

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN050924\
 Data File : VN082061.D
 Acq On : 09 May 2024 19:22
 Operator : JC\MD
 Sample : P2398-04
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: May 10 03:56:22 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N042524W.M
 Quant Title : SW846 8260
 QLast Update : Fri Apr 26 05:26:49 2024
 Response via : Initial Calibration

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

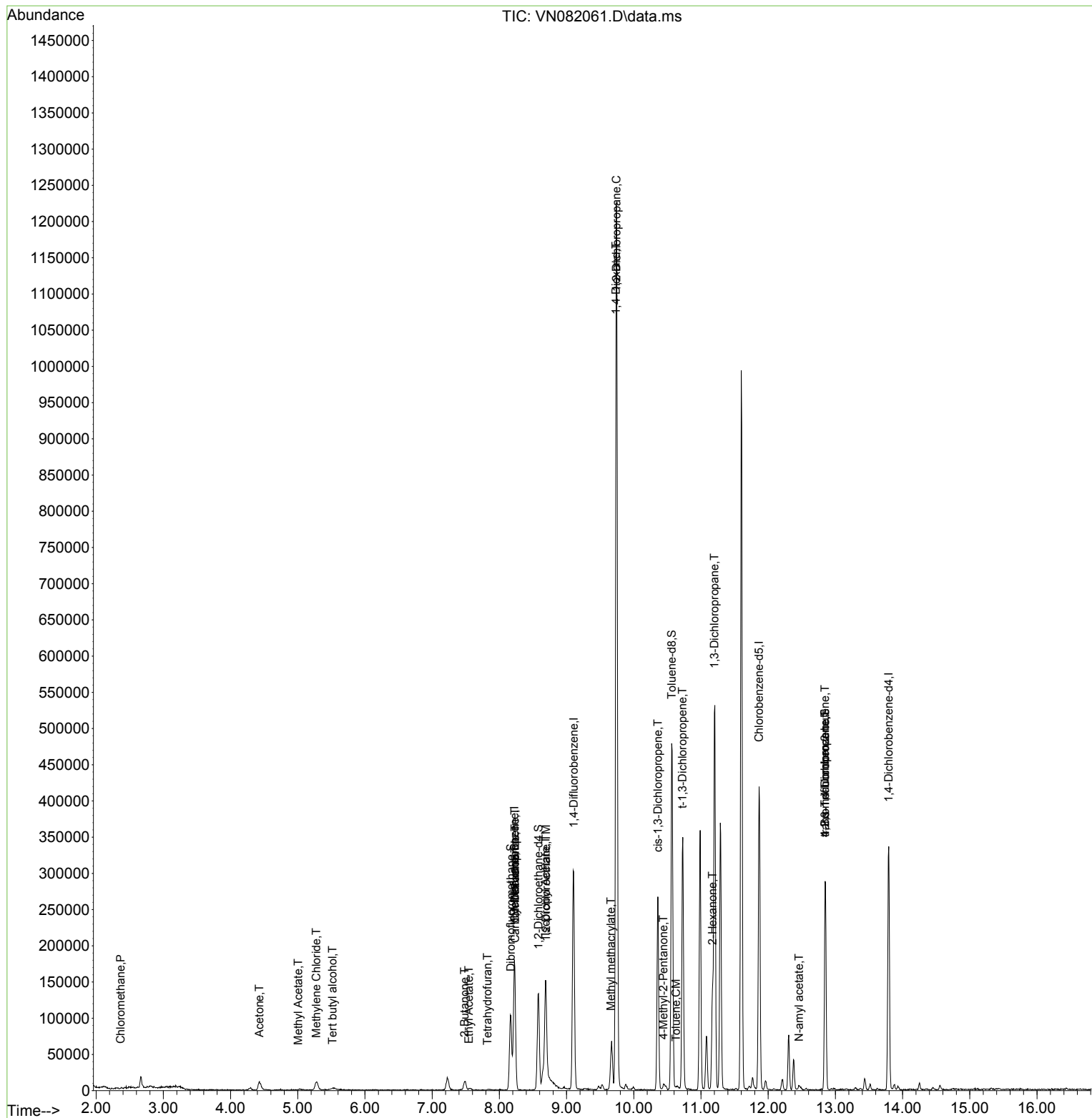
Internal Standards						
1) Pentafluorobenzene	8.224	168	114922	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	243326	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	219689	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	79494	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.582	65	101813	52.492	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	= 104.980%	
35) Dibromofluoromethane	8.171	113	74544	50.882	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 101.760%	
50) Toluene-d8	10.565	98	316739	55.049	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	= 110.100%	
62) 4-Bromofluorobenzene	12.847	95	102175	44.922	ug/l	0.00
Spiked Amount	50.000	Range	64 - 133	Recovery	= 89.840%	
Target Compounds						
					Qvalue	
3) Chloromethane	2.365	50	435	0.258	ug/l #	43
5) Bromomethane	2.971	94	62	Below Cal	#	58
11) Tert butyl alcohol	5.518	59	2932	8.315	ug/l #	90
13) Acrolein	4.189	56	359	Below Cal	#	43
16) Acetone	4.430	43	21846	33.351	ug/l	90
18) Methyl Acetate	5.006	43	645	0.328	ug/l #	47
20) Methylene Chloride	5.277	84	8563	5.152	ug/l #	73
25) 2-Butanone	7.482	43	19681	17.878	ug/l #	85
29) Tetrahydrofuran	7.824	42	695	0.880	ug/l #	29
31) Cyclohexane	8.229	56	3976	1.361	ug/l #	38
36) 1,1-Dichloropropene	8.229	75	13105	5.498	ug/l #	49
37) Ethyl Acetate	7.547	43	3589	1.393	ug/l #	68
38) Carbon Tetrachloride	8.235	117	14222	6.105	ug/l #	12
42) 1,2-Dichloroethane	8.694	62	1428	0.537	ug/l #	73
43) Isopropyl Acetate	8.688	43	213847	44.133	ug/l #	76
45) 1,2-Dichloropropane	9.741	63	1458	0.779	ug/l #	45
48) Methyl methacrylate	9.659	41	6546	2.830	ug/l #	37
49) 1,4-Dioxane	9.735	88	184	5.234	ug/l #	1
51) 4-Methyl-2-Pentanone	10.441	43	11819	4.333	ug/l #	68
52) Toluene	10.629	92	1577	0.368	ug/l	97
53) t-1,3-Dichloropropene	10.723	75	822	0.277	ug/l	94
54) cis-1,3-Dichloropropene	10.359	75	45685	14.925	ug/l #	67
57) 1,3-Dichloropropane	11.200	76	5826	1.945	ug/l #	42
59) 2-Hexanone	11.170	43	112401	55.370	ug/l #	23
74) N-amyl acetate	12.459	43	5925	1.506	ug/l #	41
76) 1,2,3-Trichloropropane	12.847	75	59660	28.946	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.847	75	59660	59.313	ug/l #	12

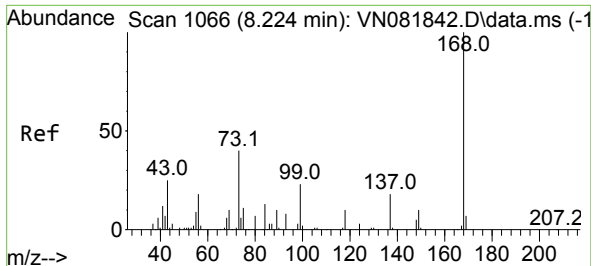
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN050924\
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Quant Time: May 10 03:56:22 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N042524W.M
Quant Title : SW846 8260
QLast Update : Fri Apr 26 05:26:49 2024
Response via : Initial Calibration

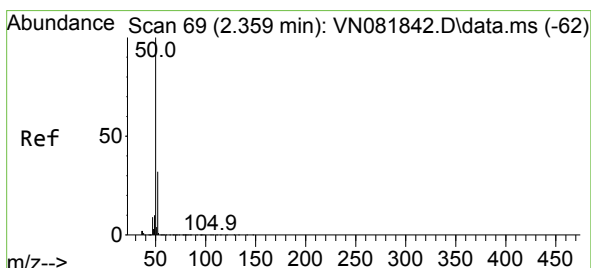
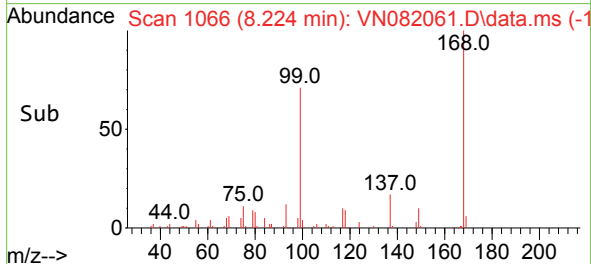
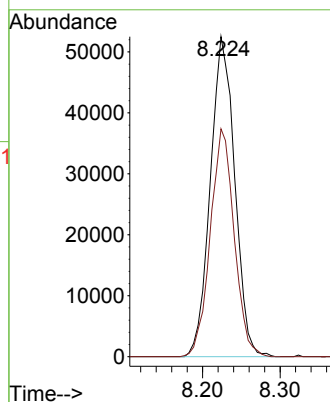
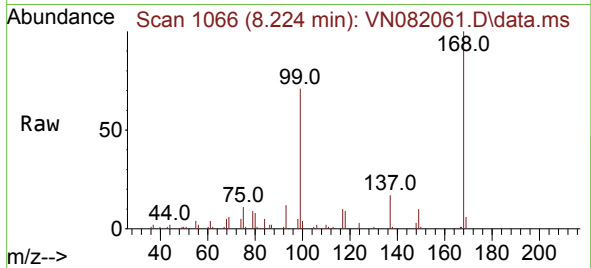




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.224 min Scan# 10
Delta R.T. -0.000 min
Lab File: VN082061.D
Acq: 09 May 2024 19:22

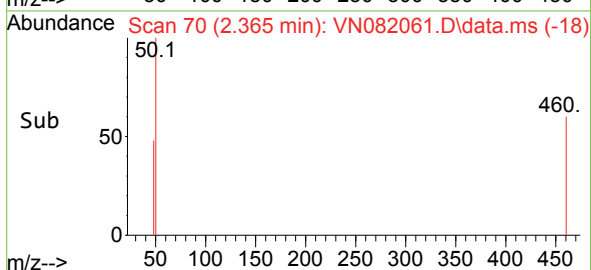
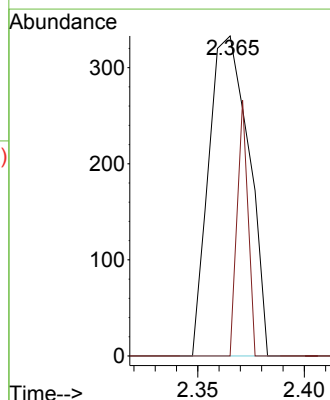
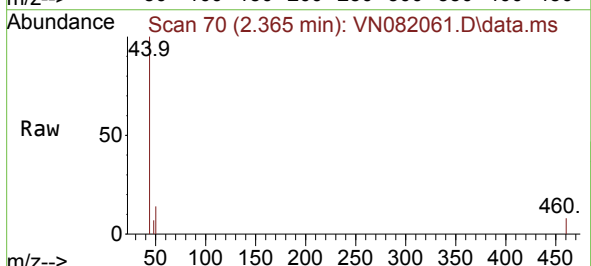
Instrument :
MSVOA_N
ClientSampleId :

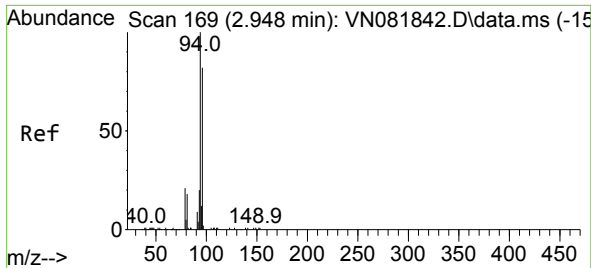
Tgt Ion:168 Resp: 114922
Ion Ratio Lower Upper
168 100
99 71.2 48.2 72.4



#3
Chloromethane
Concen: 0.258 ug/l
RT: 2.365 min Scan# 70
Delta R.T. 0.006 min
Lab File: VN082061.D
Acq: 09 May 2024 19:22

Tgt Ion: 50 Resp: 435
Ion Ratio Lower Upper
50 100
52 0.0 25.5 38.3#

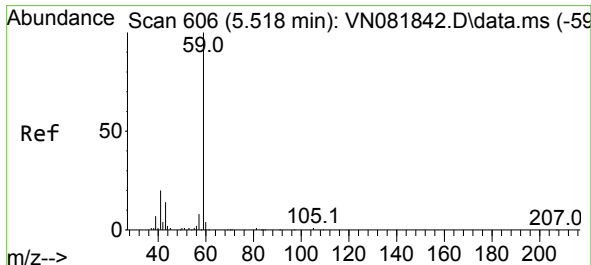
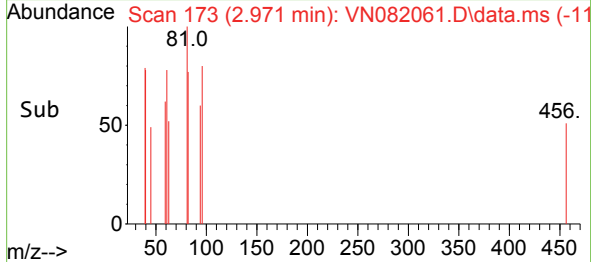
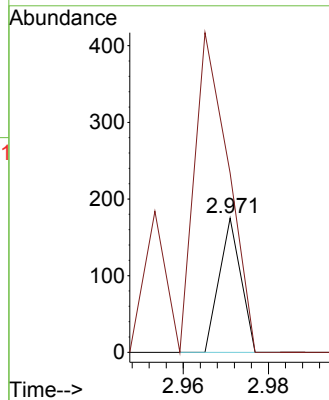
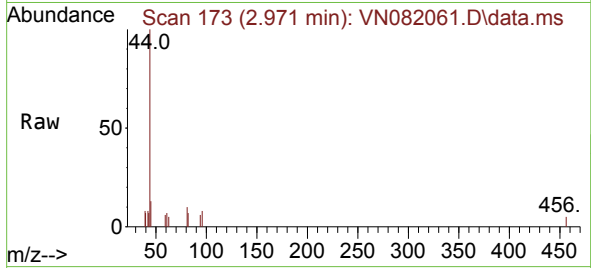




#5
Bromomethane
Concen: Below Cal
RT: 2.971 min Scan# 11
Delta R.T. 0.023 min
Lab File: VN082061.D
Acq: 09 May 2024 19:22

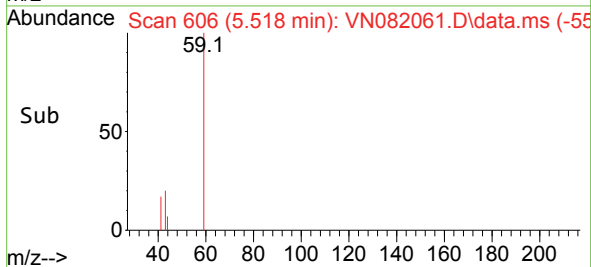
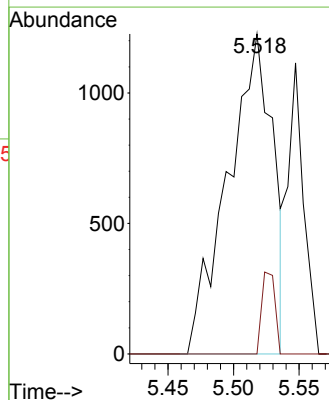
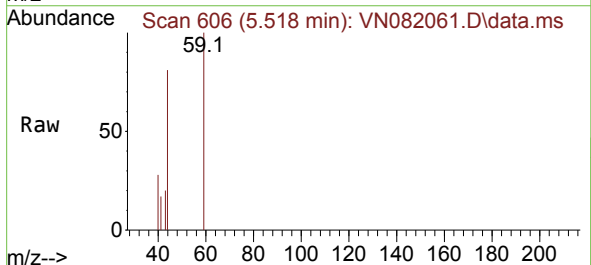
Instrument :
MSVOA_N
ClientSampleId :

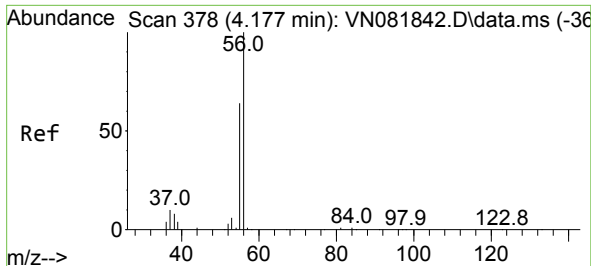
Tgt Ion: 94 Resp: 62
Ion Ratio Lower Upper
94 100
96 133.7 74.8 112.2#



#11
Tert butyl alcohol
Concen: 8.315 ug/l
RT: 5.518 min Scan# 606
Delta R.T. -0.000 min
Lab File: VN082061.D
Acq: 09 May 2024 19:22

Tgt Ion: 59 Resp: 2932
Ion Ratio Lower Upper
59 100
57 7.4 8.9 13.3#

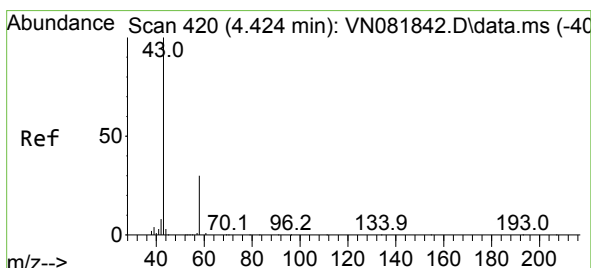
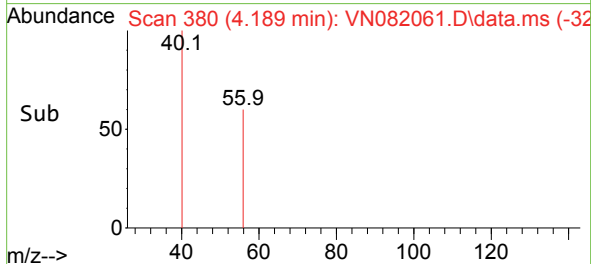
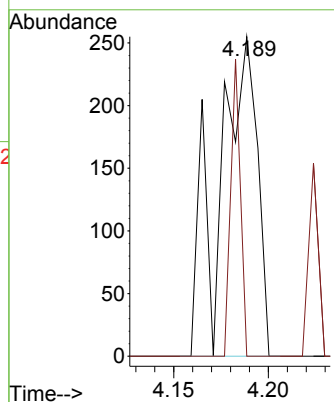
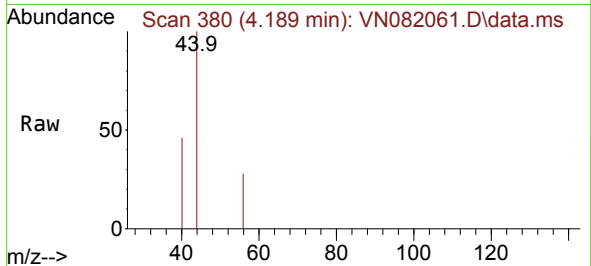




#13
Acrolein
Concen: Below Cal
RT: 4.189 min Scan# 31
Delta R.T. 0.012 min
Lab File: VN082061.D
Acq: 09 May 2024 19:22

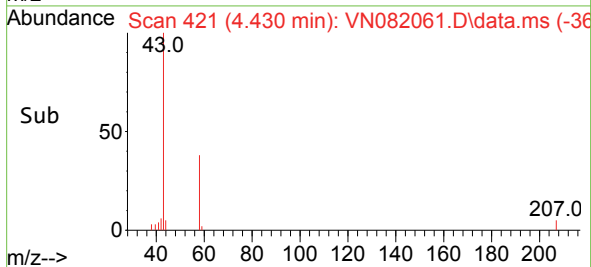
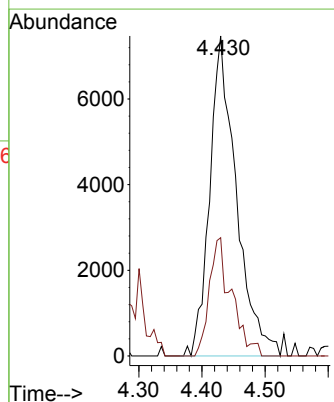
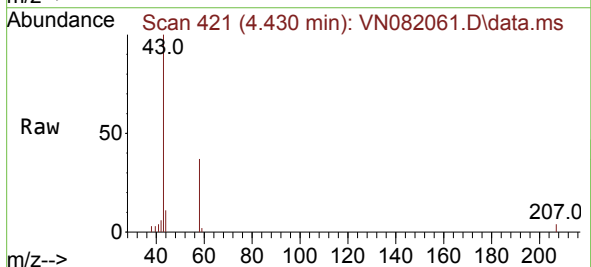
Instrument :
MSVOA_N
ClientSampleId :

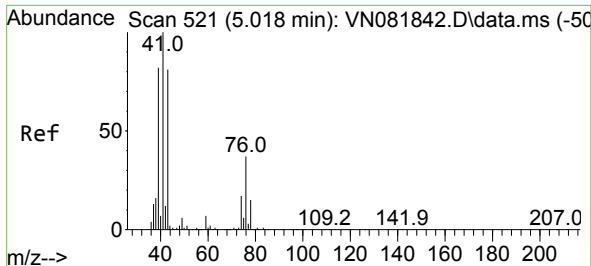
Tgt Ion: 56 Resp: 359
Ion Ratio Lower Upper
56 100
55 23.4 55.8 83.8#



#16
Acetone
Concen: 33.351 ug/l
RT: 4.430 min Scan# 421
Delta R.T. 0.006 min
Lab File: VN082061.D
Acq: 09 May 2024 19:22

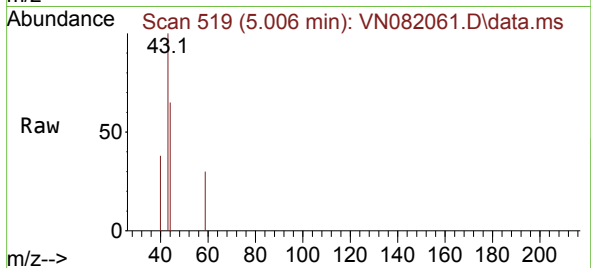
Tgt Ion: 43 Resp: 21846
Ion Ratio Lower Upper
43 100
58 36.9 25.2 37.8



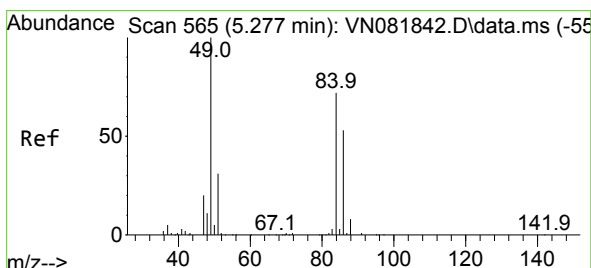
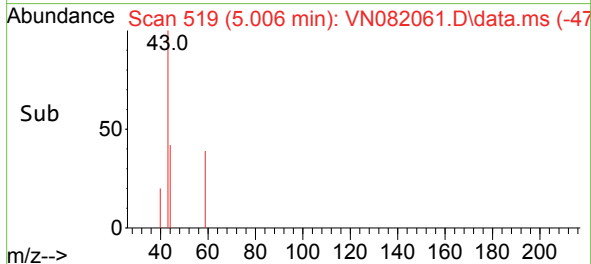
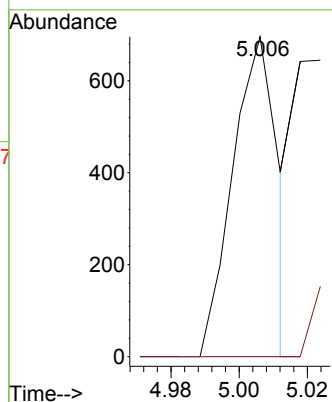


#18
Methyl Acetate
Concen: 0.328 ug/l
RT: 5.006 min Scan# 519
Delta R.T. -0.012 min
Lab File: VN082061.D
Acq: 09 May 2024 19:22

Instrument :
MSVOA_N
ClientSampleId :

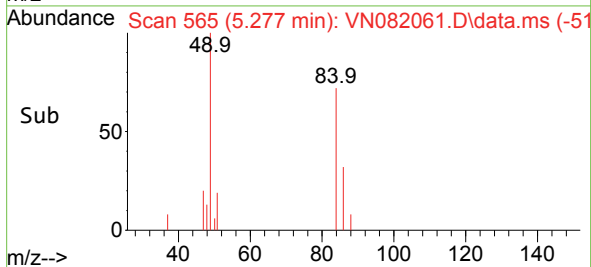
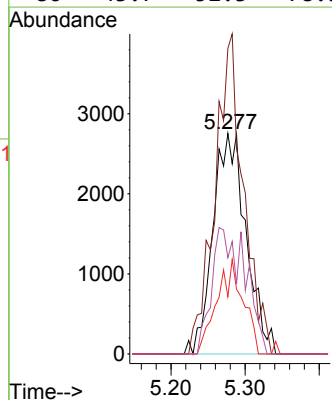
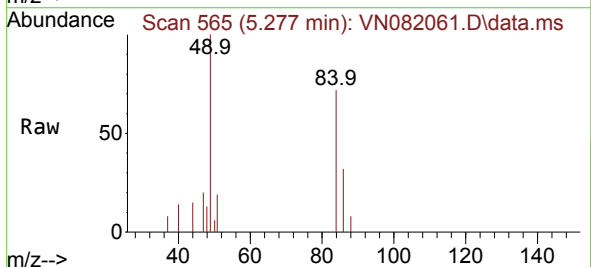


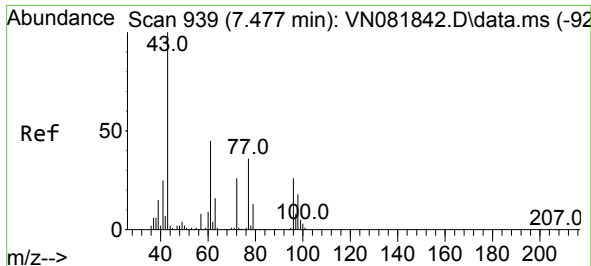
Tgt Ion: 43 Resp: 645
Ion Ratio Lower Upper
43 100
74 0.0 22.2 33.2#



#20
Methylene Chloride
Concen: 5.152 ug/l
RT: 5.277 min Scan# 565
Delta R.T. -0.000 min
Lab File: VN082061.D
Acq: 09 May 2024 19:22

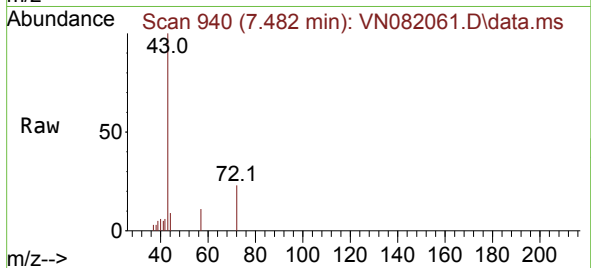
Tgt Ion: 84 Resp: 8563
Ion Ratio Lower Upper
84 100
49 138.6 84.9 127.3#
51 26.0 27.0 40.6#
86 43.7 52.3 78.5#



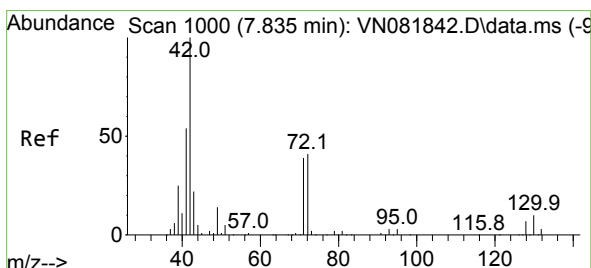
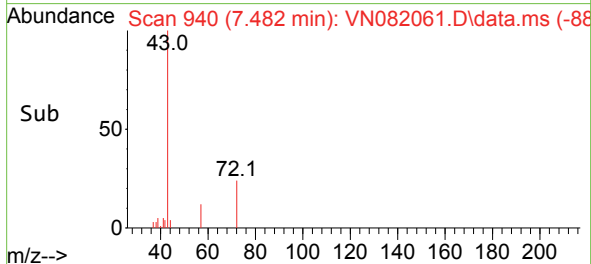
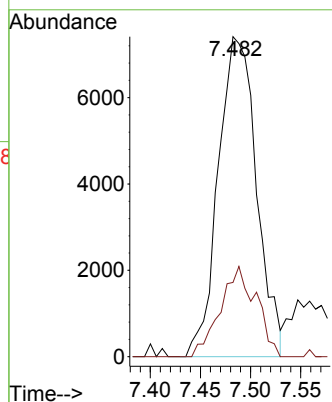


#25
2-Butanone
Concen: 17.878 ug/l
RT: 7.482 min Scan# 941
Delta R.T. 0.006 min
Lab File: VN082061.D
Acq: 09 May 2024 19:22

Instrument :
MSVOA_N
ClientSampleId :

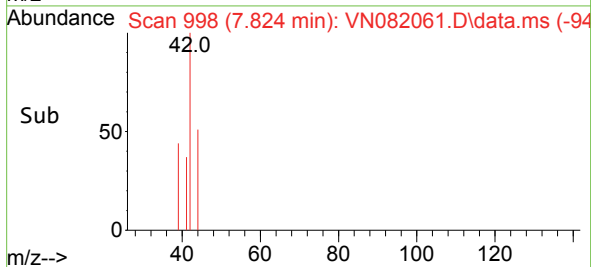
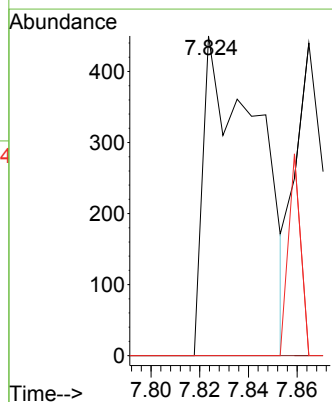
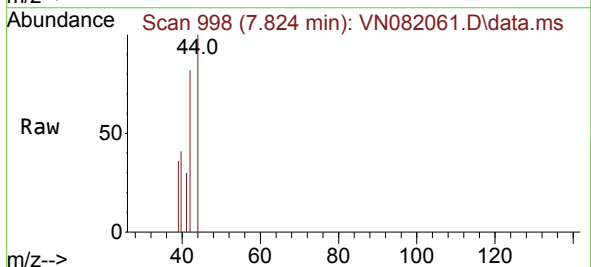


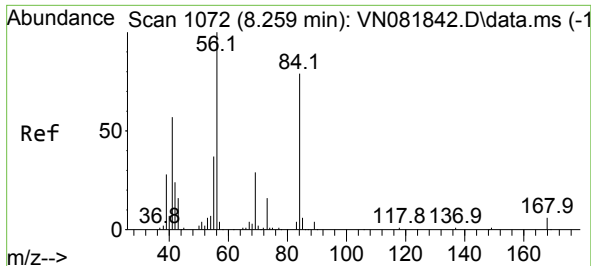
Tgt Ion: 43 Resp: 19681
Ion Ratio Lower Upper
43 100
72 23.2 25.3 37.9#



#29
Tetrahydrofuran
Concen: 0.880 ug/l
RT: 7.824 min Scan# 998
Delta R.T. -0.012 min
Lab File: VN082061.D
Acq: 09 May 2024 19:22

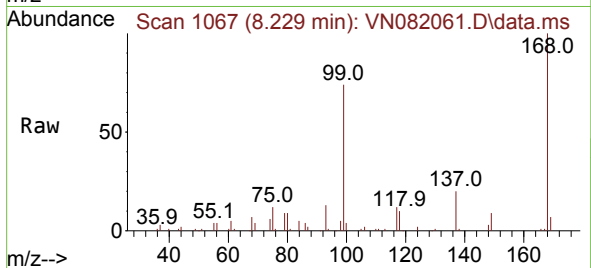
Tgt Ion: 42 Resp: 695
Ion Ratio Lower Upper
42 100
72 0.0 39.3 58.9#
71 0.0 37.4 56.0#



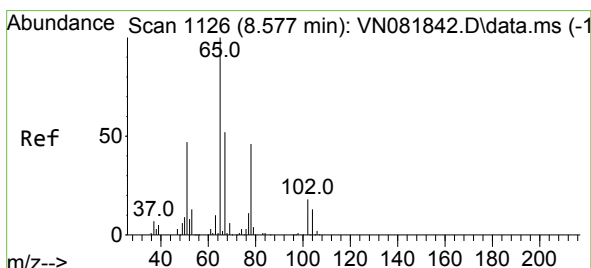
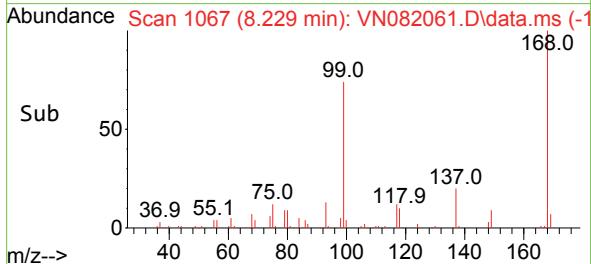
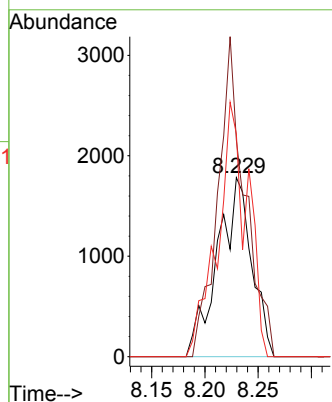


#31
Cyclohexane
Concen: 1.361 ug/l
RT: 8.229 min Scan# 1067
Delta R.T. -0.029 min
Lab File: VN082061.D
Acq: 09 May 2024 19:22

Instrument :
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ClientSampleId :

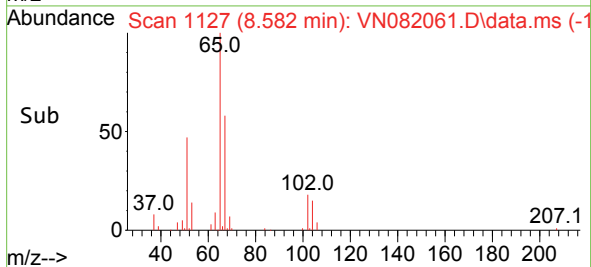
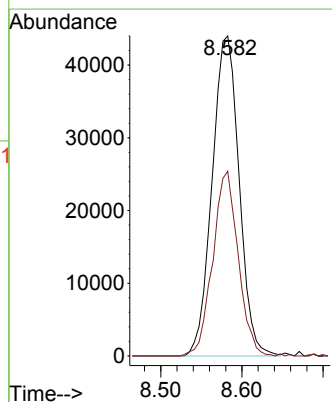
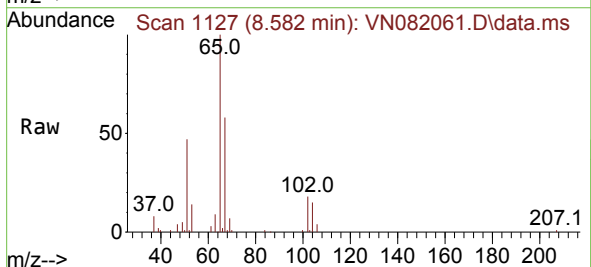


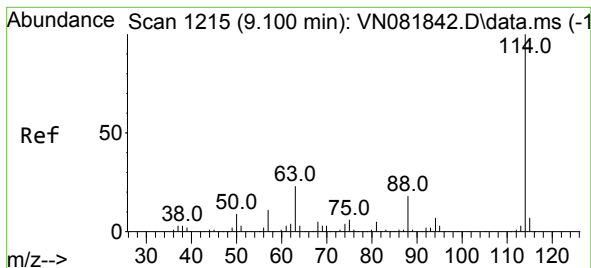
Tgt Ion: 56 Resp: 3976
Ion Ratio Lower Upper
56 100
69 121.0 24.4 36.6#
84 124.4 77.0 115.4#



#33
1,2-Dichloroethane-d4
Concen: 52.492 ug/l
RT: 8.582 min Scan# 1127
Delta R.T. 0.006 min
Lab File: VN082061.D
Acq: 09 May 2024 19:22

Tgt Ion: 65 Resp: 101813
Ion Ratio Lower Upper
65 100
67 54.4 0.0 103.0





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.106 min Scan# 11

Delta R.T. 0.006 min

Lab File: VN082061.D

Acq: 09 May 2024 19:22

Instrument :

MSVOA_N

ClientSampleId :

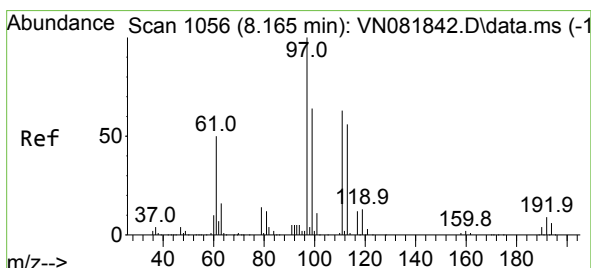
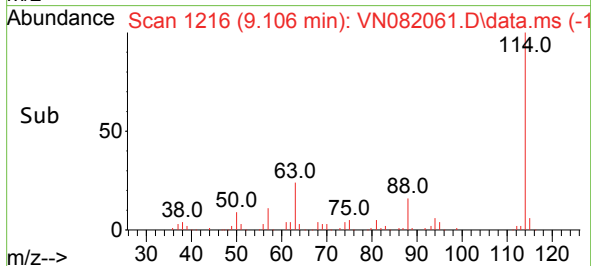
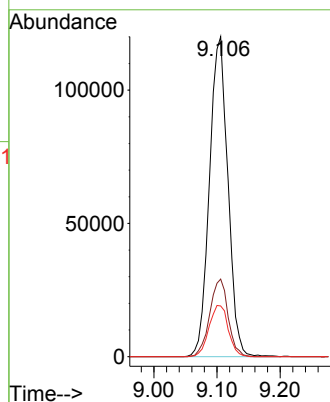
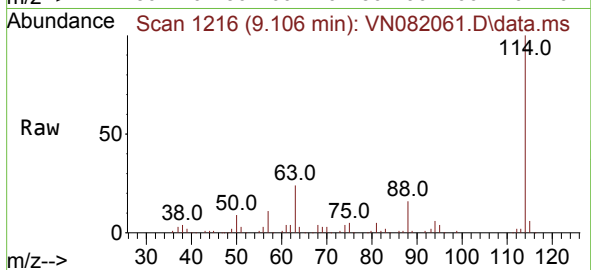
Tgt Ion:114 Resp: 243326

Ion Ratio Lower Upper

114 100

63 24.3 0.0 41.0

88 15.8 0.0 31.4



#35

Dibromofluoromethane

Concen: 50.882 ug/l

RT: 8.171 min Scan# 1057

Delta R.T. 0.006 min

Lab File: VN082061.D

Acq: 09 May 2024 19:22

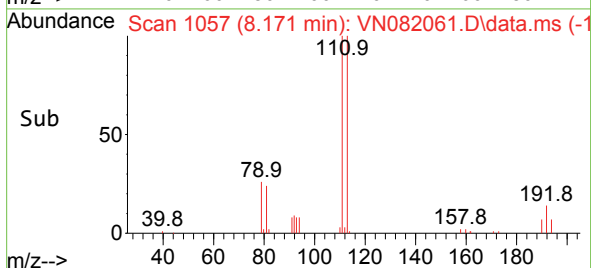
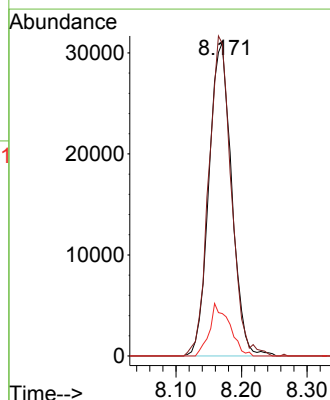
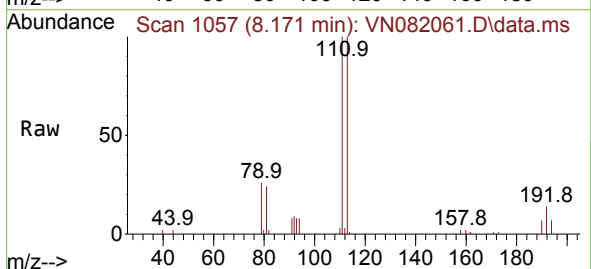
Tgt Ion:113 Resp: 74544

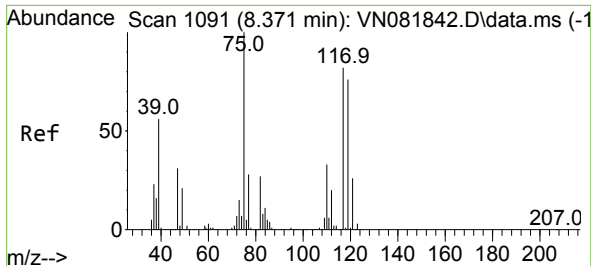
Ion Ratio Lower Upper

113 100

111 101.2 83.4 125.2

192 14.8 14.0 21.0





#36

1,1-Dichloropropene

Concen: 5.498 ug/l

RT: 8.229 min Scan# 1067

Delta R.T. -0.141 min

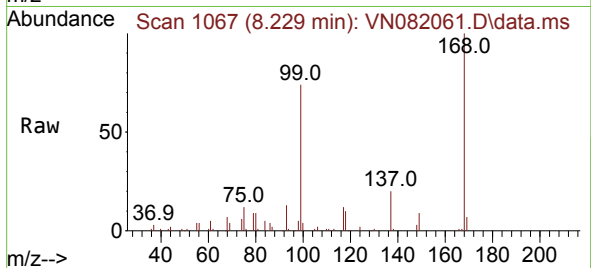
Lab File: VN082061.D

Acq: 09 May 2024 19:22

Instrument :

MSVOA_N

ClientSampleId :



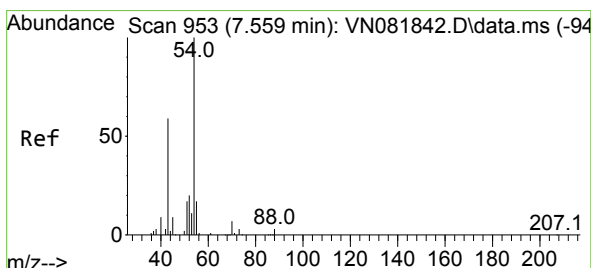
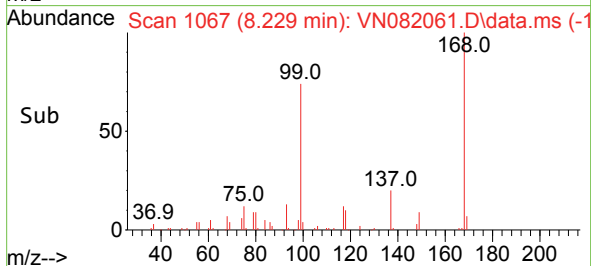
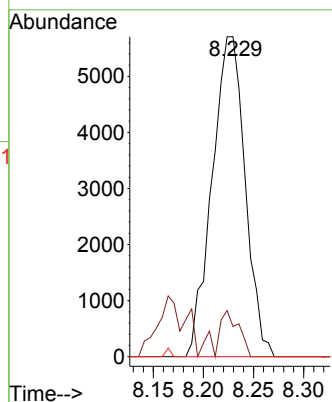
Tgt Ion: 75 Resp: 13105

Ion Ratio Lower Upper

75 100

110 9.0 17.8 53.5#

77 0.0 25.0 37.4#



#37

Ethyl Acetate

Concen: 1.393 ug/l

RT: 7.547 min Scan# 951

Delta R.T. -0.012 min

Lab File: VN082061.D

Acq: 09 May 2024 19:22

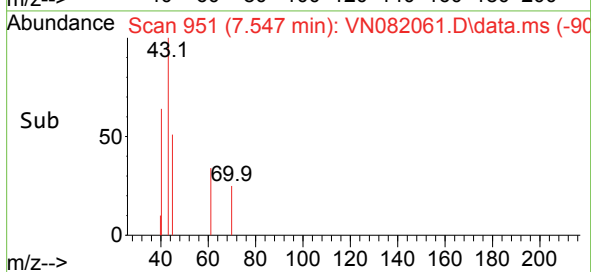
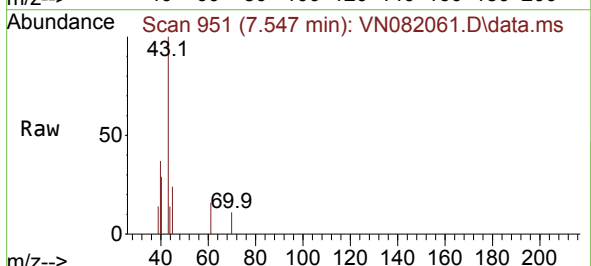
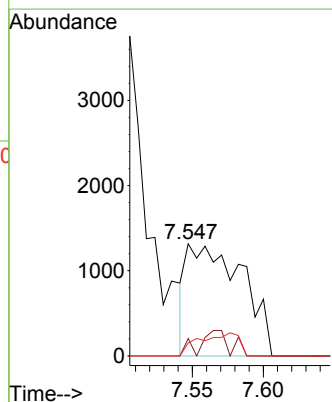
Tgt Ion: 43 Resp: 3589

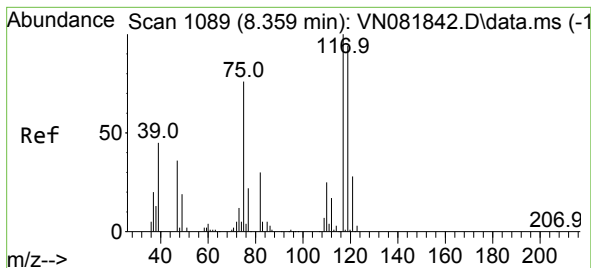
Ion Ratio Lower Upper

43 100

61 0.0 11.3 16.9#

70 0.0 8.7 13.1#





#38

Carbon Tetrachloride

Concen: 6.105 ug/l

RT: 8.235 min Scan# 1068

Delta R.T. -0.124 min

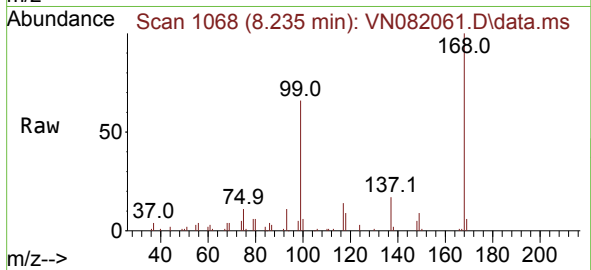
Lab File: VN082061.D

Acq: 09 May 2024 19:22

Instrument :

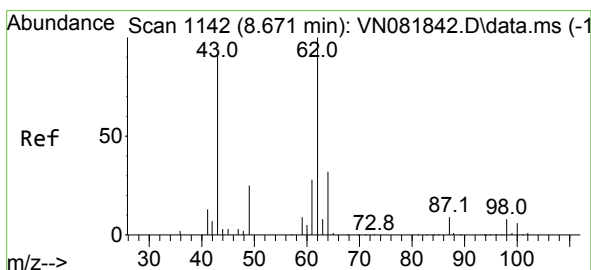
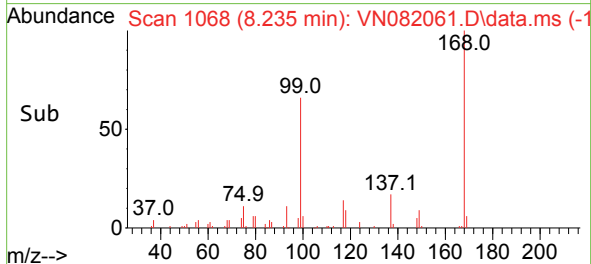
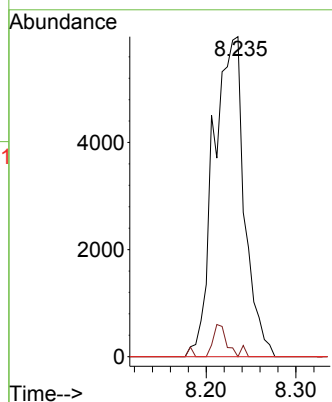
MSVOA_N

ClientSampleId :



Tgt Ion:117 Resp: 14222

Ion	Ratio	Lower	Upper
117	100		
119	0.0	76.5	114.7#
121	0.0	23.9	35.9#



#42

1,2-Dichloroethane

Concen: 0.537 ug/l

RT: 8.694 min Scan# 1146

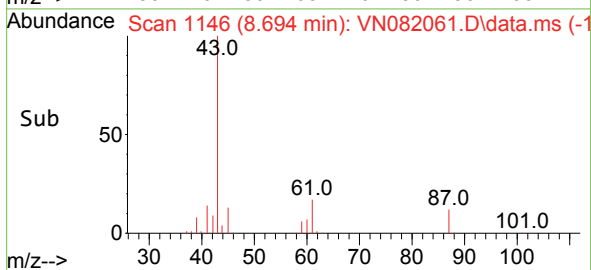
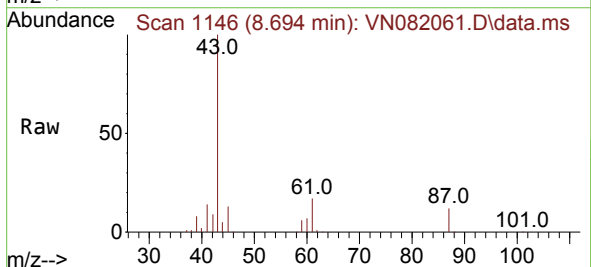
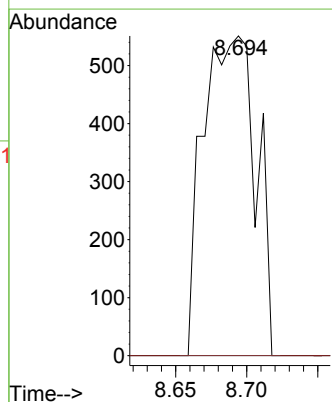
Delta R.T. 0.023 min

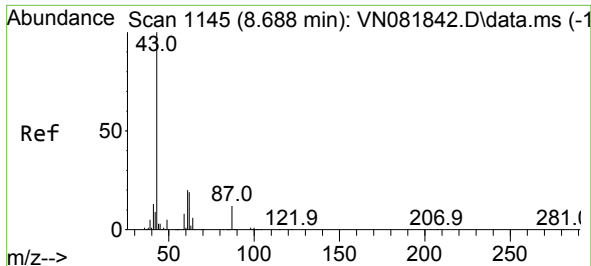
Lab File: VN082061.D

Acq: 09 May 2024 19:22

Tgt Ion: 62 Resp: 1428

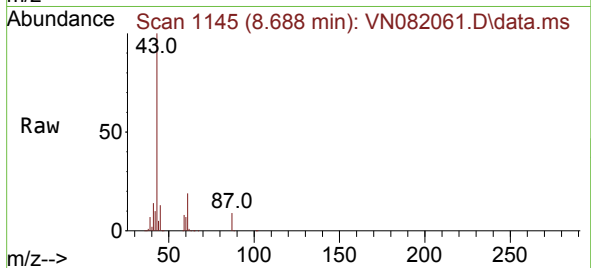
Ion	Ratio	Lower	Upper
62	100		
98	0.0	0.0	19.6



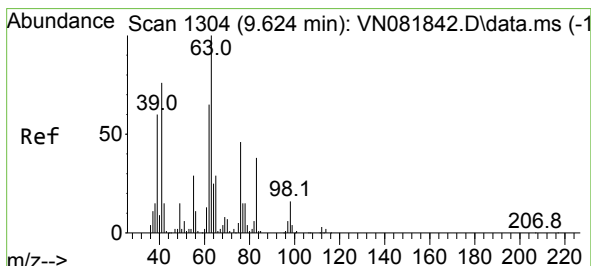
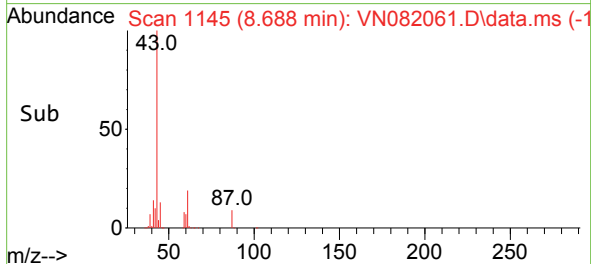
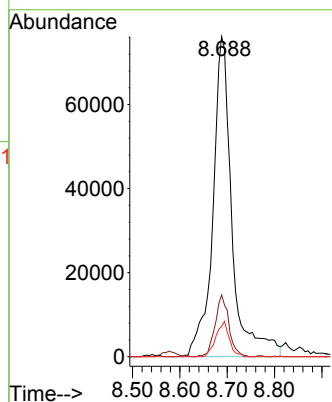


#43
Isopropyl Acetate
Concen: 44.133 ug/l
RT: 8.688 min Scan# 1145
Delta R.T. -0.000 min
Lab File: VN082061.D
Acq: 09 May 2024 19:22

Instrument :
MSVOA_N
ClientSampleId :

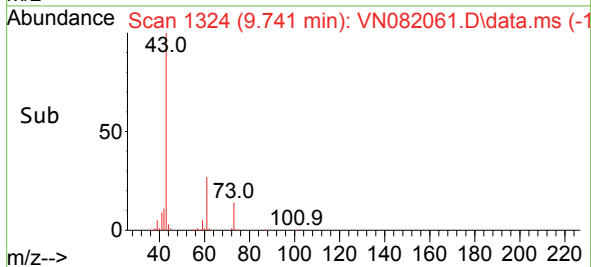
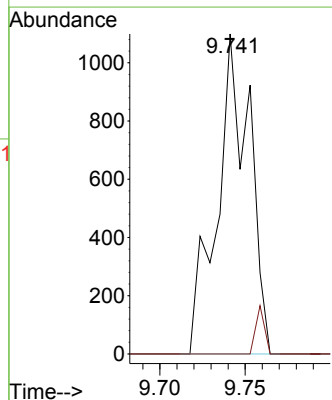
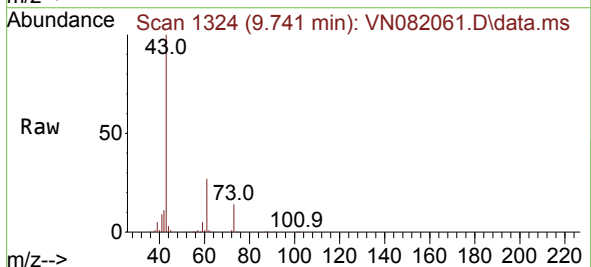


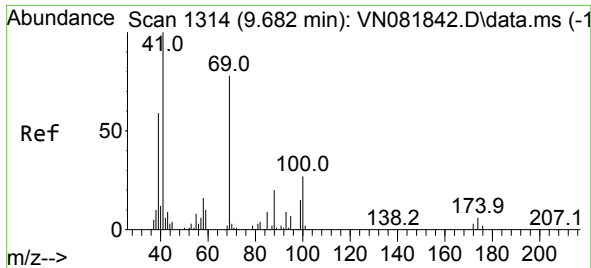
Tgt Ion: 43 Resp: 213847
Ion Ratio Lower Upper
43 100
61 13.9 22.8 34.2#
87 7.7 12.0 18.0#



#45
1,2-Dichloropropane
Concen: 0.779 ug/l
RT: 9.741 min Scan# 1324
Delta R.T. 0.118 min
Lab File: VN082061.D
Acq: 09 May 2024 19:22

Tgt Ion: 63 Resp: 1458
Ion Ratio Lower Upper
63 100
65 0.0 24.1 36.1#

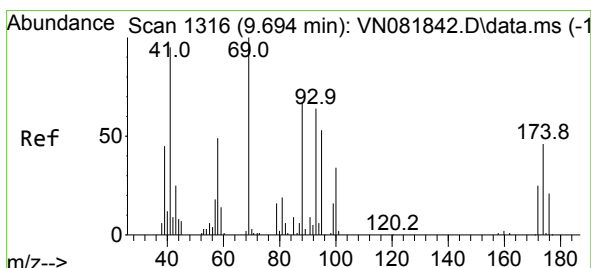
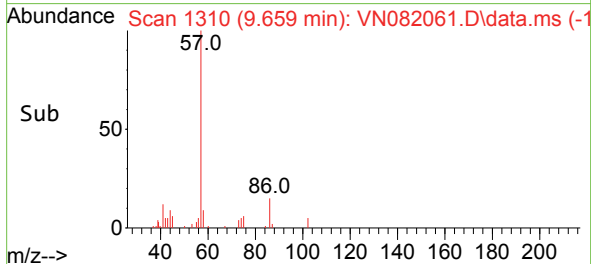
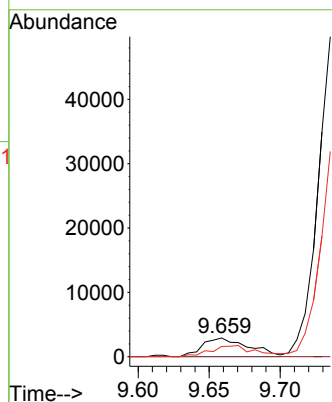
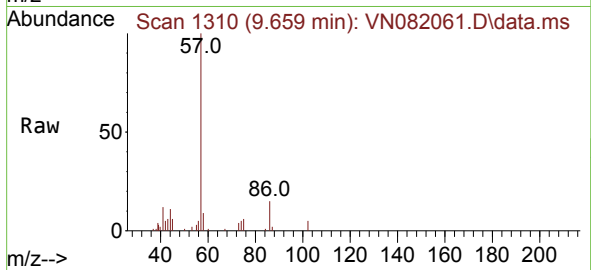




#48
Methyl methacrylate
Concen: 2.830 ug/l
RT: 9.659 min Scan# 11
Delta R.T. -0.024 min
Lab File: VN082061.D
Acq: 09 May 2024 19:22

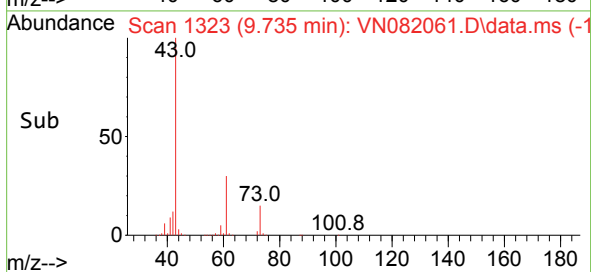
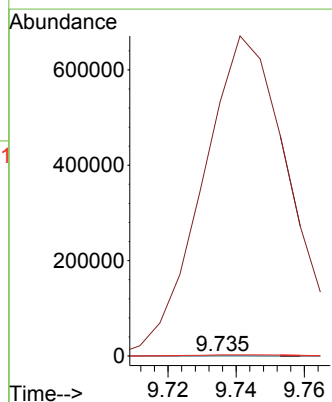
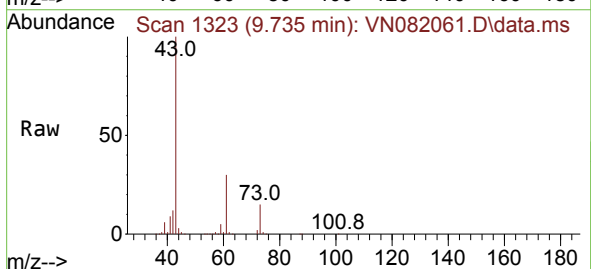
Instrument :
MSVOA_N
ClientSampleId :

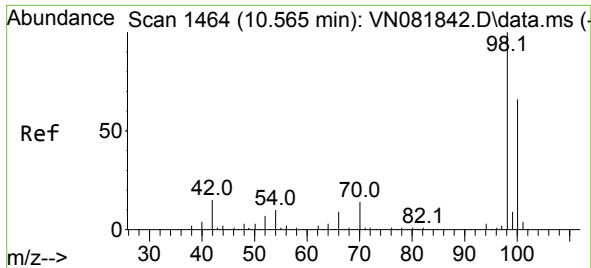
Tgt Ion: 41 Resp: 6546
Ion Ratio Lower Upper
41 100
69 0.0 77.9 116.9#
39 57.3 50.9 76.3



#49
1,4-Dioxane
Concen: 5.234 ug/l
RT: 9.735 min Scan# 1323
Delta R.T. 0.041 min
Lab File: VN082061.D
Acq: 09 May 2024 19:22

Tgt Ion: 88 Resp: 184
Ion Ratio Lower Upper
88 100
43 652015.2 19.0 28.6#
58 2663.0 50.6 76.0#

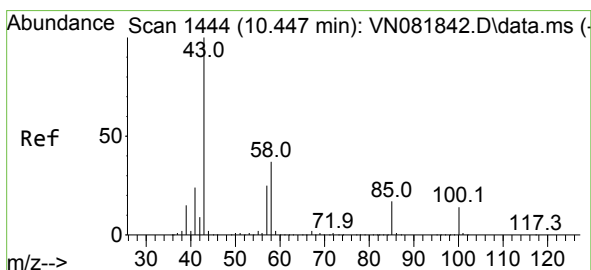
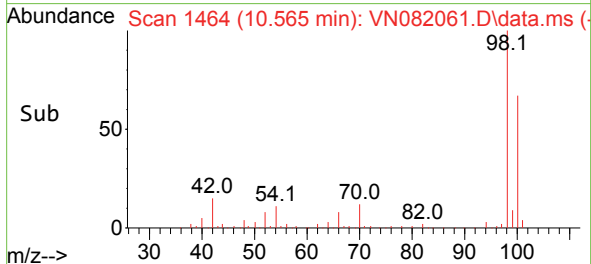
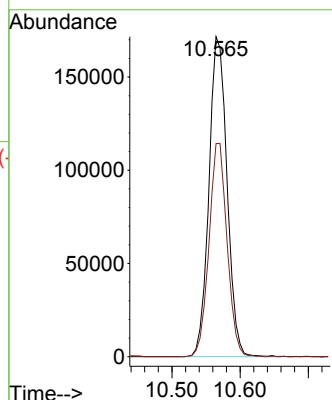
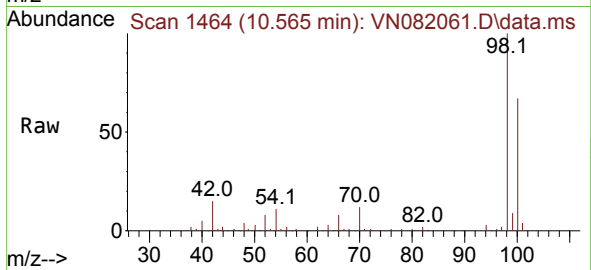




#50
Toluene-d8
Concen: 55.049 ug/l
RT: 10.565 min Scan# 1464
Delta R.T. -0.000 min
Lab File: VN082061.D
Acq: 09 May 2024 19:22

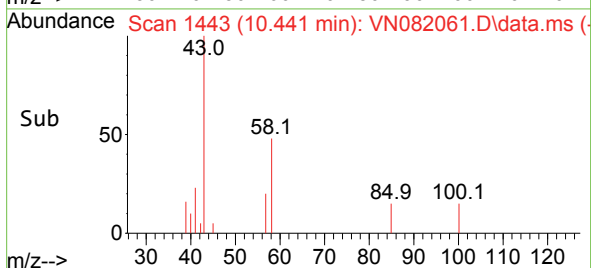
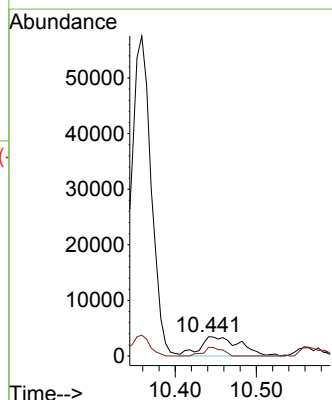
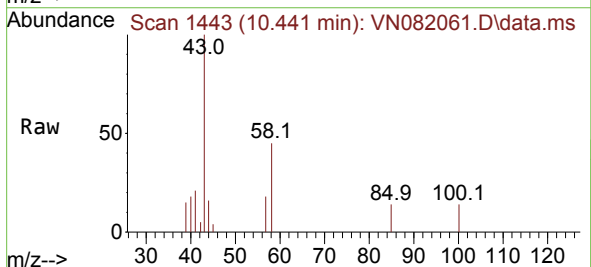
Instrument :
MSVOA_N
ClientSampleId :

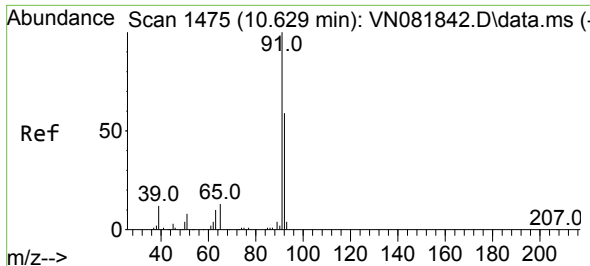
Tgt Ion: 98 Resp: 316739
Ion Ratio Lower Upper
98 100
100 66.7 51.8 77.6



#51
4-Methyl-2-Pentanone
Concen: 4.333 ug/l
RT: 10.441 min Scan# 1443
Delta R.T. -0.006 min
Lab File: VN082061.D
Acq: 09 May 2024 19:22

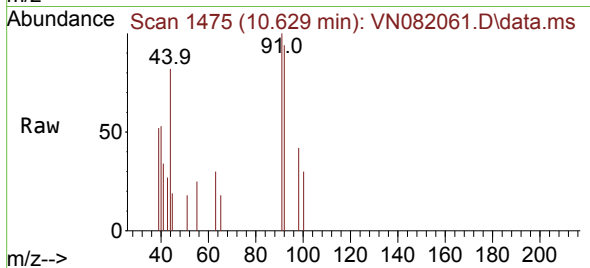
Tgt Ion: 43 Resp: 11819
Ion Ratio Lower Upper
43 100
58 21.5 33.2 49.8#



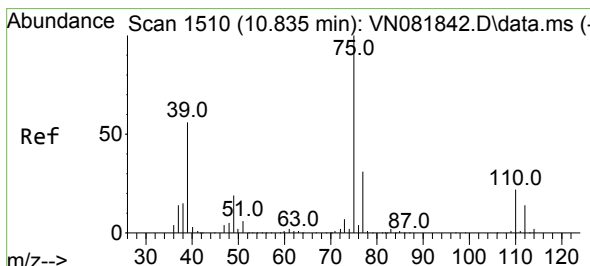
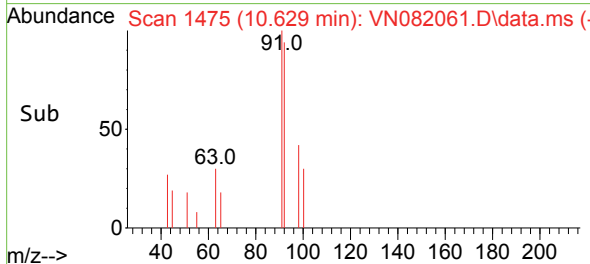
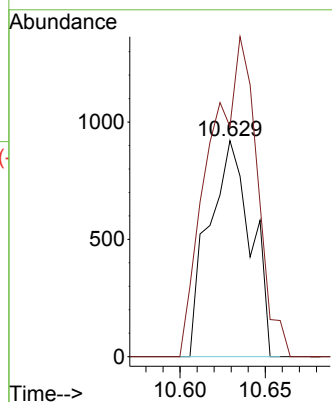


#52
Toluene
Concen: 0.368 ug/l
RT: 10.629 min Scan# 1475
Delta R.T. -0.000 min
Lab File: VN082061.D
Acq: 09 May 2024 19:22

Instrument :
MSVOA_N
ClientSampleId :

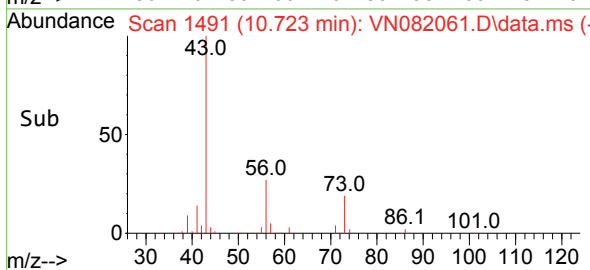
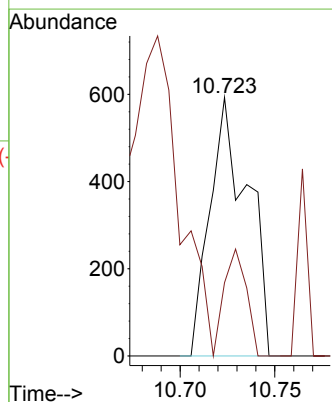
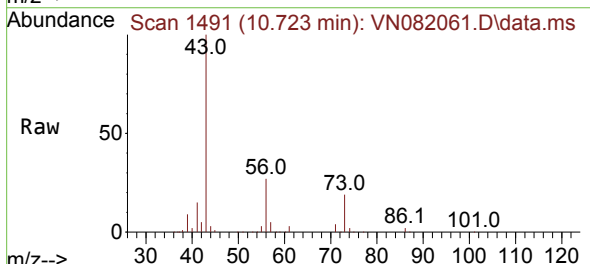


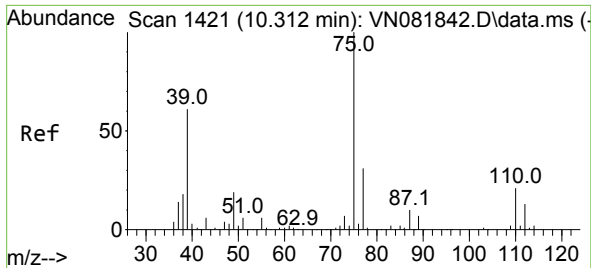
Tgt Ion: 92 Resp: 1577
Ion Ratio Lower Upper
92 100
91 166.1 136.7 205.1



#53
t-1,3-Dichloropropene
Concen: 0.277 ug/l
RT: 10.723 min Scan# 1491
Delta R.T. -0.112 min
Lab File: VN082061.D
Acq: 09 May 2024 19:22

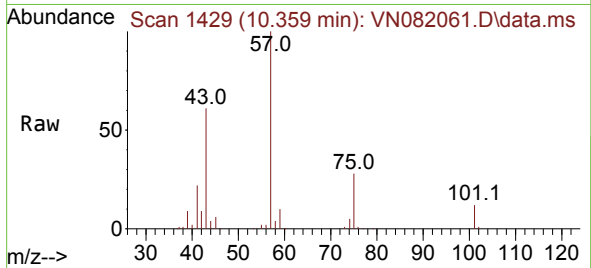
Tgt Ion: 75 Resp: 822
Ion Ratio Lower Upper
75 100
77 28.3 25.4 38.0



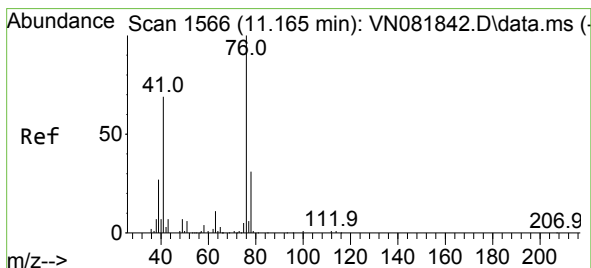
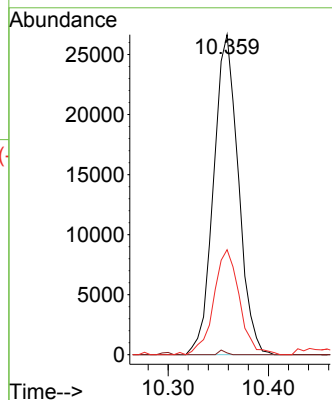
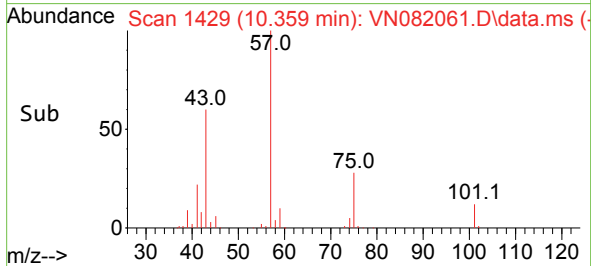


#54
 cis-1,3-Dichloropropene
 Concen: 14.925 ug/l
 RT: 10.359 min Scan# 1429
 Delta R.T. 0.047 min
 Lab File: VN082061.D
 Acq: 09 May 2024 19:22

Instrument :
 MSVOA_N
 ClientSampleId :

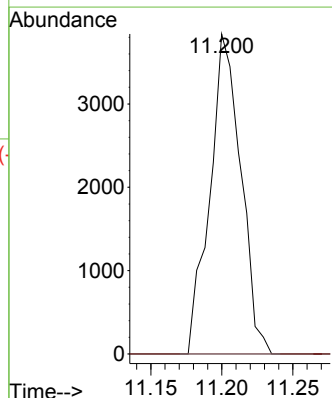
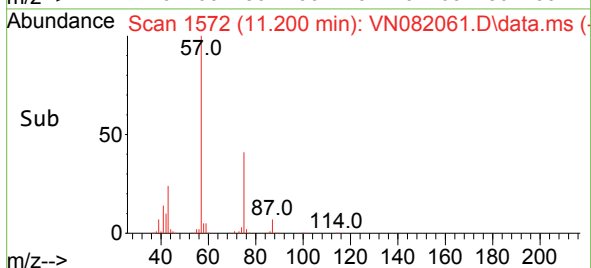
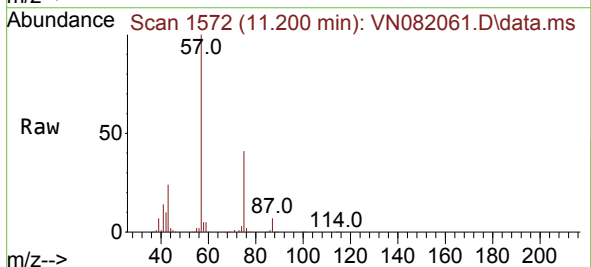


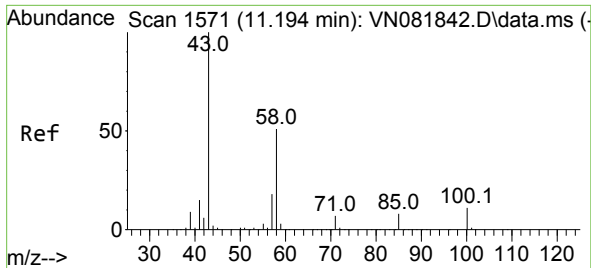
Tgt Ion: 75 Resp: 45685
 Ion Ratio Lower Upper
 75 100
 77 0.6 25.0 37.4#
 39 32.8 34.8 52.2#



#57
 1,3-Dichloropropane
 Concen: 1.945 ug/l
 RT: 11.200 min Scan# 1572
 Delta R.T. 0.035 min
 Lab File: VN082061.D
 Acq: 09 May 2024 19:22

Tgt Ion: 76 Resp: 5826
 Ion Ratio Lower Upper
 76 100
 78 0.0 25.8 38.6#

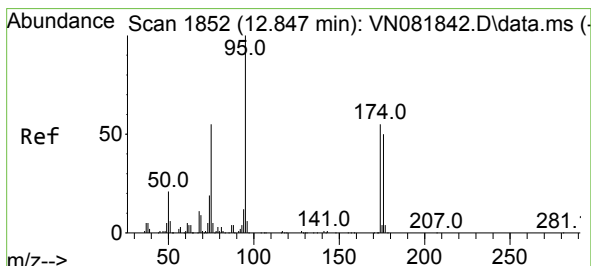
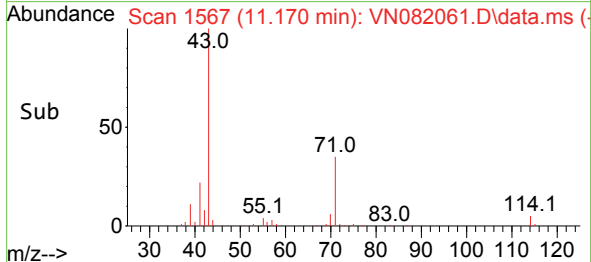
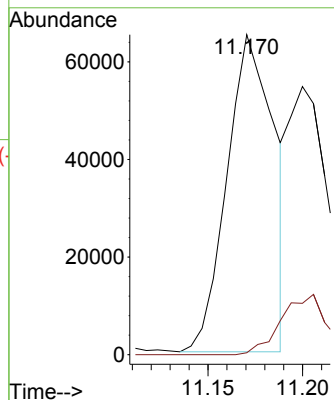
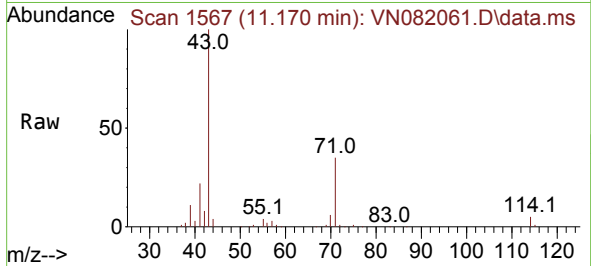




#59
2-Hexanone
Concen: 55.370 ug/l
RT: 11.170 min Scan# 1567
Delta R.T. -0.024 min
Lab File: VN082061.D
Acq: 09 May 2024 19:22

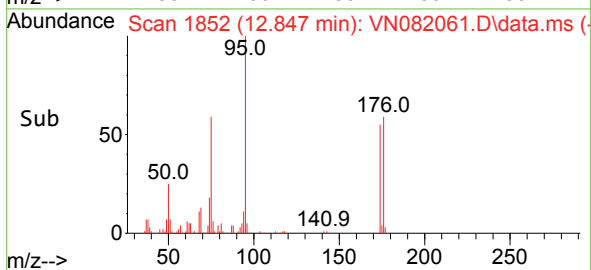
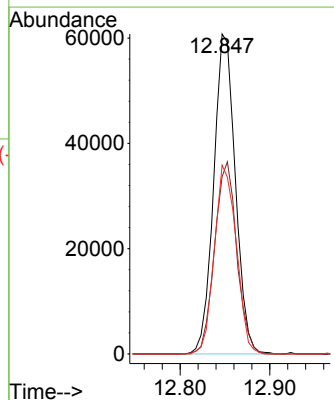
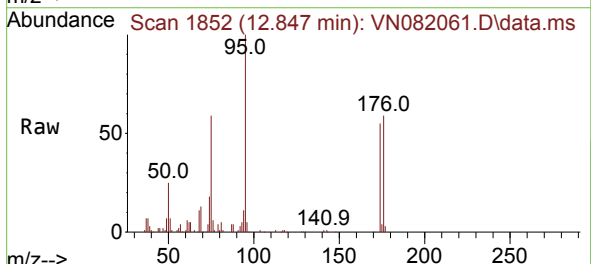
Instrument :
MSVOA_N
ClientSampleId :

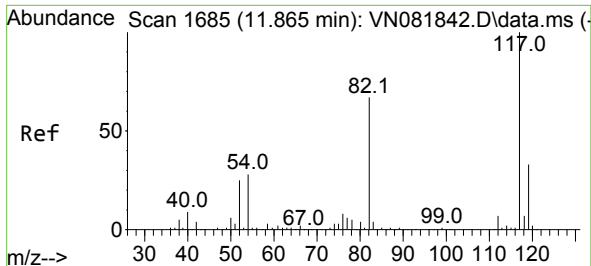
Tgt Ion: 43 Resp: 112401
Ion Ratio Lower Upper
43 100
58 0.0 28.3 84.9#



#62
4-Bromofluorobenzene
Concen: 44.922 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.000 min
Lab File: VN082061.D
Acq: 09 May 2024 19:22

Tgt Ion: 95 Resp: 102175
Ion Ratio Lower Upper
95 100
174 61.3 0.0 160.6
176 59.7 0.0 152.8

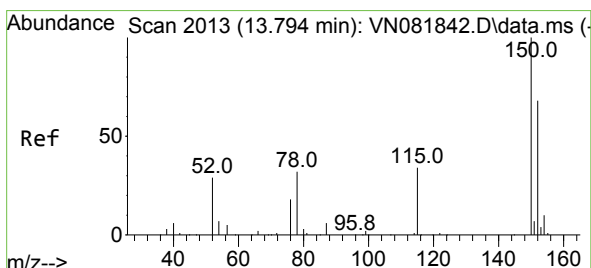
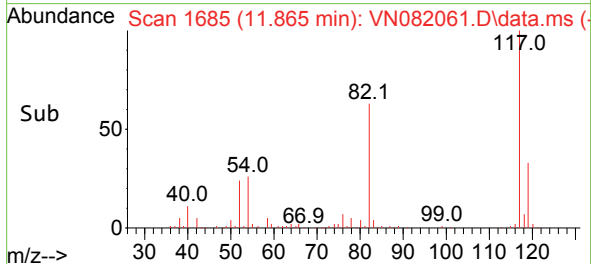
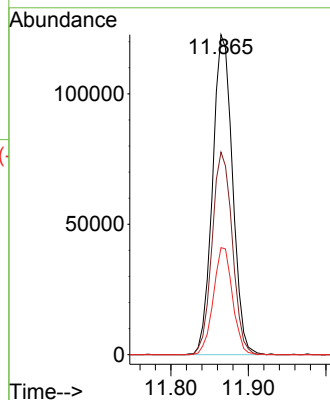
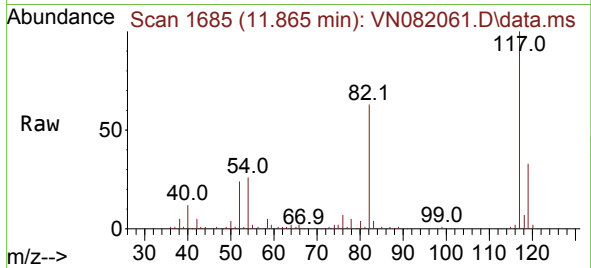




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 117
Delta R.T. -0.000 min
Lab File: VN082061.D
Acq: 09 May 2024 19:22

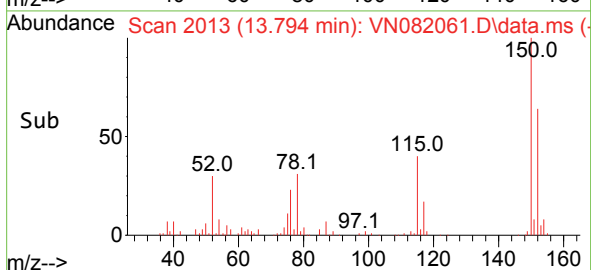
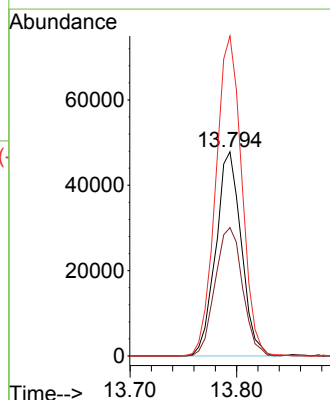
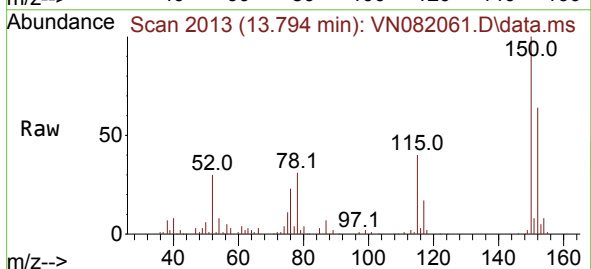
Instrument :
MSVOA_N
ClientSampleId :

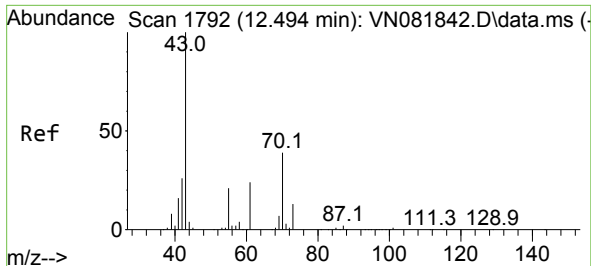
Tgt Ion:117 Resp: 219689
Ion Ratio Lower Upper
117 100
82 63.3 44.6 66.8
119 33.5 25.9 38.9



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.794 min Scan# 2013
Delta R.T. -0.000 min
Lab File: VN082061.D
Acq: 09 May 2024 19:22

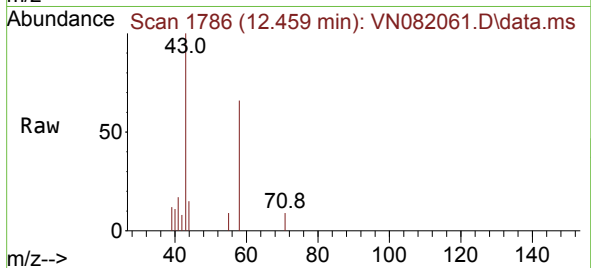
Tgt Ion:152 Resp: 79494
Ion Ratio Lower Upper
152 100
115 67.6 30.4 91.3
150 159.8 0.0 353.2



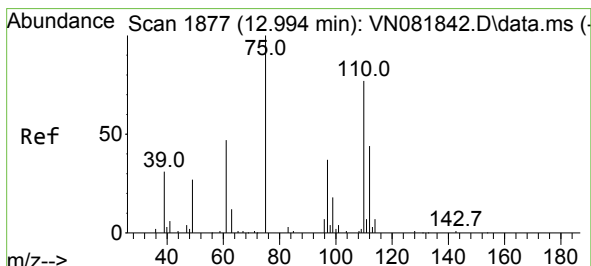
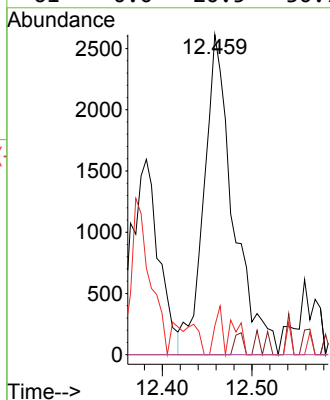
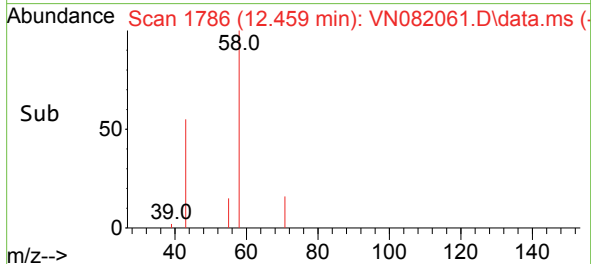


#74
N-amy1 acetate
Concen: 1.506 ug/l
RT: 12.459 min Scan# 1
Delta R.T. -0.035 min
Lab File: VN082061.D
Acq: 09 May 2024 19:22

Instrument :
MSVOA_N
ClientSampleId :

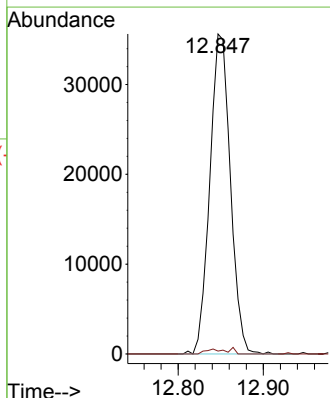
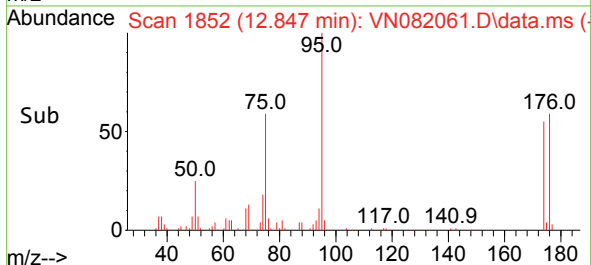
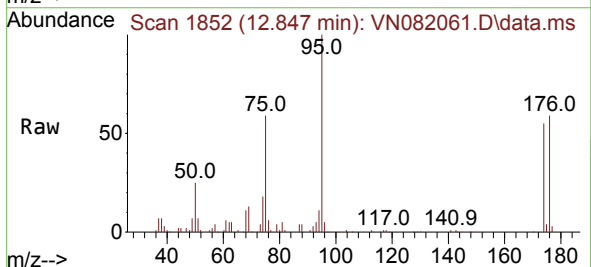


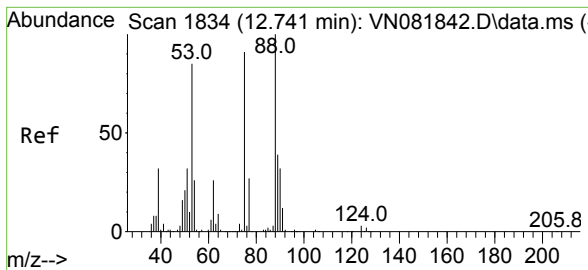
Tgt Ion: 43	Resp: 5925
Ion Ratio	Lower Upper
43	100
70	0.0 39.0 58.4#
55	3.8 21.3 31.9#
61	0.0 20.5 30.7#



#76
1,2,3-Trichloropropane
Concen: 28.946 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.147 min
Lab File: VN082061.D
Acq: 09 May 2024 19:22

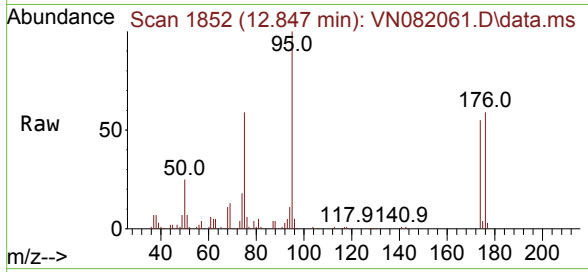
Tgt Ion: 75	Resp: 59660
Ion Ratio	Lower Upper
75	100
77	1.7 90.5 271.3#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 59.313 ug/l
 RT: 12.847 min Scan# 11
 Delta R.T. 0.106 min
 Lab File: VN082061.D
 Acq: 09 May 2024 19:22

Instrument :
 MSVOA_N
 ClientSampleId :



Tgt Ion	Ratio	Lower	Upper
75	100		
53	0.0	72.9	109.3#
89	0.0	39.1	58.7#

