

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN051624\
 Data File : VN082171.D
 Acq On : 16 May 2024 18:54
 Operator : JC\MD
 Sample : PB160937ZHE#06
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 PB160937ZHE#06

Quant Time: May 17 05:07:00 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N051524W.M
 Quant Title : SW846 8260
 QLast Update : Fri May 17 04:08:43 2024
 Response via : Initial Calibration

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

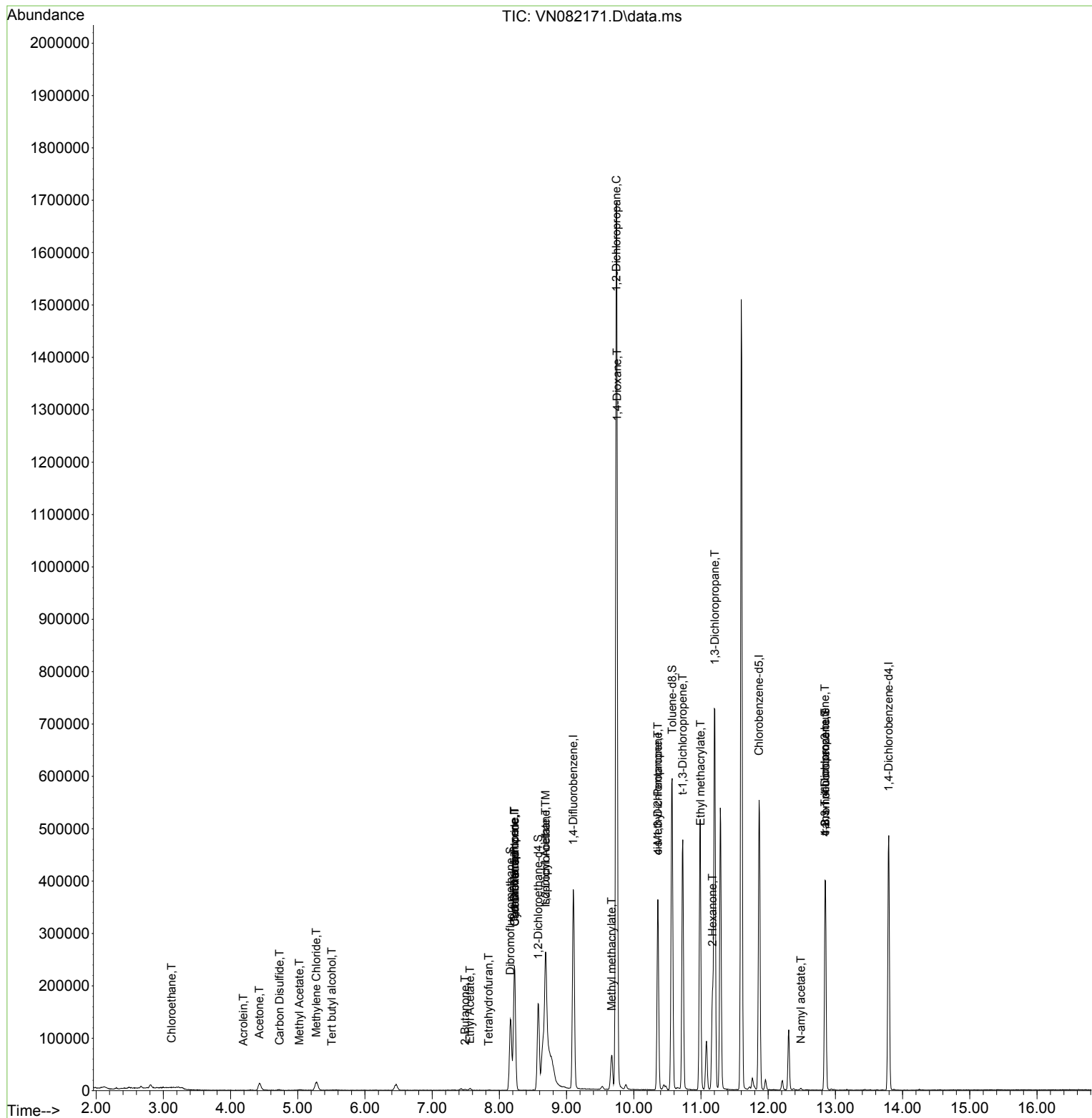
Internal Standards						
1) Pentafluorobenzene	8.224	168	161112	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	295193	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	286286	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	121058	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.577	65	137642	54.105	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 108.200%			
35) Dibromofluoromethane	8.165	113	95588	52.640	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 105.280%			
50) Toluene-d8	10.571	98	385142	55.321	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 110.640%			
62) 4-Bromofluorobenzene	12.853	95	131998	53.120	ug/l	0.00
Spiked Amount 50.000	Range 64 - 133		Recovery = 106.240%			
Target Compounds						
					Qvalue	
6) Chloroethane	3.124	64	379	0.235	ug/l #	44
11) Tert butyl alcohol	5.506	59	107	0.262	ug/l #	71
13) Acrolein	4.189	56	61	0.202	ug/l #	77
16) Acetone	4.430	43	26171	25.078	ug/l #	84
17) Carbon Disulfide	4.730	76	1699	0.299	ug/l #	74
18) Methyl Acetate	5.024	43	3136	1.207	ug/l #	51
20) Methylene Chloride	5.277	84	11303	5.368	ug/l #	72
25) 2-Butanone	7.488	43	2997	1.894	ug/l #	71
29) Tetrahydrofuran	7.841	42	400	0.394	ug/l #	51
31) Cyclohexane	8.230	56	4941	1.216	ug/l #	43
36) 1,1-Dichloropropene	8.224	75	15847	5.203	ug/l #	48
37) Ethyl Acetate	7.565	43	5110	1.499	ug/l #	71
38) Carbon Tetrachloride	8.230	117	18108	5.865	ug/l #	16
42) 1,2-Dichloroethane	8.688	62	1252	0.358	ug/l #	73
43) Isopropyl Acetate	8.688	43	550846	91.210	ug/l #	63
45) 1,2-Dichloropropane	9.741	63	1790	0.764	ug/l #	45
48) Methyl methacrylate	9.671	41	5252	1.825	ug/l #	39
49) 1,4-Dioxane	9.753	88	142	3.521	ug/l #	1
51) 4-Methyl-2-Pentanone	10.359	43	145025	42.265	ug/l #	43
53) t-1,3-Dichloropropene	10.729	75	935	0.278	ug/l #	43
54) cis-1,3-Dichloropropene	10.359	75	55268	15.545	ug/l #	76
56) Ethyl methacrylate	10.994	69	1675	0.498	ug/l #	1
57) 1,3-Dichloropropane	11.206	76	6795	1.835	ug/l #	42
59) 2-Hexanone	11.171	43	159768	63.590	ug/l #	23
74) N-amyl acetate	12.488	43	1216	0.230	ug/l #	39
76) 1,2,3-Trichloropropane	12.847	75	78365	30.756	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.847	75	78365	71.936	ug/l #	12

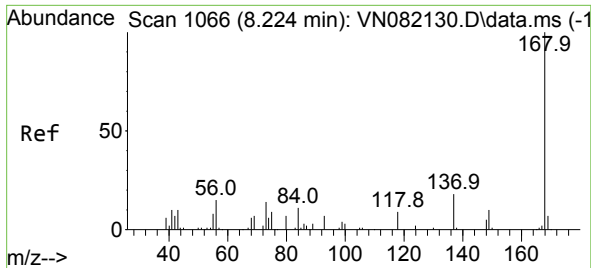
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN051624\
Data File : VN082171.D
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Sample : PB160937ZHE#06
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Instrument :
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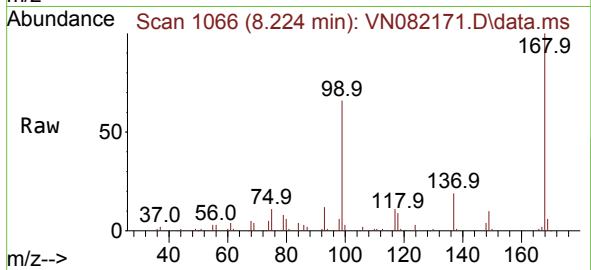
Quant Time: May 17 05:07:00 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N051524W.M
Quant Title : SW846 8260
QLast Update : Fri May 17 04:08:43 2024
Response via : Initial Calibration



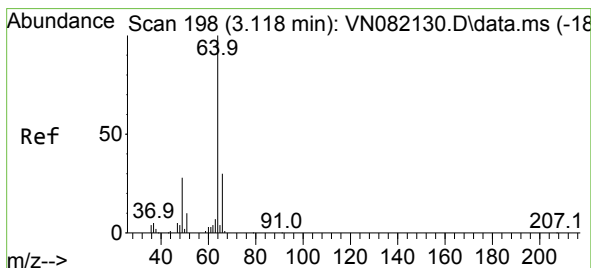
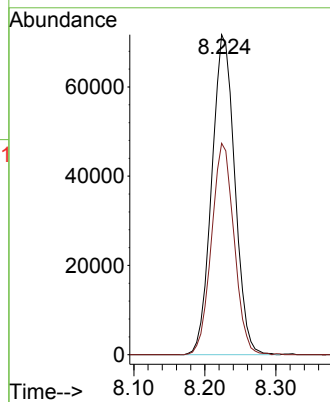
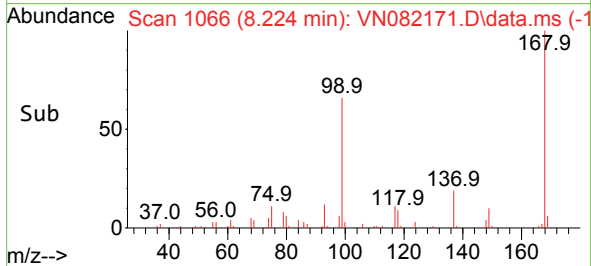


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. -0.000 min
Lab File: VN082171.D
Acq: 16 May 2024 18:54

Instrument :
MSVOA_N
ClientSampleId :
PB160937ZHE#06

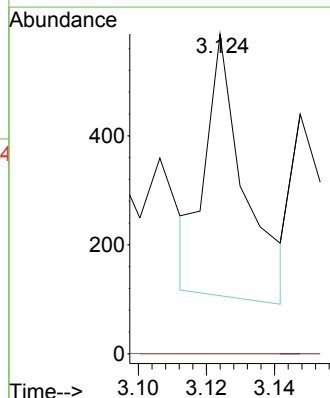
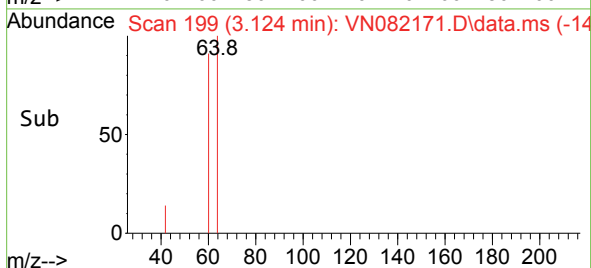
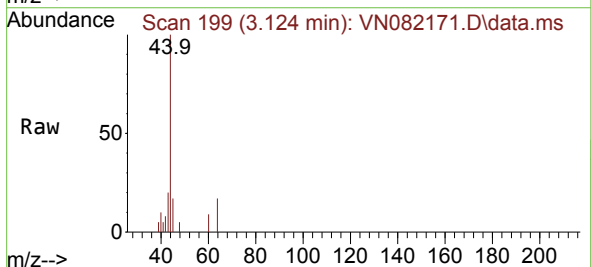


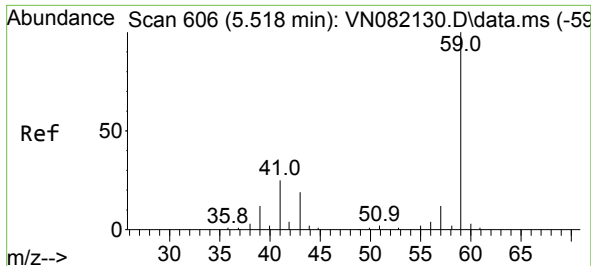
Tgt Ion:168 Resp: 161112
Ion Ratio Lower Upper
168 100
99 66.0 48.2 72.4



#6
Chloroethane
Concen: 0.235 ug/l
RT: 3.124 min Scan# 199
Delta R.T. 0.006 min
Lab File: VN082171.D
Acq: 16 May 2024 18:54

Tgt Ion: 64 Resp: 379
Ion Ratio Lower Upper
64 100
66 0.0 24.7 37.1#





#11

Tert butyl alcohol

Concen: 0.262 ug/l

RT: 5.506 min Scan# 606

Delta R.T. -0.012 min

Lab File: VN082171.D

Acq: 16 May 2024 18:54

Instrument :

MSVOA_N

ClientSampleId :

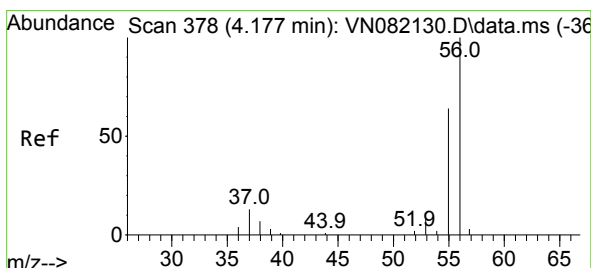
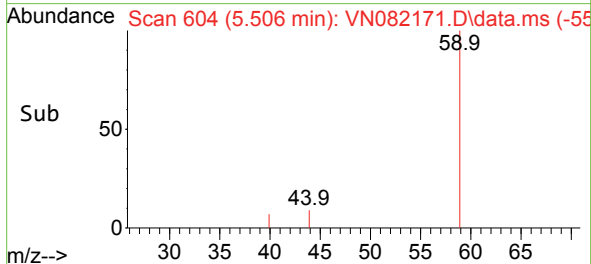
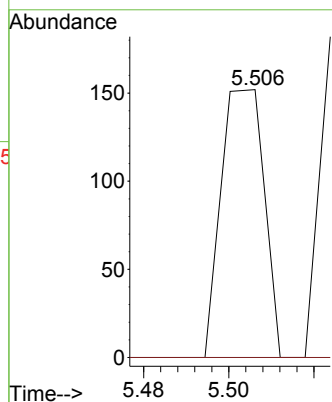
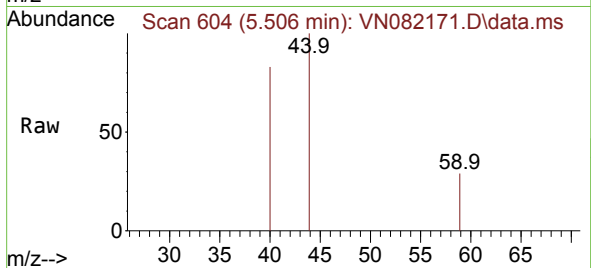
PB160937ZHE#06

Tgt Ion: 59 Resp: 107

Ion Ratio Lower Upper

59 100

57 0.0 8.9 13.3#



#13

Acrolein

Concen: 0.202 ug/l

RT: 4.189 min Scan# 380

Delta R.T. 0.012 min

Lab File: VN082171.D

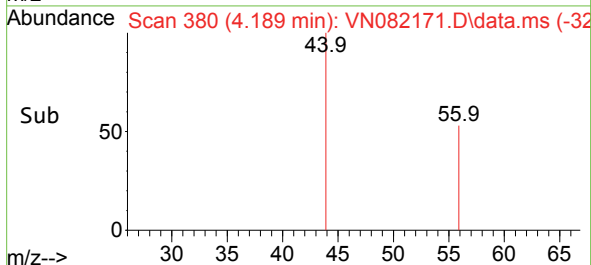
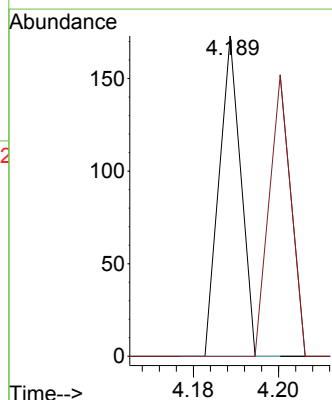
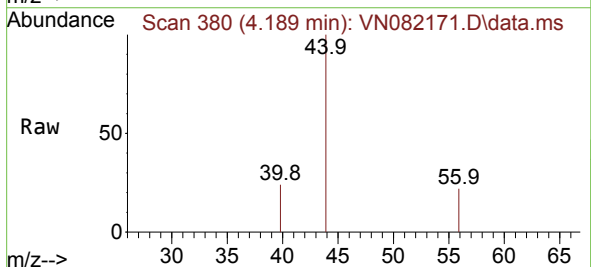
Acq: 16 May 2024 18:54

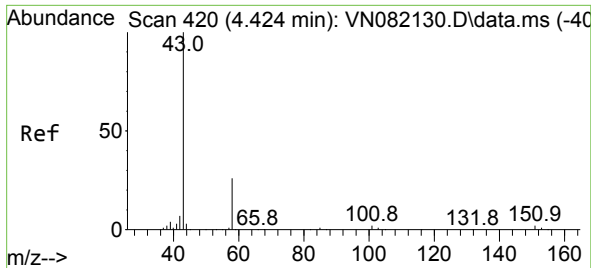
Tgt Ion: 56 Resp: 61

Ion Ratio Lower Upper

56 100

55 88.5 55.8 83.8#

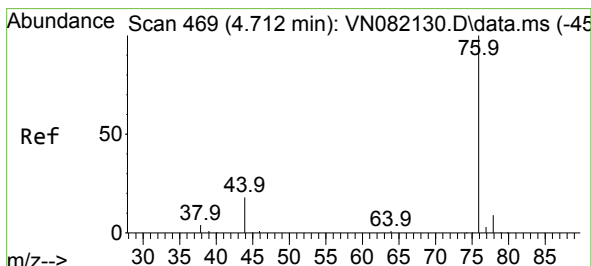
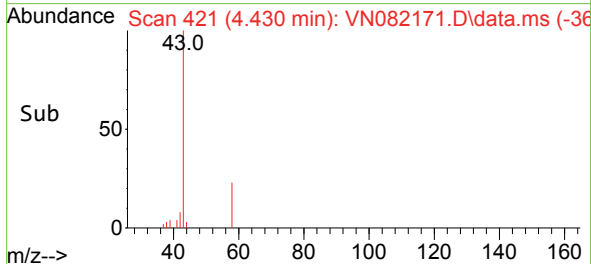
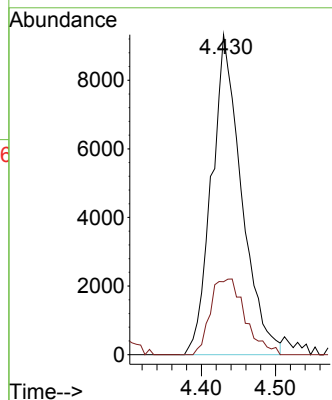
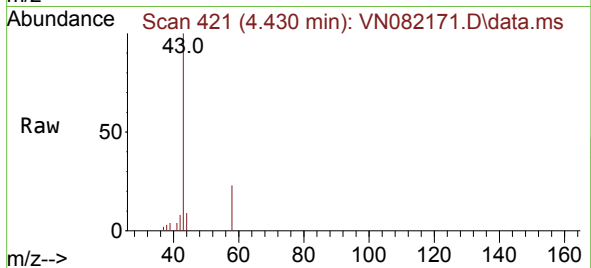




#16
Acetone
Concen: 25.078 ug/l
RT: 4.430 min Scan# 41
Delta R.T. 0.006 min
Lab File: VN082171.D
Acq: 16 May 2024 18:54

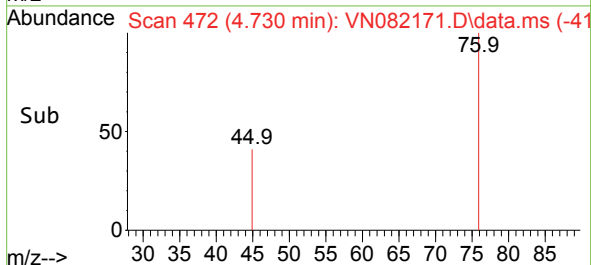
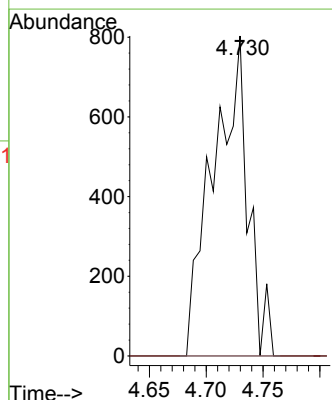
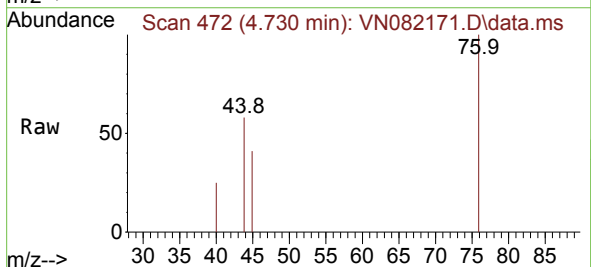
Instrument :
MSVOA_N
ClientSampleId :
PB160937ZHE#06

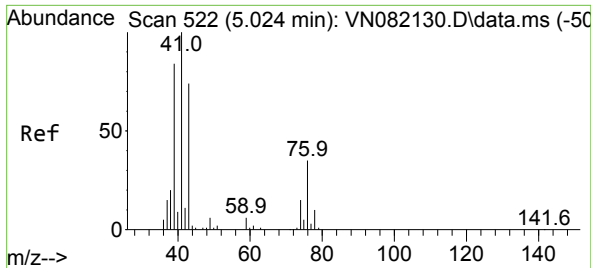
Tgt Ion: 43 Resp: 26171
Ion Ratio Lower Upper
43 100
58 22.8 25.2 37.8#



#17
Carbon Disulfide
Concen: 0.299 ug/l
RT: 4.730 min Scan# 472
Delta R.T. 0.018 min
Lab File: VN082171.D
Acq: 16 May 2024 18:54

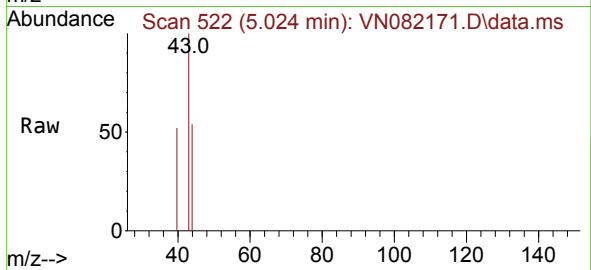
Tgt Ion: 76 Resp: 1699
Ion Ratio Lower Upper
76 100
78 0.0 7.5 11.3#



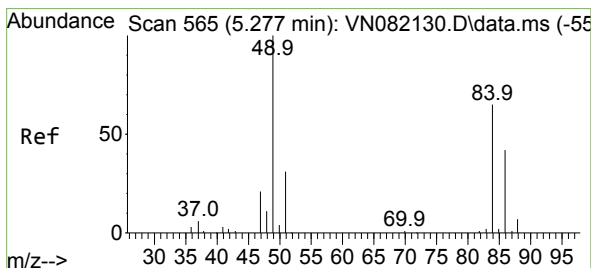
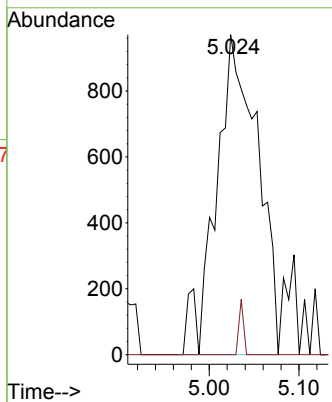
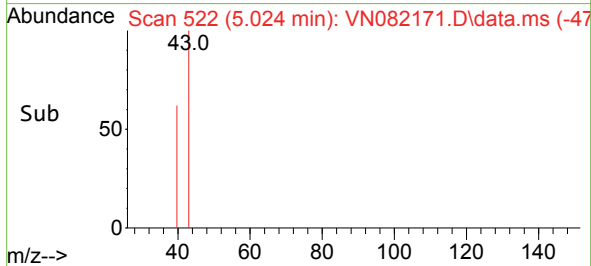


#18
Methyl Acetate
Concen: 1.207 ug/l
RT: 5.024 min Scan# 51
Delta R.T. -0.000 min
Lab File: VN082171.D
Acq: 16 May 2024 18:54

Instrument :
MSVOA_N
ClientSampleId :
PB160937ZHE#06

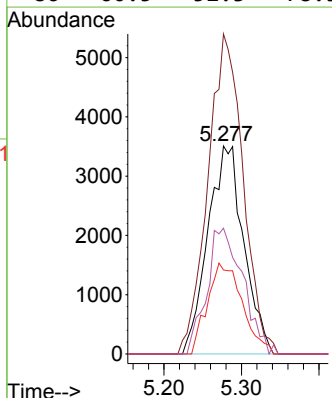
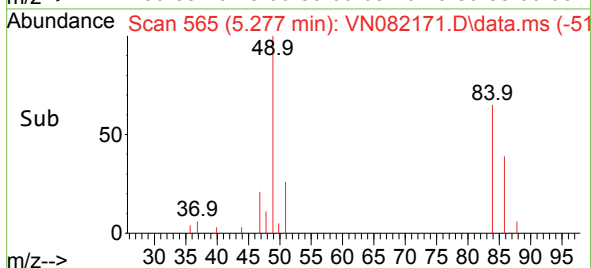
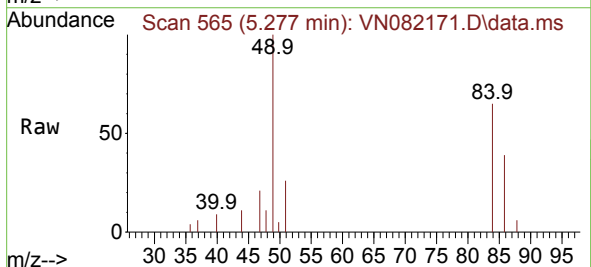


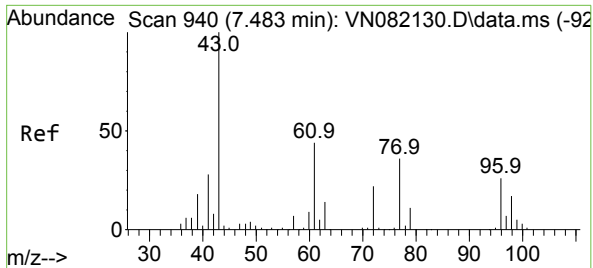
Tgt Ion: 43 Resp: 3136
Ion Ratio Lower Upper
43 100
74 1.9 22.2 33.2#



#20
Methylene Chloride
Concen: 5.368 ug/l
RT: 5.277 min Scan# 565
Delta R.T. -0.000 min
Lab File: VN082171.D
Acq: 16 May 2024 18:54

Tgt Ion: 84 Resp: 11303
Ion Ratio Lower Upper
84 100
49 153.8 84.9 127.3#
51 40.4 27.0 40.6
86 60.5 52.3 78.5

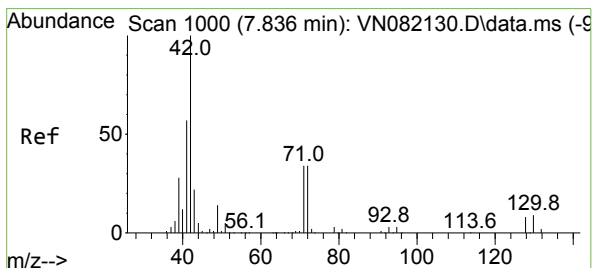
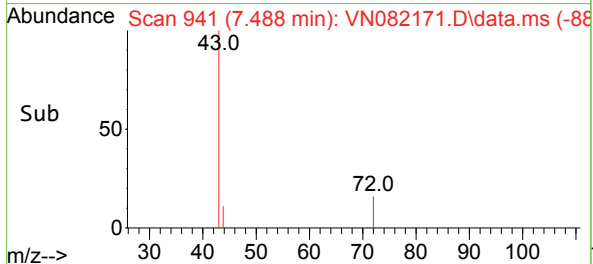
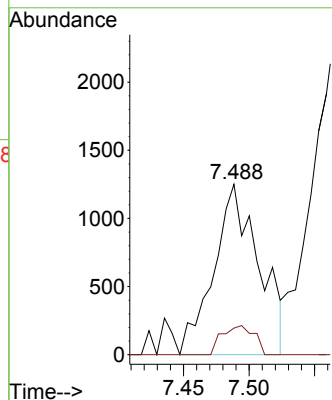
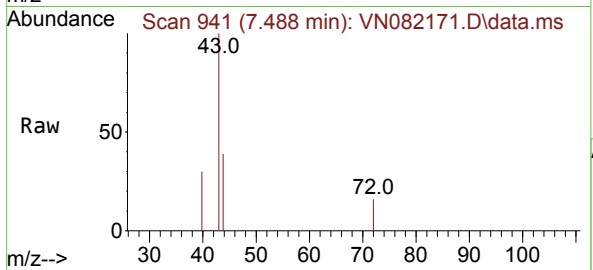




#25
2-Butanone
Concen: 1.894 ug/l
RT: 7.488 min Scan# 941
Delta R.T. 0.006 min
Lab File: VN082171.D
Acq: 16 May 2024 18:54

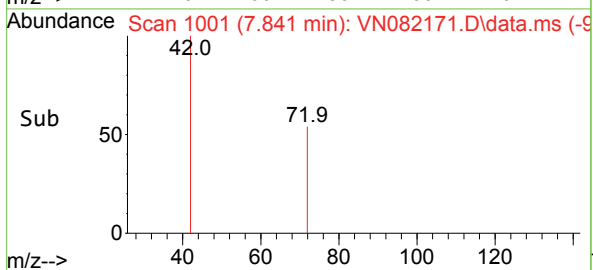
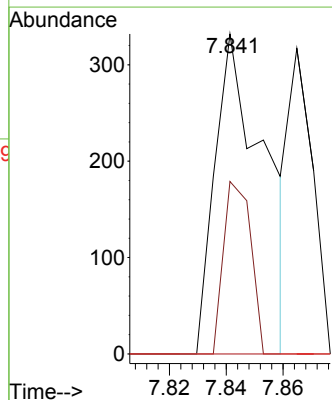
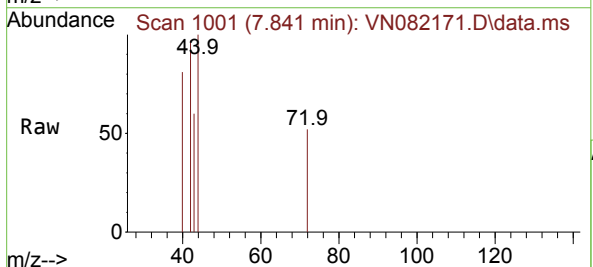
Instrument :
MSVOA_N
ClientSampleId :
PB160937ZHE#06

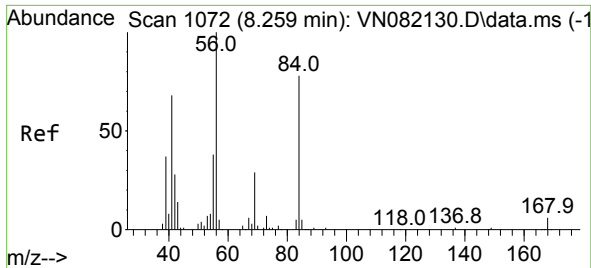
Tgt Ion: 43 Resp: 2997
Ion Ratio Lower Upper
43 100
72 15.6 25.3 37.9#



#29
Tetrahydrofuran
Concen: 0.394 ug/l
RT: 7.841 min Scan# 1001
Delta R.T. 0.005 min
Lab File: VN082171.D
Acq: 16 May 2024 18:54

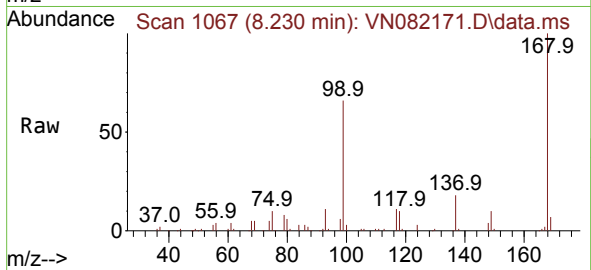
Tgt Ion: 42 Resp: 400
Ion Ratio Lower Upper
42 100
72 29.8 39.3 58.9#
71 0.0 37.4 56.0#



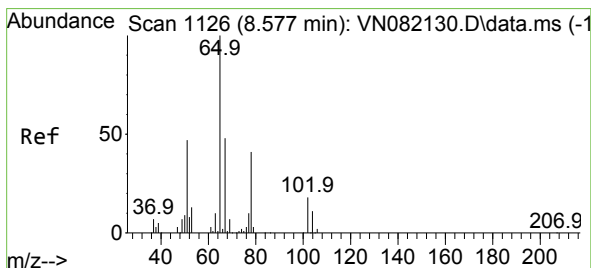
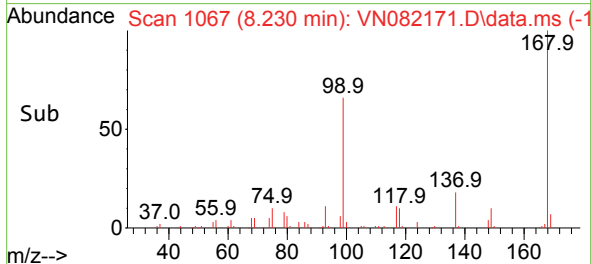
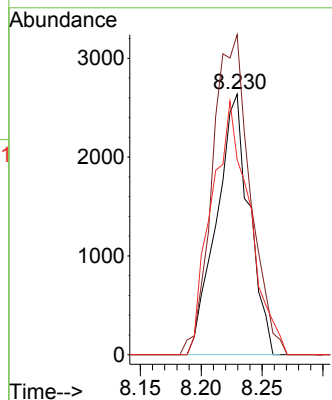


#31
Cyclohexane
Concen: 1.216 ug/l
RT: 8.230 min Scan# 1067
Delta R.T. -0.030 min
Lab File: VN082171.D
Acq: 16 May 2024 18:54

Instrument :
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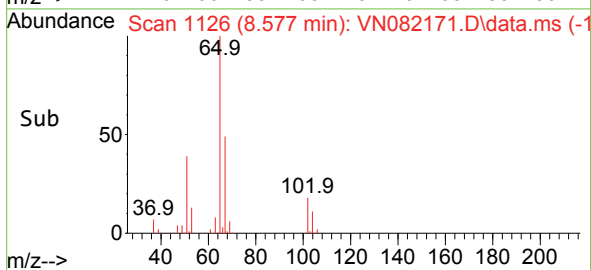
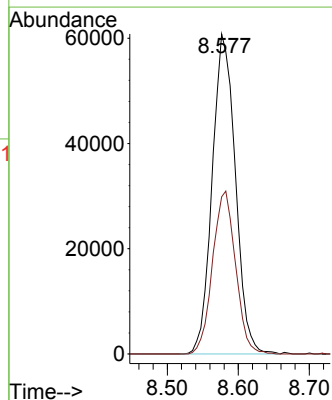
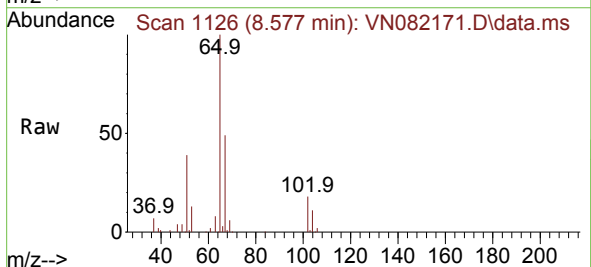


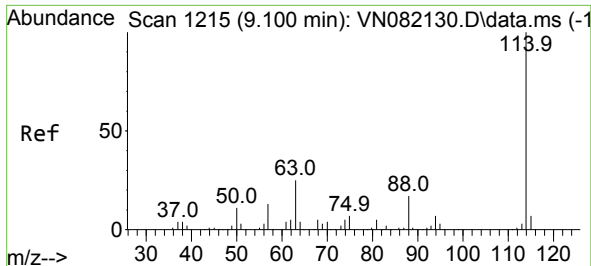
Tgt Ion: 56 Resp: 4941
Ion Ratio Lower Upper
56 100
69 122.8 24.4 36.6#
84 74.9 77.0 115.4#



#33
1,2-Dichloroethane-d4
Concen: 54.105 ug/l
RT: 8.577 min Scan# 1126
Delta R.T. -0.000 min
Lab File: VN082171.D
Acq: 16 May 2024 18:54

Tgt Ion: 65 Resp: 137642
Ion Ratio Lower Upper
65 100
67 50.5 0.0 103.0





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.100 min Scan# 11

Delta R.T. -0.000 min

Lab File: VN082171.D

Acq: 16 May 2024 18:54

Instrument :

MSVOA_N

ClientSampleId :

PB160937ZHE#06

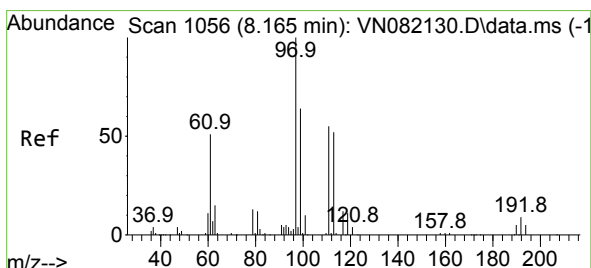
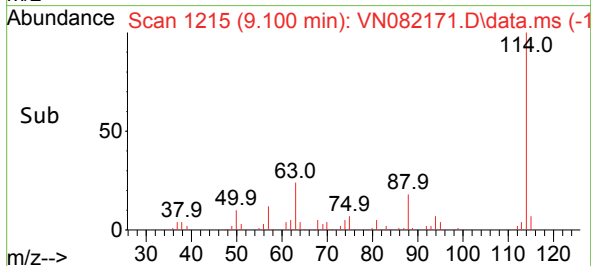
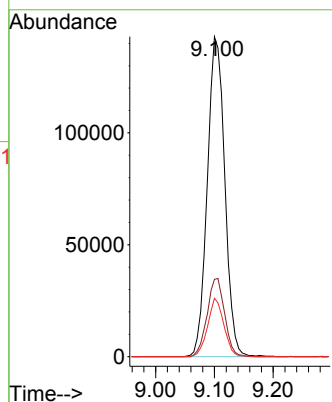
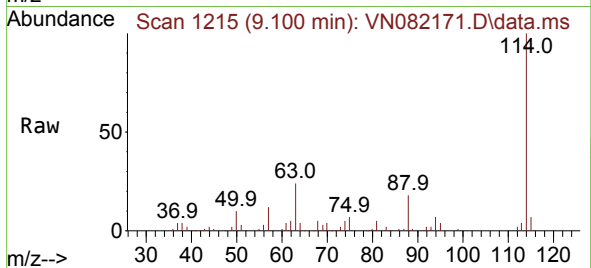
Tgt Ion:114 Resp: 295193

Ion Ratio Lower Upper

114 100

63 24.2 0.0 41.0

88 18.3 0.0 31.4



#35

Dibromofluoromethane

Concen: 52.640 ug/l

RT: 8.165 min Scan# 1056

Delta R.T. -0.000 min

Lab File: VN082171.D

Acq: 16 May 2024 18:54

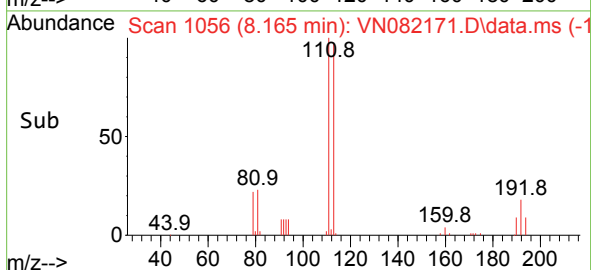
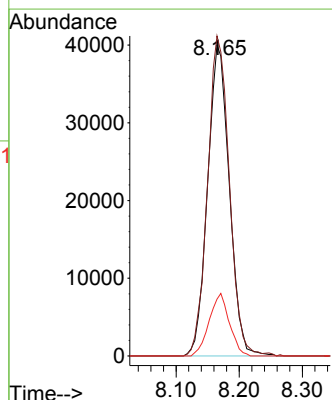
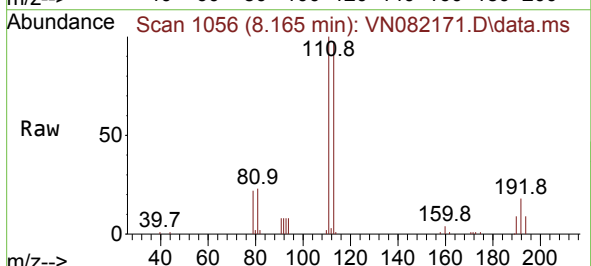
Tgt Ion:113 Resp: 95588

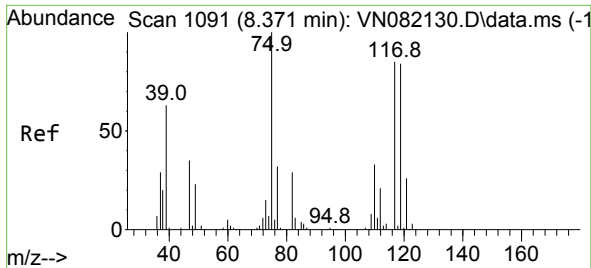
Ion Ratio Lower Upper

113 100

111 103.4 83.4 125.2

192 18.7 14.0 21.0

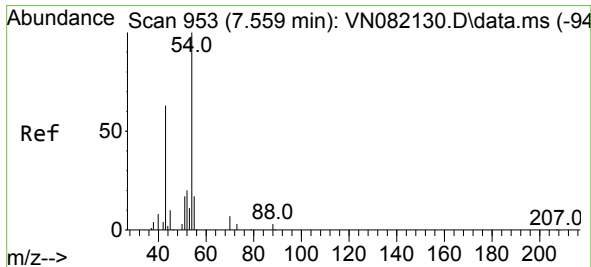
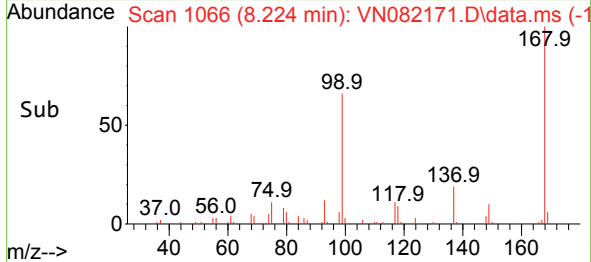
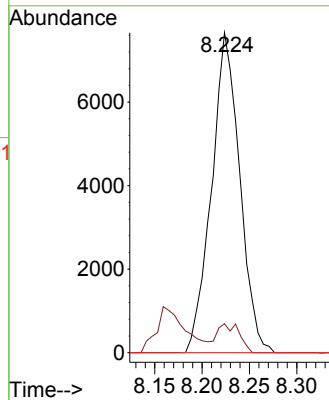
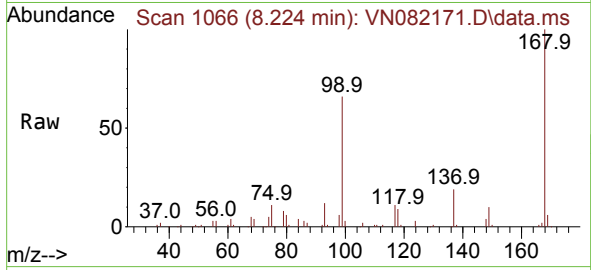




#36
1,1-Dichloropropene
Concen: 5.203 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. -0.147 min
Lab File: VN082171.D
Acq: 16 May 2024 18:54

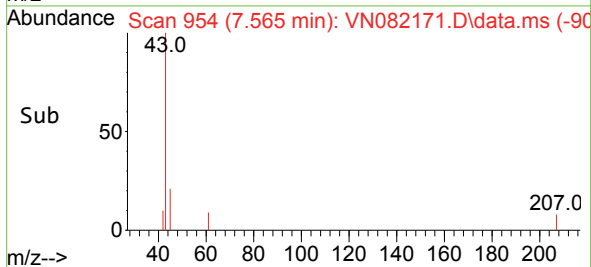
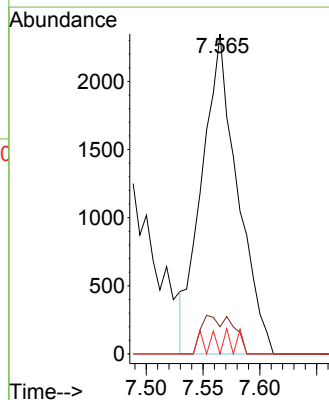
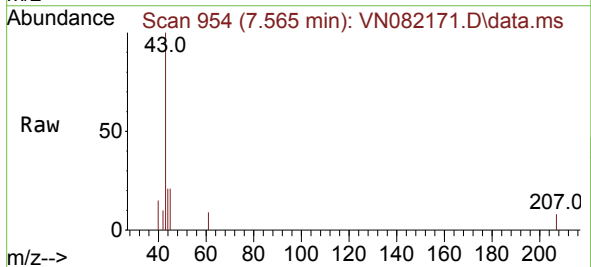
Instrument :
MSVOA_N
ClientSampleId :
PB160937ZHE#06

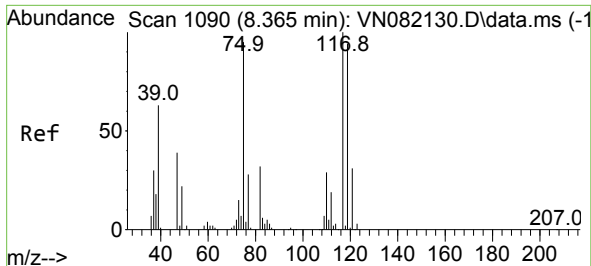
Tgt Ion: 75 Resp: 15847
Ion Ratio Lower Upper
75 100
110 7.4 17.8 53.5#
77 0.0 25.0 37.4#



#37
Ethyl Acetate
Concen: 1.499 ug/l
RT: 7.565 min Scan# 954
Delta R.T. 0.006 min
Lab File: VN082171.D
Acq: 16 May 2024 18:54

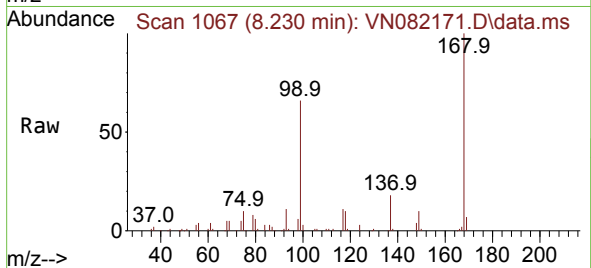
Tgt Ion: 43 Resp: 5110
Ion Ratio Lower Upper
43 100
61 0.0 11.3 16.9#
70 2.5 8.7 13.1#



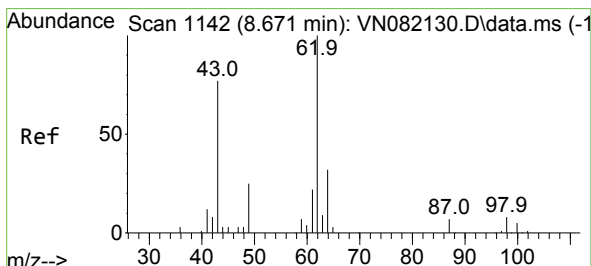
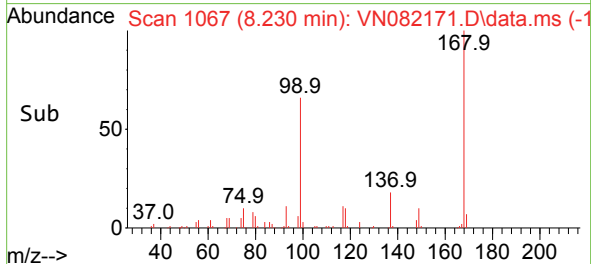
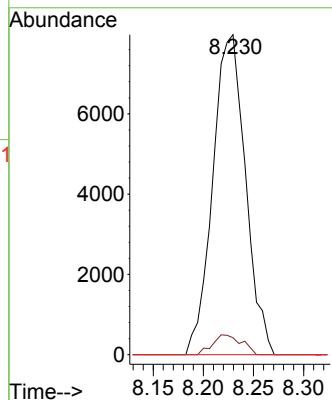


#38
Carbon Tetrachloride
Concen: 5.865 ug/l
RT: 8.230 min Scan# 1107
Delta R.T. -0.135 min
Lab File: VN082171.D
Acq: 16 May 2024 18:54

Instrument :
MSVOA_N
ClientSampleId :
PB160937ZHE#06

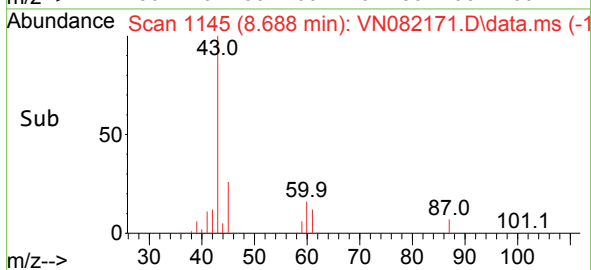
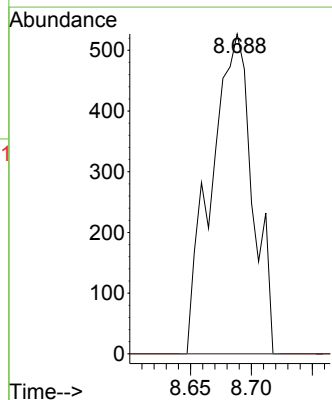
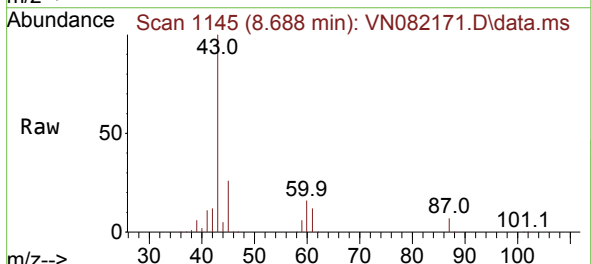


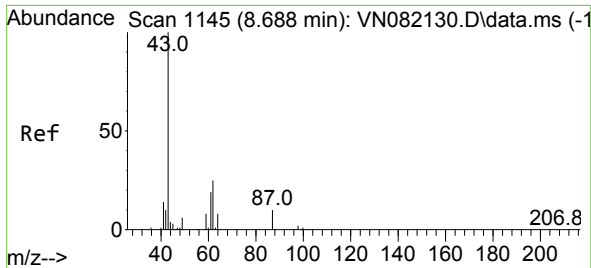
Tgt Ion:117 Resp: 18108
Ion Ratio Lower Upper
117 100
119 5.3 76.5 114.7#
121 0.0 23.9 35.9#



#42
1,2-Dichloroethane
Concen: 0.358 ug/l
RT: 8.688 min Scan# 1145
Delta R.T. 0.018 min
Lab File: VN082171.D
Acq: 16 May 2024 18:54

Tgt Ion: 62 Resp: 1252
Ion Ratio Lower Upper
62 100
98 0.0 0.0 19.6

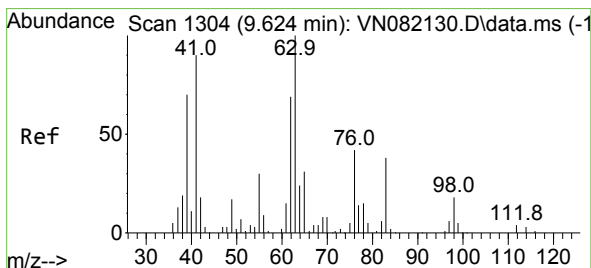
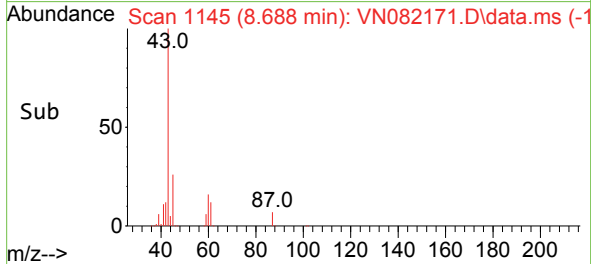
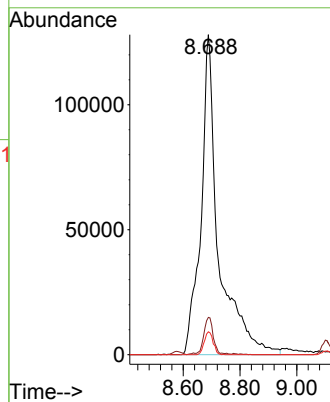
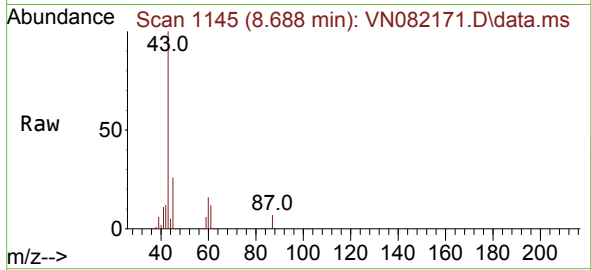




#43
Isopropyl Acetate
Concen: 91.210 ug/l
RT: 8.688 min Scan# 1145
Delta R.T. -0.000 min
Lab File: VN082171.D
Acq: 16 May 2024 18:54

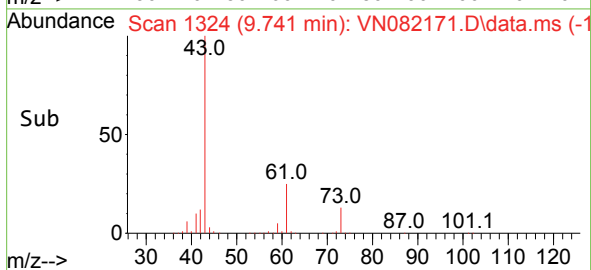
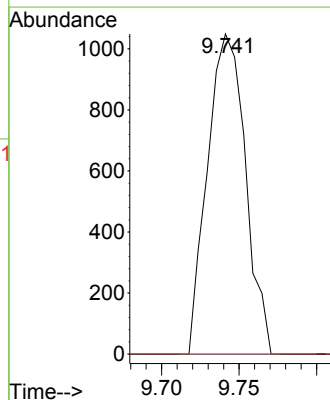
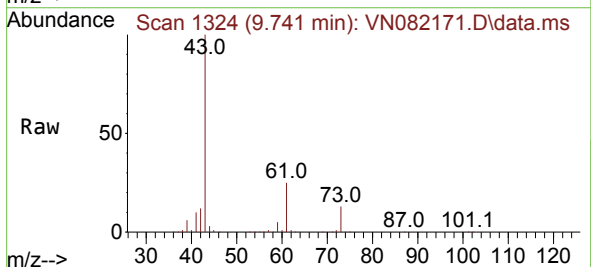
Instrument :
MSVOA_N
ClientSampleId :
PB160937ZHE#06

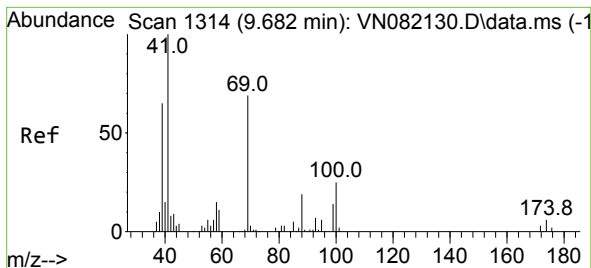
Tgt Ion: 43 Resp: 550846
Ion Ratio Lower Upper
43 100
61 6.4 22.8 34.2#
87 3.6 12.0 18.0#



#45
1,2-Dichloropropane
Concen: 0.764 ug/l
RT: 9.741 min Scan# 1324
Delta R.T. 0.118 min
Lab File: VN082171.D
Acq: 16 May 2024 18:54

Tgt Ion: 63 Resp: 1790
Ion Ratio Lower Upper
63 100
65 0.0 24.1 36.1#





#48

Methyl methacrylate

Concen: 1.825 ug/l

RT: 9.671 min Scan# 1

Delta R.T. -0.012 min

Lab File: VN082171.D

Acq: 16 May 2024 18:54

Instrument :

MSVOA_N

ClientSampleId :

PB160937ZHE#06

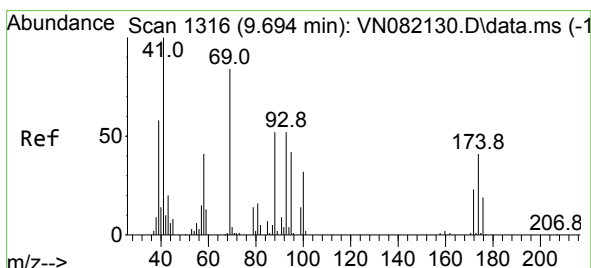
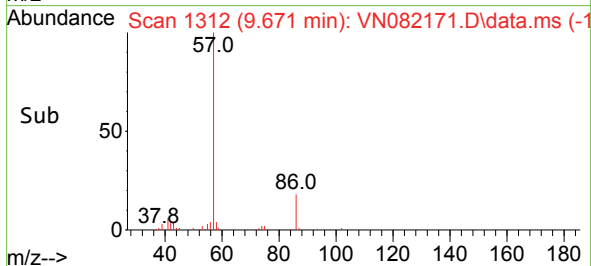
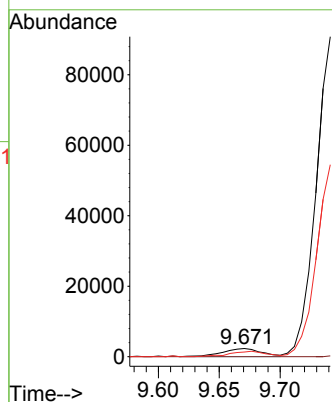
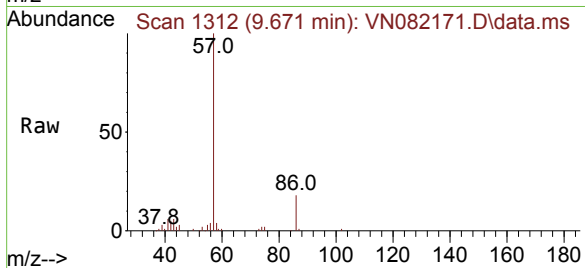
Tgt Ion: 41 Resp: 5252

Ion Ratio Lower Upper

41 100

69 0.0 77.9 116.9#

39 61.4 50.9 76.3



#49

1,4-Dioxane

Concen: 3.521 ug/l

RT: 9.753 min Scan# 1326

Delta R.T. 0.059 min

Lab File: VN082171.D

Acq: 16 May 2024 18:54

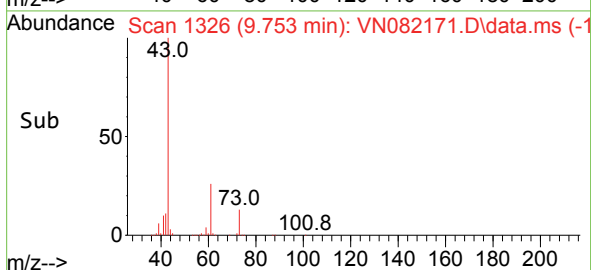
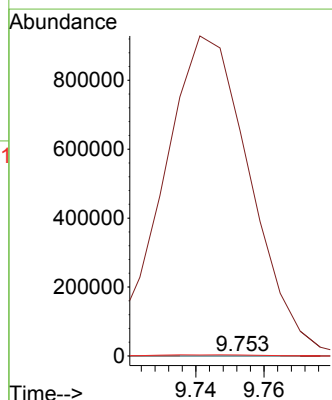
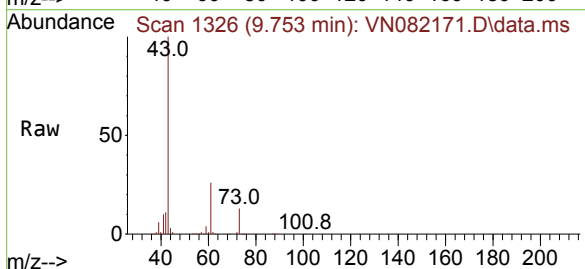
Tgt Ion: 88 Resp: 142

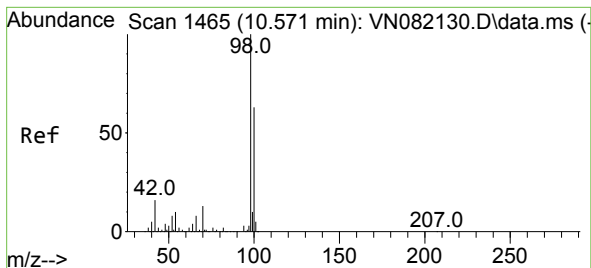
Ion Ratio Lower Upper

88 100

43 1177859.2 19.0 28.6#

58 4952.1 50.6 76.0#

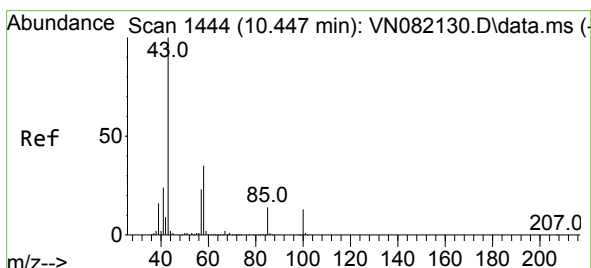
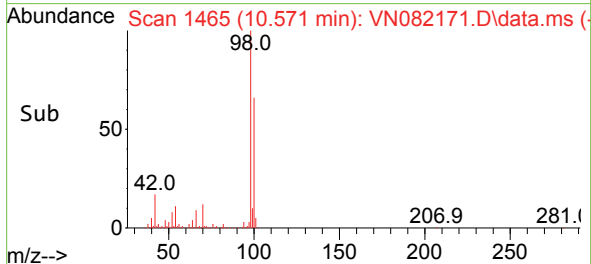
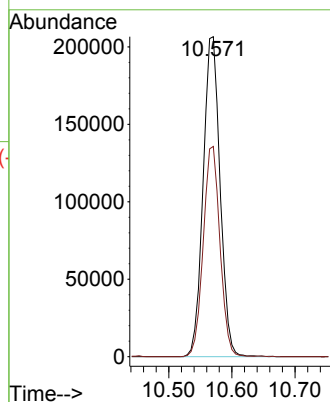
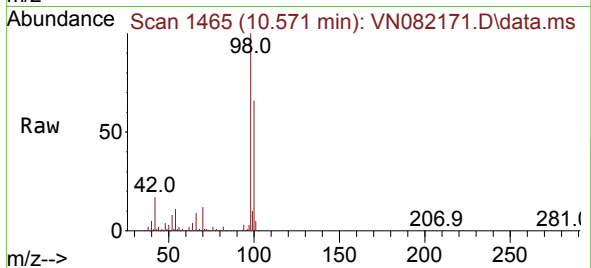




#50
Toluene-d8
Concen: 55.321 ug/l
RT: 10.571 min Scan# 1465
Delta R.T. -0.000 min
Lab File: VN082171.D
Acq: 16 May 2024 18:54

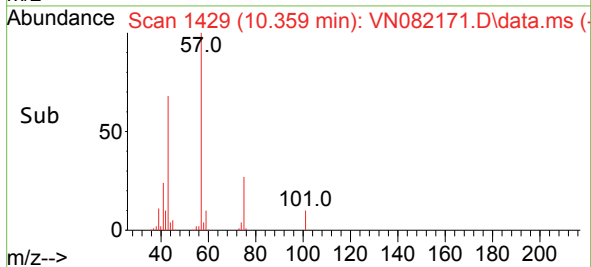
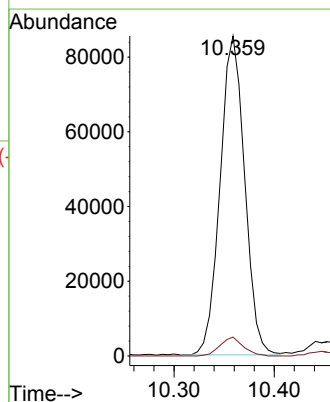
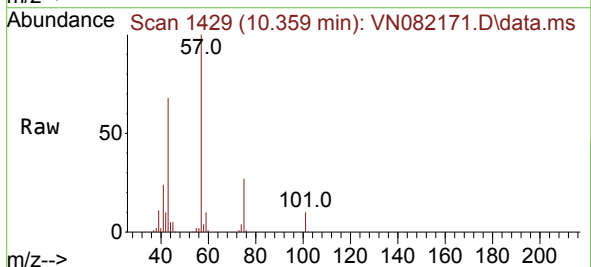
Instrument :
MSVOA_N
ClientSampleId :
PB160937ZHE#06

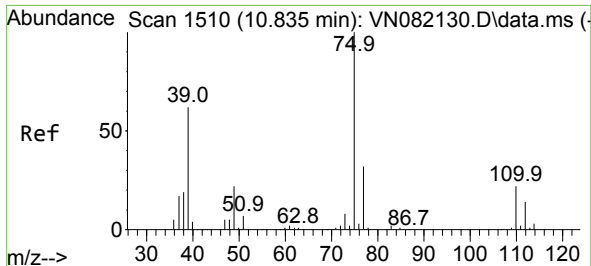
Tgt Ion: 98 Resp: 385142
Ion Ratio Lower Upper
98 100
100 64.8 51.8 77.6



#51
4-Methyl-2-Pentanone
Concen: 42.265 ug/l
RT: 10.359 min Scan# 1429
Delta R.T. -0.088 min
Lab File: VN082171.D
Acq: 16 May 2024 18:54

Tgt Ion: 43 Resp: 145025
Ion Ratio Lower Upper
43 100
58 5.5 33.2 49.8#

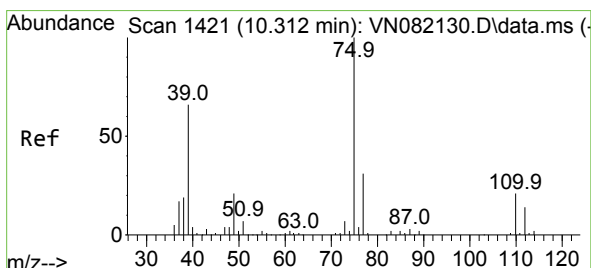
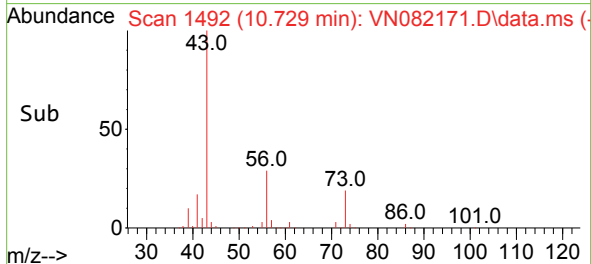
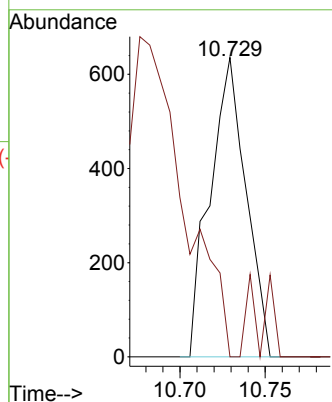
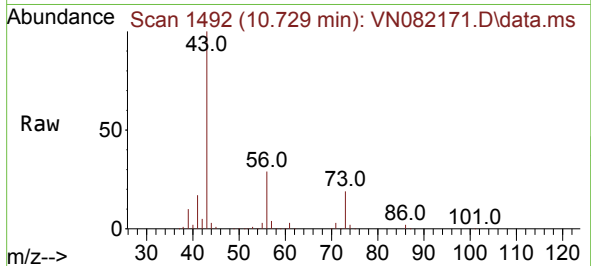




#53
 t-1,3-Dichloropropene
 Concen: 0.278 ug/l
 RT: 10.729 min Scan# 1492
 Delta R.T. -0.106 min
 Lab File: VN082171.D
 Acq: 16 May 2024 18:54

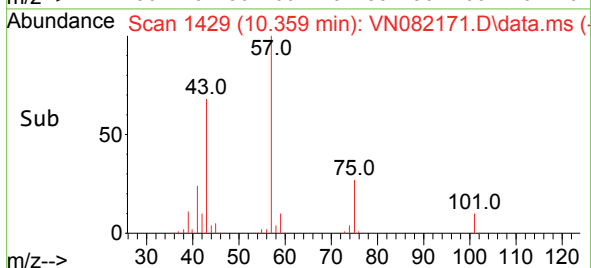
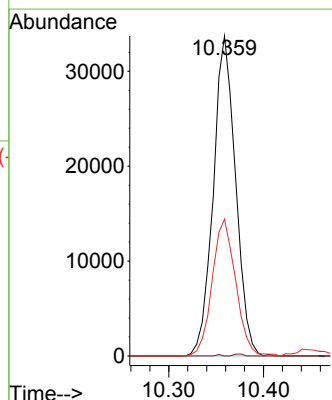
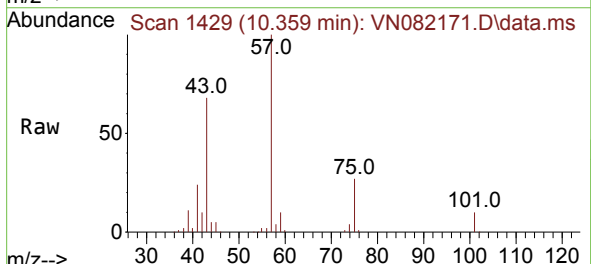
Instrument :
 MSVOA_N
 ClientSampleId :
 PB160937ZHE#06

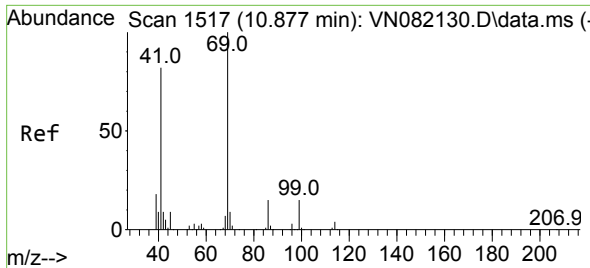
Tgt Ion: 75 Resp: 935
 Ion Ratio Lower Upper
 75 100
 77 0.0 25.4 38.0#



#54
 cis-1,3-Dichloropropene
 Concen: 15.545 ug/l
 RT: 10.359 min Scan# 1429
 Delta R.T. 0.047 min
 Lab File: VN082171.D
 Acq: 16 May 2024 18:54

Tgt Ion: 75 Resp: 55268
 Ion Ratio Lower Upper
 75 100
 77 0.0 25.0 37.4#
 39 42.8 34.8 52.2

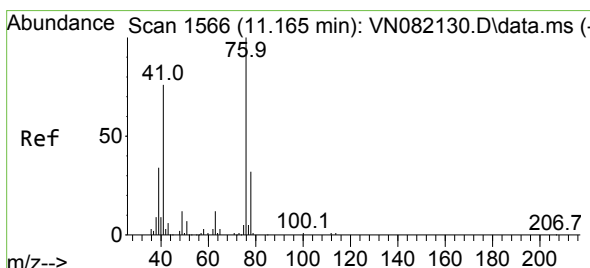
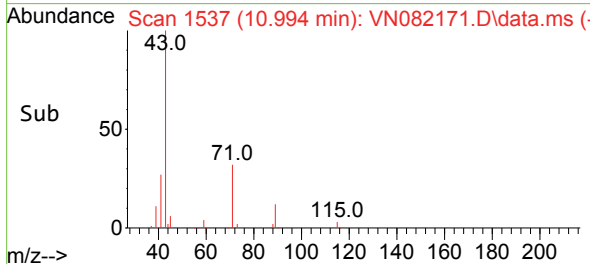
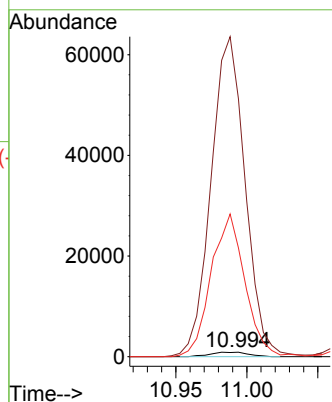
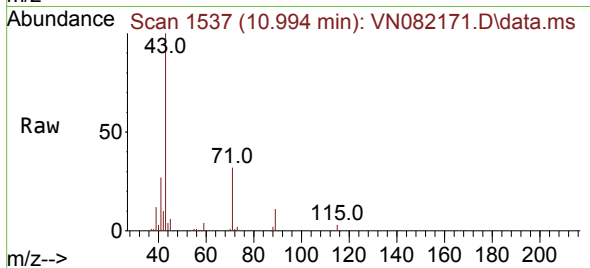




#56
Ethyl methacrylate
Concen: 0.498 ug/l
RT: 10.994 min Scan# 1537
Delta R.T. 0.118 min
Lab File: VN082171.D
Acq: 16 May 2024 18:54

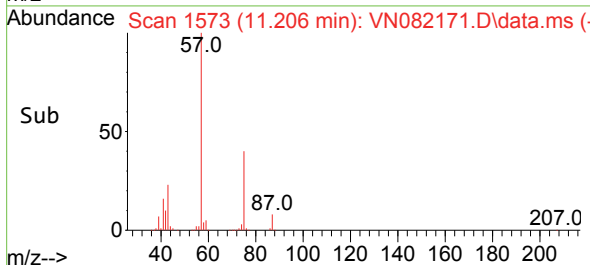
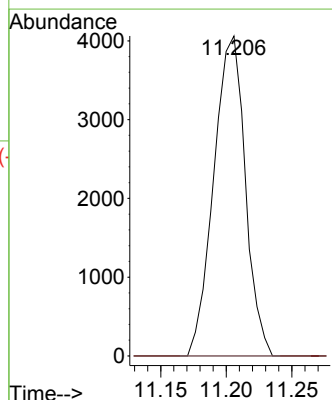
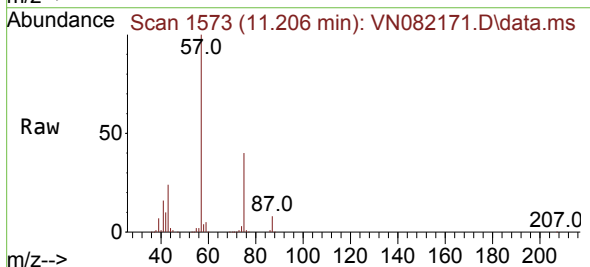
Instrument :
MSVOA_N
ClientSampleId :
PB160937ZHE#06

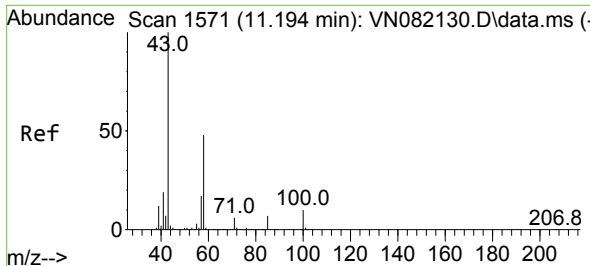
Tgt Ion: 69 Resp: 1675
Ion Ratio Lower Upper
69 100
41 6349.0 46.6 70.0#
39 2804.7 26.5 39.7#



#57
1,3-Dichloropropane
Concen: 1.835 ug/l
RT: 11.206 min Scan# 1573
Delta R.T. 0.041 min
Lab File: VN082171.D
Acq: 16 May 2024 18:54

Tgt Ion: 76 Resp: 6795
Ion Ratio Lower Upper
76 100
78 0.0 25.8 38.6#

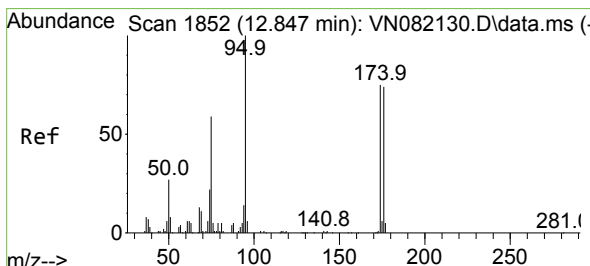
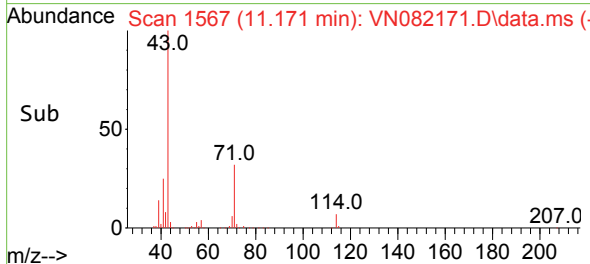
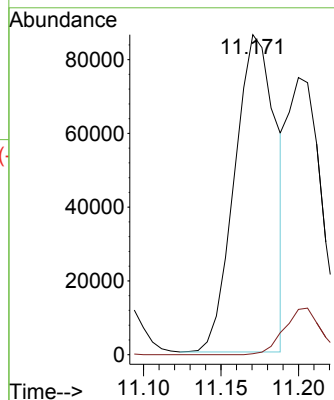
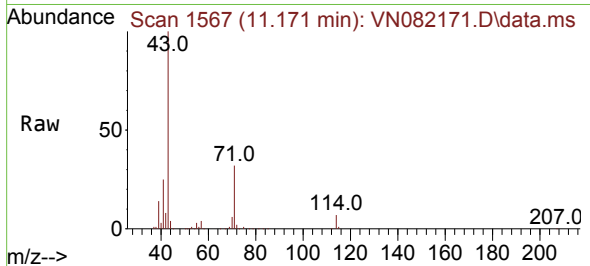




#59
2-Hexanone
Concen: 63.590 ug/l
RT: 11.171 min Scan# 11
Delta R.T. -0.024 min
Lab File: VN082171.D
Acq: 16 May 2024 18:54

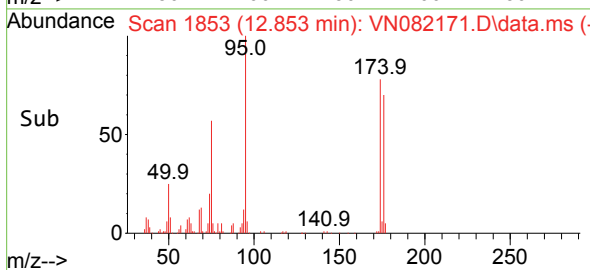
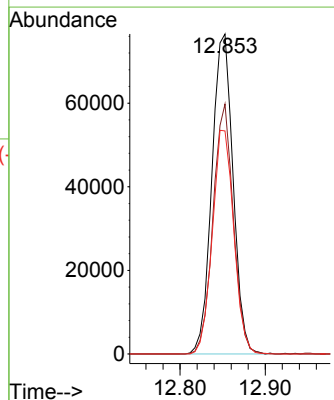
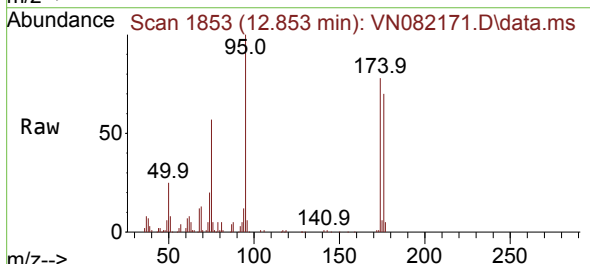
Instrument :
MSVOA_N
ClientSampleId :
PB160937ZHE#06

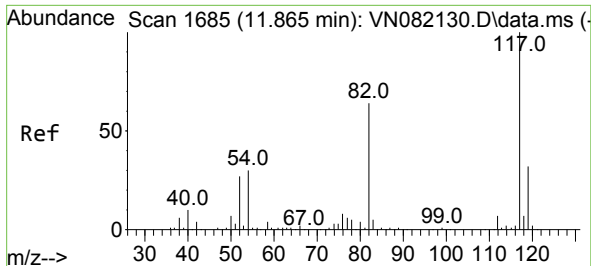
Tgt Ion: 43 Resp: 159768
Ion Ratio Lower Upper
43 100
58 0.0 28.3 84.9#



#62
4-Bromofluorobenzene
Concen: 53.120 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. 0.006 min
Lab File: VN082171.D
Acq: 16 May 2024 18:54

Tgt Ion: 95 Resp: 131998
Ion Ratio Lower Upper
95 100
174 75.2 0.0 160.6
176 70.7 0.0 152.8

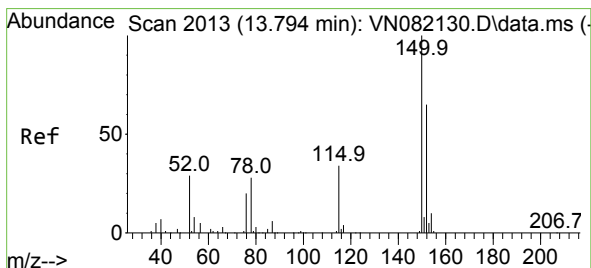
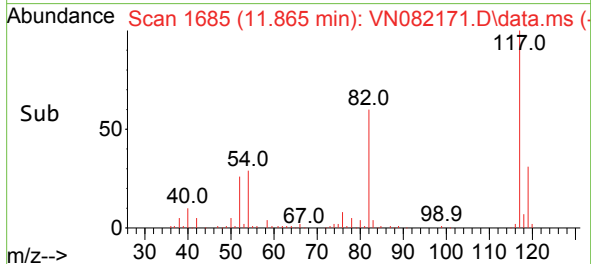
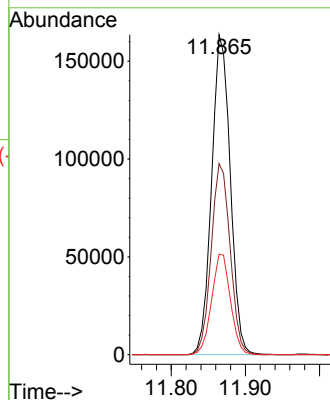
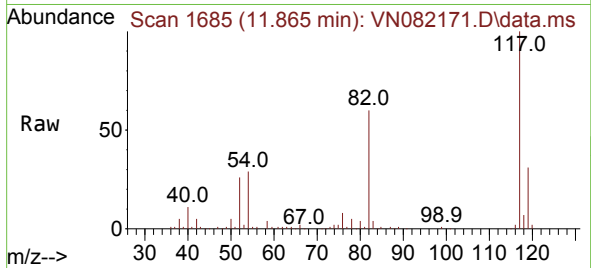




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 117
Delta R.T. -0.000 min
Lab File: VN082171.D
Acq: 16 May 2024 18:54

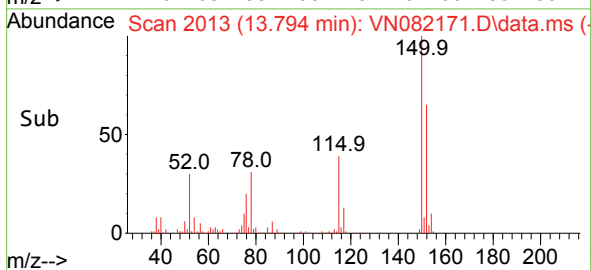
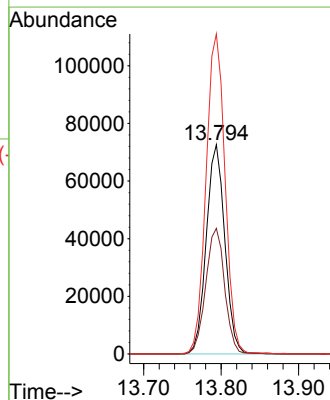
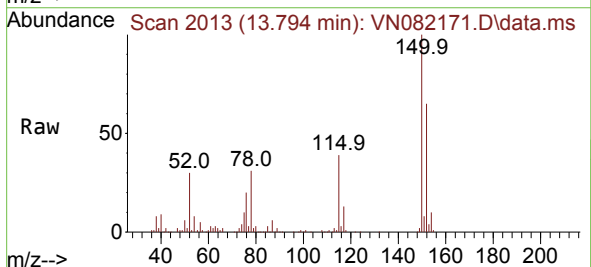
Instrument :
MSVOA_N
ClientSampleId :
PB160937ZHE#06

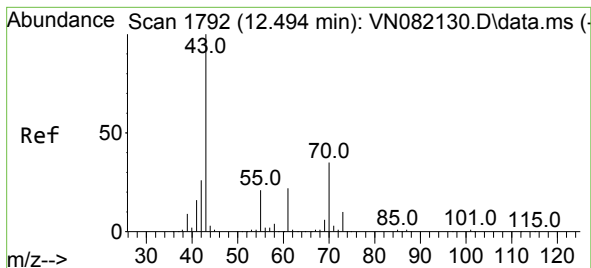
Tgt Ion:117 Resp: 286286
Ion Ratio Lower Upper
117 100
82 59.7 44.6 66.8
119 31.4 25.9 38.9



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.794 min Scan# 2013
Delta R.T. -0.000 min
Lab File: VN082171.D
Acq: 16 May 2024 18:54

Tgt Ion:152 Resp: 121058
Ion Ratio Lower Upper
152 100
115 61.1 30.4 91.3
150 156.1 0.0 353.2





#74

N-amy1 acetate

Concen: 0.230 ug/l

RT: 12.488 min Scan# 1

Delta R.T. -0.006 min

Lab File: VN082171.D

Acq: 16 May 2024 18:54

Instrument :

MSVOA_N

ClientSampleId :

PB160937ZHE#06

Tgt Ion: 43 Resp: 1216

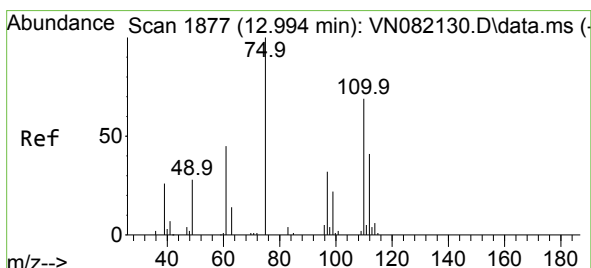
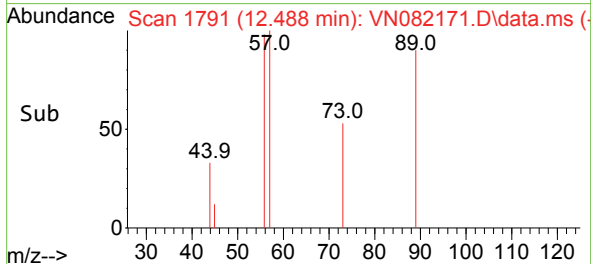
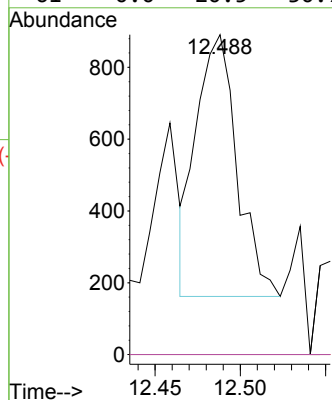
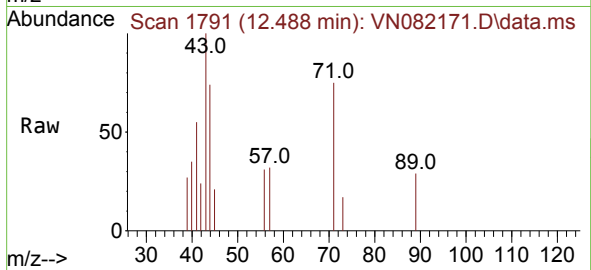
Ion Ratio Lower Upper

43 100

70 0.0 39.0 58.4#

55 0.0 21.3 31.9#

61 0.0 20.5 30.7#



#76

1,2,3-Trichloropropane

Concen: 30.756 ug/l

RT: 12.847 min Scan# 1852

Delta R.T. -0.147 min

Lab File: VN082171.D

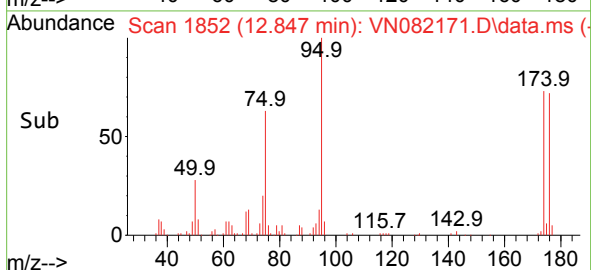
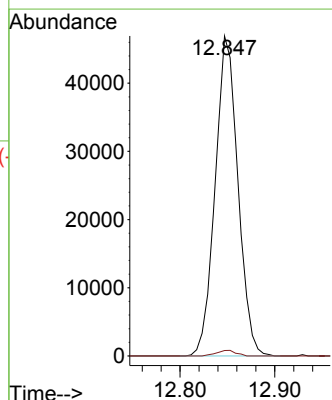
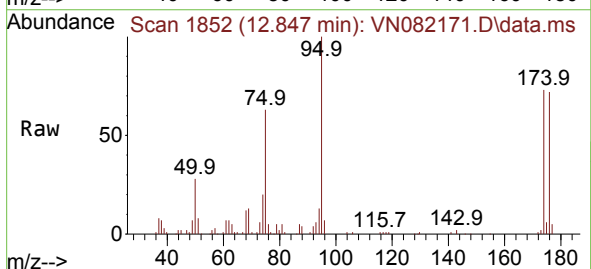
Acq: 16 May 2024 18:54

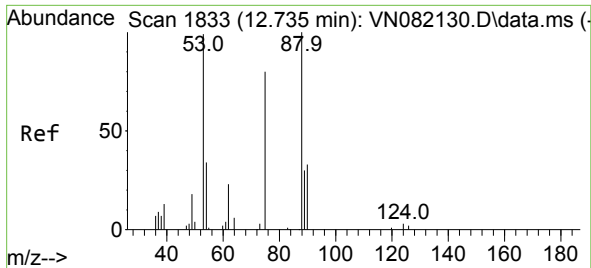
Tgt Ion: 75 Resp: 78365

Ion Ratio Lower Upper

75 100

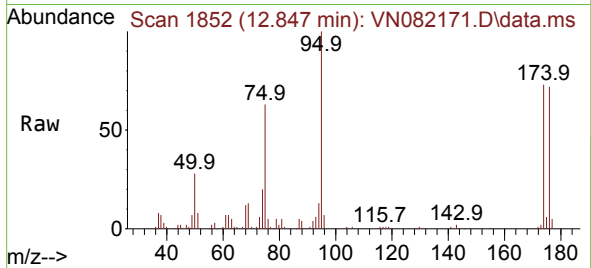
77 1.5 90.5 271.3#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 71.936 ug/l
 RT: 12.847 min Scan# 11
 Delta R.T. 0.112 min
 Lab File: VN082171.D
 Acq: 16 May 2024 18:54

Instrument :
 MSVOA_N
 ClientSampleId :
 PB160937ZHE#06



Tgt Ion: 75 Resp: 78365
 Ion Ratio Lower Upper
 75 100
 53 0.0 72.9 109.3#
 89 0.0 39.1 58.7#

