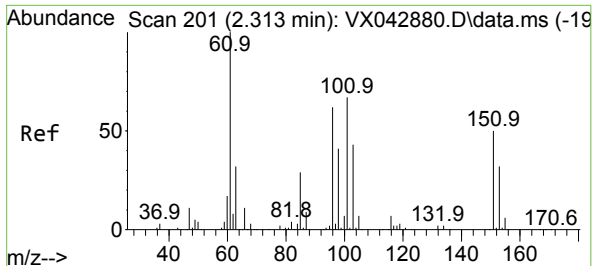
Tgt Ion:168 Resp: 153623
Ion Ratio Lower Upper
168 100
99 57.3 56.6 85.0



#5
Bromomethane
Concen: 0.645 ug/l
RT: 1.611 min Scan# 86
Delta R.T. 0.018 min
Lab File: VX042922.D
Acq: 07 Aug 2024 17:45

Tgt Ion: 94 Resp: 668
Ion Ratio Lower Upper
94 100
96 61.7 74.6 111.8#

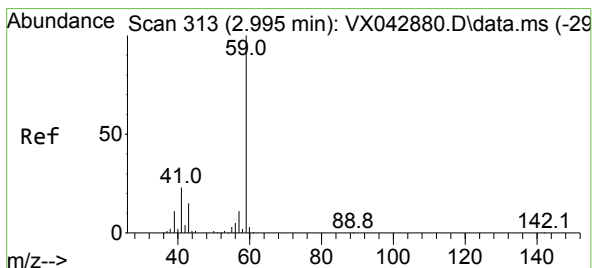
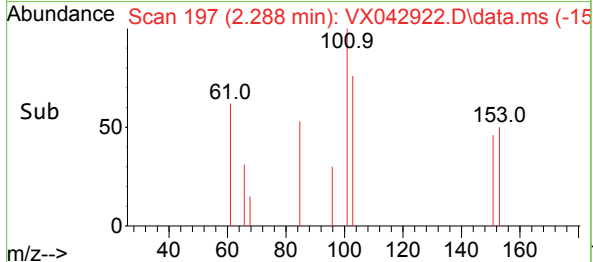
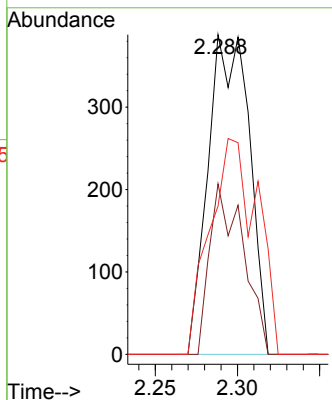
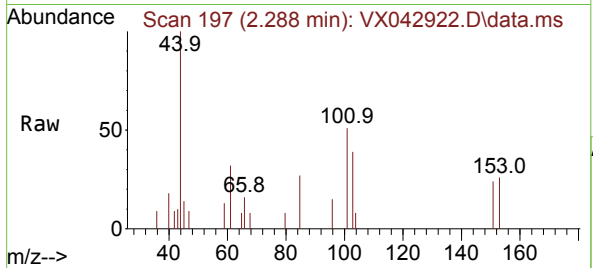




#9
1,1,2-Trichlorotrifluoroethane
Concen: 0.404 ug/l
RT: 2.288 min Scan# 197
Delta R.T. -0.025 min
Lab File: VX042922.D
Acq: 07 Aug 2024 17:45

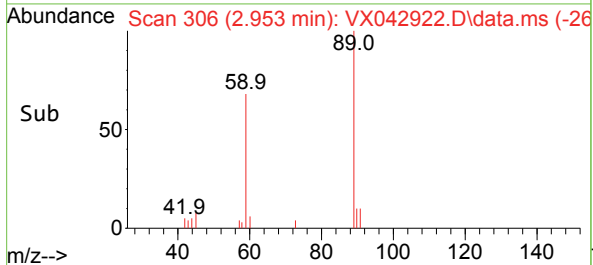
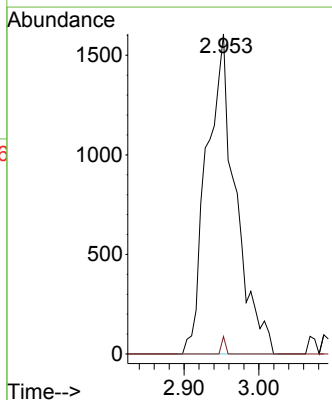
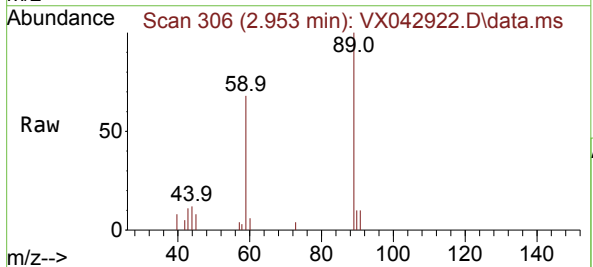
Instrument :
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S-861-K2-SO-13.5-14-072024-FDME

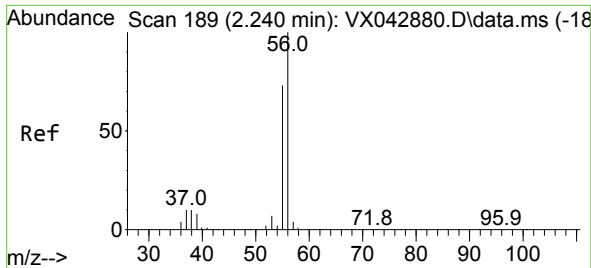
Tgt Ion:101 Resp: 676
Ion Ratio Lower Upper
101 100
85 43.5 37.0 55.6
151 77.5 58.6 87.8



#11
Tert butyl alcohol
Concen: 10.308 ug/l
RT: 2.953 min Scan# 306
Delta R.T. -0.043 min
Lab File: VX042922.D
Acq: 07 Aug 2024 17:45

Tgt Ion: 59 Resp: 4324
Ion Ratio Lower Upper
59 100
57 0.7 6.0 9.0#





#13

Acrolein

Concen: 0.227 ug/l

RT: 2.227 min Scan# 11

Delta R.T. -0.012 min

Lab File: VX042922.D

Acq: 07 Aug 2024 17:45

Instrument :

MSVOA_X

ClientSampleId :

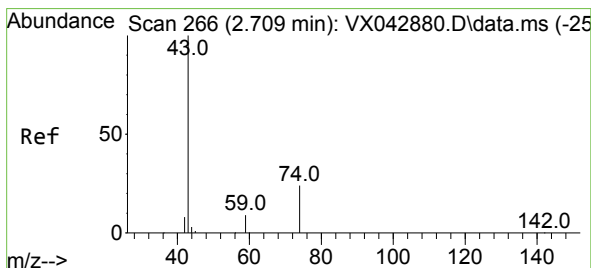
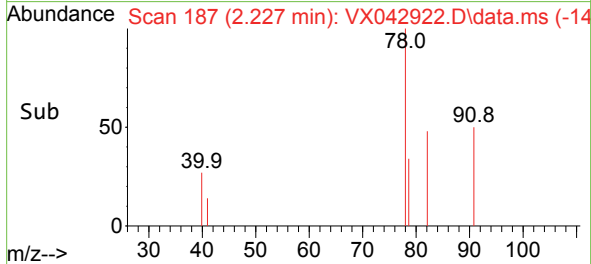
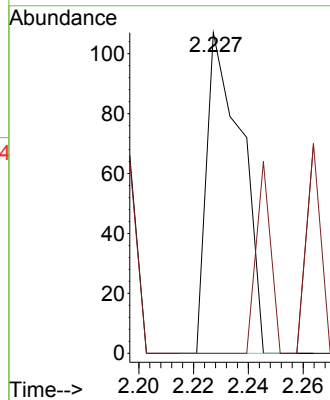
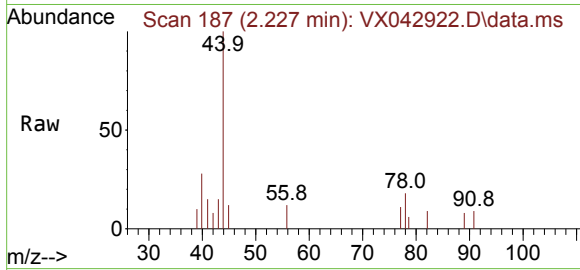
S-861-K2-SO-13.5-14-072024-FDME

Tgt Ion: 56 Resp: 94

Ion Ratio Lower Upper

56 100

55 24.5 57.1 85.7#



#18

Methyl Acetate

Concen: 0.574 ug/l

RT: 2.727 min Scan# 269

Delta R.T. 0.018 min

Lab File: VX042922.D

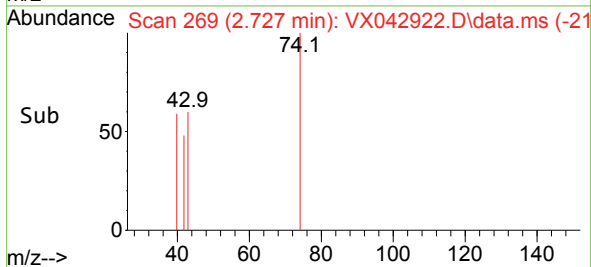
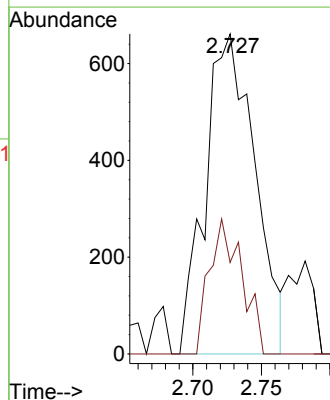
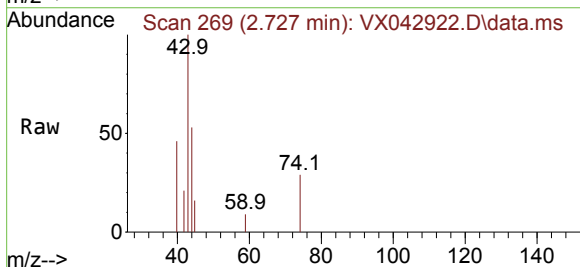
Acq: 07 Aug 2024 17:45

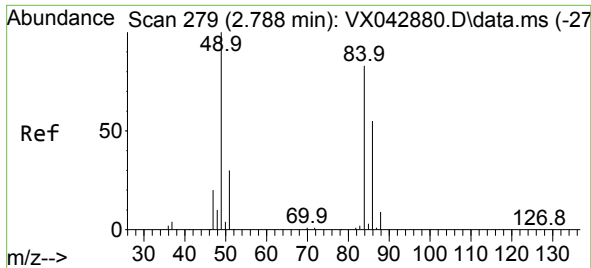
Tgt Ion: 43 Resp: 1665

Ion Ratio Lower Upper

43 100

74 27.6 17.8 26.8#



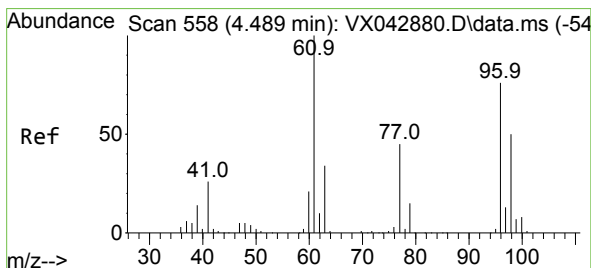
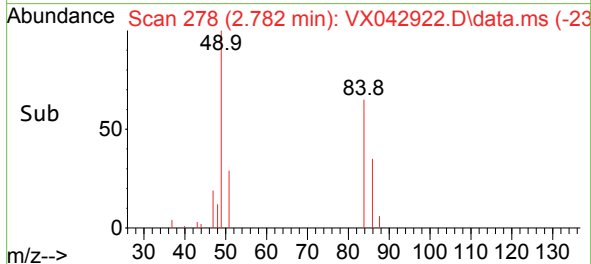
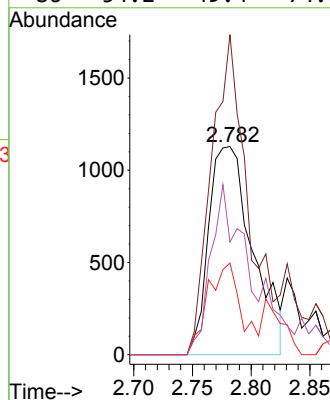
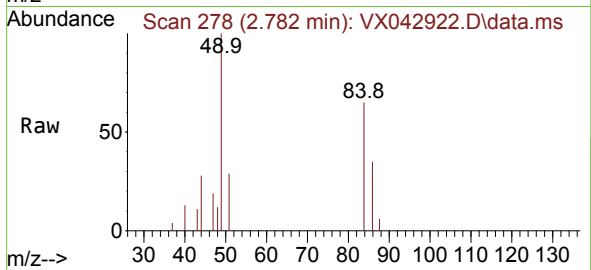


#20
Methylene Chloride
Concen: 0.655 ug/l
RT: 2.782 min Scan# 21
Delta R.T. -0.006 min
Lab File: VX042922.D
Acq: 07 Aug 2024 17:45

Instrument :
MSVOA_X
ClientSampleId :
S-861-K2-SO-13.5-14-072024-FDME

Tgt Ion: 84 Resp: 2962

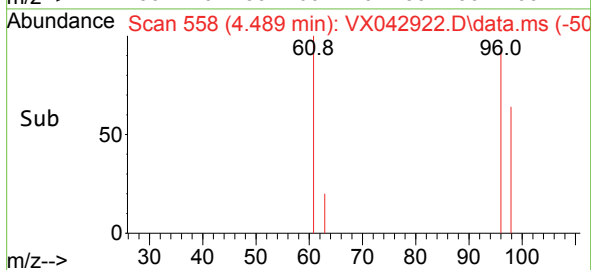
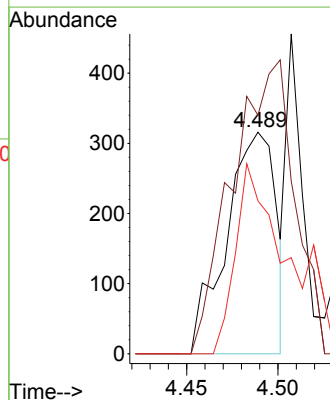
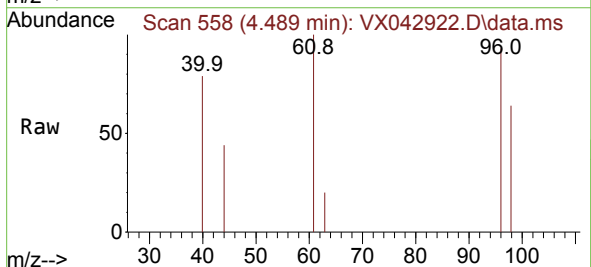
Ion	Ratio	Lower	Upper
84	100		
49	153.7	103.6	155.4
51	44.0	33.8	50.6
86	54.2	49.4	74.0

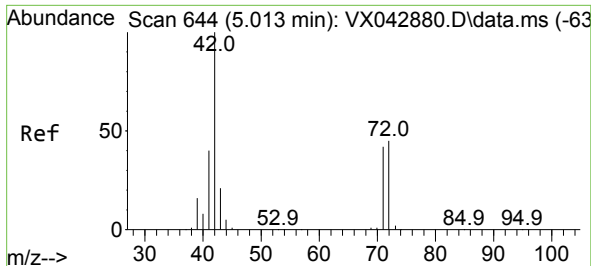


#27
cis-1,2-Dichloroethene
Concen: 0.297 ug/l
RT: 4.489 min Scan# 558
Delta R.T. -0.000 min
Lab File: VX042922.D
Acq: 07 Aug 2024 17:45

Tgt Ion: 96 Resp: 600

Ion	Ratio	Lower	Upper
96	100		
61	165.3	0.0	312.2
98	89.7	0.0	129.0





#29

Tetrahydrofuran

Concen: 0.475 ug/l

RT: 5.068 min Scan# 61

Delta R.T. 0.055 min

Lab File: VX042922.D

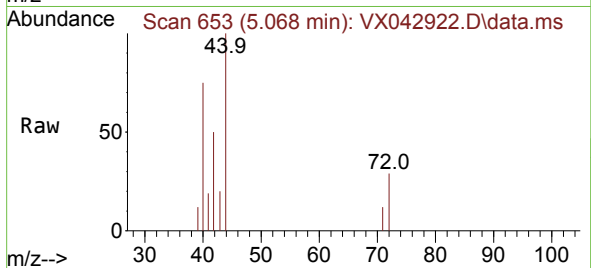
Acq: 07 Aug 2024 17:45

Instrument :

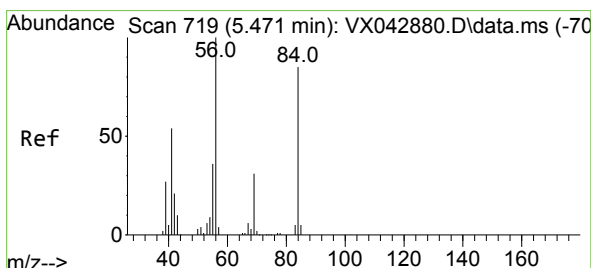
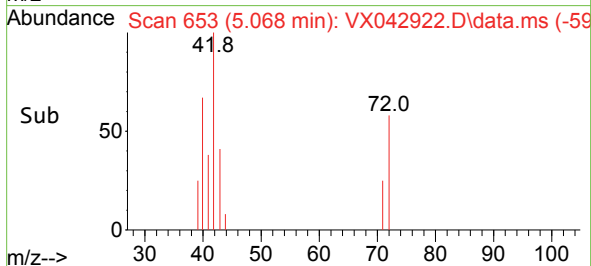
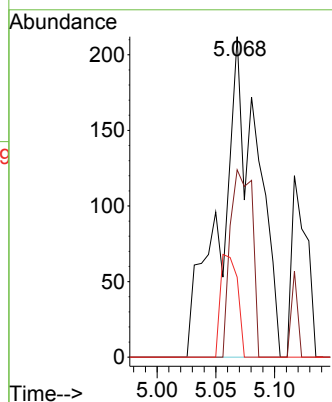
MSVOA_X

ClientSampleId :

S-861-K2-SO-13.5-14-072024-FDME



Tgt Ion: 42	Resp: 461
Ion Ratio	Lower Upper
42	100
72	34.9 34.2 51.4
71	14.8 32.2 48.2#



#31

Cyclohexane

Concen: 1.187 ug/l

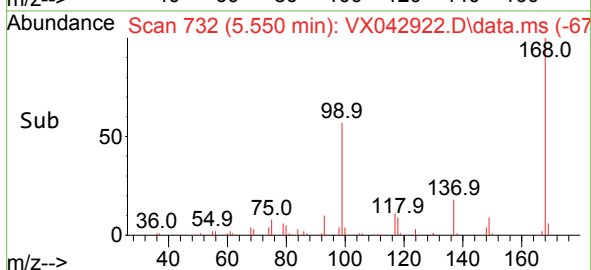
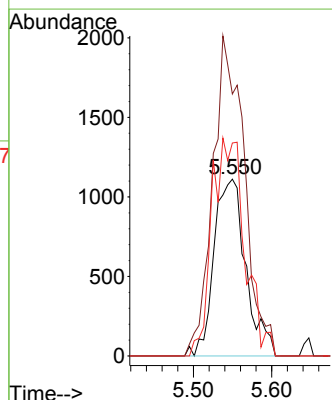
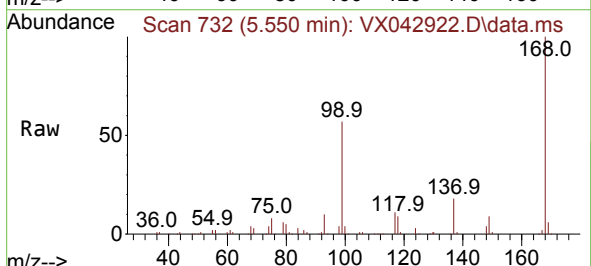
RT: 5.550 min Scan# 732

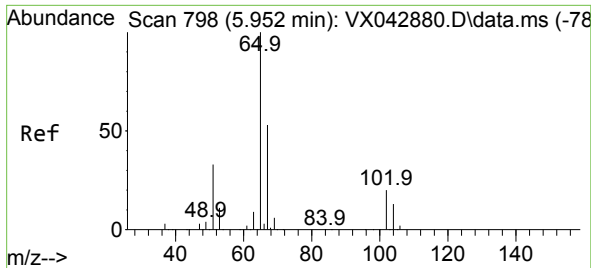
Delta R.T. 0.079 min

Lab File: VX042922.D

Acq: 07 Aug 2024 17:45

Tgt Ion: 56	Resp: 3132
Ion Ratio	Lower Upper
56	100
69	148.1 23.4 35.2#
84	120.4 65.9 98.9#

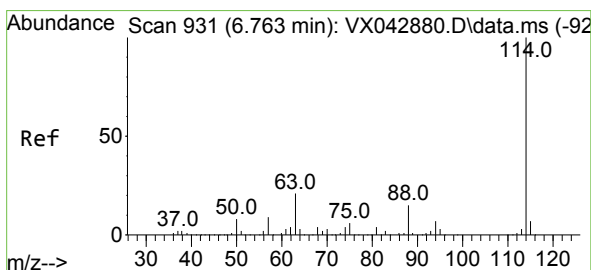
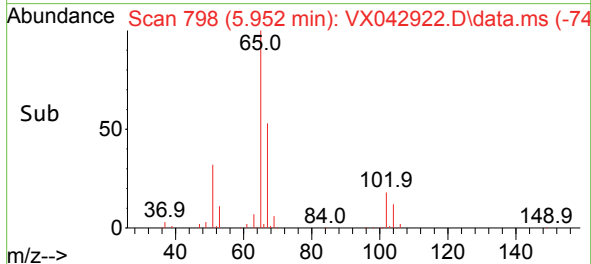
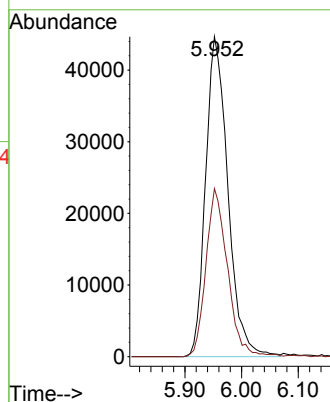
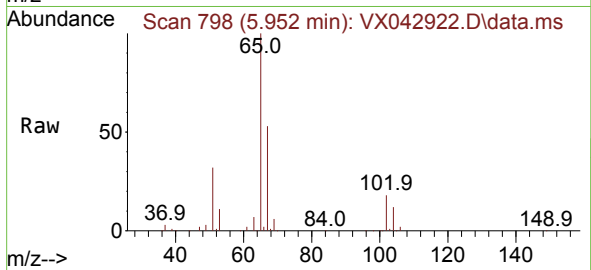




#33
1,2-Dichloroethane-d4
Concen: 57.811 ug/l
RT: 5.952 min Scan# 798
Delta R.T. -0.000 min
Lab File: VX042922.D
Acq: 07 Aug 2024 17:45

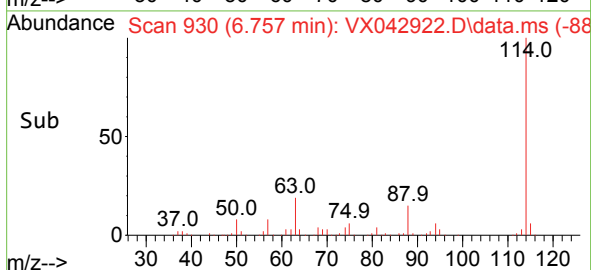
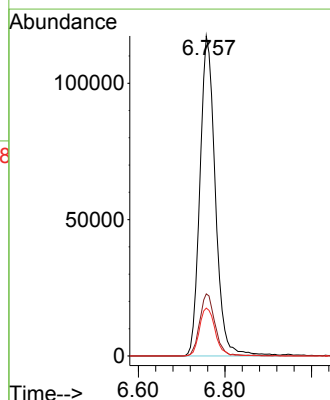
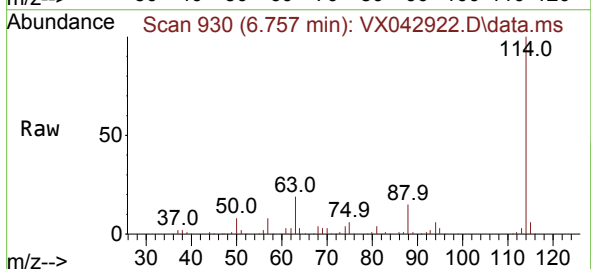
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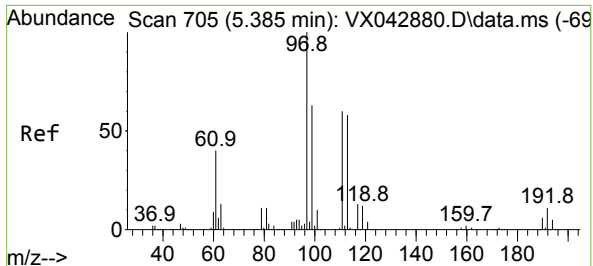
Tgt Ion: 65 Resp: 121920
Ion Ratio Lower Upper
65 100
67 50.8 0.0 100.2



#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.757 min Scan# 930
Delta R.T. -0.006 min
Lab File: VX042922.D
Acq: 07 Aug 2024 17:45

Tgt Ion:114 Resp: 289576
Ion Ratio Lower Upper
114 100
63 19.4 0.0 45.0
88 15.0 0.0 36.6

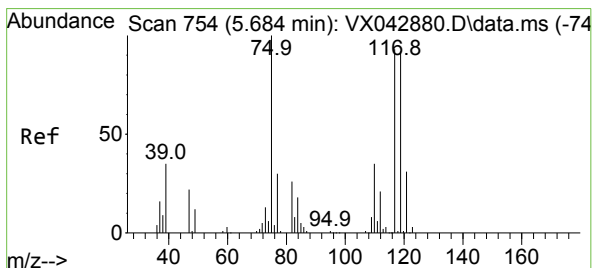
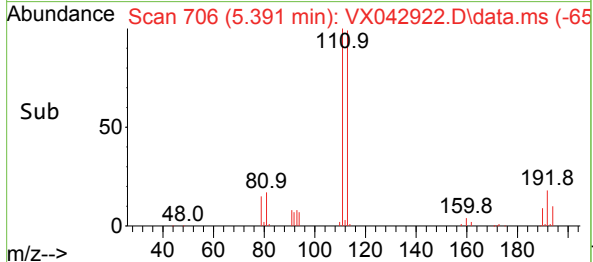
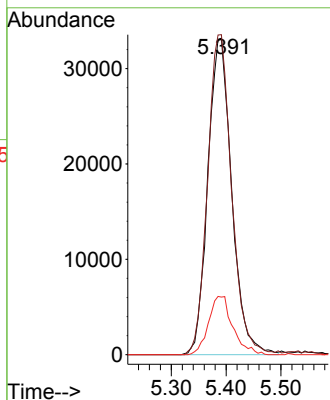
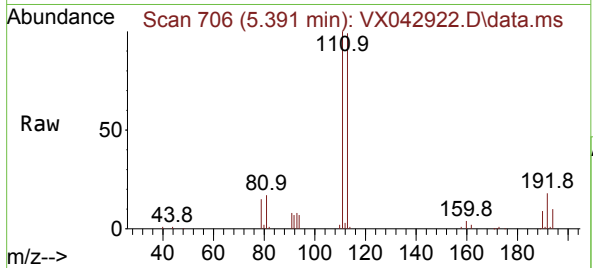




#35
Dibromofluoromethane
Concen: 53.051 ug/l
RT: 5.391 min Scan# 705
Delta R.T. 0.006 min
Lab File: VX042922.D
Acq: 07 Aug 2024 17:45

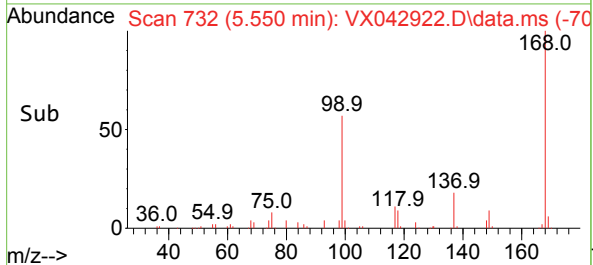
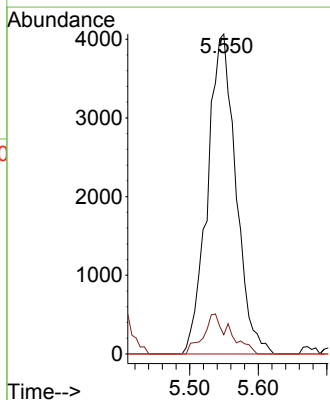
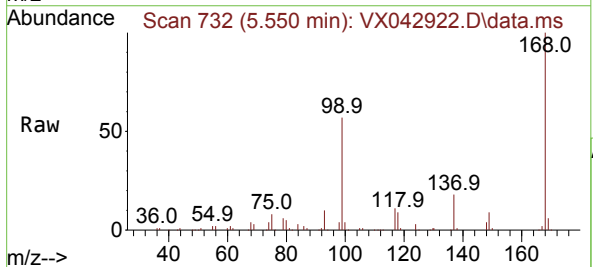
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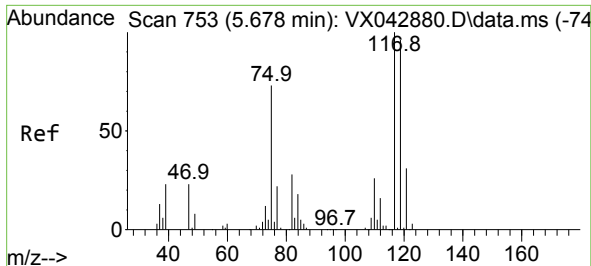
Tgt Ion:113 Resp: 100446
Ion Ratio Lower Upper
113 100
111 101.5 82.9 124.3
192 18.7 13.3 19.9



#36
1,1-Dichloropropene
Concen: 4.556 ug/l
RT: 5.550 min Scan# 732
Delta R.T. -0.134 min
Lab File: VX042922.D
Acq: 07 Aug 2024 17:45

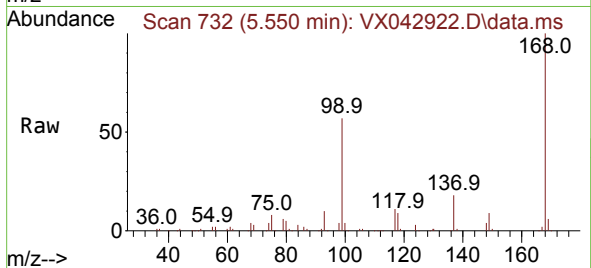
Tgt Ion: 75 Resp: 11695
Ion Ratio Lower Upper
75 100
110 11.8 17.0 50.9#
77 0.0 24.7 37.1#



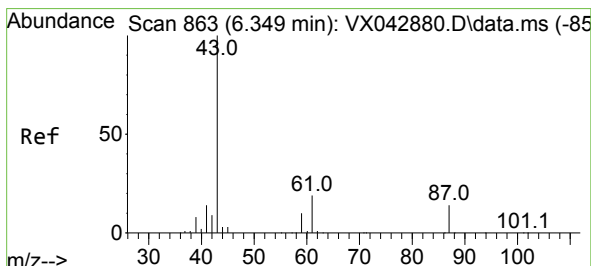
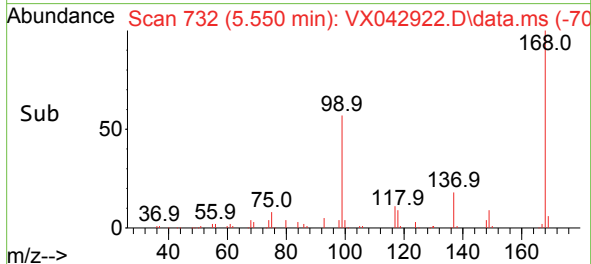
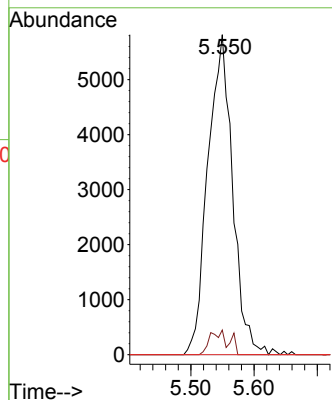


#38
Carbon Tetrachloride
Concen: 5.460 ug/l
RT: 5.550 min Scan# 71
Delta R.T. -0.128 min
Lab File: VX042922.D
Acq: 07 Aug 2024 17:45

Instrument :
MSVOA_X
ClientSampleId :
S-861-K2-SO-13.5-14-072024-FDME

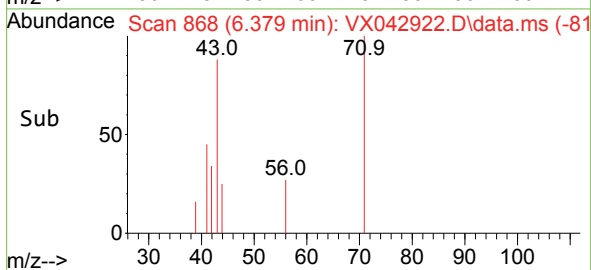
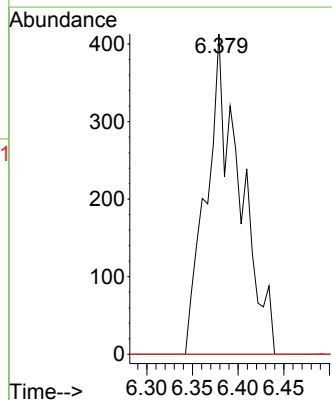
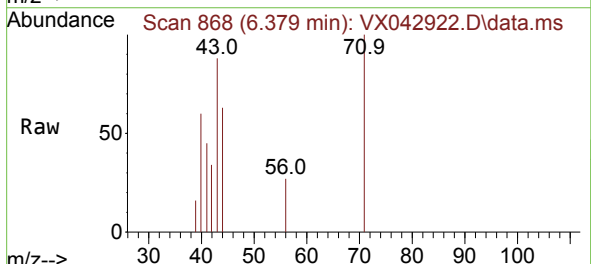


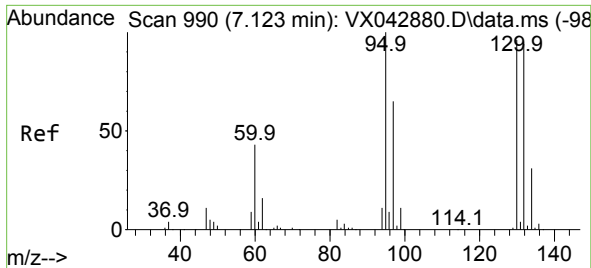
Tgt Ion:117 Resp: 15822
Ion Ratio Lower Upper
117 100
119 7.7 78.2 117.2#
121 0.0 24.4 36.6#



#43
Isopropyl Acetate
Concen: 0.220 ug/l
RT: 6.379 min Scan# 868
Delta R.T. 0.030 min
Lab File: VX042922.D
Acq: 07 Aug 2024 17:45

Tgt Ion: 43 Resp: 1047
Ion Ratio Lower Upper
43 100
61 0.0 15.2 22.8#
87 0.0 9.8 14.6#

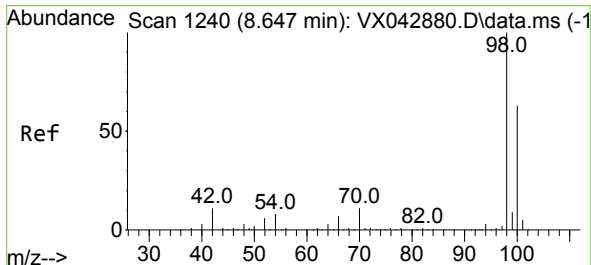
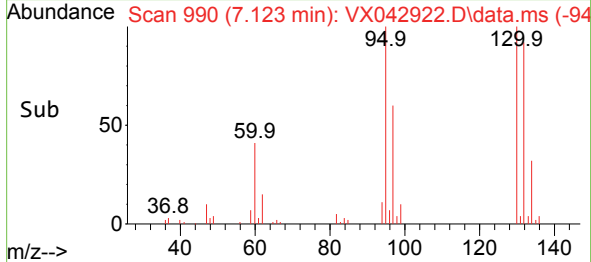
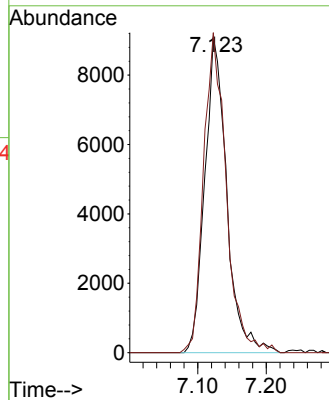
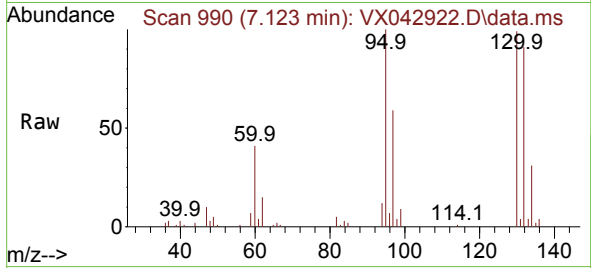




#44
Trichloroethene
Concen: 10.148 ug/l
RT: 7.123 min Scan# 990
Delta R.T. -0.000 min
Lab File: VX042922.D
Acq: 07 Aug 2024 17:45

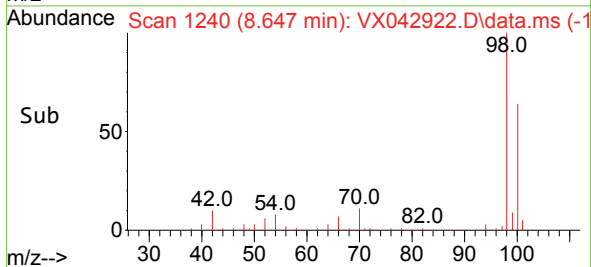
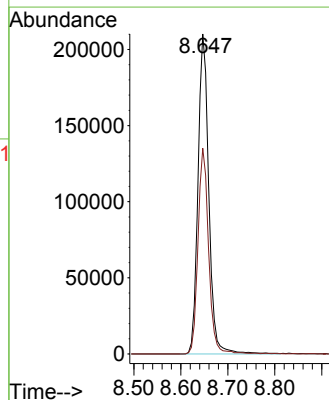
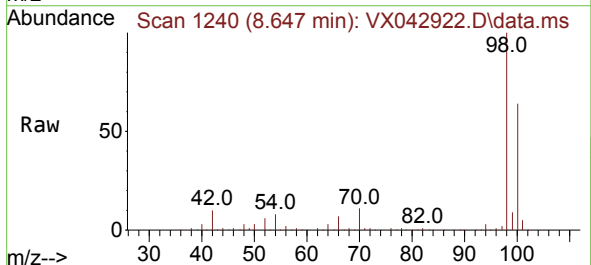
Instrument :
MSVOA_X
ClientSampleId :
S-861-K2-SO-13.5-14-072024-FDME

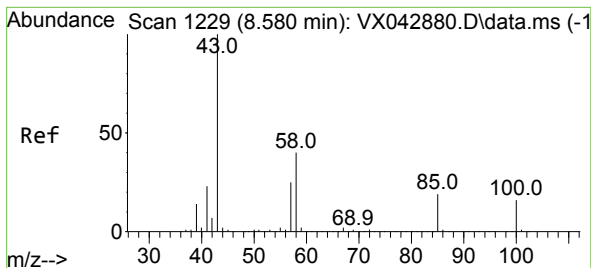
Tgt Ion:130 Resp: 20316
Ion Ratio Lower Upper
130 100
95 101.3 0.0 204.4



#50
Toluene-d8
Concen: 50.145 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. -0.000 min
Lab File: VX042922.D
Acq: 07 Aug 2024 17:45

Tgt Ion: 98 Resp: 337051
Ion Ratio Lower Upper
98 100
100 63.2 53.1 79.7





#51

4-Methyl-2-Pentanone

Concen: 0.487 ug/l

RT: 8.647 min Scan# 11

Delta R.T. 0.067 min

Lab File: VX042922.D

Acq: 07 Aug 2024 17:45

Instrument :

MSVOA_X

ClientSampleId :

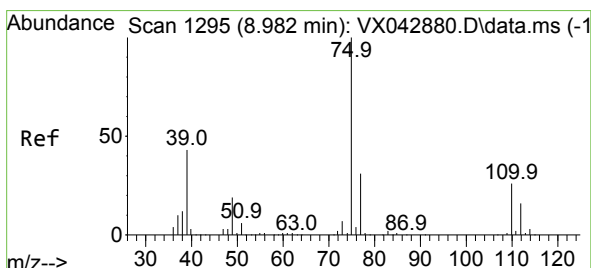
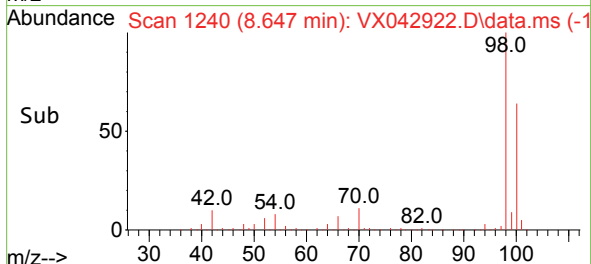
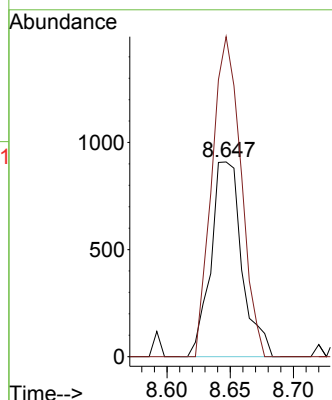
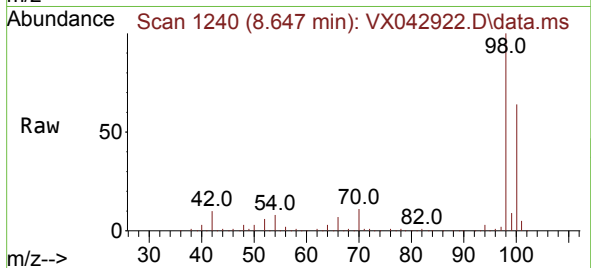
S-861-K2-SO-13.5-14-072024-FDME

Tgt Ion: 43 Resp: 1550

Ion Ratio Lower Upper

43 100

58 154.1 30.4 45.6#



#53

t-1,3-Dichloropropene

Concen: 0.401 ug/l

RT: 8.915 min Scan# 1284

Delta R.T. -0.067 min

Lab File: VX042922.D

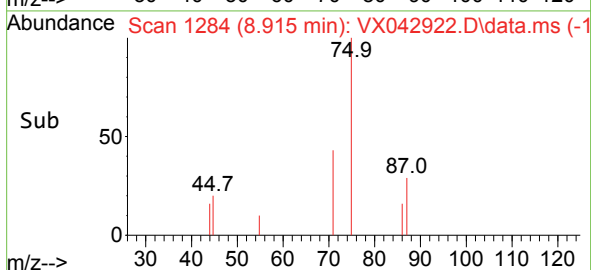
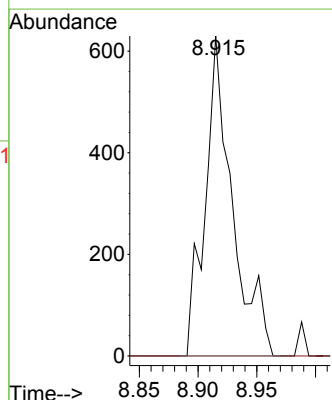
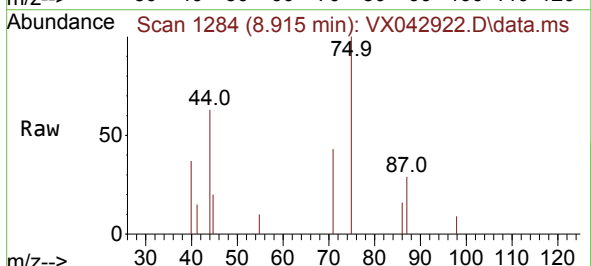
Acq: 07 Aug 2024 17:45

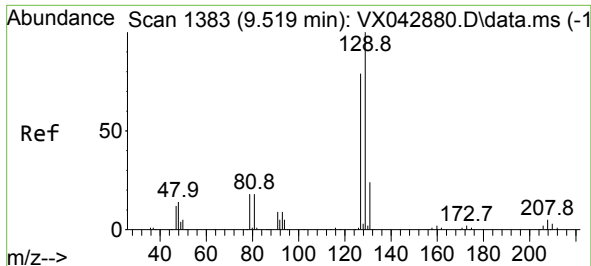
Tgt Ion: 75 Resp: 1021

Ion Ratio Lower Upper

75 100

77 0.0 25.7 38.5#

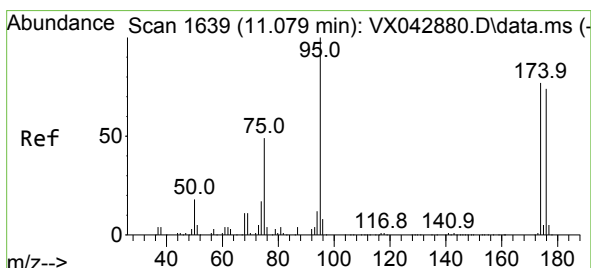
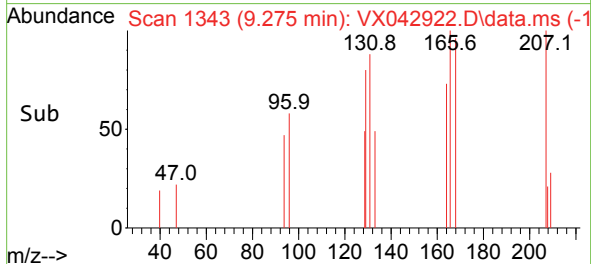
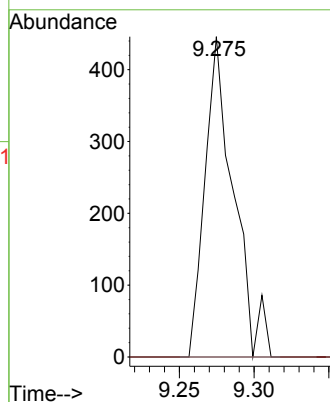
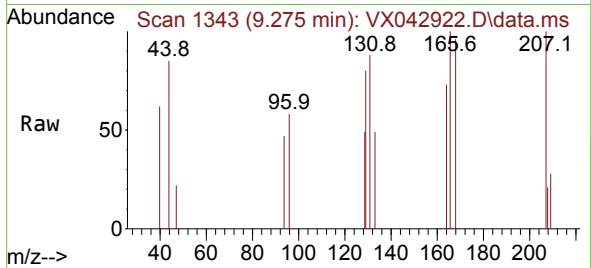




#60
Dibromochloromethane
Concen: 0.275 ug/l
RT: 9.275 min Scan# 11
Delta R.T. -0.244 min
Lab File: VX042922.D
Acq: 07 Aug 2024 17:45

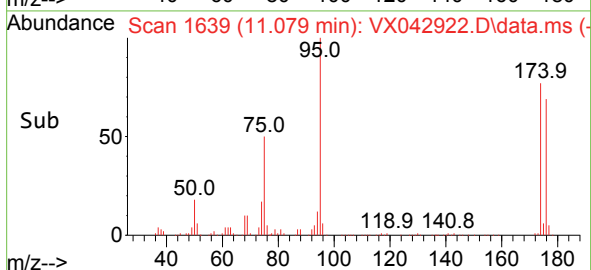
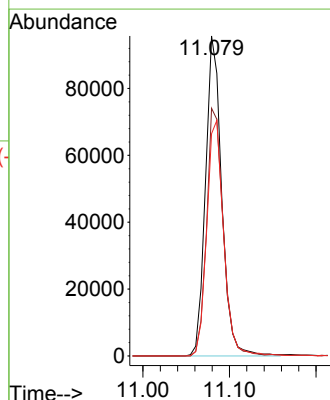
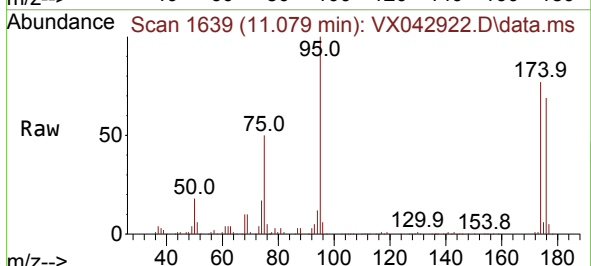
Instrument :
MSVOA_X
ClientSampleId :
S-861-K2-SO-13.5-14-072024-FDME

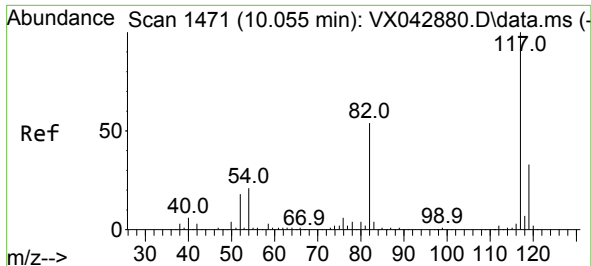
Tgt Ion:129 Resp: 593
Ion Ratio Lower Upper
129 100
127 0.0 38.8 116.4#



#62
4-Bromofluorobenzene
Concen: 51.546 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.000 min
Lab File: VX042922.D
Acq: 07 Aug 2024 17:45

Tgt Ion: 95 Resp: 124503
Ion Ratio Lower Upper
95 100
174 79.4 0.0 135.6
176 76.8 0.0 131.0

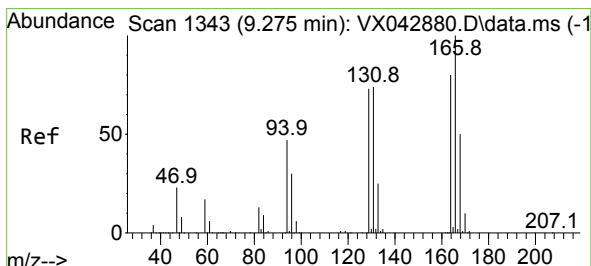
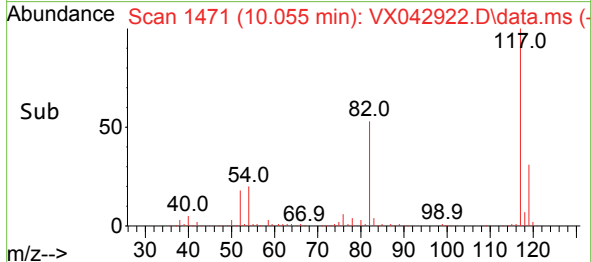
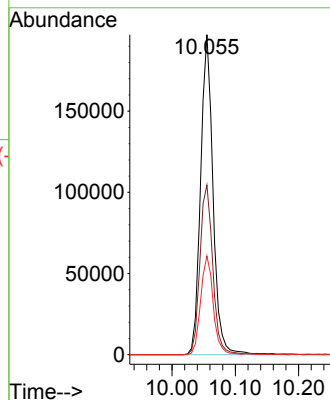
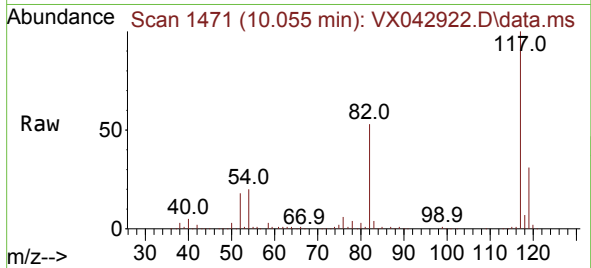




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. -0.000 min
Lab File: VX042922.D
Acq: 07 Aug 2024 17:45

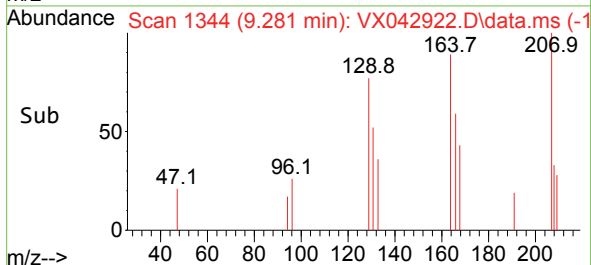
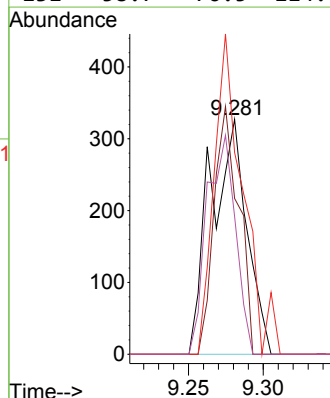
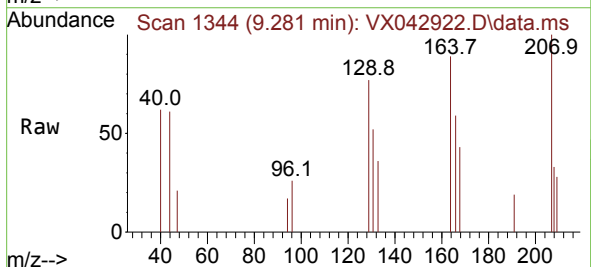
Instrument : MSVOA_X
ClientSampleId : S-861-K2-SO-13.5-14-072024-FDME

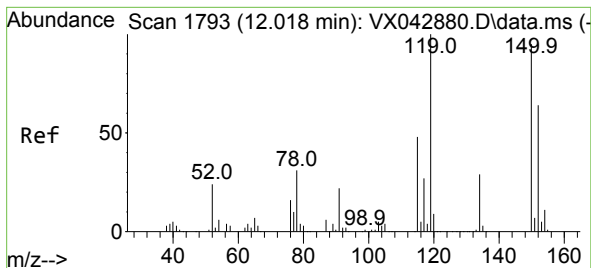
Tgt Ion:117 Resp: 270000
Ion Ratio Lower Upper
117 100
82 53.0 46.2 69.4
119 30.9 25.5 38.3



#64
Tetrachloroethene
Concen: 0.295 ug/l
RT: 9.281 min Scan# 1344
Delta R.T. 0.006 min
Lab File: VX042922.D
Acq: 07 Aug 2024 17:45

Tgt Ion:164 Resp: 553
Ion Ratio Lower Upper
164 100
166 66.4 102.7 154.1#
129 85.9 80.4 120.6
131 58.7 76.5 114.7#





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.024 min Scan# 1

Delta R.T. 0.006 min

Lab File: VX042922.D

Acq: 07 Aug 2024 17:45

Instrument :

MSVOA_X

ClientSampleId :

S-861-K2-SO-13.5-14-072024-FDME

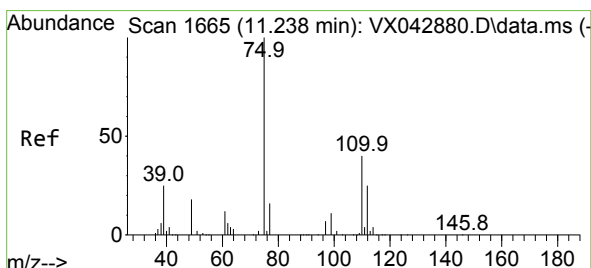
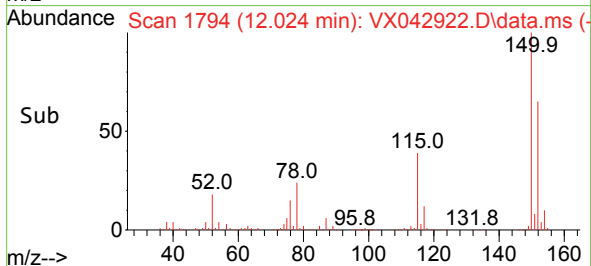
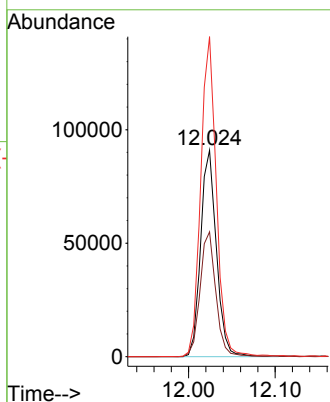
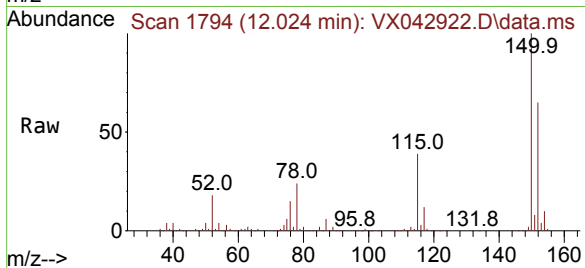
Tgt Ion:152 Resp: 115362

Ion Ratio Lower Upper

152 100

115 60.5 43.3 129.9

150 154.0 0.0 345.0



#76

1,2,3-Trichloropropane

Concen: 24.442 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. -0.159 min

Lab File: VX042922.D

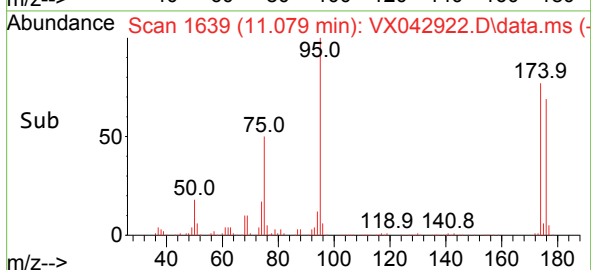
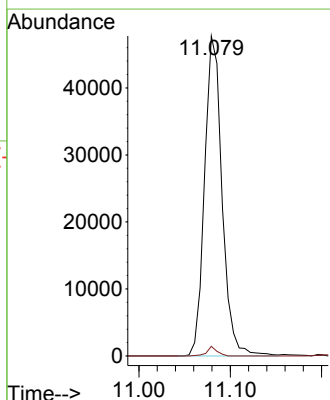
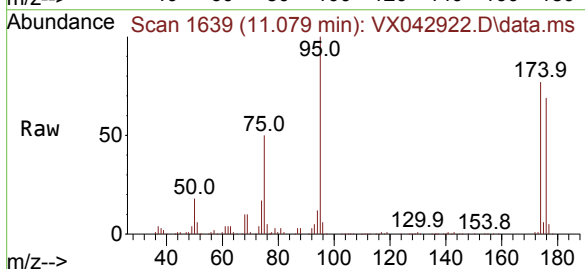
Acq: 07 Aug 2024 17:45

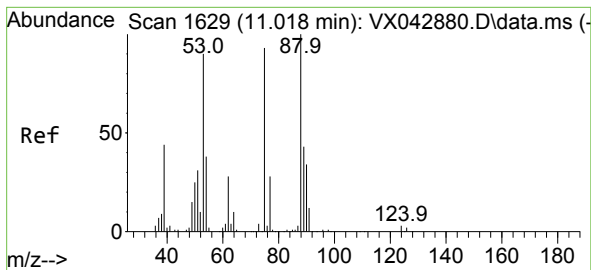
Tgt Ion: 75 Resp: 63414

Ion Ratio Lower Upper

75 100

77 1.7 19.1 57.5#

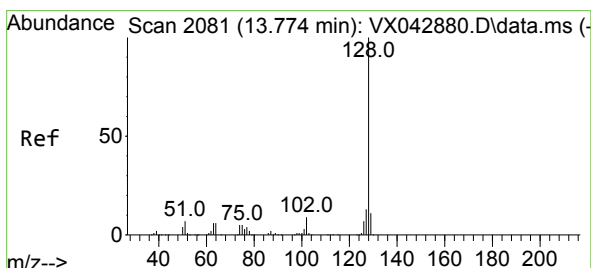
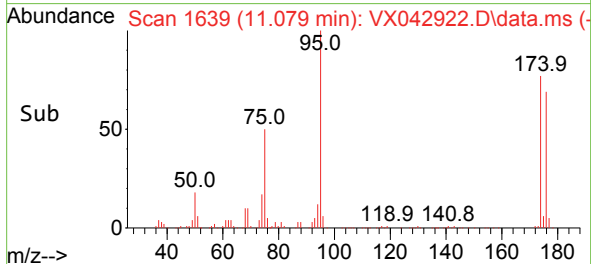
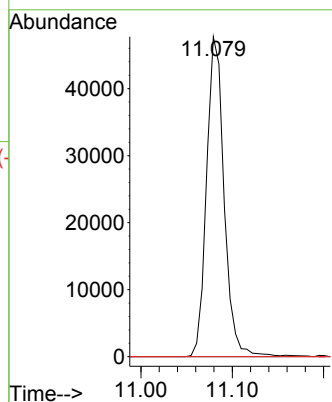
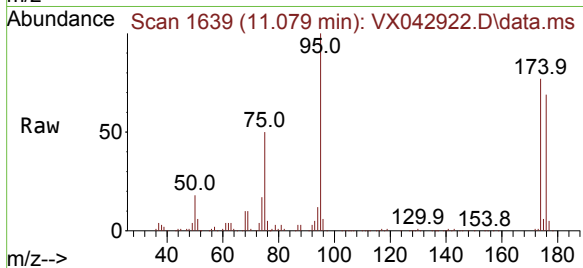




#81
trans-1,4-Dichloro-2-butene
Concen: 79.474 ug/l
RT: 11.079 min Scan# 1
Delta R.T. 0.061 min
Lab File: VX042922.D
Acq: 07 Aug 2024 17:45

Instrument :
MSVOA_X
ClientSampleId :
S-861-K2-SO-13.5-14-072024-FDME

Tgt Ion: 75 Resp: 63414
Ion Ratio Lower Upper
75 100
53 0.0 90.5 135.7#
89 0.0 36.9 55.3#



#95
Naphthalene
Concen: 0.236 ug/l
RT: 13.786 min Scan# 2083
Delta R.T. 0.012 min
Lab File: VX042922.D
Acq: 07 Aug 2024 17:45

Tgt Ion:128 Resp: 1919
Ion Ratio Lower Upper
128 100
127 2.5 10.3 15.5#
129 10.1 8.8 13.2

