

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN020524\
 Data File : VN080913.D
 Acq On : 05 Feb 2024 21:50
 Operator : JC\MD
 Sample : P1367-10
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 EB-7-5-7D

Quant Time: Feb 06 04:50:15 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N012924W.M
 Quant Title : SW846 8260
 QLast Update : Mon Jan 29 12:54:23 2024
 Response via : Initial Calibration

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

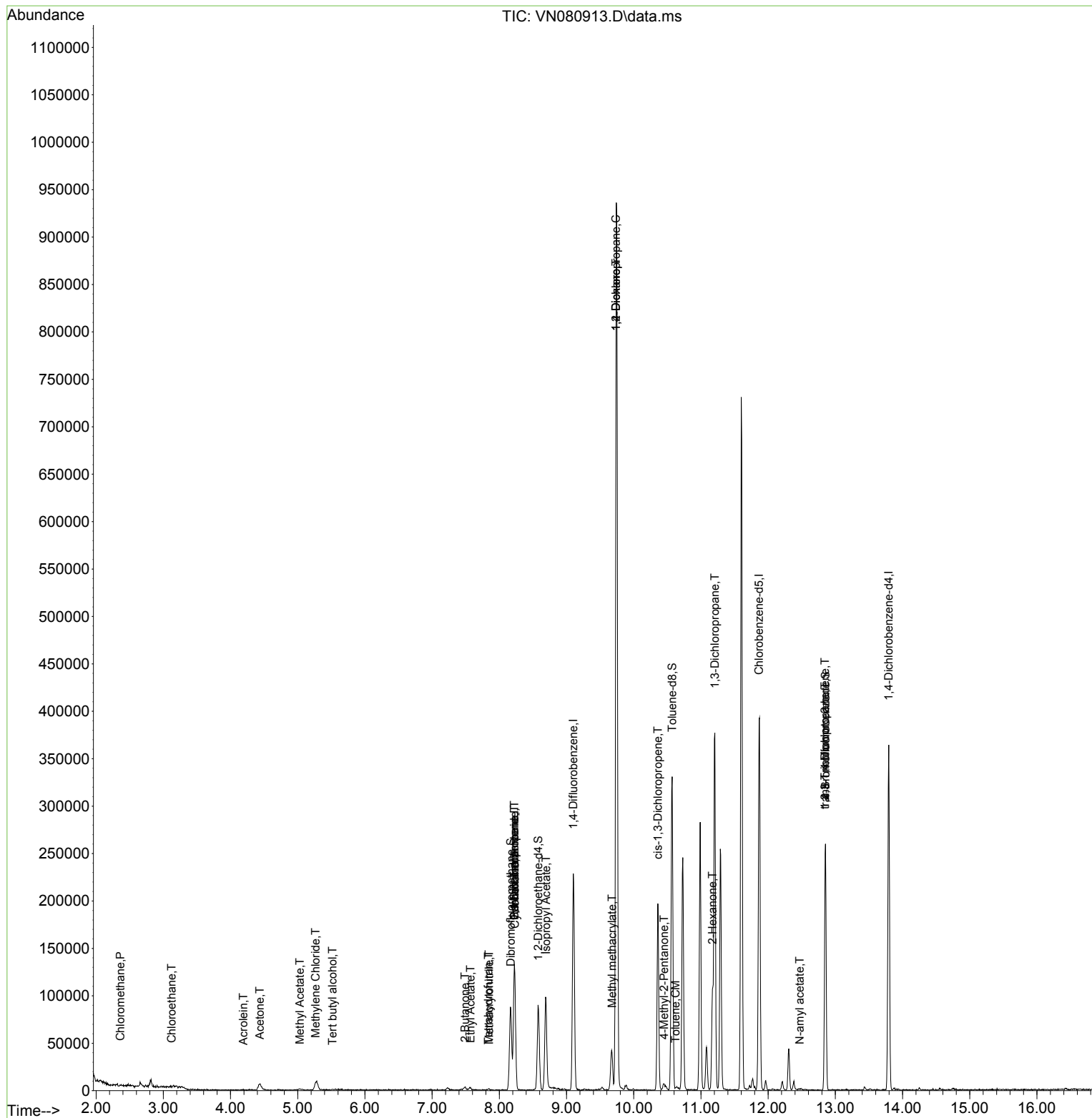
Internal Standards						
1) Pentafluorobenzene	8.224	168	79484	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	173067	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	200035	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	82550	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.577	65	64791	47.119	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 94.240%			
35) Dibromofluoromethane	8.171	113	56051	52.937	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 105.880%			
50) Toluene-d8	10.571	98	211158	50.953	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 101.900%			
62) 4-Bromofluorobenzene	12.853	95	86944	60.205	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 120.400%			
Target Compounds					Qvalue	
3) Chloromethane	2.359	50	1296	0.730	ug/l #	43
6) Chloroethane	3.124	64	625	0.869	ug/l #	42
11) Tert butyl alcohol	5.518	59	229	1.022	ug/l #	72
13) Acrolein	4.189	56	134	0.474	ug/l #	63
16) Acetone	4.436	43	14294	28.663	ug/l	92
18) Methyl Acetate	5.030	43	2721	1.566	ug/l #	54
20) Methylene Chloride	5.265	84	3471	2.651	ug/l #	77
25) 2-Butanone	7.489	43	5396	5.697	ug/l	91
29) Tetrahydrofuran	7.836	42	817	1.275	ug/l #	45
31) Cyclohexane	8.230	56	3621	1.536	ug/l #	35
36) 1,1-Dichloropropene	8.224	75	9826	4.993	ug/l #	50
37) Ethyl Acetate	7.571	43	4085	2.016	ug/l #	84
38) Carbon Tetrachloride	8.224	117	9995	6.303	ug/l #	14
41) Methacrylonitrile	7.847	41	628	0.526	ug/l #	38
43) Isopropyl Acetate	8.694	43	115589	31.338	ug/l #	89
45) 1,2-Dichloropropane	9.735	63	1399	0.894	ug/l #	42
48) Methyl methacrylate	9.677	41	2702	1.511	ug/l #	47
49) 1,4-Dioxane	9.735	88	71	3.296	ug/l #	1
51) 4-Methyl-2-Pentanone	10.453	43	8330	4.040	ug/l #	75
52) Toluene	10.624	92	1183	0.357	ug/l	97
54) cis-1,3-Dichloropropene	10.359	75	31795	13.322	ug/l #	66
57) 1,3-Dichloropropane	11.206	76	3212	1.339	ug/l #	43
59) 2-Hexanone	11.171	43	85694	53.503	ug/l #	26
74) N-amyl acetate	12.471	43	1097	0.234	ug/l #	46
76) 1,2,3-Trichloropropane	12.847	75	51741	20.782	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.847	75	51741	53.538	ug/l #	14

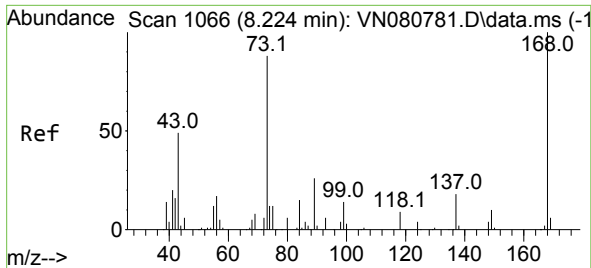
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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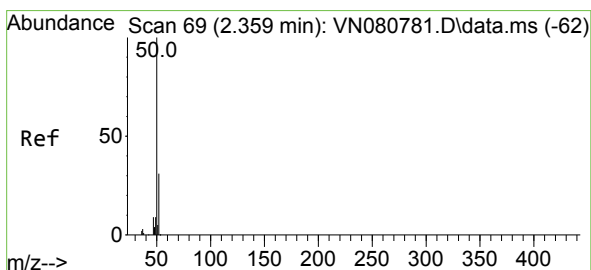
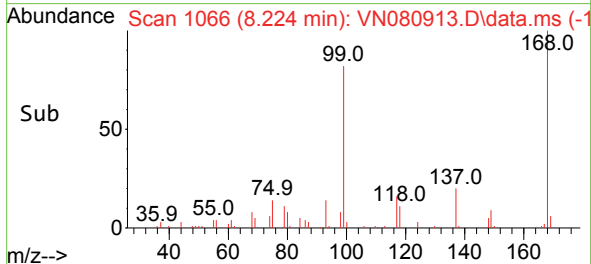
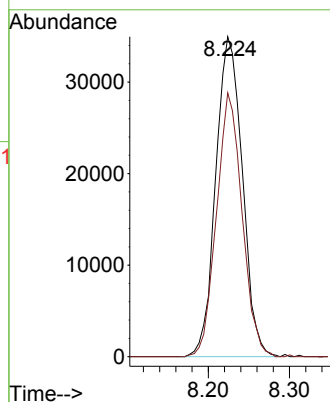
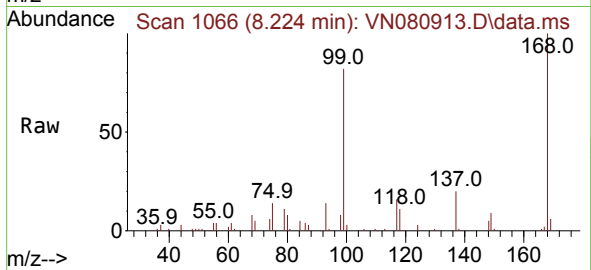




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. -0.000 min
Lab File: VN080913.D
Acq: 05 Feb 2024 21:50

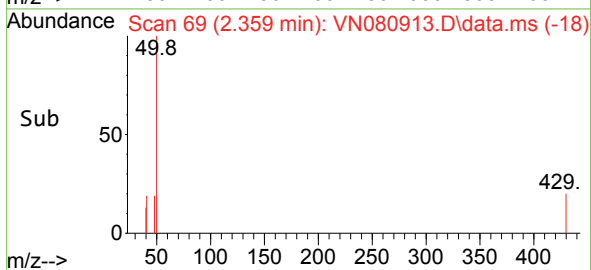
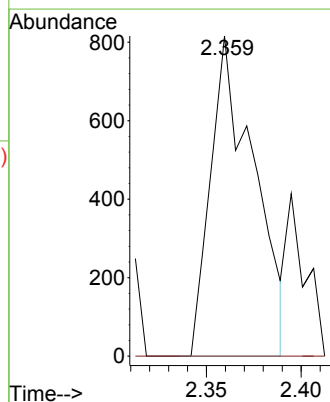
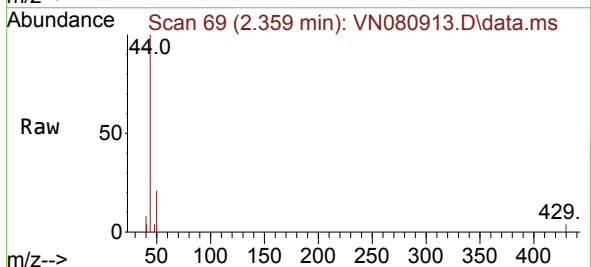
Instrument :
MSVOA_N
ClientSampleId :
EB-7-5-7D

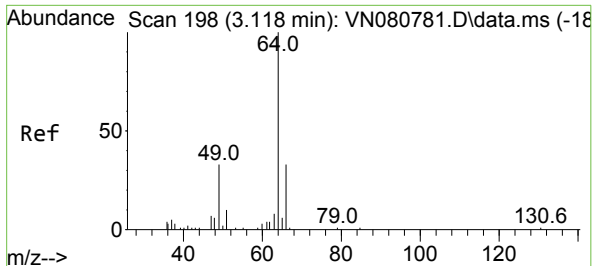
Tgt Ion:168 Resp: 79484
Ion Ratio Lower Upper
168 100
99 82.4 59.9 89.9



#3
Chloromethane
Concen: 0.730 ug/l
RT: 2.359 min Scan# 69
Delta R.T. 0.000 min
Lab File: VN080913.D
Acq: 05 Feb 2024 21:50

Tgt Ion: 50 Resp: 1296
Ion Ratio Lower Upper
50 100
52 0.0 25.0 37.4#

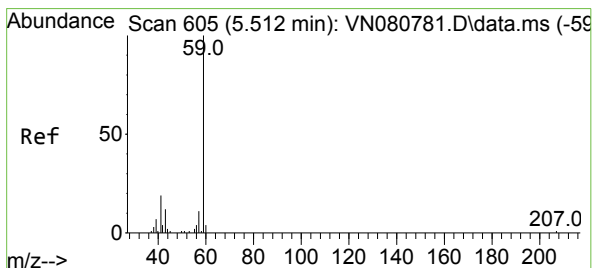
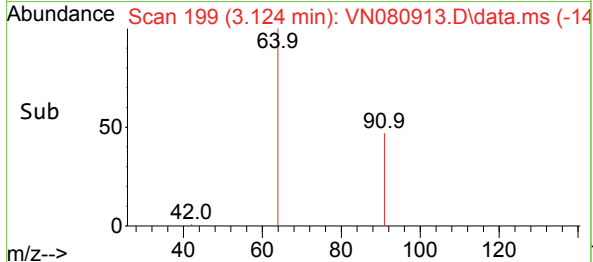
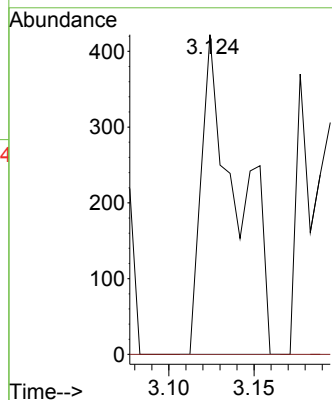
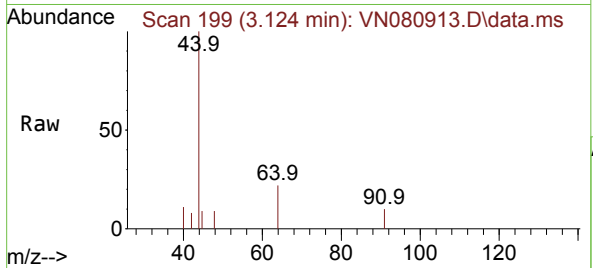




#6
Chloroethane
Concen: 0.869 ug/l
RT: 3.124 min Scan# 198
Delta R.T. 0.006 min
Lab File: VN080913.D
Acq: 05 Feb 2024 21:50

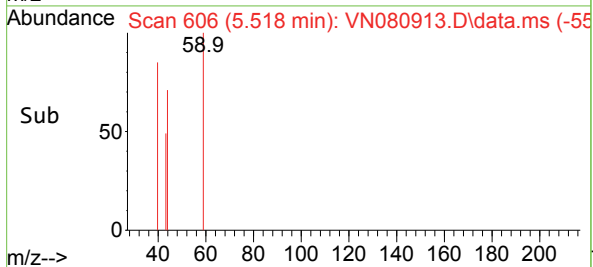
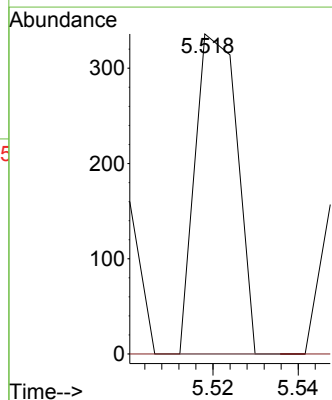
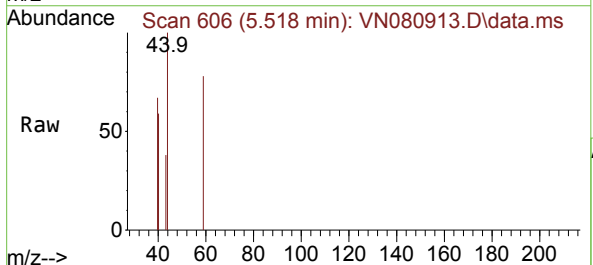
Instrument :
MSVOA_N
ClientSampleId :
EB-7-5-7D

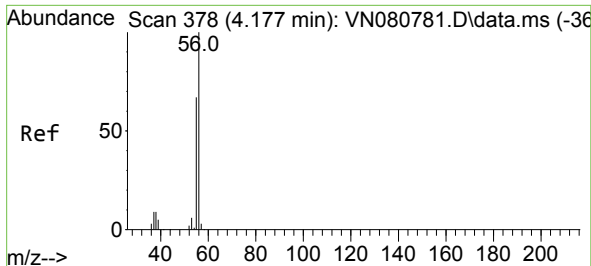
Tgt Ion: 64 Resp: 625
Ion Ratio Lower Upper
64 100
66 0.0 26.4 39.6#



#11
Tert butyl alcohol
Concen: 1.022 ug/l
RT: 5.518 min Scan# 606
Delta R.T. 0.006 min
Lab File: VN080913.D
Acq: 05 Feb 2024 21:50

Tgt Ion: 59 Resp: 229
Ion Ratio Lower Upper
59 100
57 0.0 8.6 12.8#





#13

Acrolein

Concen: 0.474 ug/l

RT: 4.189 min Scan# 31

Delta R.T. 0.012 min

Lab File: VN080913.D

Acq: 05 Feb 2024 21:50

Instrument :

MSVOA_N

ClientSampleId :

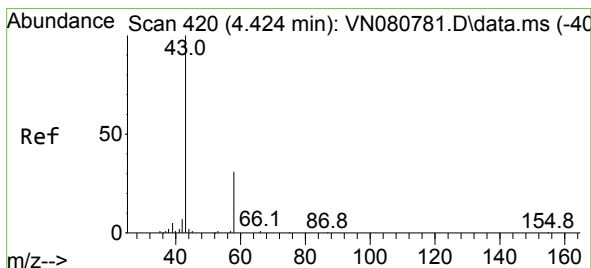
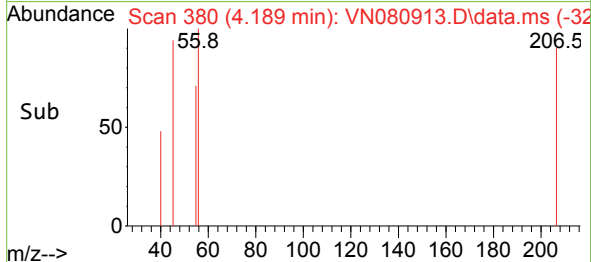
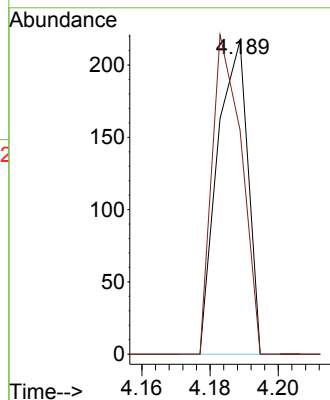
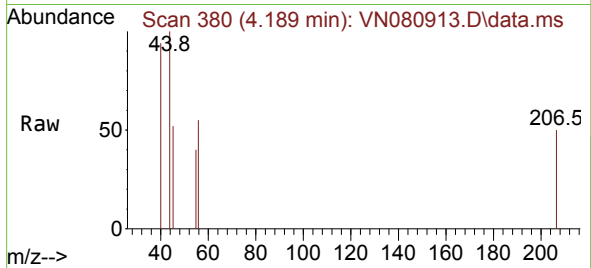
EB-7-5-7D

Tgt Ion: 56 Resp: 134

Ion Ratio Lower Upper

56 100

55 99.3 55.3 82.9#



#16

Acetone

Concen: 28.663 ug/l

RT: 4.436 min Scan# 422

Delta R.T. 0.012 min

Lab File: VN080913.D

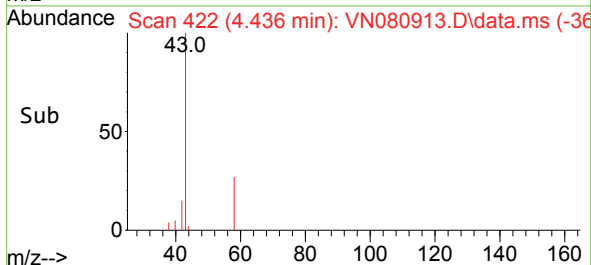
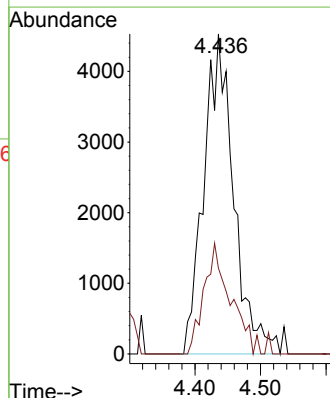
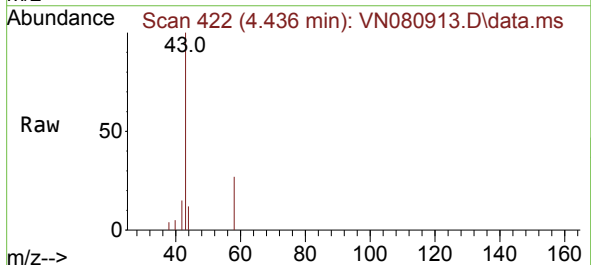
Acq: 05 Feb 2024 21:50

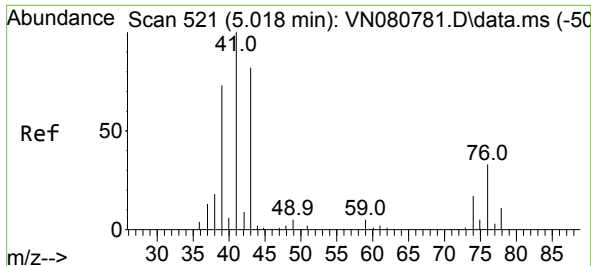
Tgt Ion: 43 Resp: 14294

Ion Ratio Lower Upper

43 100

58 26.8 24.8 37.2

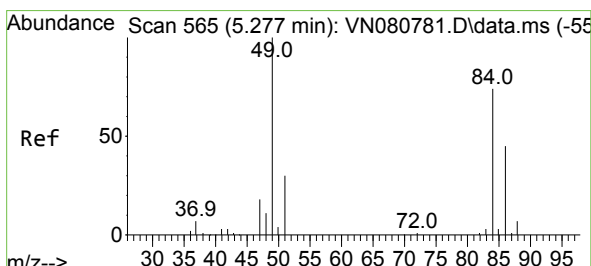
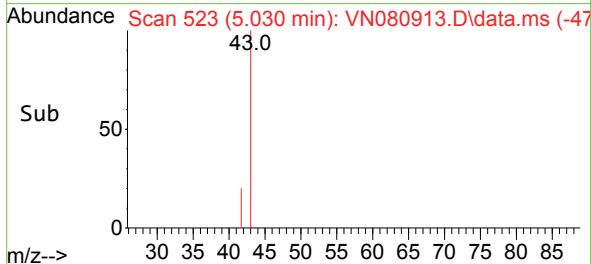
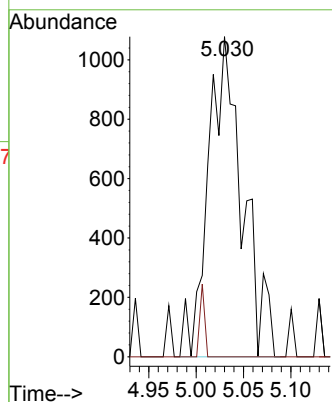
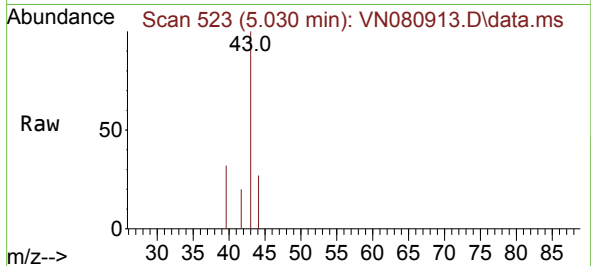




#18
Methyl Acetate
Concen: 1.566 ug/l
RT: 5.030 min Scan# 51
Delta R.T. 0.012 min
Lab File: VN080913.D
Acq: 05 Feb 2024 21:50

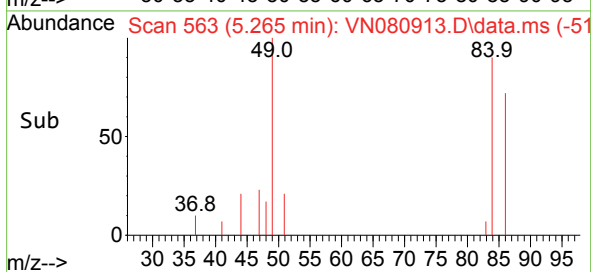
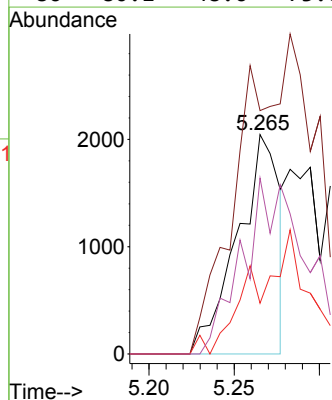
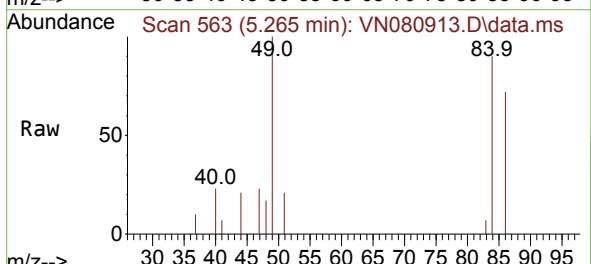
Instrument :
MSVOA_N
ClientSampleId :
EB-7-5-7D

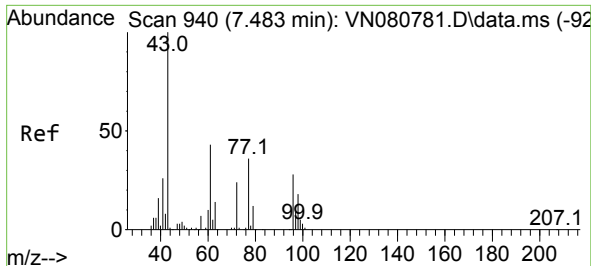
Tgt Ion: 43 Resp: 2721
Ion Ratio Lower Upper
43 100
74 0.0 17.3 25.9#



#20
Methylene Chloride
Concen: 2.651 ug/l
RT: 5.265 min Scan# 563
Delta R.T. -0.012 min
Lab File: VN080913.D
Acq: 05 Feb 2024 21:50

Tgt Ion: 84 Resp: 3471
Ion Ratio Lower Upper
84 100
49 110.9 108.1 162.1
51 23.1 32.9 49.3#
86 80.1 48.6 73.0#

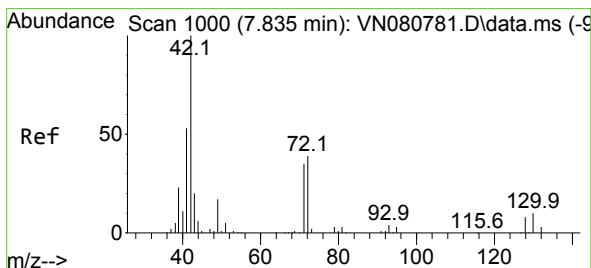
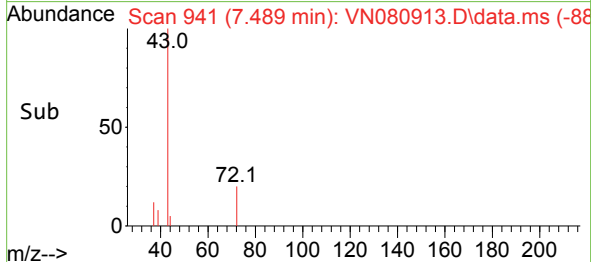
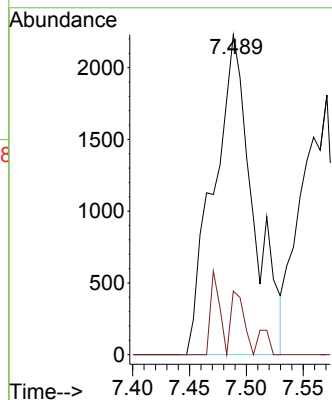
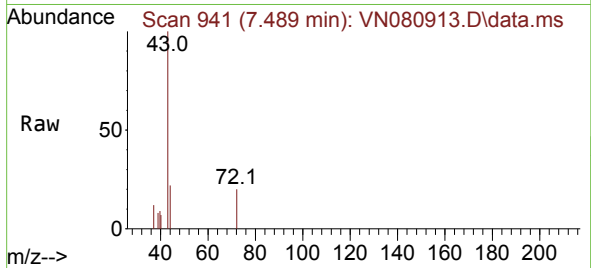




#25
2-Butanone
Concen: 5.697 ug/l
RT: 7.489 min Scan# 941
Delta R.T. 0.006 min
Lab File: VN080913.D
Acq: 05 Feb 2024 21:50

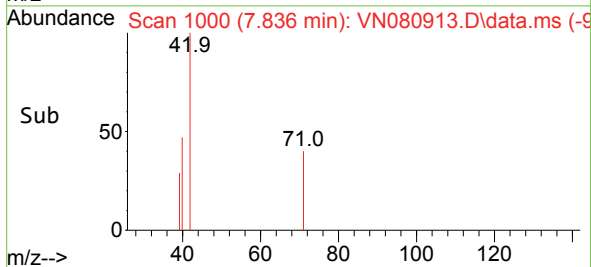
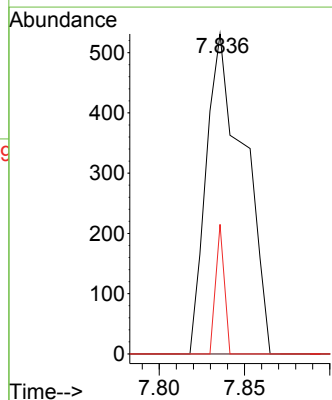
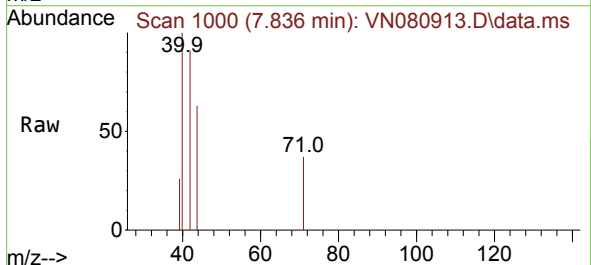
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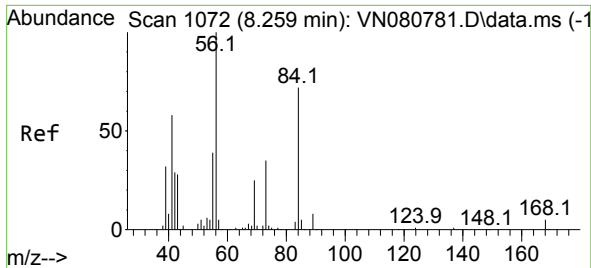
Tgt Ion: 43 Resp: 5396
Ion Ratio Lower Upper
43 100
72 19.9 19.5 29.3



#29
Tetrahydrofuran
Concen: 1.275 ug/l
RT: 7.836 min Scan# 1000
Delta R.T. 0.000 min
Lab File: VN080913.D
Acq: 05 Feb 2024 21:50

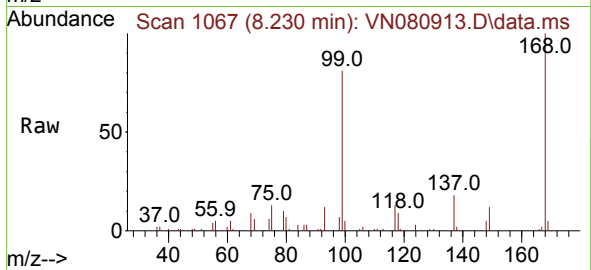
Tgt Ion: 42 Resp: 817
Ion Ratio Lower Upper
42 100
72 0.0 31.1 46.7#
71 9.3 28.3 42.5#



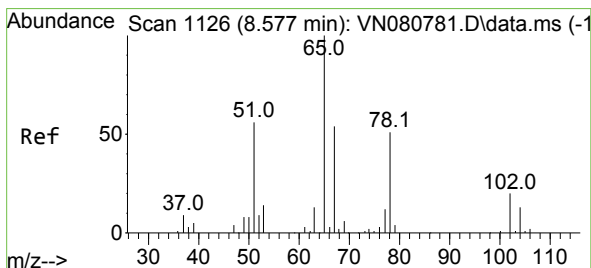
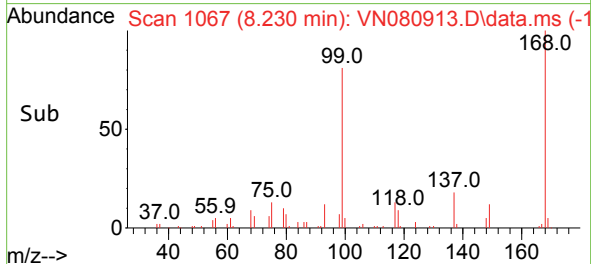
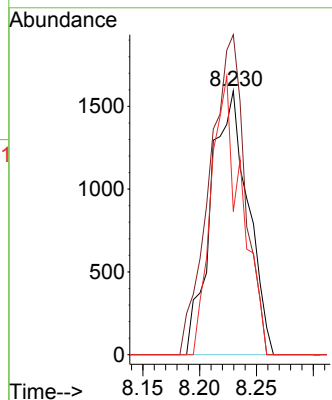


#31
Cyclohexane
Concen: 1.536 ug/l
RT: 8.230 min Scan# 1067
Delta R.T. -0.029 min
Lab File: VN080913.D
Acq: 05 Feb 2024 21:50

Instrument :
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ClientSampleId :
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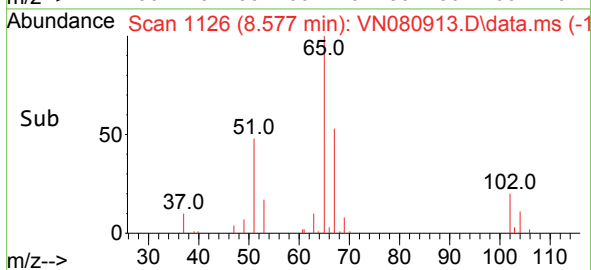
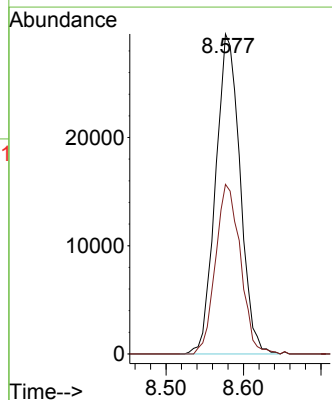
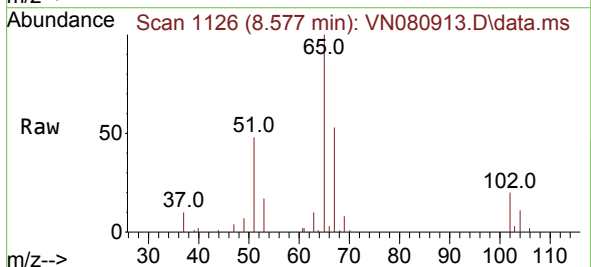


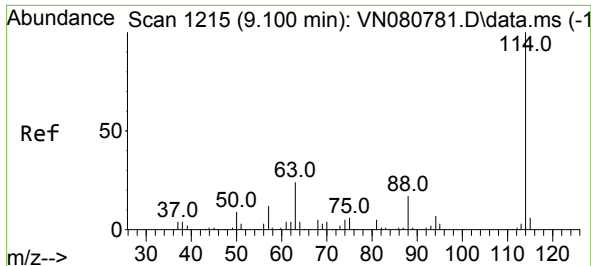
Tgt Ion: 56 Resp: 3621
Ion Ratio Lower Upper
56 100
69 121.3 20.1 30.1#
84 54.3 56.9 85.3#



#33
1,2-Dichloroethane-d4
Concen: 47.119 ug/l
RT: 8.577 min Scan# 1126
Delta R.T. 0.000 min
Lab File: VN080913.D
Acq: 05 Feb 2024 21:50

Tgt Ion: 65 Resp: 64791
Ion Ratio Lower Upper
65 100
67 54.1 0.0 102.4

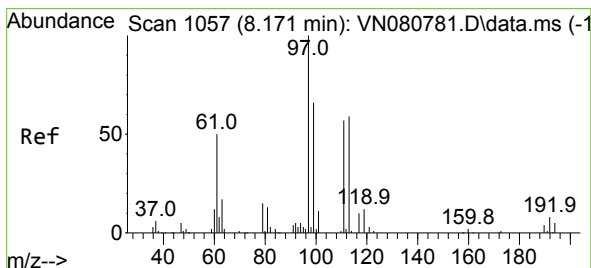
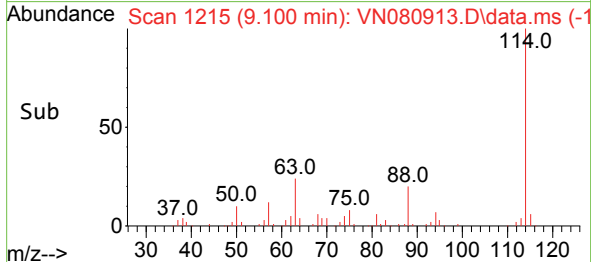
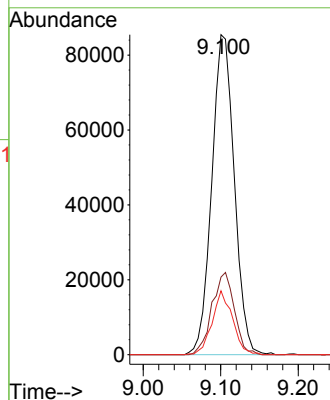
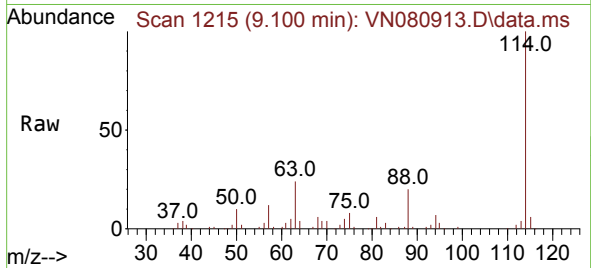




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 9.100 min Scan# 11
Delta R.T. 0.000 min
Lab File: VN080913.D
Acq: 05 Feb 2024 21:50

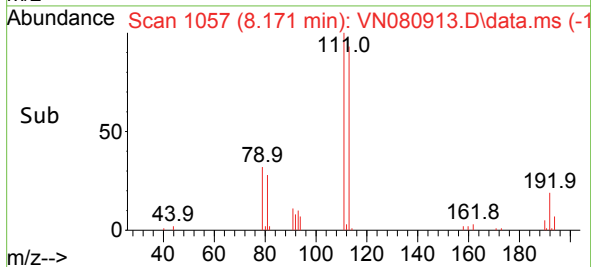
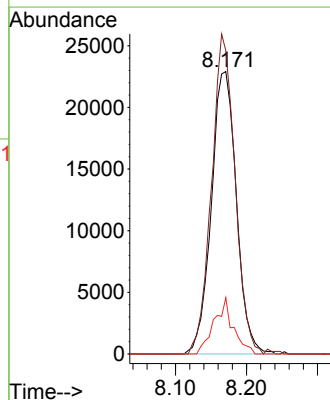
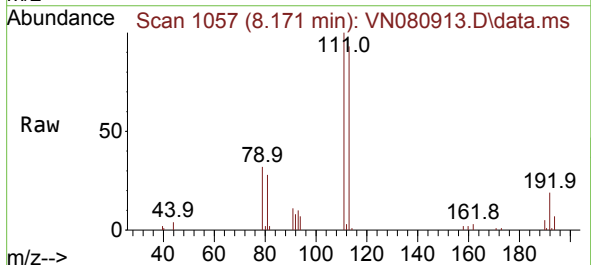
Instrument :
MSVOA_N
ClientSampleId :
EB-7-5-7D

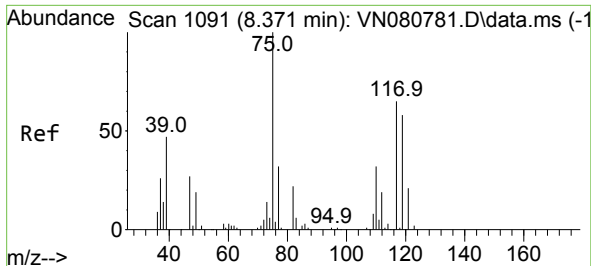
Tgt Ion:114 Resp: 173067
Ion Ratio Lower Upper
114 100
63 24.2 0.0 48.0
88 20.0 0.0 34.8



#35
Dibromofluoromethane
Concen: 52.937 ug/l
RT: 8.171 min Scan# 1057
Delta R.T. 0.000 min
Lab File: VN080913.D
Acq: 05 Feb 2024 21:50

Tgt Ion:113 Resp: 56051
Ion Ratio Lower Upper
113 100
111 106.0 82.2 123.4
192 15.2 12.5 18.7





#36

1,1-Dichloropropene

Concen: 4.993 ug/l

RT: 8.224 min Scan# 1066

Delta R.T. -0.147 min

Lab File: VN080913.D

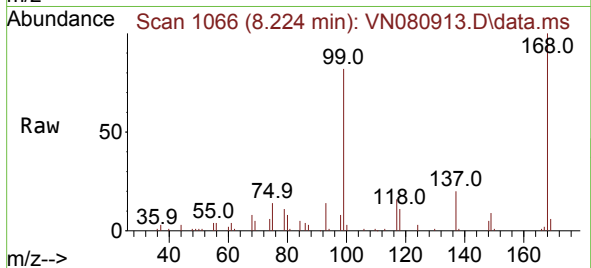
Acq: 05 Feb 2024 21:50

Instrument :

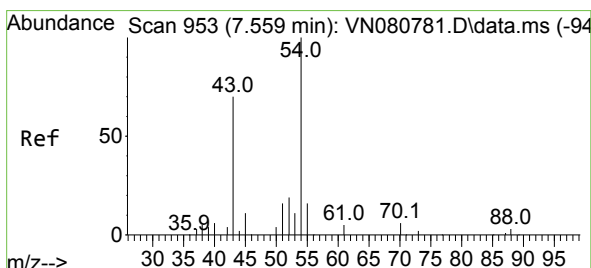
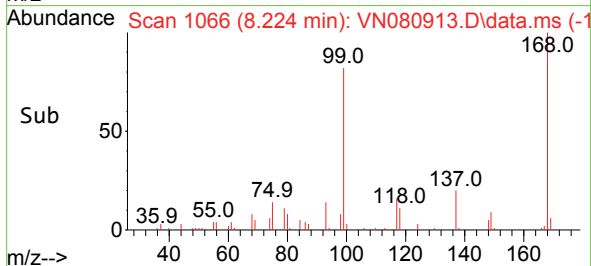
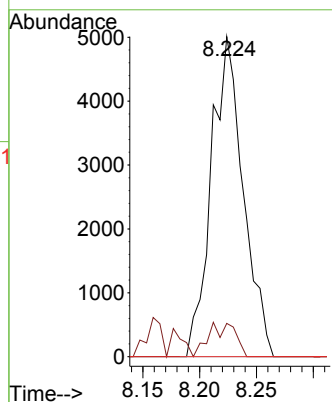
MSVOA_N

ClientSampleId :

EB-7-5-7D



Tgt Ion:	75	Resp:	9826
Ion	Ratio	Lower	Upper
75	100		
110	8.8	16.0	48.0#
77	0.0	25.8	38.6#



#37

Ethyl Acetate

Concen: 2.016 ug/l

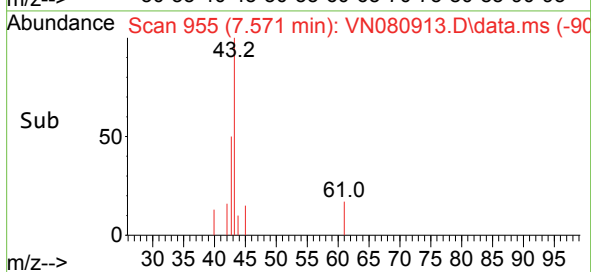
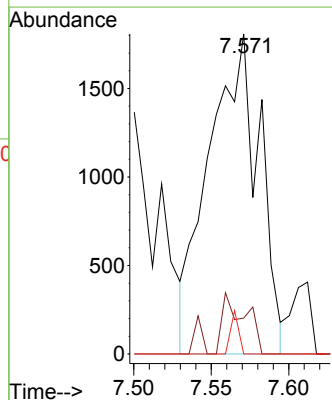
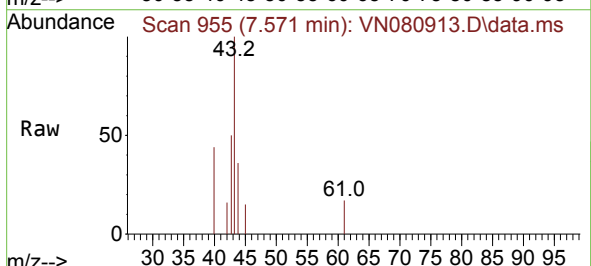
RT: 7.571 min Scan# 955

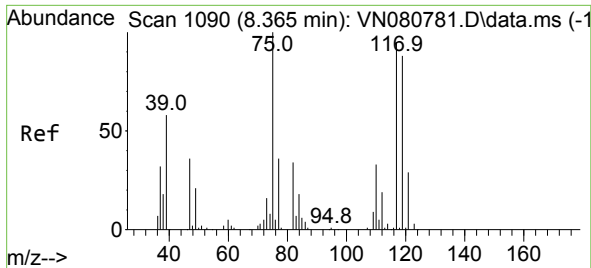
Delta R.T. 0.012 min

Lab File: VN080913.D

Acq: 05 Feb 2024 21:50

Tgt Ion:	43	Resp:	4085
Ion	Ratio	Lower	Upper
43	100		
61	8.7	10.6	15.8#
70	2.1	8.0	12.0#

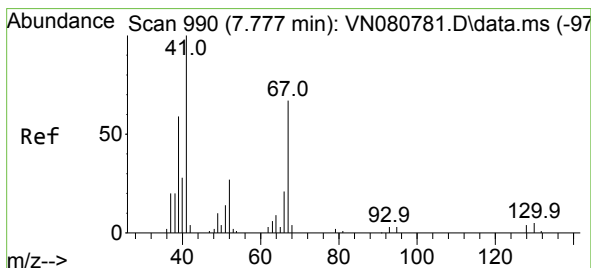
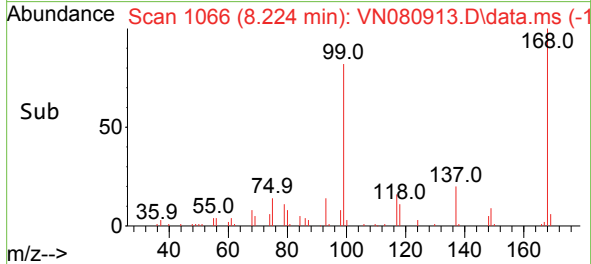
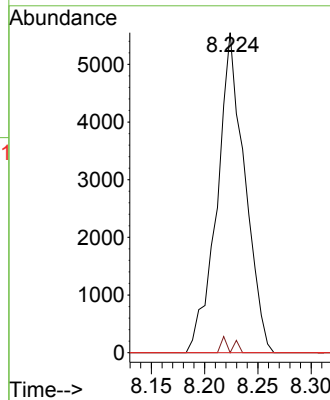
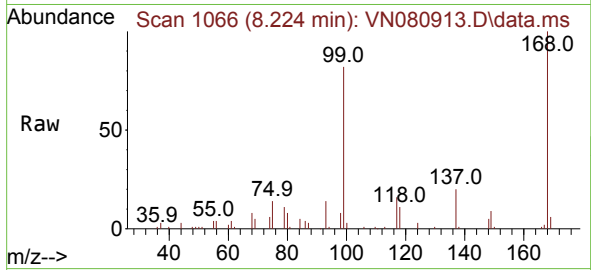




#38
Carbon Tetrachloride
Concen: 6.303 ug/l
RT: 8.224 min Scan# 1000
Delta R.T. -0.141 min
Lab File: VN080913.D
Acq: 05 Feb 2024 21:50

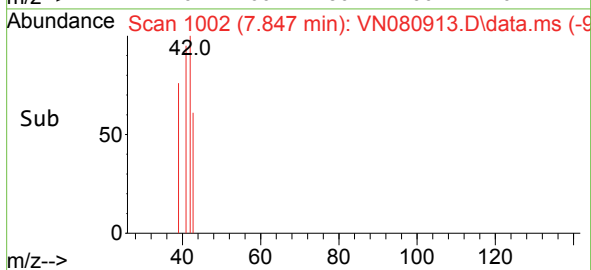
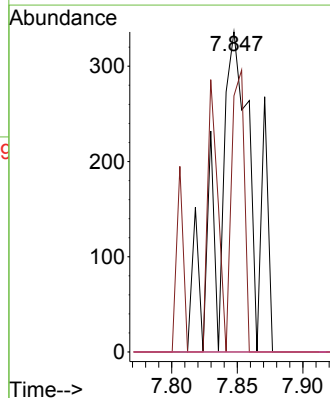
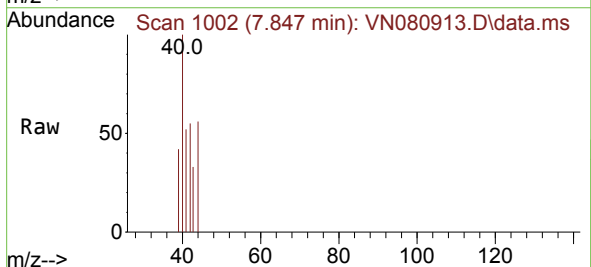
Instrument :
MSVOA_N
ClientSampleId :
EB-7-5-7D

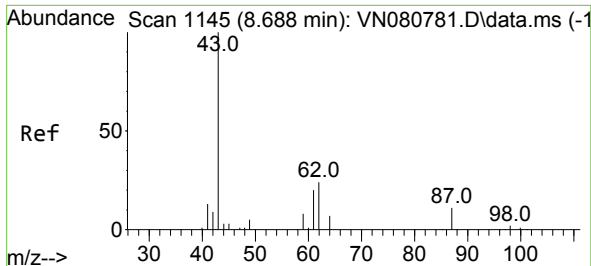
Tgt Ion:117 Resp: 9995
Ion Ratio Lower Upper
117 100
119 0.0 73.4 110.2#
121 0.0 24.4 36.6#



#41
Methacrylonitrile
Concen: 0.526 ug/l
RT: 7.847 min Scan# 1002
Delta R.T. 0.071 min
Lab File: VN080913.D
Acq: 05 Feb 2024 21:50

Tgt Ion: 41 Resp: 628
Ion Ratio Lower Upper
41 100
39 31.7 48.4 72.6#
67 0.0 56.8 85.2#
52 0.0 25.0 37.4#

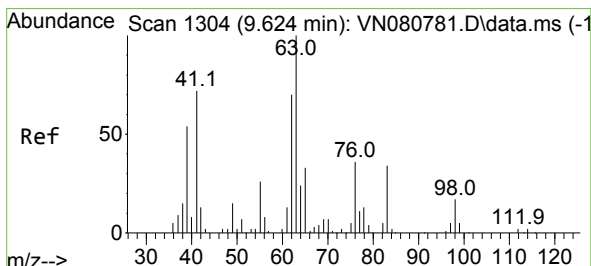
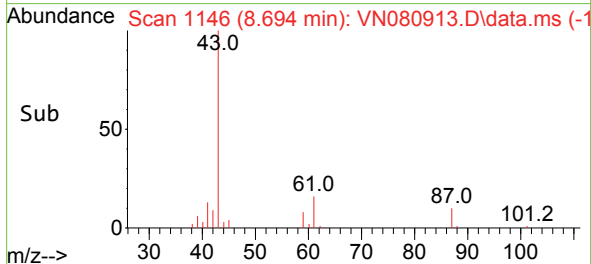
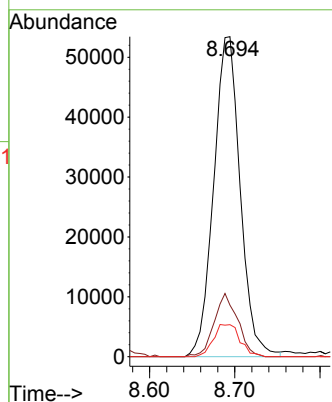
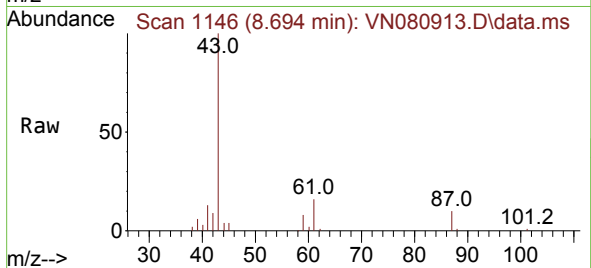




#43
Isopropyl Acetate
Concen: 31.338 ug/l
RT: 8.694 min Scan# 1146
Delta R.T. 0.006 min
Lab File: VN080913.D
Acq: 05 Feb 2024 21:50

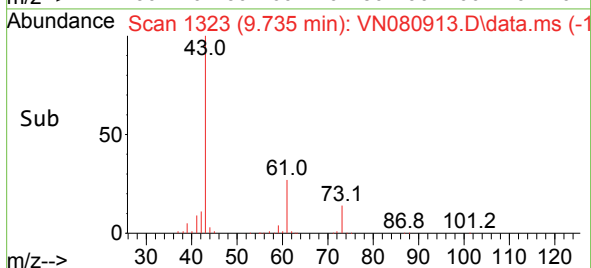
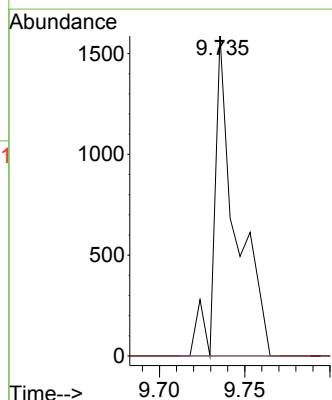
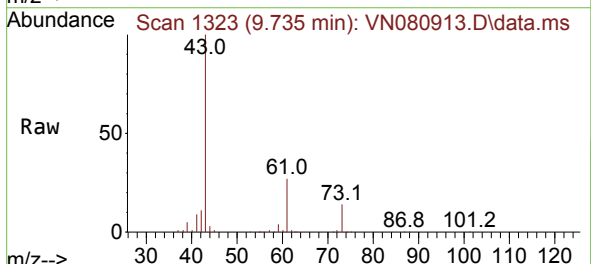
Instrument :
MSVOA_N
ClientSampleId :
EB-7-5-7D

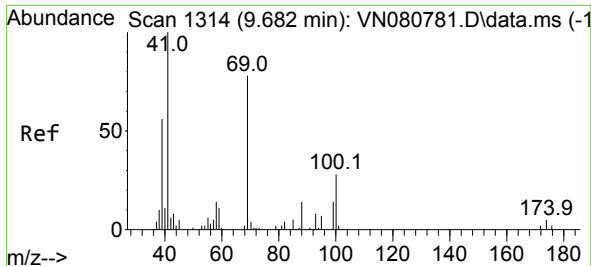
Tgt Ion: 43 Resp: 115589
Ion Ratio Lower Upper
43 100
61 17.6 19.9 29.9#
87 10.1 9.0 13.6



#45
1,2-Dichloropropane
Concen: 0.894 ug/l
RT: 9.735 min Scan# 1323
Delta R.T. 0.112 min
Lab File: VN080913.D
Acq: 05 Feb 2024 21:50

Tgt Ion: 63 Resp: 1399
Ion Ratio Lower Upper
63 100
65 0.0 26.1 39.1#

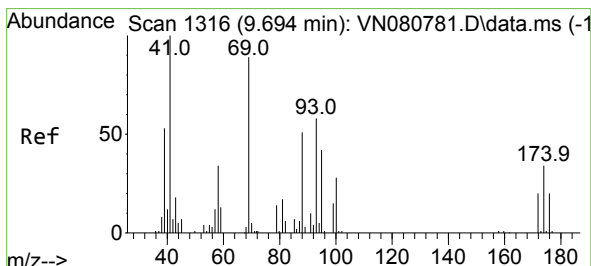
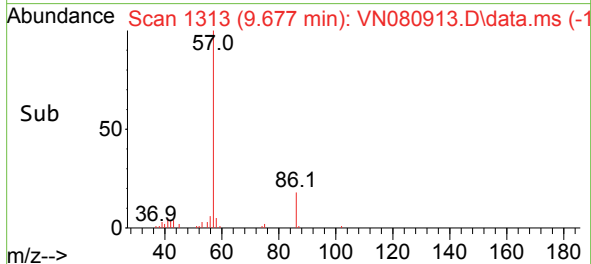
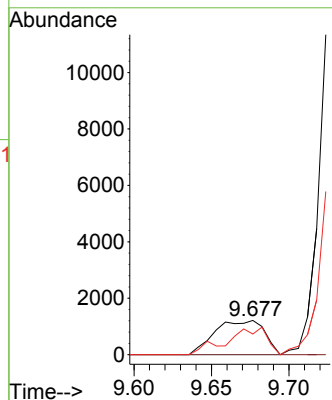
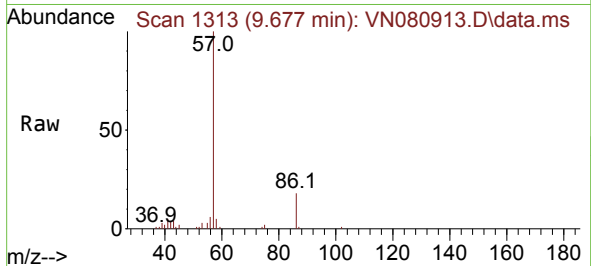




#48
Methyl methacrylate
Concen: 1.511 ug/l
RT: 9.677 min Scan# 11
Delta R.T. -0.006 min
Lab File: VN080913.D
Acq: 05 Feb 2024 21:50

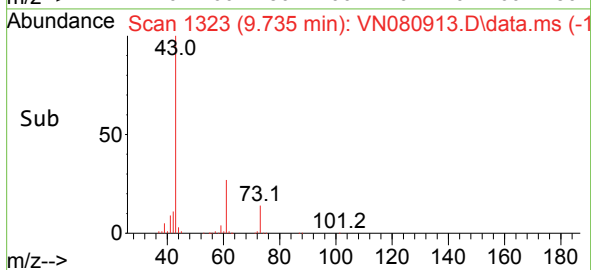
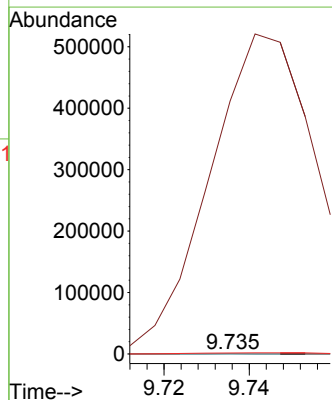
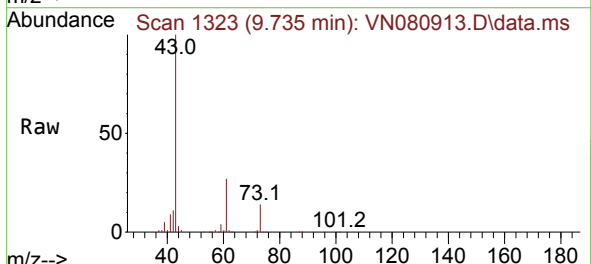
Instrument :
MSVOA_N
ClientSampleId :
EB-7-5-7D

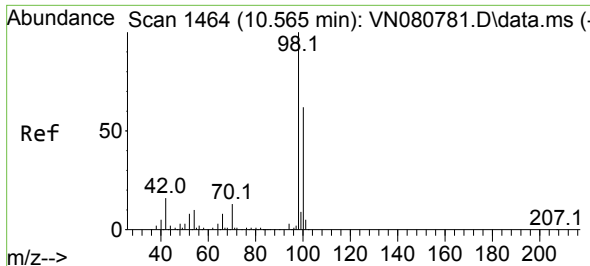
Tgt Ion: 41 Resp: 2702
Ion Ratio Lower Upper
41 100
69 0.0 62.2 93.2#
39 64.2 47.6 71.4



#49
1,4-Dioxane
Concen: 3.296 ug/l
RT: 9.735 min Scan# 1323
Delta R.T. 0.041 min
Lab File: VN080913.D
Acq: 05 Feb 2024 21:50

Tgt Ion: 88 Resp: 71
Ion Ratio Lower Upper
88 100
43 1338443.7 30.1 45.1#
58 5732.4 63.9 95.9#

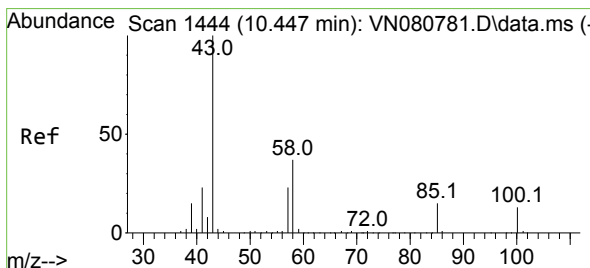
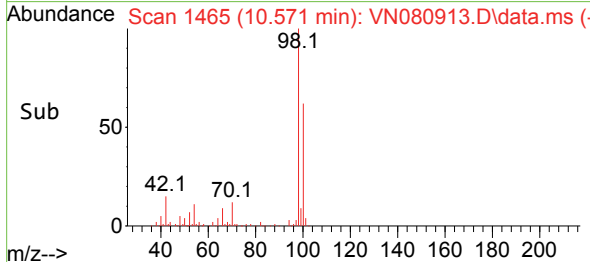
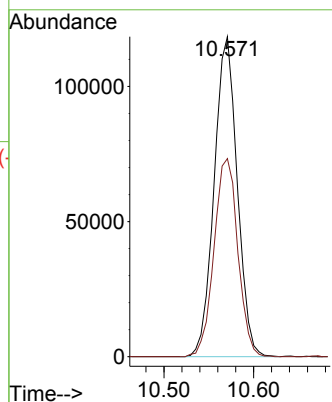
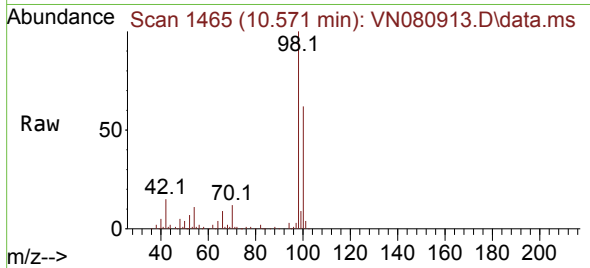




#50
Toluene-d8
Concen: 50.953 ug/l
RT: 10.571 min Scan# 1465
Delta R.T. 0.006 min
Lab File: VN080913.D
Acq: 05 Feb 2024 21:50

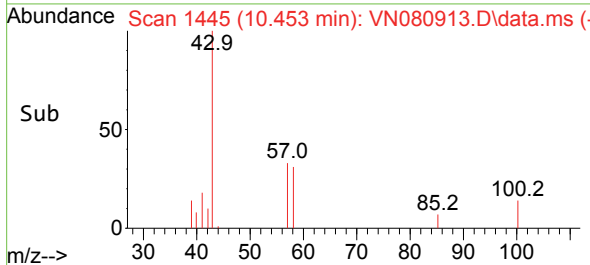
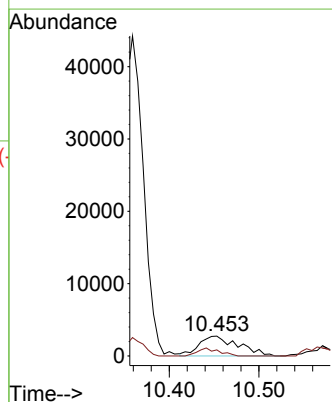
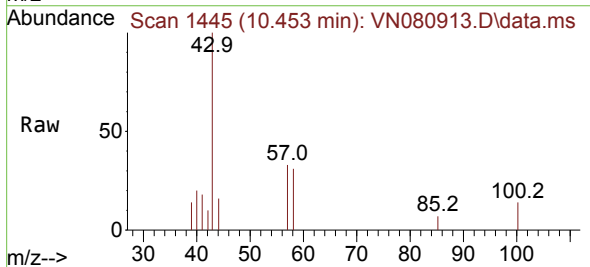
Instrument :
MSVOA_N
ClientSampleId :
EB-7-5-7D

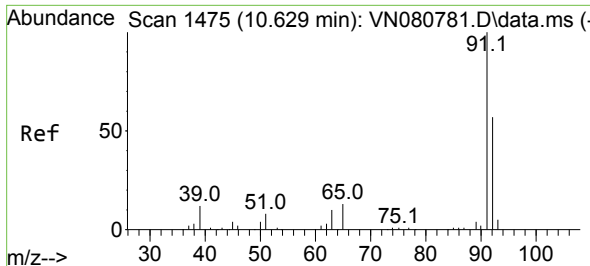
Tgt Ion: 98 Resp: 211158
Ion Ratio Lower Upper
98 100
100 63.9 51.4 77.0



#51
4-Methyl-2-Pentanone
Concen: 4.040 ug/l
RT: 10.453 min Scan# 1445
Delta R.T. 0.006 min
Lab File: VN080913.D
Acq: 05 Feb 2024 21:50

Tgt Ion: 43 Resp: 8330
Ion Ratio Lower Upper
43 100
58 21.6 29.4 44.0#

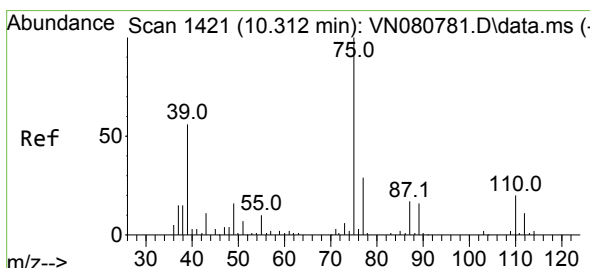
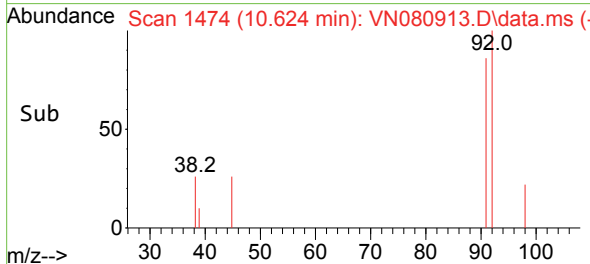
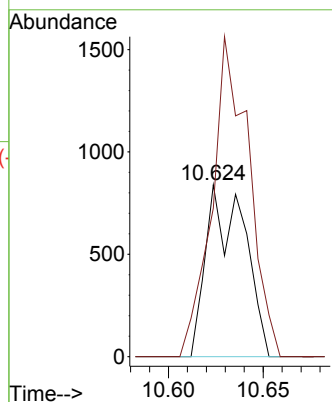
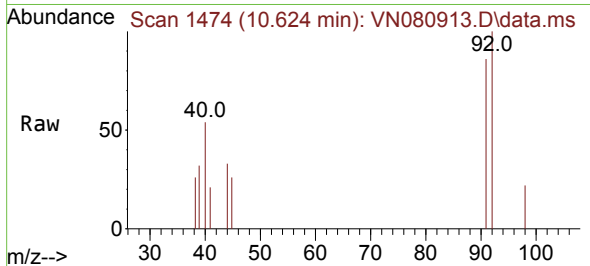




#52
Toluene
Concen: 0.357 ug/l
RT: 10.624 min Scan# 1475
Delta R.T. -0.006 min
Lab File: VN080913.D
Acq: 05 Feb 2024 21:50

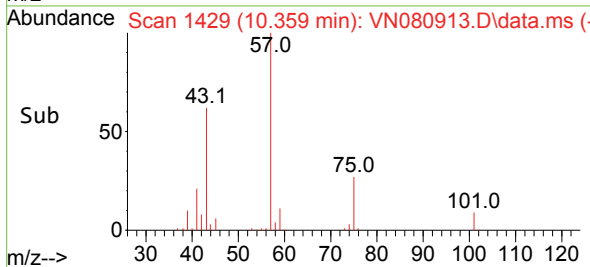
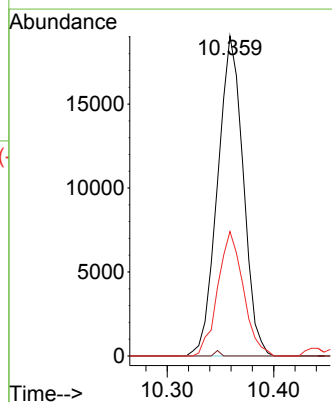
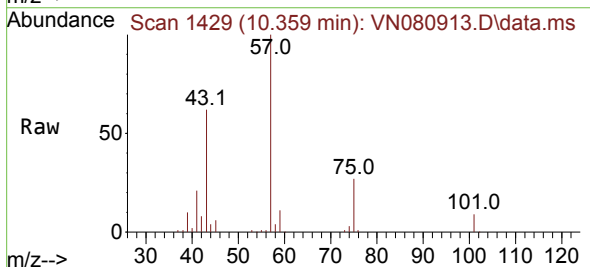
Instrument :
MSVOA_N
ClientSampleId :
EB-7-5-7D

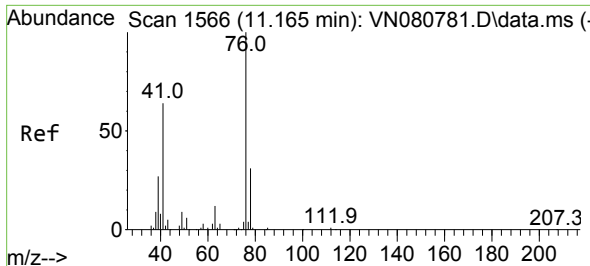
Tgt Ion: 92 Resp: 1183
Ion Ratio Lower Upper
92 100
91 178.4 139.4 209.0



#54
cis-1,3-Dichloropropene
Concen: 13.322 ug/l
RT: 10.359 min Scan# 1429
Delta R.T. 0.047 min
Lab File: VN080913.D
Acq: 05 Feb 2024 21:50

Tgt Ion: 75 Resp: 31795
Ion Ratio Lower Upper
75 100
77 0.0 23.3 34.9#
39 38.9 44.6 66.8#





#57

1,3-Dichloropropane

Concen: 1.339 ug/l

RT: 11.206 min Scan# 1573

Delta R.T. 0.041 min

Lab File: VN080913.D

Acq: 05 Feb 2024 21:50

Instrument :

MSVOA_N

ClientSampleId :

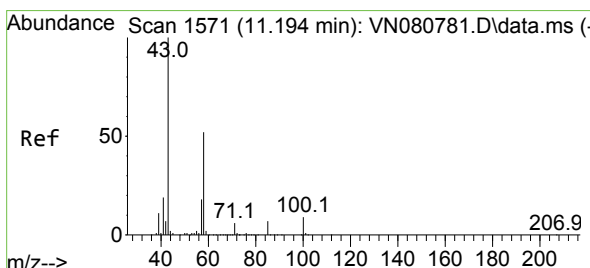
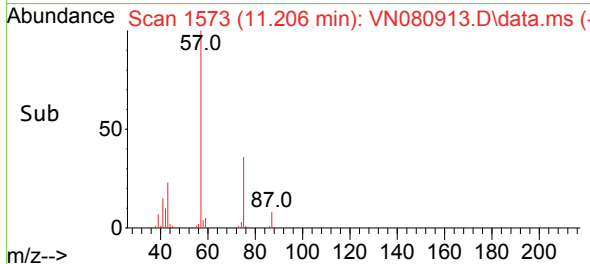
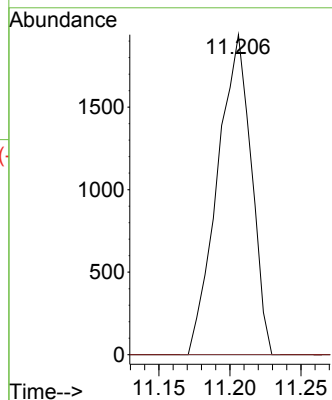
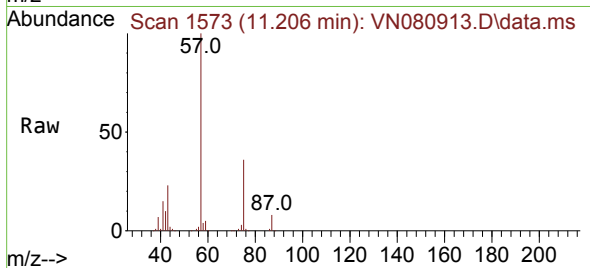
EB-7-5-7D

Tgt Ion: 76 Resp: 3212

Ion Ratio Lower Upper

76 100

78 0.0 25.5 38.3#



#59

2-Hexanone

Concen: 53.503 ug/l

RT: 11.171 min Scan# 1567

Delta R.T. -0.023 min

Lab File: VN080913.D

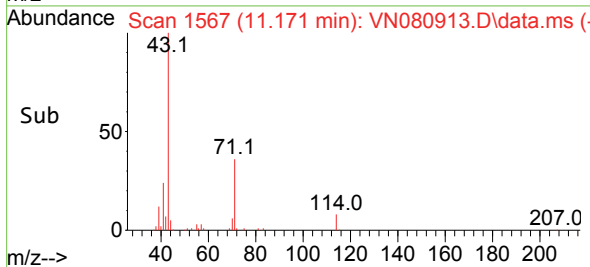
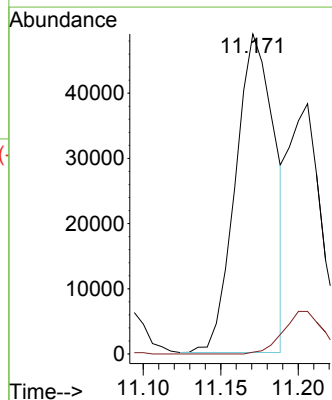
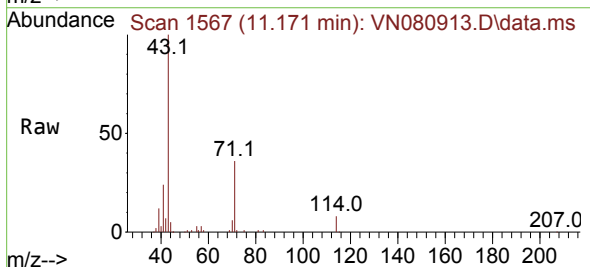
Acq: 05 Feb 2024 21:50

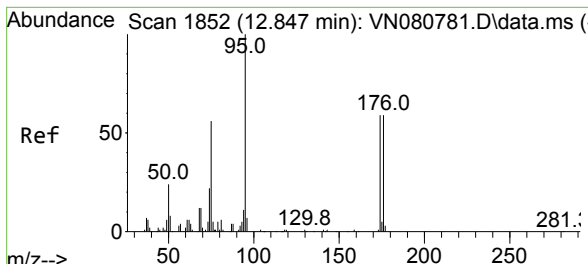
Tgt Ion: 43 Resp: 85694

Ion Ratio Lower Upper

43 100

58 0.0 25.9 77.8#

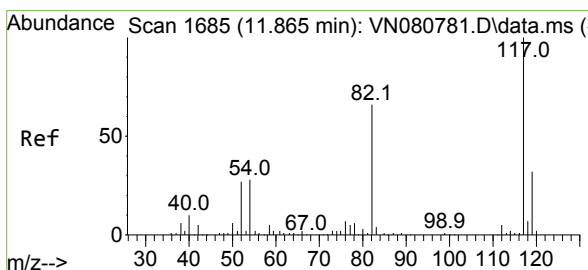
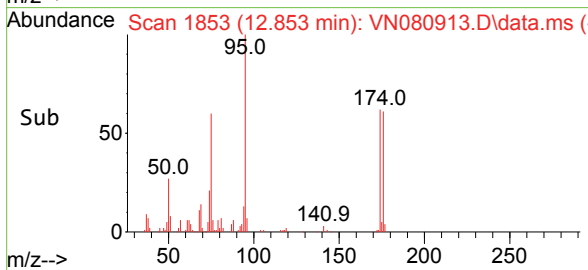
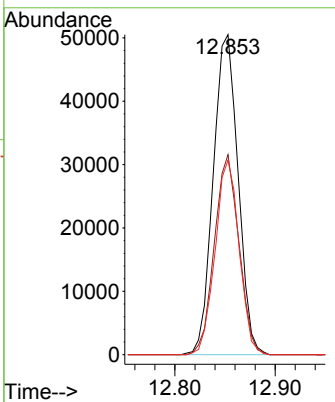
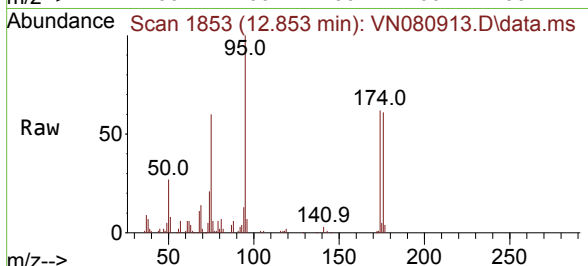




#62
 4-Bromofluorobenzene
 Concen: 60.205 ug/l
 RT: 12.853 min Scan# 1853
 Delta R.T. 0.006 min
 Lab File: VN080913.D
 Acq: 05 Feb 2024 21:50

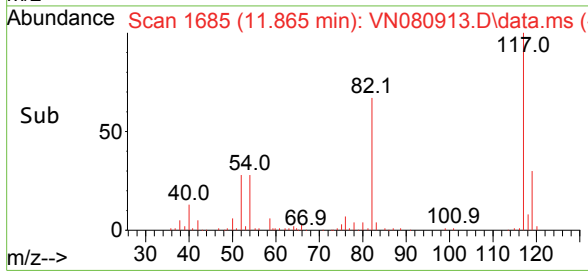
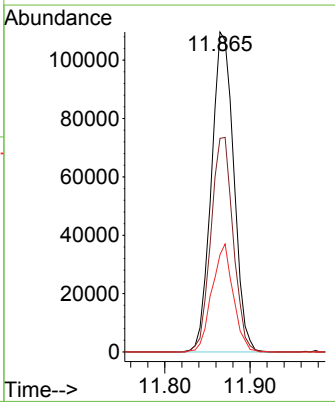
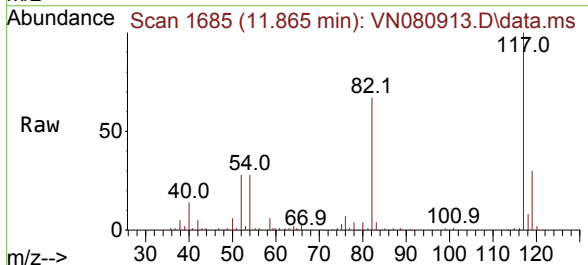
Instrument :
 MSVOA_N
 ClientSampleId :
 EB-7-5-7D

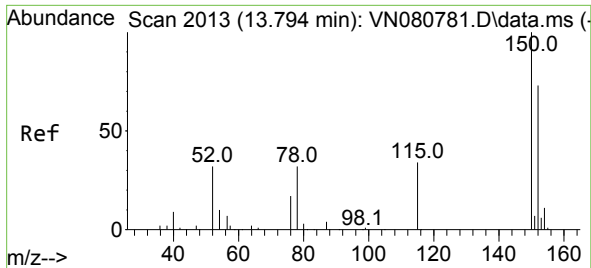
Tgt Ion:	95	Resp:	86944
Ion	Ratio	Lower	Upper
95	100		
174	61.5	0.0	120.4
176	58.5	0.0	121.0



#63
 Chlorobenzene-d5
 Concen: 50.000 ug/l
 RT: 11.865 min Scan# 1685
 Delta R.T. 0.000 min
 Lab File: VN080913.D
 Acq: 05 Feb 2024 21:50

Tgt Ion:	117	Resp:	200035
Ion	Ratio	Lower	Upper
117	100		
82	66.8	52.7	79.1
119	30.4	25.3	37.9

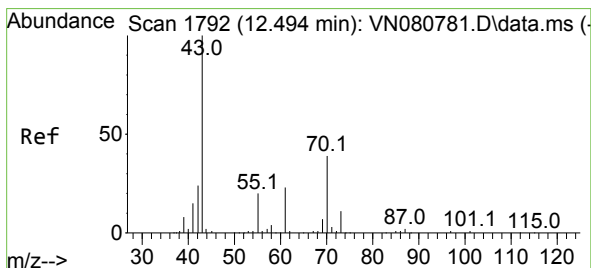
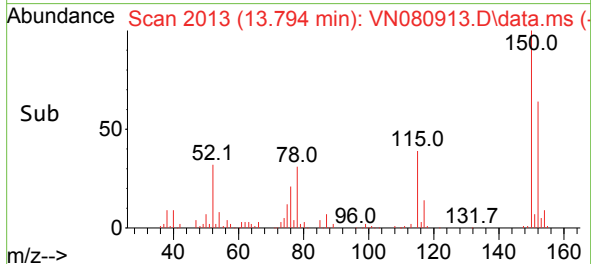
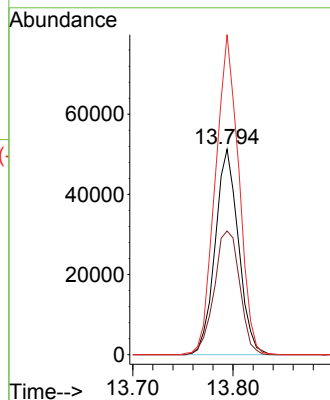
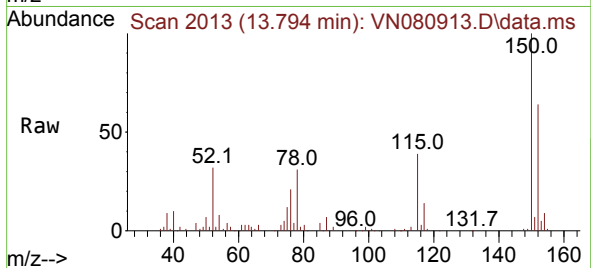




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.794 min Scan# 20
 Delta R.T. 0.000 min
 Lab File: VN080913.D
 Acq: 05 Feb 2024 21:50

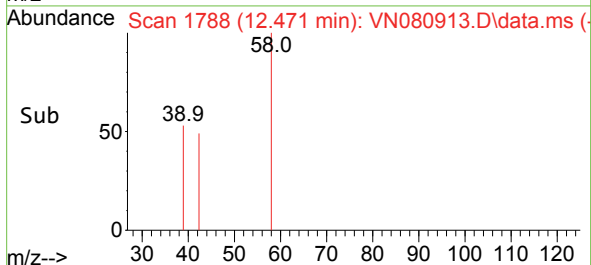
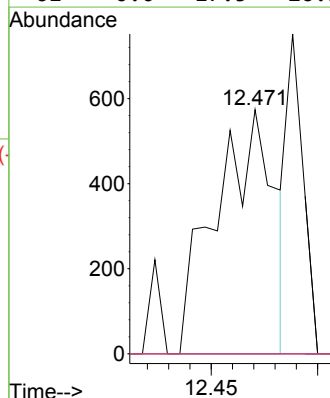
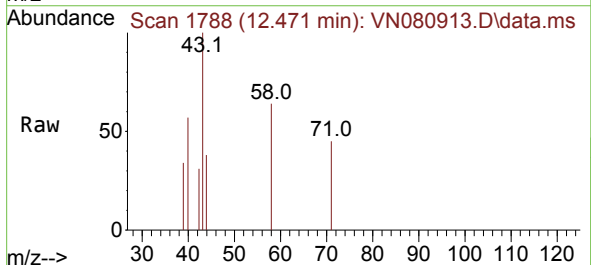
Instrument :
 MSVOA_N
 ClientSampleId :
 EB-7-5-7D

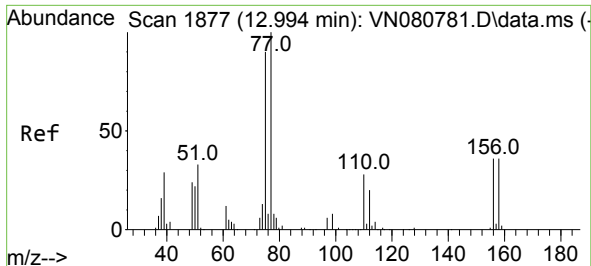
Tgt Ion:152 Resp: 82550
 Ion Ratio Lower Upper
 152 100
 115 66.1 32.3 96.8
 150 157.0 0.0 339.8



#74
 N-ethyl acetate
 Concen: 0.234 ug/l
 RT: 12.471 min Scan# 1788
 Delta R.T. -0.023 min
 Lab File: VN080913.D
 Acq: 05 Feb 2024 21:50

Tgt Ion: 43 Resp: 1097
 Ion Ratio Lower Upper
 43 100
 70 0.0 30.1 45.1#
 55 0.0 17.0 25.4#
 61 0.0 17.5 26.3#

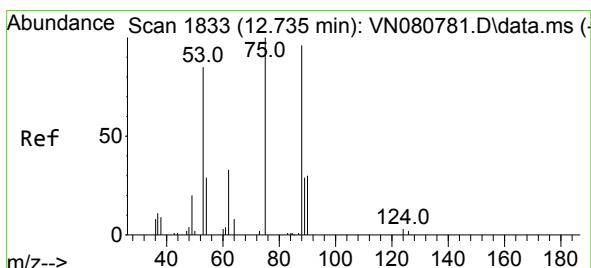
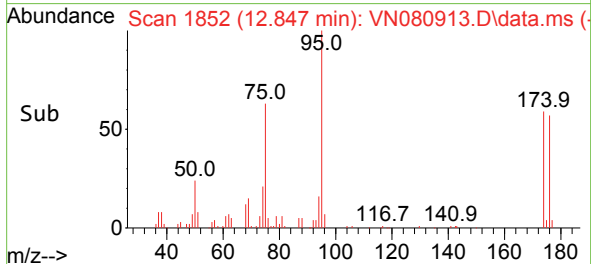
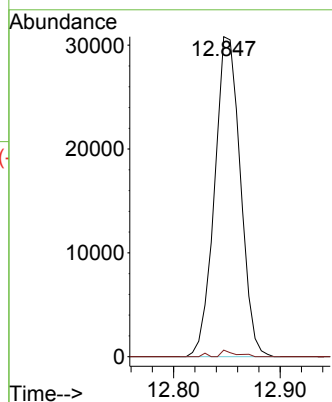
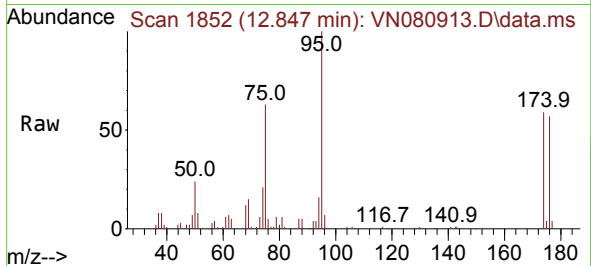




#76
1,2,3-Trichloropropane
Concen: 20.782 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.147 min
Lab File: VN080913.D
Acq: 05 Feb 2024 21:50

Instrument :
MSVOA_N
ClientSampleId :
EB-7-5-7D

Tgt Ion: 75 Resp: 51741
Ion Ratio Lower Upper
75 100
77 1.1 91.0 272.8#



#81
trans-1,4-Dichloro-2-butene
Concen: 53.538 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. 0.112 min
Lab File: VN080913.D
Acq: 05 Feb 2024 21:50

Tgt Ion: 75 Resp: 51741
Ion Ratio Lower Upper
75 100
53 0.0 71.4 107.2#
89 0.0 33.4 50.0#

