

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN071624\
 Data File : VN082940.D
 Acq On : 16 Jul 2024 17:10
 Operator : JC\MD
 Sample : P3246-02
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Jul 17 00:58:08 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N070824W.M
 Quant Title : SW846 8260
 QLast Update : Mon Jul 08 13:46:04 2024
 Response via : Initial Calibration

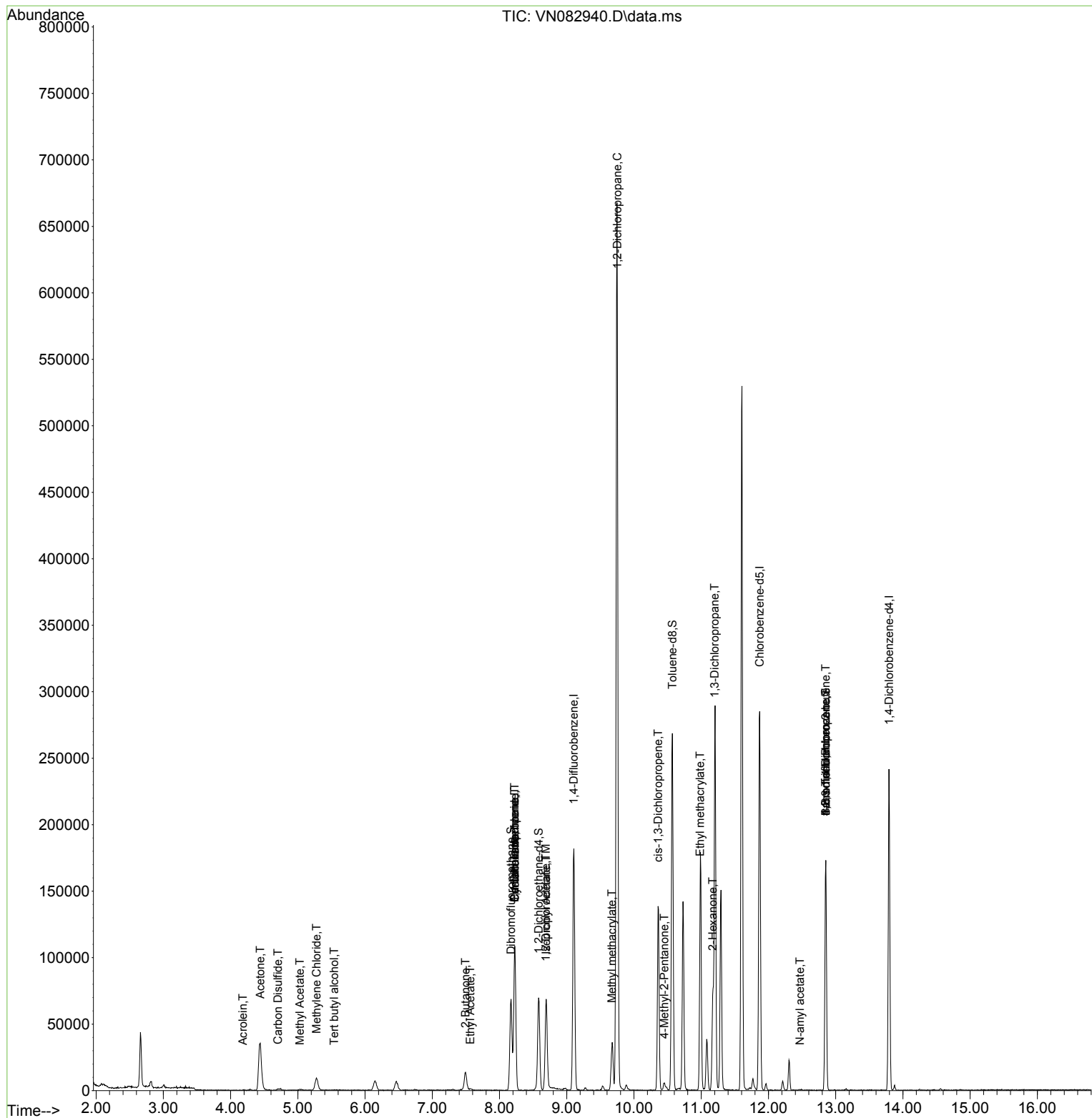
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	8.224	168	76778	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	153512	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.871	117	162512	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	61311	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.583	65	57664	53.578	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	= 107.160%	
35) Dibromofluoromethane	8.171	113	48130	48.861	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 97.720%	
50) Toluene-d8	10.571	98	180123	49.508	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	= 99.020%	
62) 4-Bromofluorobenzene	12.853	95	55137	42.189	ug/l	0.00
Spiked Amount	50.000	Range	64 - 133	Recovery	= 84.380%	
Target Compounds						Qvalue
11) Tert butyl alcohol	5.542	59	54	0.298	ug/l #	71
13) Acrolein	4.183	56	147	1.125	ug/l #	78
16) Acetone	4.442	43	69961	184.629	ug/l	99
17) Carbon Disulfide	4.706	76	1656	0.707	ug/l #	75
18) Methyl Acetate	5.030	43	854	0.852	ug/l #	85
20) Methylene Chloride	5.277	84	7210	7.879	ug/l	94
25) 2-Butanone	7.494	43	22273	38.928	ug/l	92
31) Cyclohexane	8.230	56	2109	1.499	ug/l #	33
36) 1,1-Dichloropropene	8.224	75	7055	5.195	ug/l #	52
37) Ethyl Acetate	7.565	43	2070	1.497	ug/l #	76
38) Carbon Tetrachloride	8.224	117	8824	5.396	ug/l #	16
42) 1,2-Dichloroethane	8.688	62	309	0.205	ug/l #	78
43) Isopropyl Acetate	8.694	43	77936	28.624	ug/l #	92
45) 1,2-Dichloropropane	9.753	63	834	0.855	ug/l #	44
48) Methyl methacrylate	9.671	41	2443	2.253	ug/l #	51
51) 4-Methyl-2-Pentanone	10.453	43	6476	4.724	ug/l #	75
54) cis-1,3-Dichloropropene	10.359	75	23540	13.750	ug/l #	68
56) Ethyl methacrylate	10.982	69	851	0.570	ug/l #	1
57) 1,3-Dichloropropane	11.200	76	2850	1.678	ug/l #	43
59) 2-Hexanone	11.171	43	53264	52.263	ug/l #	28
71) Bromoform	12.853	173	482	0.495	ug/l #	1
74) N-amyl acetate	12.471	43	728	0.395	ug/l #	46
76) 1,2,3-Trichloropropane	12.853	75	31966	30.241	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.853	75	31966	59.476	ug/l #	6

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

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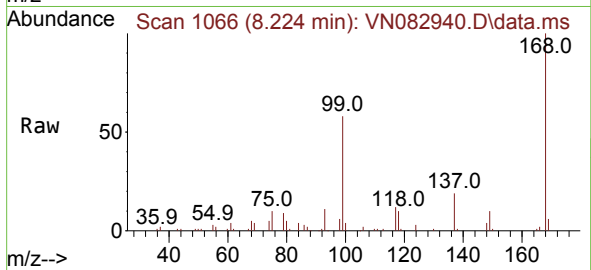
Quant Time: Jul 17 00:58:08 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N070824W.M
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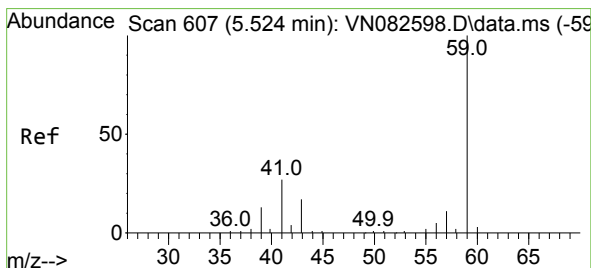
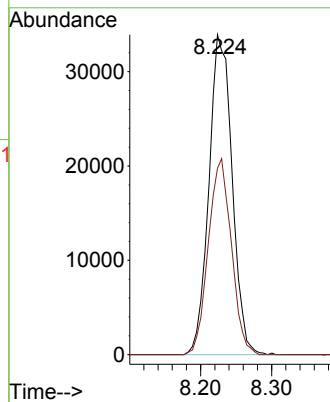
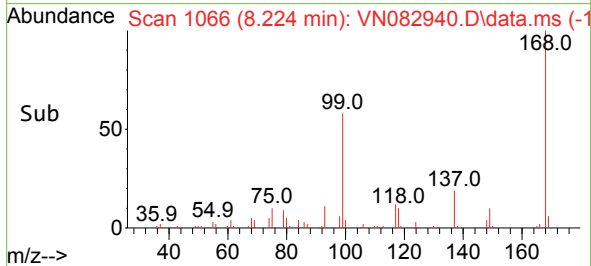


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. -0.005 min
Lab File: VN082940.D
Acq: 16 Jul 2024 17:10

Instrument :
MSVOA_N
ClientSampleId :

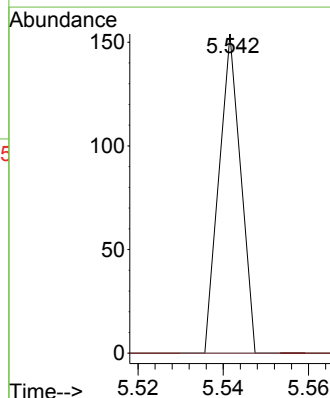
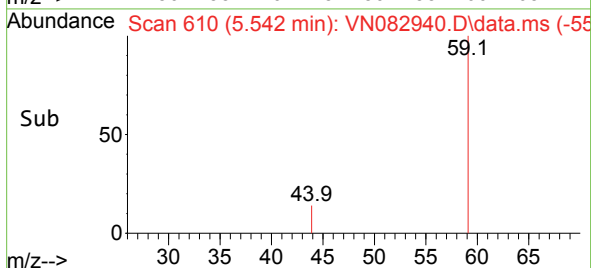
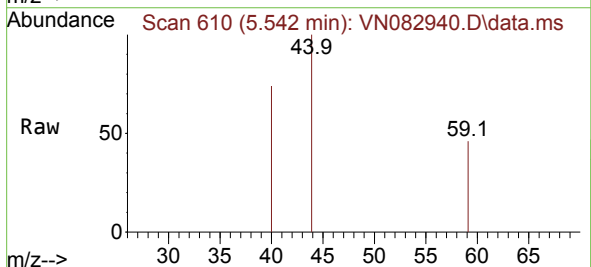


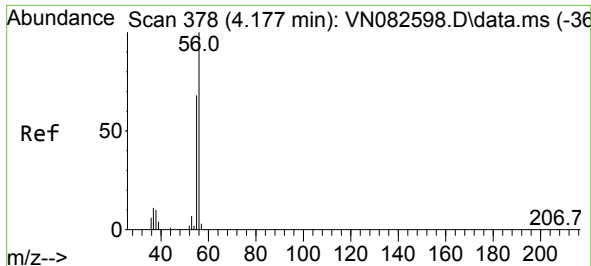
Tgt Ion:168 Resp: 76778
Ion Ratio Lower Upper
168 100
99 58.3 48.2 72.4



#11
Tert butyl alcohol
Concen: 0.298 ug/l
RT: 5.542 min Scan# 610
Delta R.T. 0.018 min
Lab File: VN082940.D
Acq: 16 Jul 2024 17:10

Tgt Ion: 59 Resp: 54
Ion Ratio Lower Upper
59 100
57 0.0 8.9 13.3#





#13

Acrolein

Concen: 1.125 ug/l

RT: 4.183 min Scan# 31

Delta R.T. 0.006 min

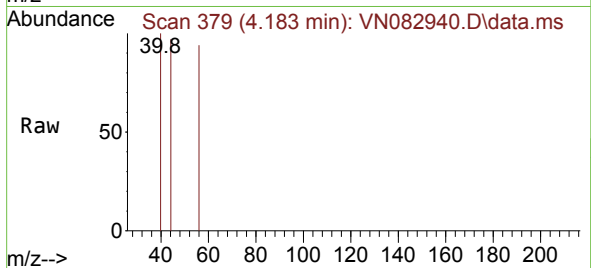
Lab File: VN082940.D

Acq: 16 Jul 2024 17:10

Instrument :

MSVOA_N

ClientSampleId :

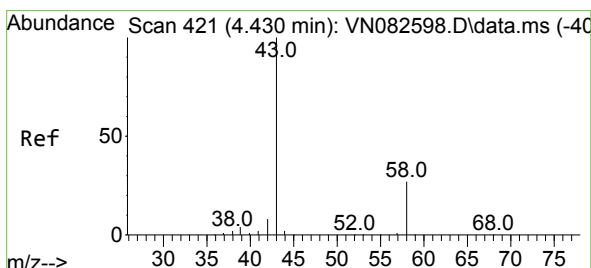
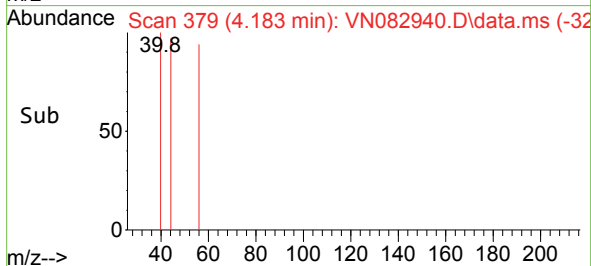
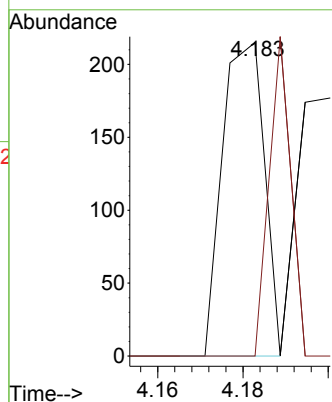


Tgt Ion: 56 Resp: 147

Ion Ratio Lower Upper

56 100

55 52.4 56.4 84.6#



#16

Acetone

Concen: 184.629 ug/l

RT: 4.442 min Scan# 423

Delta R.T. 0.012 min

Lab File: VN082940.D

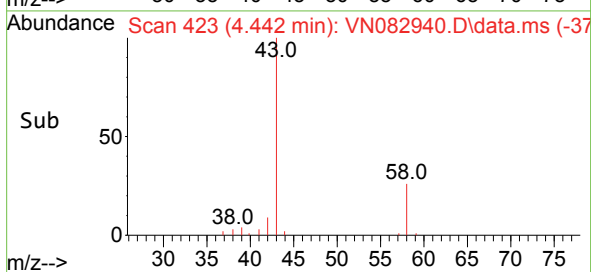
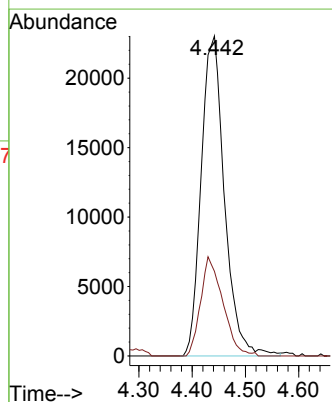
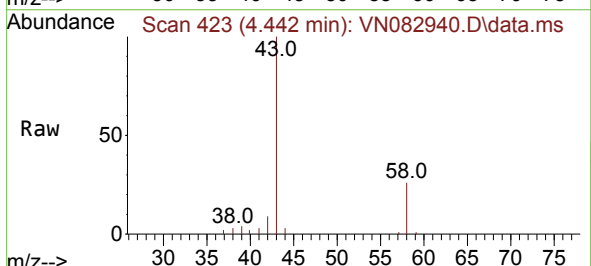
Acq: 16 Jul 2024 17:10

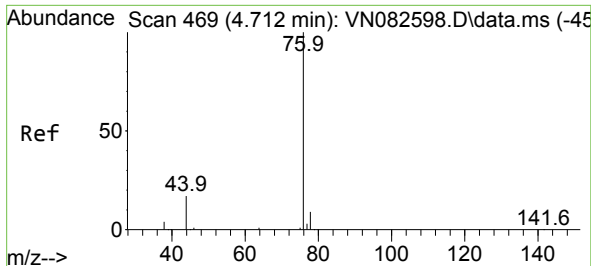
Tgt Ion: 43 Resp: 69961

Ion Ratio Lower Upper

43 100

58 26.4 21.8 32.6

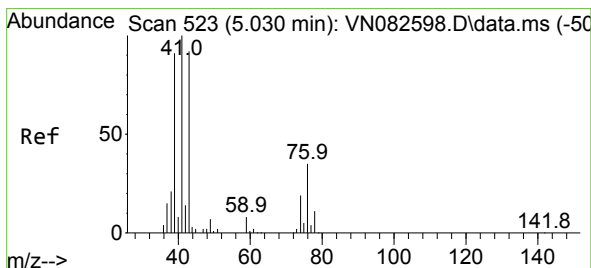
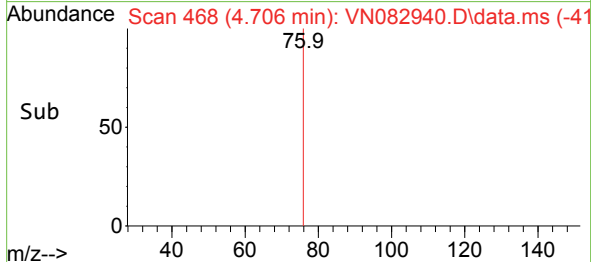
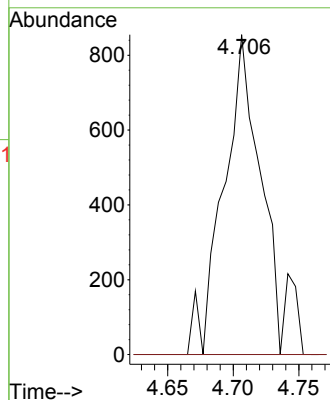
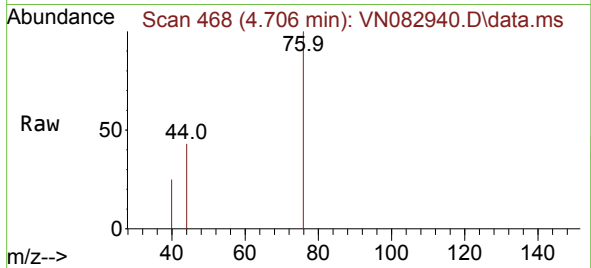




#17
Carbon Disulfide
Concen: 0.707 ug/l
RT: 4.706 min Scan# 41
Delta R.T. -0.006 min
Lab File: VN082940.D
Acq: 16 Jul 2024 17:10

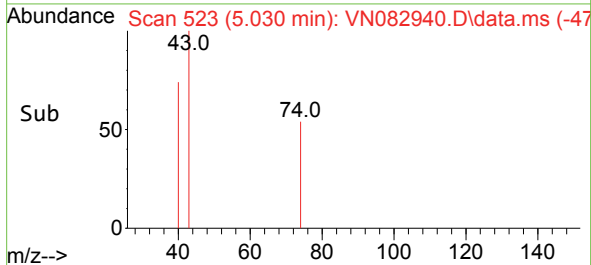
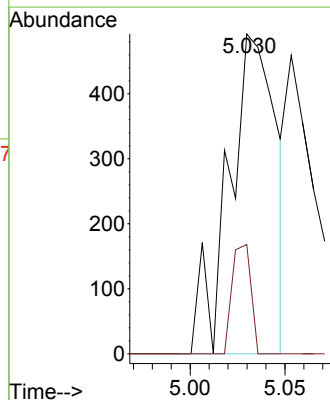
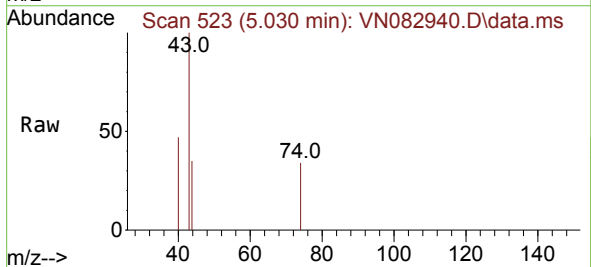
Instrument :
MSVOA_N
ClientSampleId :

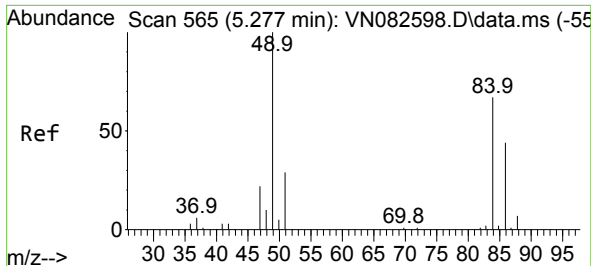
Tgt Ion: 76 Resp: 1656
Ion Ratio Lower Upper
76 100
78 0.0 7.2 10.8#



#18
Methyl Acetate
Concen: 0.852 ug/l
RT: 5.030 min Scan# 523
Delta R.T. -0.000 min
Lab File: VN082940.D
Acq: 16 Jul 2024 17:10

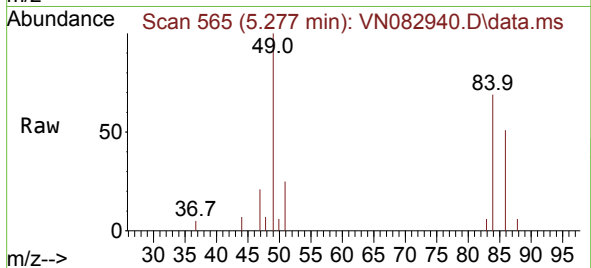
Tgt Ion: 43 Resp: 854
Ion Ratio Lower Upper
43 100
74 13.6 16.3 24.5#



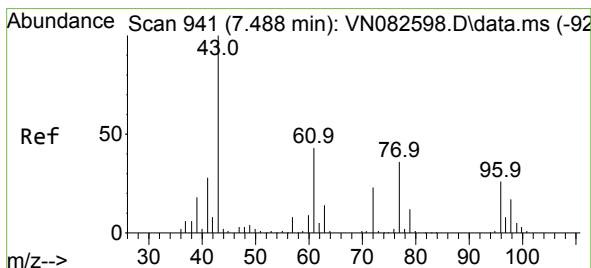
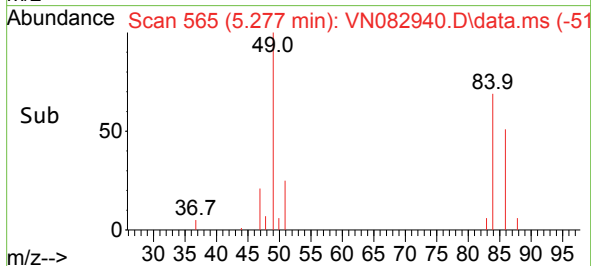
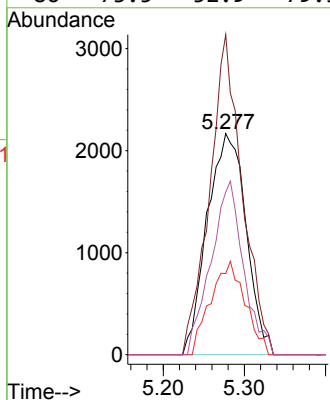


#20
Methylene Chloride
Concen: 7.879 ug/l
RT: 5.277 min Scan# 51
Delta R.T. -0.000 min
Lab File: VN082940.D
Acq: 16 Jul 2024 17:10

Instrument :
MSVOA_N
ClientSampleId :

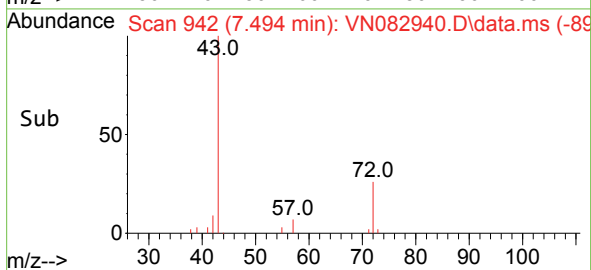
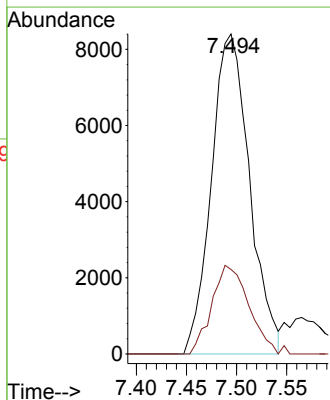
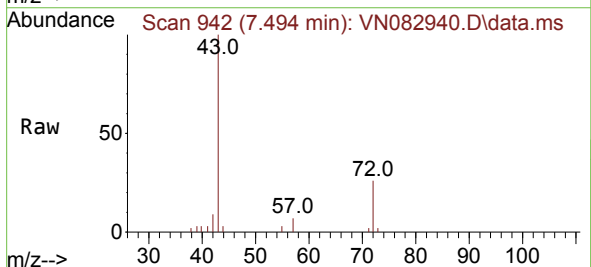


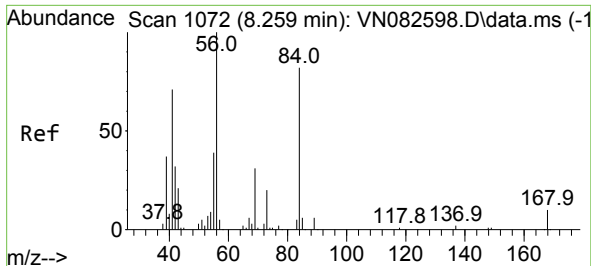
Tgt Ion:	84	Resp:	7210
Ion	Ratio	Lower	Upper
84	100		
49	144.8	119.6	179.4
51	36.7	34.8	52.2
86	73.5	52.9	79.3



#25
2-Butanone
Concen: 38.928 ug/l
RT: 7.494 min Scan# 942
Delta R.T. 0.006 min
Lab File: VN082940.D
Acq: 16 Jul 2024 17:10

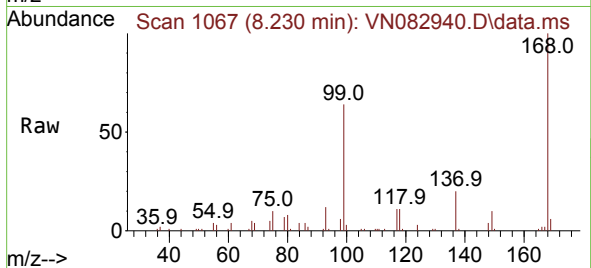
Tgt Ion:	43	Resp:	22273
Ion	Ratio	Lower	Upper
43	100		
72	26.4	18.2	27.2



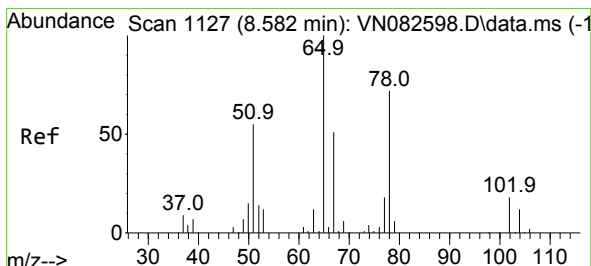
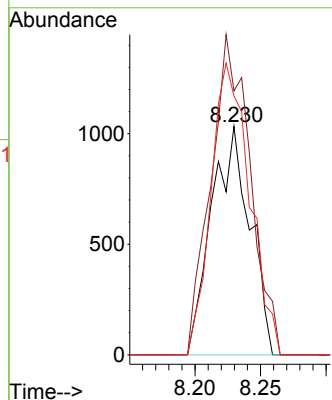
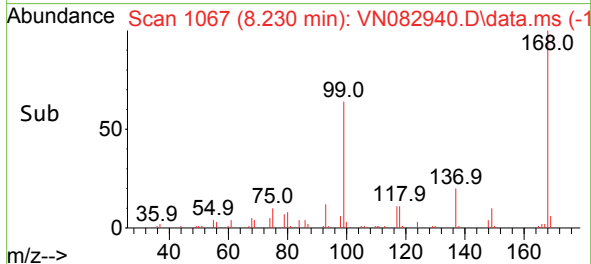


#31
Cyclohexane
Concen: 1.499 ug/l
RT: 8.230 min Scan# 1067
Delta R.T. -0.029 min
Lab File: VN082940.D
Acq: 16 Jul 2024 17:10

Instrument :
MSVOA_N
ClientSampleId :

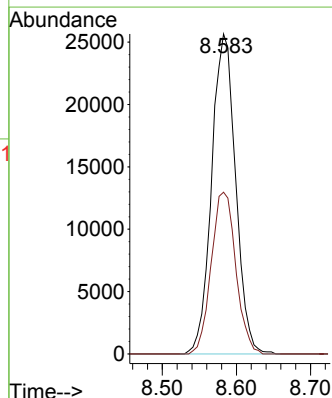
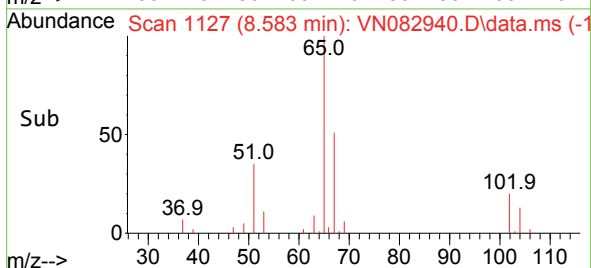
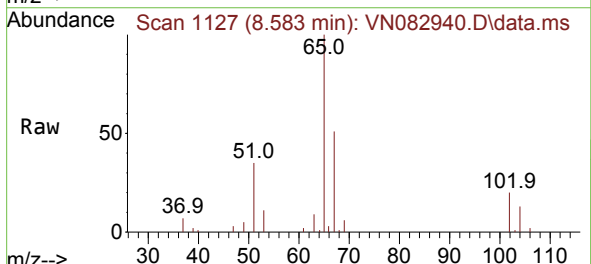


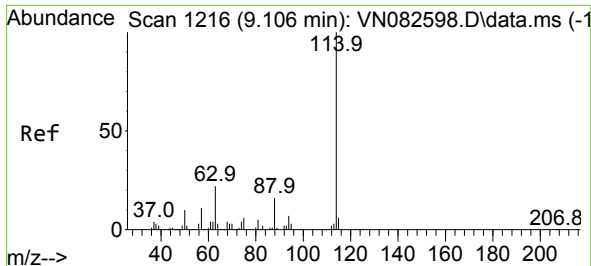
Tgt Ion: 56 Resp: 2109
Ion Ratio Lower Upper
56 100
69 115.6 24.5 36.7#
84 113.4 66.0 99.0#



#33
1,2-Dichloroethane-d4
Concen: 53.578 ug/l
RT: 8.583 min Scan# 1127
Delta R.T. 0.001 min
Lab File: VN082940.D
Acq: 16 Jul 2024 17:10

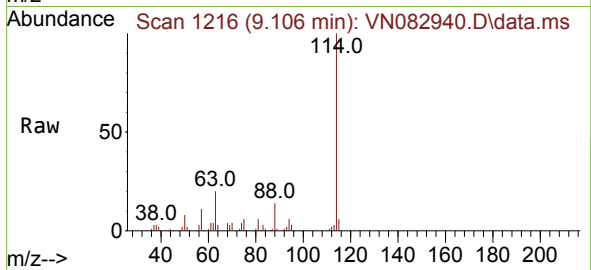
Tgt Ion: 65 Resp: 57664
Ion Ratio Lower Upper
65 100
67 51.8 0.0 104.4



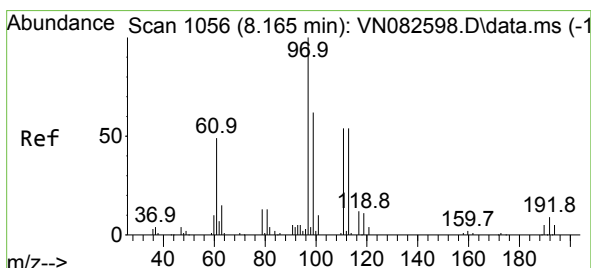
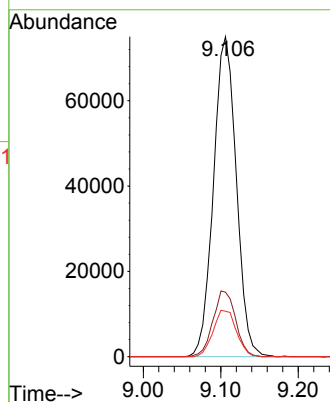
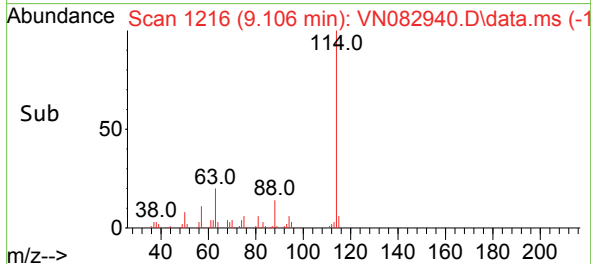


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 9.106 min Scan# 11
Delta R.T. 0.000 min
Lab File: VN082940.D
Acq: 16 Jul 2024 17:10

Instrument :
MSVOA_N
ClientSampleId :

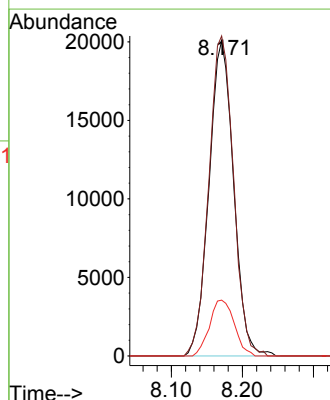
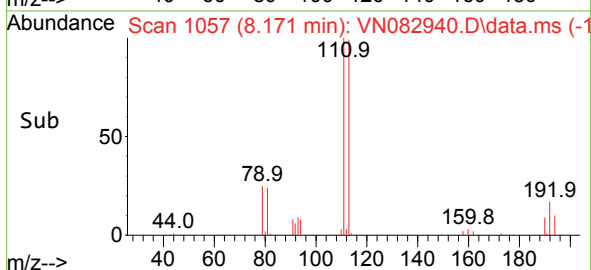
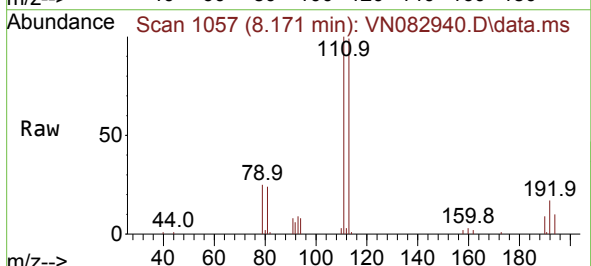


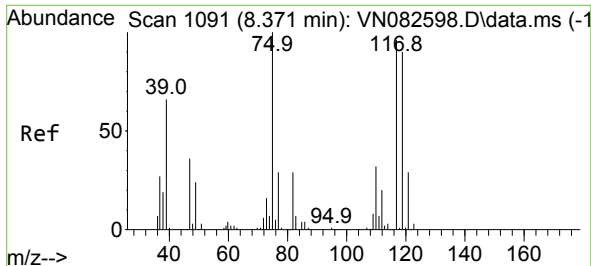
Tgt Ion:114 Resp: 153512
Ion Ratio Lower Upper
114 100
63 20.1 0.0 44.6
88 14.2 0.0 31.4



#35
Dibromofluoromethane
Concen: 48.861 ug/l
RT: 8.171 min Scan# 1057
Delta R.T. 0.006 min
Lab File: VN082940.D
Acq: 16 Jul 2024 17:10

Tgt Ion:113 Resp: 48130
Ion Ratio Lower Upper
113 100
111 101.8 82.4 123.6
192 17.8 14.9 22.3





#36

1,1-Dichloropropene

Concen: 5.195 ug/l

RT: 8.224 min Scan# 1066

Delta R.T. -0.147 min

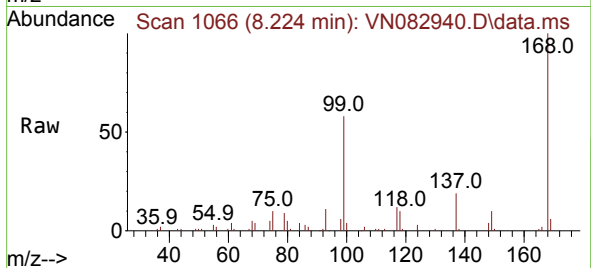
Lab File: VN082940.D

Acq: 16 Jul 2024 17:10

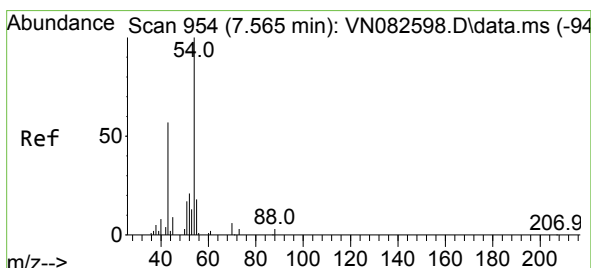
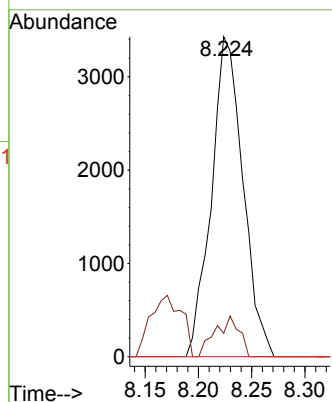
Instrument :

MSVOA_N

ClientSampleId :



Tgt Ion:	75	Resp:	7055
Ion	Ratio	Lower	Upper
75	100		
110	9.7	16.3	48.9#
77	0.0	24.6	37.0#



#37

Ethyl Acetate

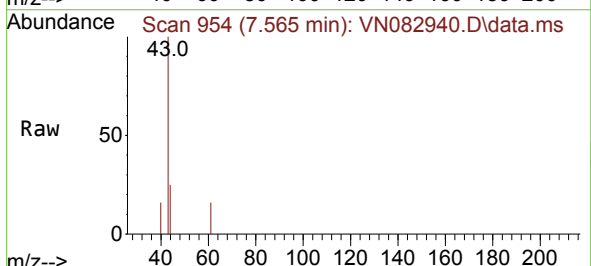
Concen: 1.497 ug/l

RT: 7.565 min Scan# 954

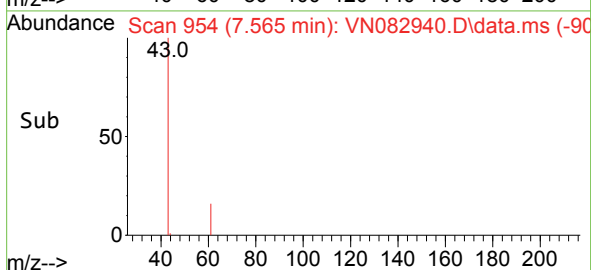
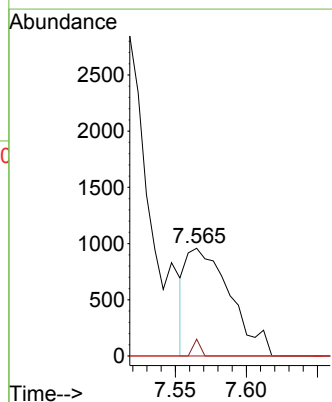
Delta R.T. -0.000 min

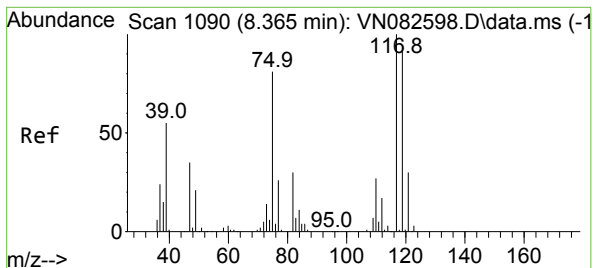
Lab File: VN082940.D

Acq: 16 Jul 2024 17:10



Tgt Ion:	43	Resp:	2070
Ion	Ratio	Lower	Upper
43	100		
61	2.6	9.3	13.9#
70	0.0	7.0	10.6#





#38

Carbon Tetrachloride

Concen: 5.396 ug/l

RT: 8.224 min Scan# 1106

Delta R.T. -0.141 min

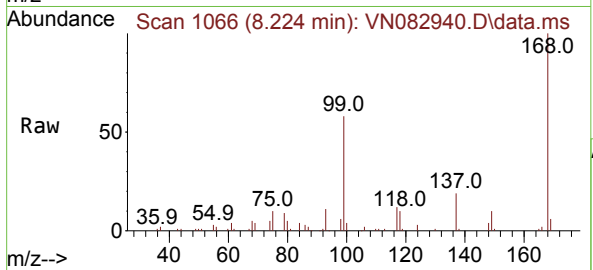
Lab File: VN082940.D

Acq: 16 Jul 2024 17:10

Instrument :

MSVOA_N

ClientSampleId :



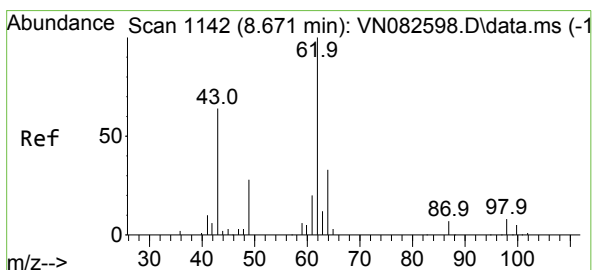
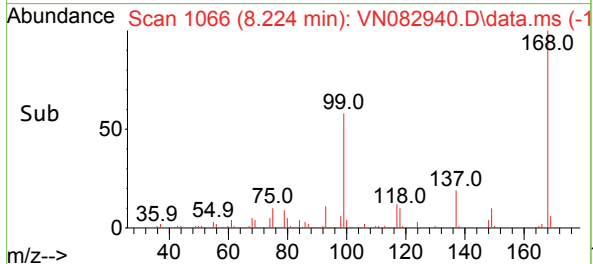
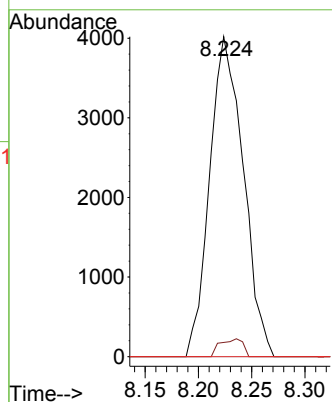
Tgt Ion:117 Resp: 8824

Ion Ratio Lower Upper

117 100

119 4.5 74.9 112.3#

121 0.0 24.3 36.5#



#42

1,2-Dichloroethane

Concen: 0.205 ug/l

RT: 8.688 min Scan# 1145

Delta R.T. 0.017 min

Lab File: VN082940.D

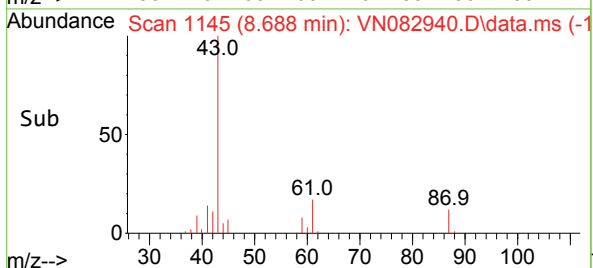
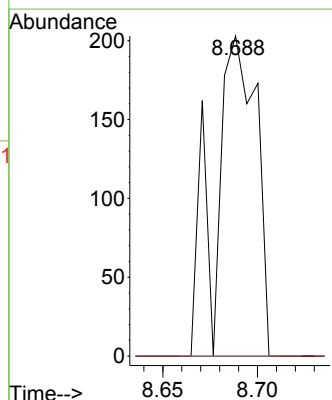
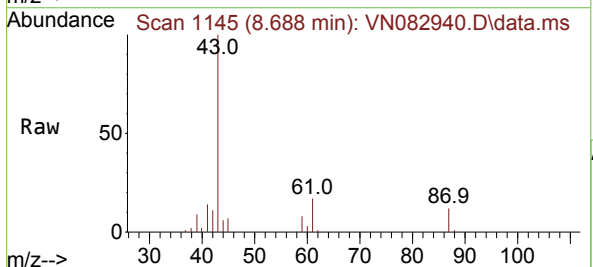
Acq: 16 Jul 2024 17:10

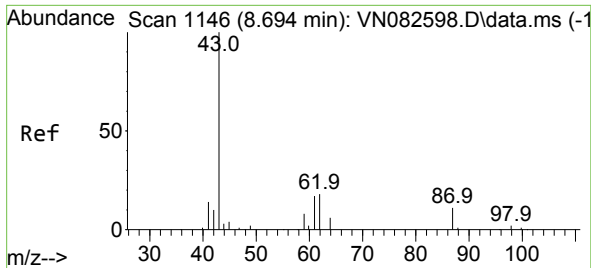
Tgt Ion: 62 Resp: 309

Ion Ratio Lower Upper

62 100

98 0.0 0.0 15.8

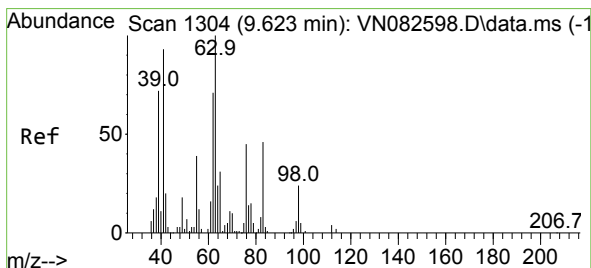
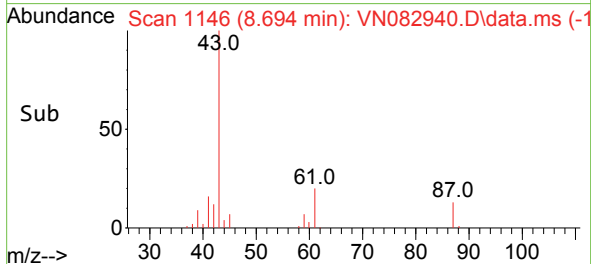
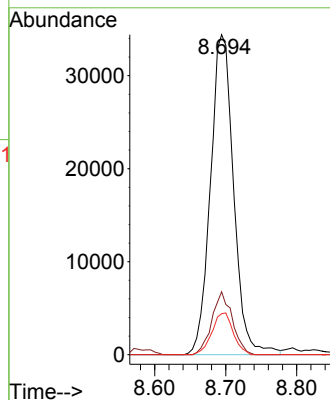
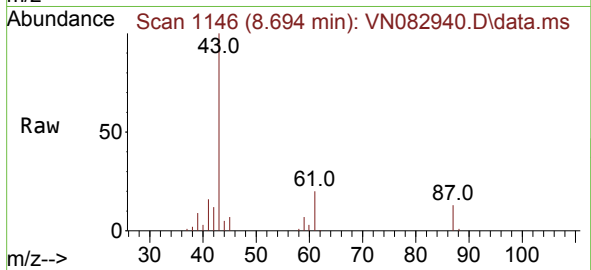




#43
Isopropyl Acetate
Concen: 28.624 ug/l
RT: 8.694 min Scan# 1146
Delta R.T. 0.000 min
Lab File: VN082940.D
Acq: 16 Jul 2024 17:10

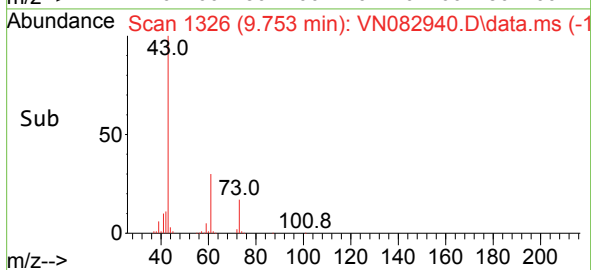
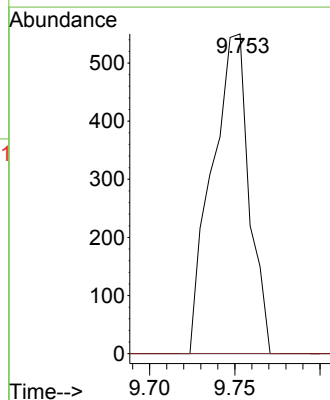
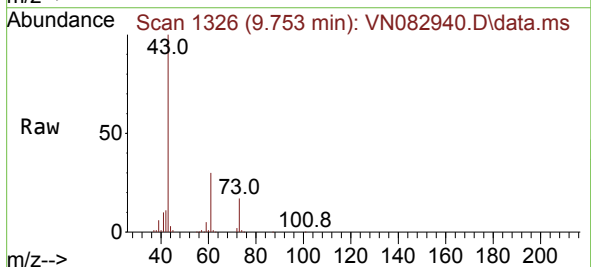
Instrument :
MSVOA_N
ClientSampleId :

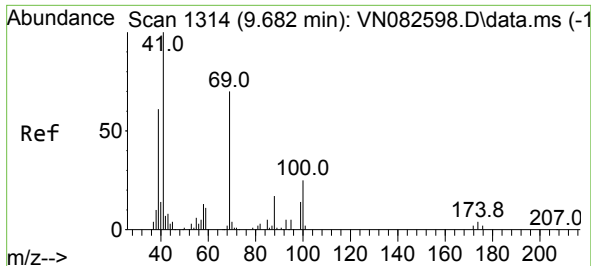
Tgt Ion: 43 Resp: 77936
Ion Ratio Lower Upper
43 100
61 17.4 17.8 26.6#
87 12.0 8.2 12.2



#45
1,2-Dichloropropane
Concen: 0.855 ug/l
RT: 9.753 min Scan# 1326
Delta R.T. 0.130 min
Lab File: VN082940.D
Acq: 16 Jul 2024 17:10

Tgt Ion: 63 Resp: 834
Ion Ratio Lower Upper
63 100
65 0.0 24.4 36.6#

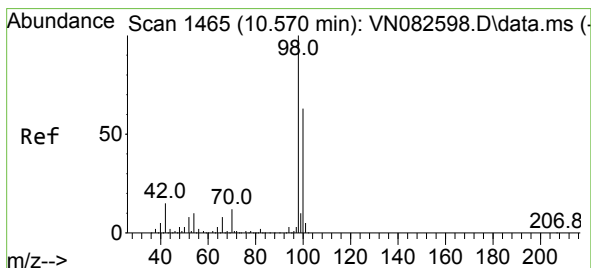
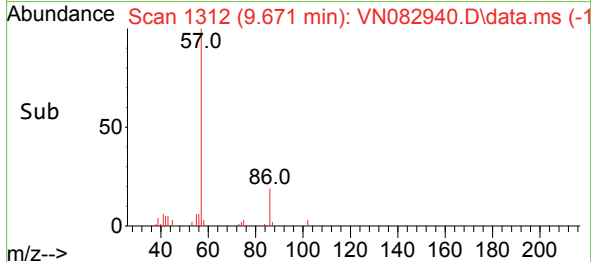
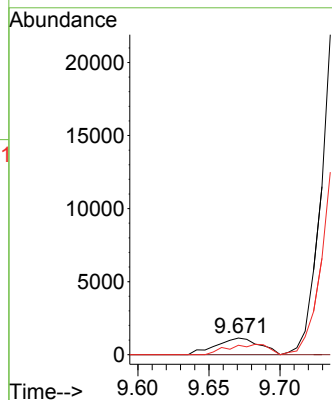
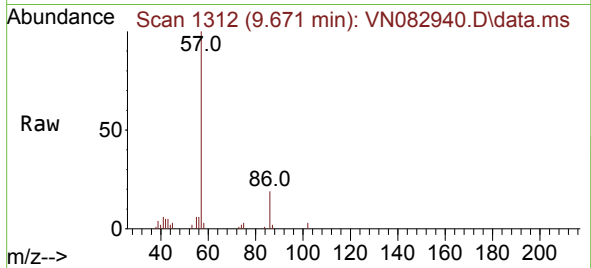




#48
Methyl methacrylate
Concen: 2.253 ug/l
RT: 9.671 min Scan# 11
Delta R.T. -0.011 min
Lab File: VN082940.D
Acq: 16 Jul 2024 17:10

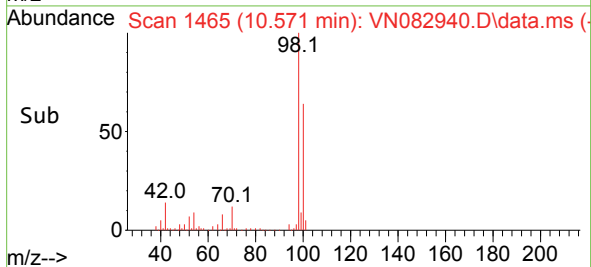
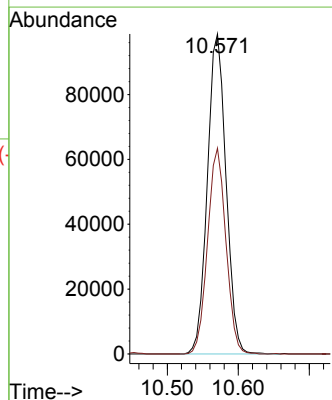
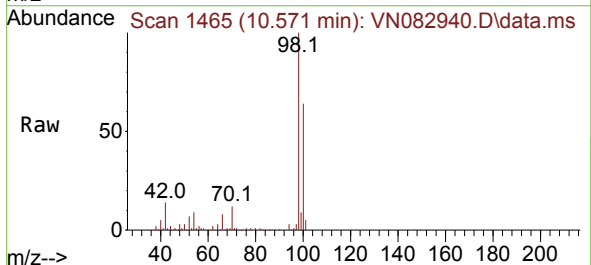
Instrument :
MSVOA_N
ClientSampleId :

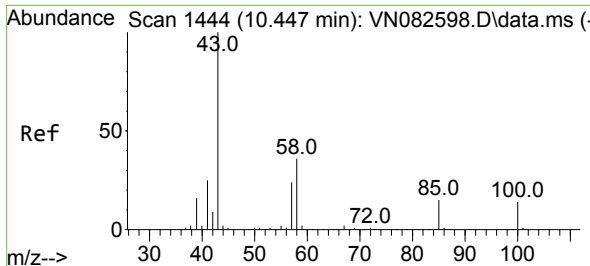
Tgt Ion: 41 Resp: 2443
Ion Ratio Lower Upper
41 100
69 0.0 56.3 84.5#
39 57.1 50.3 75.5



#50
Toluene-d8
Concen: 49.508 ug/l
RT: 10.571 min Scan# 1465
Delta R.T. 0.001 min
Lab File: VN082940.D
Acq: 16 Jul 2024 17:10

Tgt Ion: 98 Resp: 180123
Ion Ratio Lower Upper
98 100
100 63.3 51.5 77.3

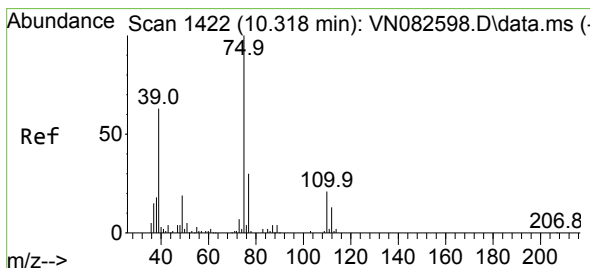
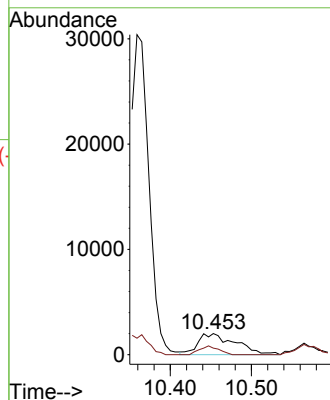
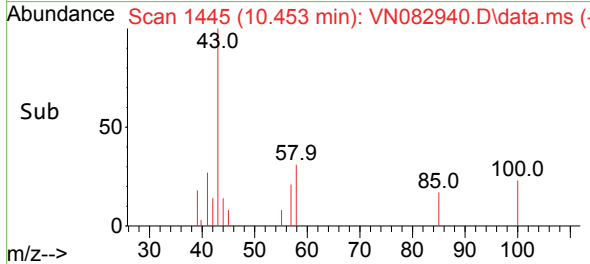
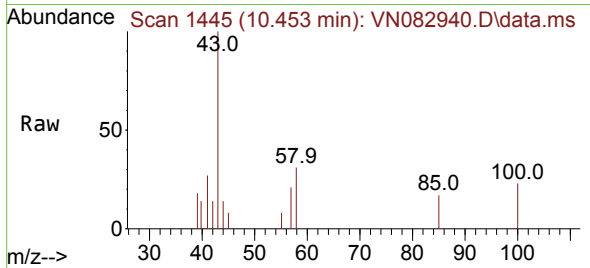




#51
4-Methyl-2-Pentanone
Concen: 4.724 ug/l
RT: 10.453 min Scan# 1445
Delta R.T. 0.006 min
Lab File: VN082940.D
Acq: 16 Jul 2024 17:10

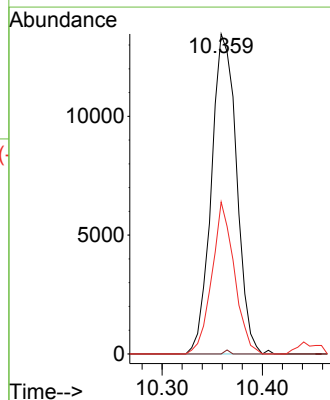
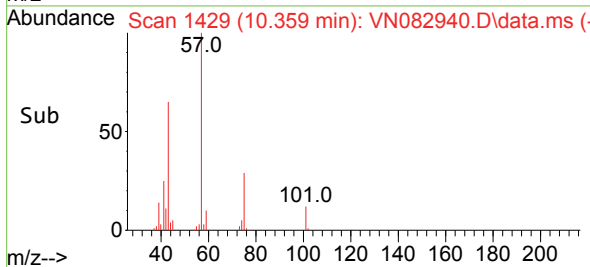
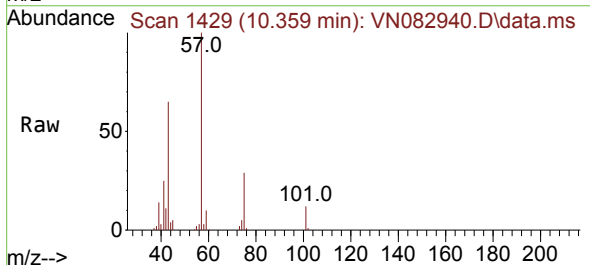
Instrument :
MSVOA_N
ClientSampleId :

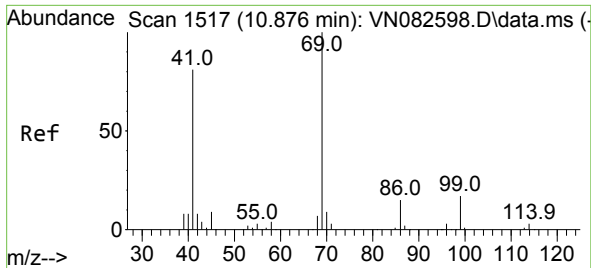
Tgt Ion: 43 Resp: 6476
Ion Ratio Lower Upper
43 100
58 20.9 28.2 42.4#



#54
cis-1,3-Dichloropropene
Concen: 13.750 ug/l
RT: 10.359 min Scan# 1429
Delta R.T. 0.041 min
Lab File: VN082940.D
Acq: 16 Jul 2024 17:10

Tgt Ion: 75 Resp: 23540
Ion Ratio Lower Upper
75 100
77 0.0 24.3 36.5#
39 47.5 50.5 75.7#

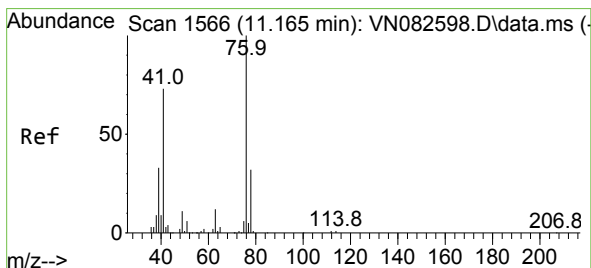
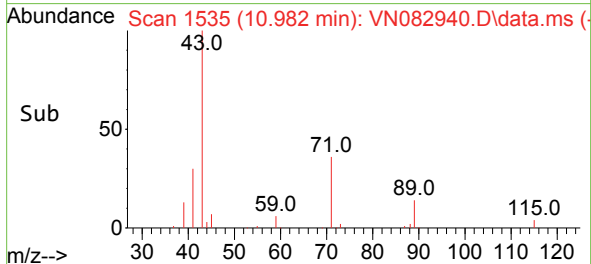
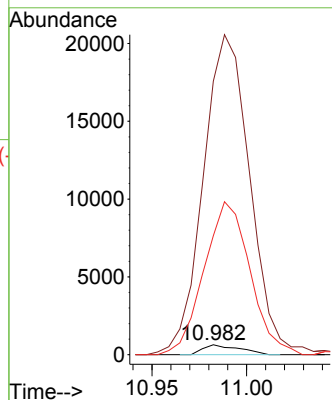
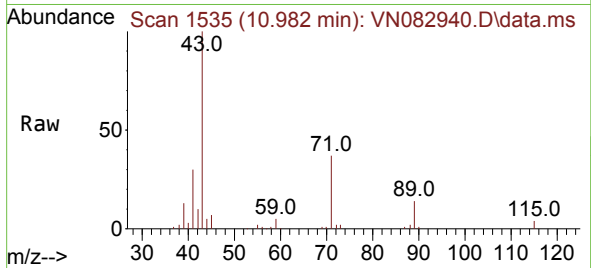




#56
Ethyl methacrylate
Concen: 0.570 ug/l
RT: 10.982 min Scan# 11
Delta R.T. 0.106 min
Lab File: VN082940.D
Acq: 16 Jul 2024 17:10

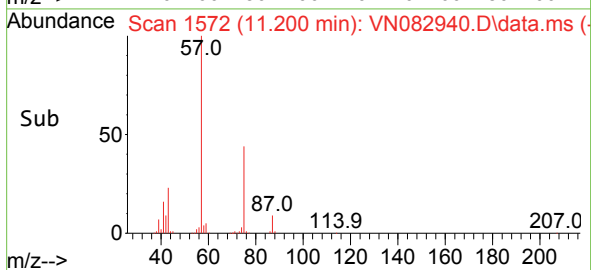
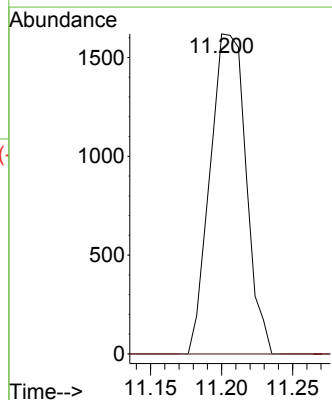
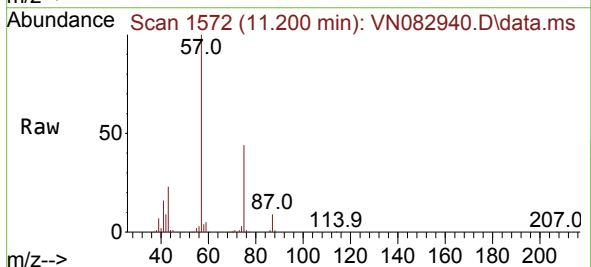
Instrument :
MSVOA_N
ClientSampleId :

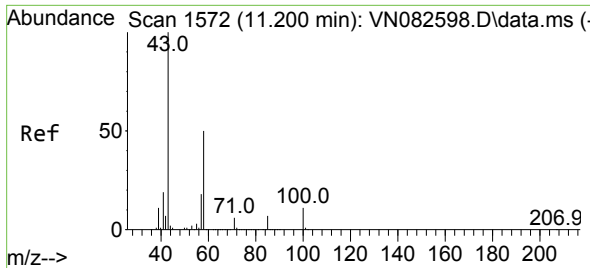
Tgt Ion: 69 Resp: 851
Ion Ratio Lower Upper
69 100
41 4169.1 63.4 95.2#
39 1954.2 37.4 56.0#



#57
1,3-Dichloropropane
Concen: 1.678 ug/l
RT: 11.200 min Scan# 1572
Delta R.T. 0.035 min
Lab File: VN082940.D
Acq: 16 Jul 2024 17:10

Tgt Ion: 76 Resp: 2850
Ion Ratio Lower Upper
76 100
78 0.0 25.6 38.4#

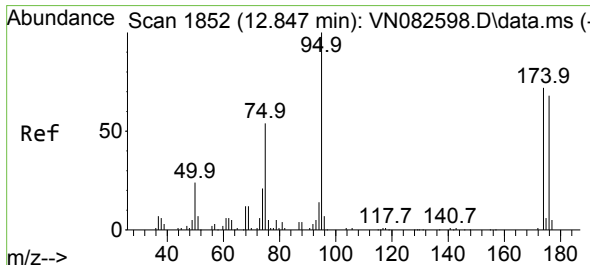
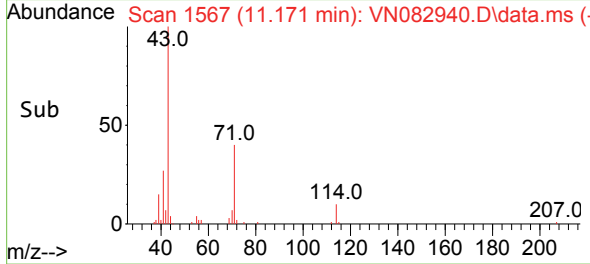
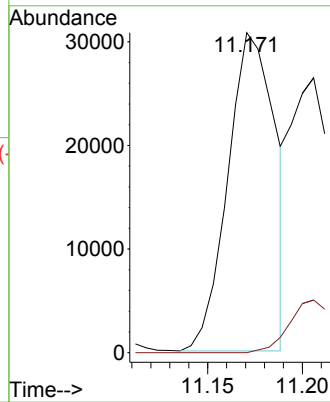
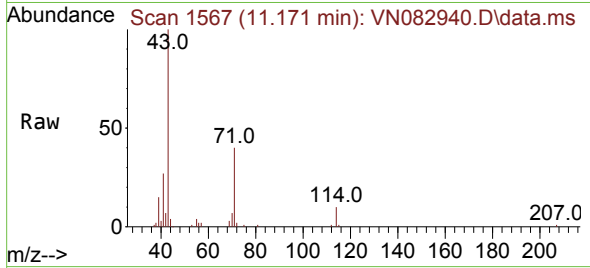




#59
2-Hexanone
Concen: 52.263 ug/l
RT: 11.171 min Scan# 11
Delta R.T. -0.029 min
Lab File: VN082940.D
Acq: 16 Jul 2024 17:10

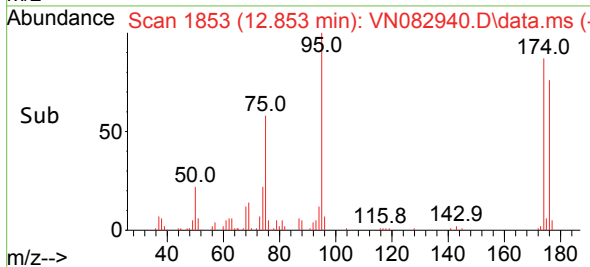
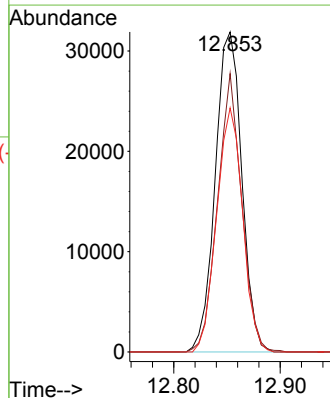
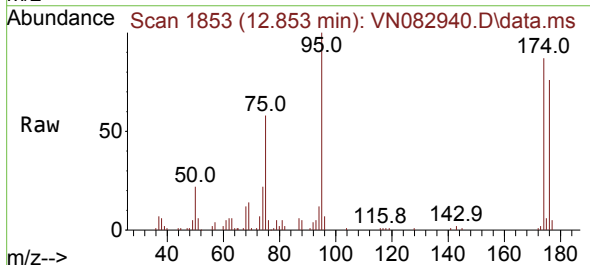
Instrument :
MSVOA_N
ClientSampleId :

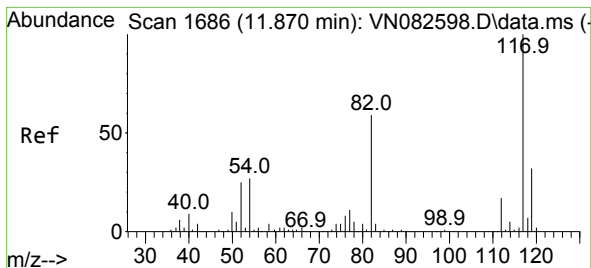
Tgt Ion: 43 Resp: 53264
Ion Ratio Lower Upper
43 100
58 0.0 24.6 73.8#



#62
4-Bromofluorobenzene
Concen: 42.189 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. 0.006 min
Lab File: VN082940.D
Acq: 16 Jul 2024 17:10

Tgt Ion: 95 Resp: 55137
Ion Ratio Lower Upper
95 100
174 79.1 0.0 159.2
176 74.8 0.0 147.6





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.871 min Scan# 1

Delta R.T. 0.001 min

Lab File: VN082940.D

Acq: 16 Jul 2024 17:10

Instrument :

MSVOA_N

ClientSampleId :

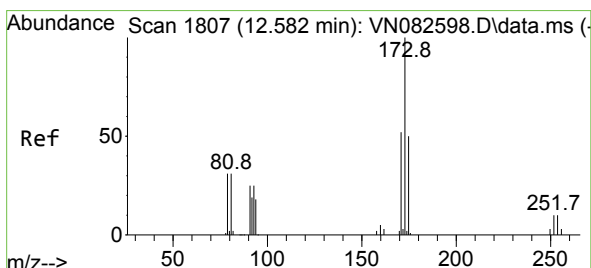
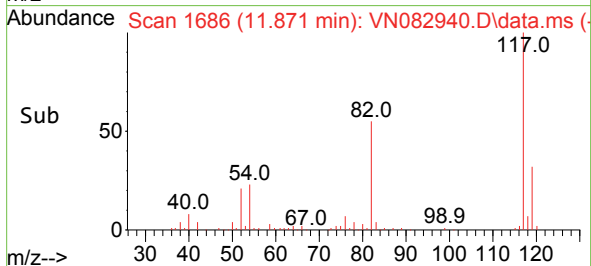
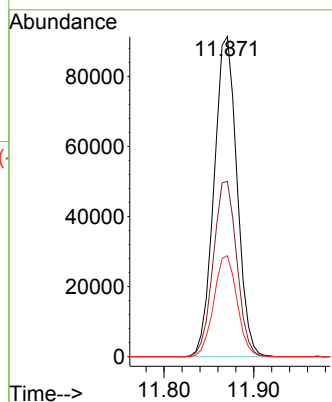
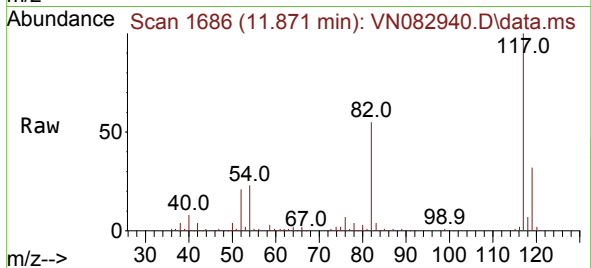
Tgt Ion:117 Resp: 162512

Ion Ratio Lower Upper

117 100

82 54.8 47.5 71.3

119 31.6 25.6 38.4



#71

Bromoform

Concen: 0.495 ug/l

RT: 12.853 min Scan# 1853

Delta R.T. 0.271 min

Lab File: VN082940.D

Acq: 16 Jul 2024 17:10

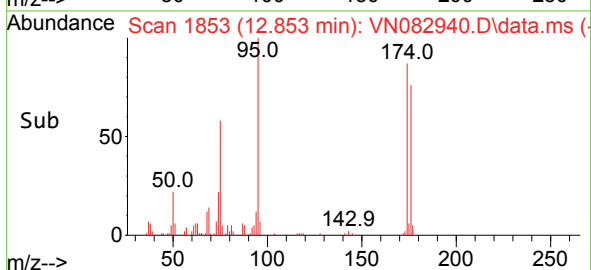
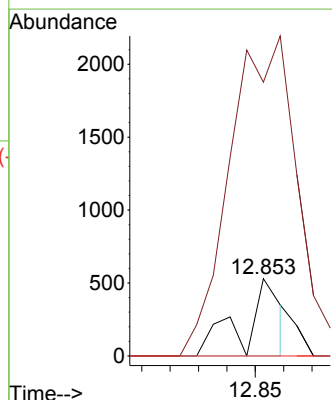
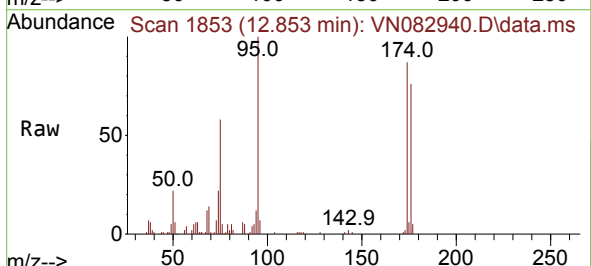
Tgt Ion:173 Resp: 482

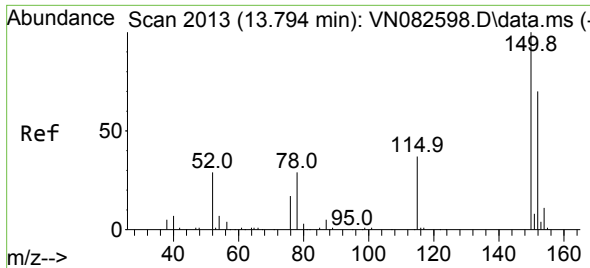
Ion Ratio Lower Upper

173 100

175 447.1 24.0 72.0#

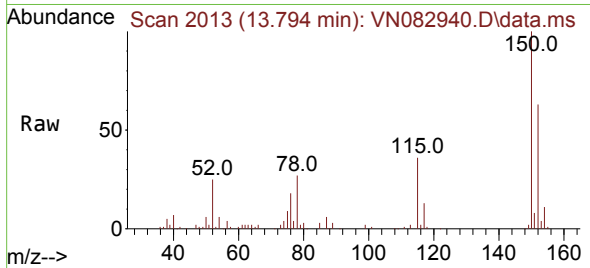
254 0.0 0.0 0.0



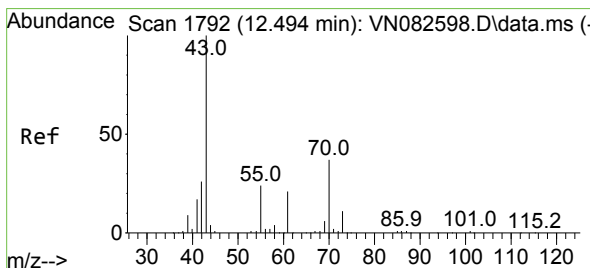
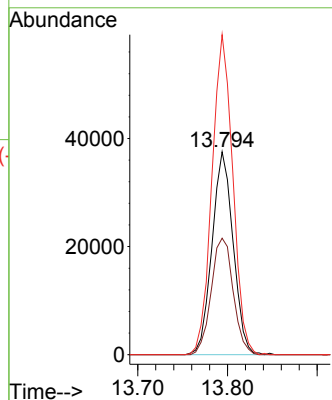
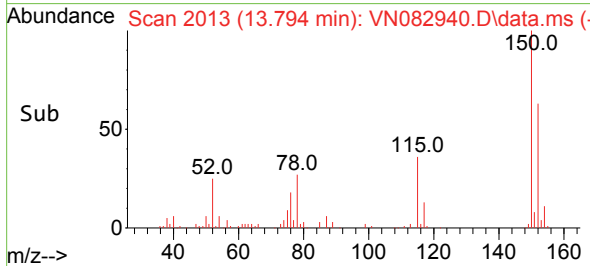


#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.794 min Scan# 20
 Delta R.T. -0.000 min
 Lab File: VN082940.D
 Acq: 16 Jul 2024 17:10

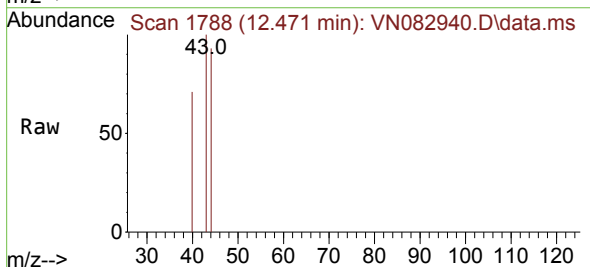
Instrument :
 MSVOA_N
 ClientSampleId :



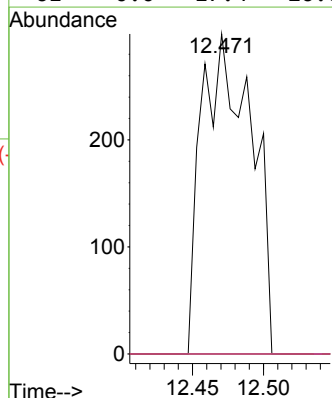
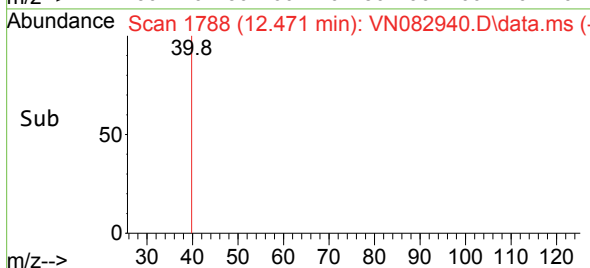
Tgt Ion:152 Resp: 61311
 Ion Ratio Lower Upper
 152 100
 115 59.8 30.6 91.6
 150 155.6 0.0 348.6

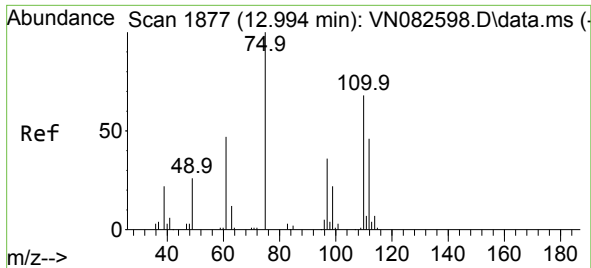


#74
 N-ethyl acetate
 Concen: 0.395 ug/l
 RT: 12.471 min Scan# 1788
 Delta R.T. -0.023 min
 Lab File: VN082940.D
 Acq: 16 Jul 2024 17:10



Tgt Ion: 43 Resp: 728
 Ion Ratio Lower Upper
 43 100
 70 0.0 29.8 44.6#
 55 0.0 18.7 28.1#
 61 0.0 17.4 26.0#

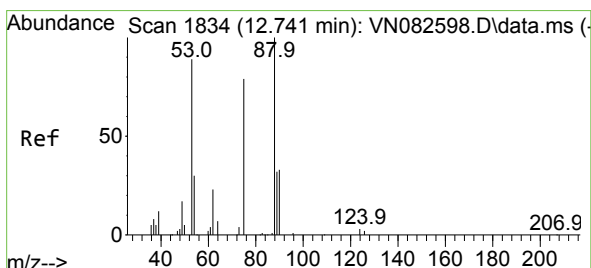
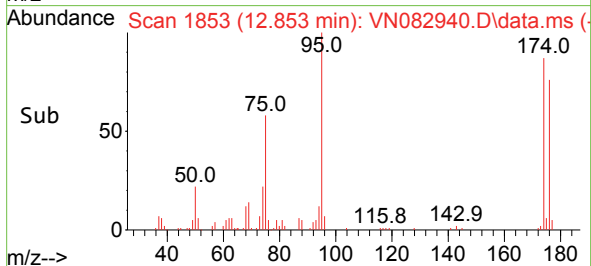
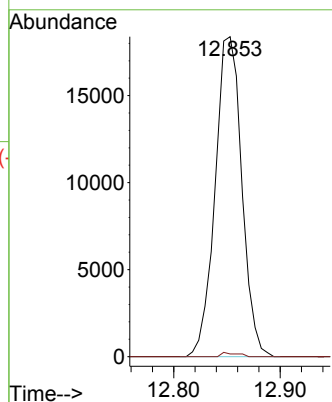
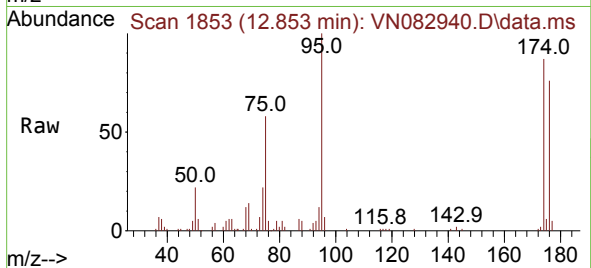




#76
1,2,3-Trichloropropane
Concen: 30.241 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. -0.141 min
Lab File: VN082940.D
Acq: 16 Jul 2024 17:10

Instrument :
MSVOA_N
ClientSampleId :

Tgt Ion: 75 Resp: 31966
Ion Ratio Lower Upper
75 100
77 0.8 110.9 332.6#



#81
trans-1,4-Dichloro-2-butene
Concen: 59.476 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. 0.112 min
Lab File: VN082940.D
Acq: 16 Jul 2024 17:10

Tgt Ion: 75 Resp: 31966
Ion Ratio Lower Upper
75 100
53 0.0 88.4 132.6#
89 0.0 36.3 54.5#

