

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN053124\
 Data File : VN082403.D
 Acq On : 31 May 2024 13:09
 Operator : JC\MD
 Sample : PB161190ZHE#01
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 PB161190ZHE#01

Quant Time: May 31 22:56:45 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N051524W.M
 Quant Title : SW846 8260
 QLast Update : Thu May 16 05:21:06 2024
 Response via : Initial Calibration

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

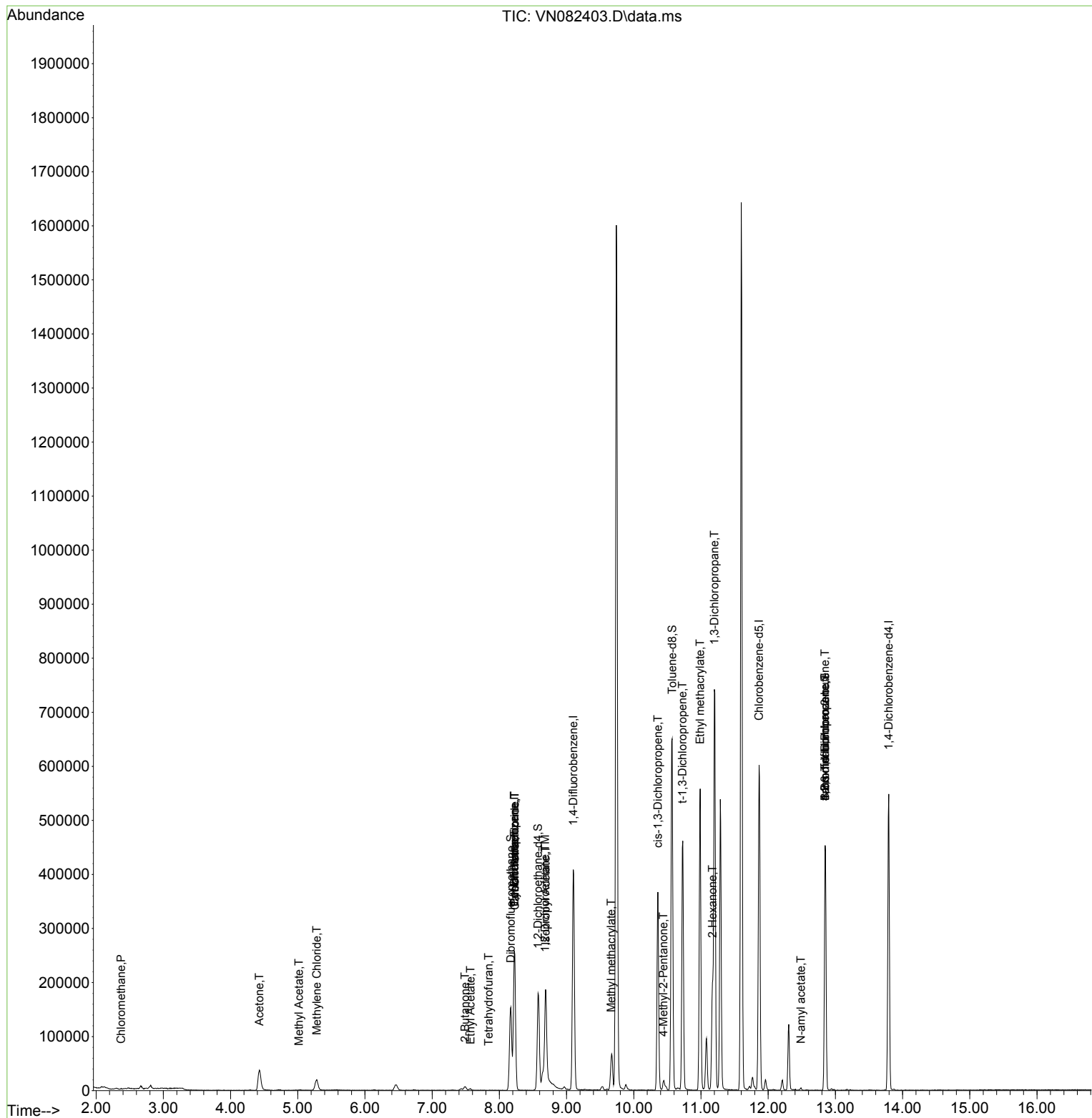
Internal Standards						
1) Pentafluorobenzene	8.224	168	179912	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	325940	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	319254	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	132369	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.577	65	150998	53.152	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 106.300%			
35) Dibromofluoromethane	8.171	113	108022	53.875	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 107.760%			
50) Toluene-d8	10.571	98	419445	54.564	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 109.120%			
62) 4-Bromofluorobenzene	12.847	95	144520	52.673	ug/l	0.00
Spiked Amount 50.000	Range 64 - 133		Recovery = 105.340%			
Target Compounds					Qvalue	
3) Chloromethane	2.371	50	601	0.204	ug/l #	43
16) Acetone	4.430	43	75206	64.534	ug/l	91
18) Methyl Acetate	5.018	43	848	0.292	ug/l #	47
20) Methylene Chloride	5.283	84	13516	5.748	ug/l #	83
25) 2-Butanone	7.488	43	12096	6.846	ug/l #	86
29) Tetrahydrofuran	7.841	42	232	0.205	ug/l #	29
31) Cyclohexane	8.224	56	5429	1.197	ug/l #	64
36) 1,1-Dichloropropene	8.224	75	17122	5.092	ug/l #	46
37) Ethyl Acetate	7.571	43	4828	1.283	ug/l #	83
38) Carbon Tetrachloride	8.230	117	19865	5.827	ug/l #	15
42) 1,2-Dichloroethane	8.682	62	1147	0.297	ug/l #	73
43) Isopropyl Acetate	8.688	43	277043	41.546	ug/l #	73
48) Methyl methacrylate	9.665	41	4888	1.538	ug/l #	39
51) 4-Methyl-2-Pentanone	10.441	43	17521	4.624	ug/l #	73
53) t-1,3-Dichloropropene	10.724	75	919	0.248	ug/l	99
54) cis-1,3-Dichloropropene	10.359	75	56908	14.496	ug/l #	76
56) Ethyl methacrylate	10.988	69	1601	0.431	ug/l #	1
57) 1,3-Dichloropropane	11.200	76	6791	1.661	ug/l #	42
59) 2-Hexanone	11.171	43	165943	59.818	ug/l #	23
71) Bromoform	12.847	173	634	1.039	ug/l #	28
74) N-amyl acetate	12.488	43	2527	0.437	ug/l #	40
76) 1,2,3-Trichloropropane	12.847	75	85281	30.610	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.847	75	85281	71.596	ug/l #	12

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

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Sample : PB161190ZHE#01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 9 Sample Multiplier: 1

Instrument :
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ClientSampleId :
PB161190ZHE#01

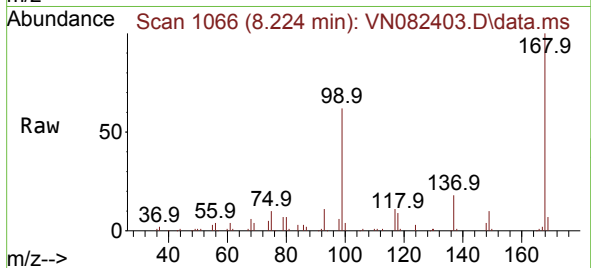
Quant Time: May 31 22:56:45 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N051524W.M
Quant Title : SW846 8260
QLast Update : Thu May 16 05:21:06 2024
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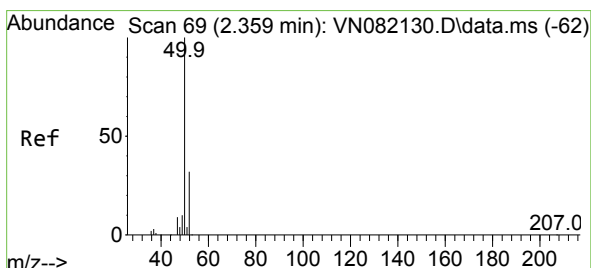
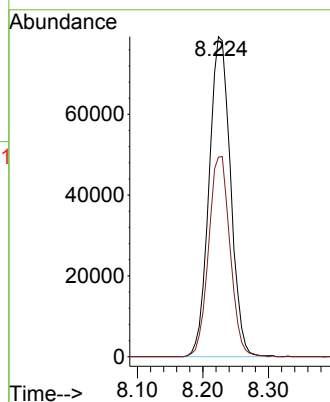
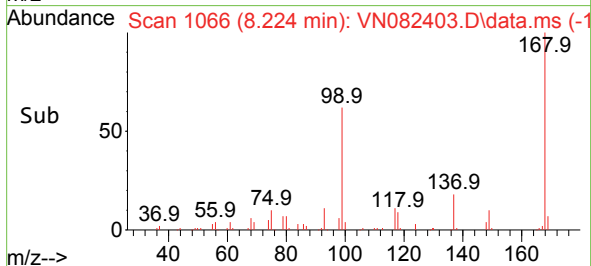


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. -0.000 min
Lab File: VN082403.D
Acq: 31 May 2024 13:09

Instrument :
MSVOA_N
ClientSampleId :
PB161190ZHE#01

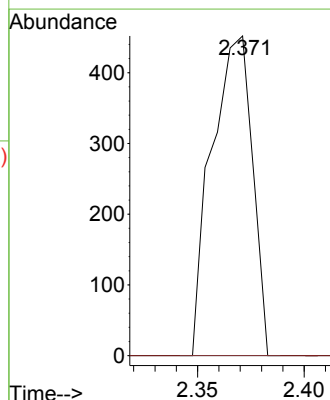
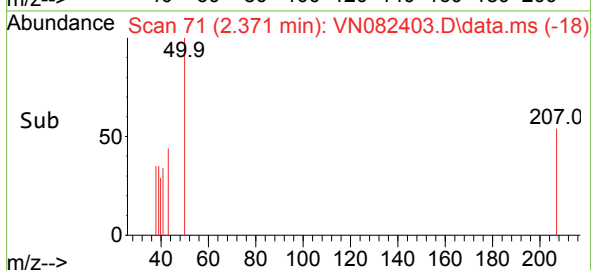
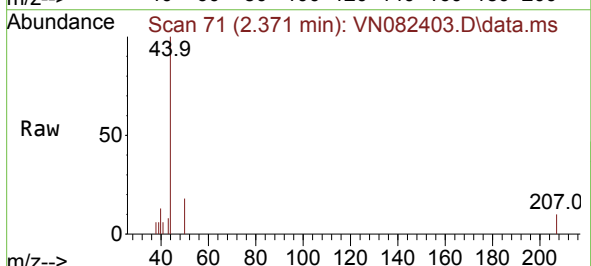


Tgt Ion:168 Resp: 179912
Ion Ratio Lower Upper
168 100
99 62.3 48.2 72.4



#3
Chloromethane
Concen: 0.204 ug/l
RT: 2.371 min Scan# 71
Delta R.T. 0.012 min
Lab File: VN082403.D
Acq: 31 May 2024 13:09

Tgt Ion: 50 Resp: 601
Ion Ratio Lower Upper
50 100
52 0.0 25.5 38.3#

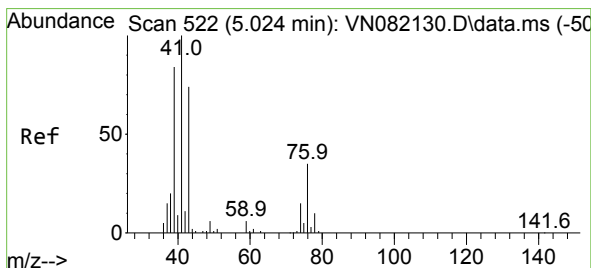
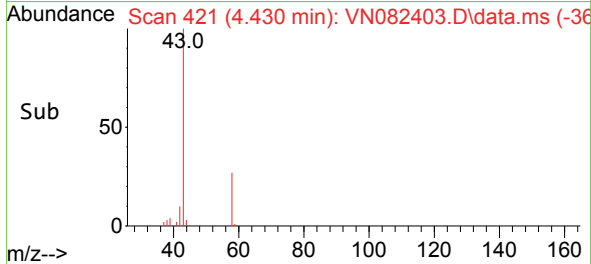
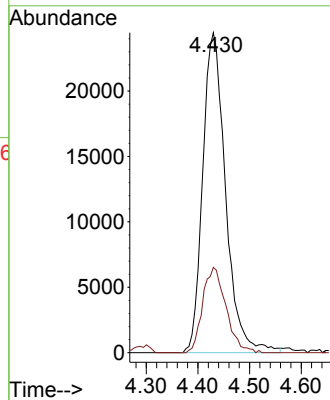
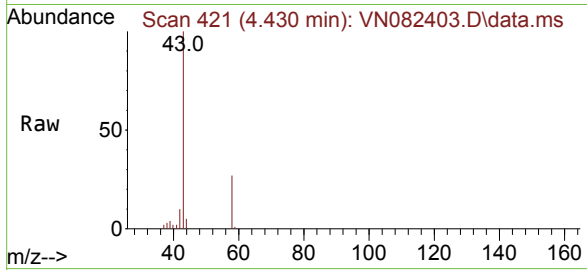




#16
Acetone
Concen: 64.534 ug/l
RT: 4.430 min Scan# 41
Delta R.T. 0.006 min
Lab File: VN082403.D
Acq: 31 May 2024 13:09

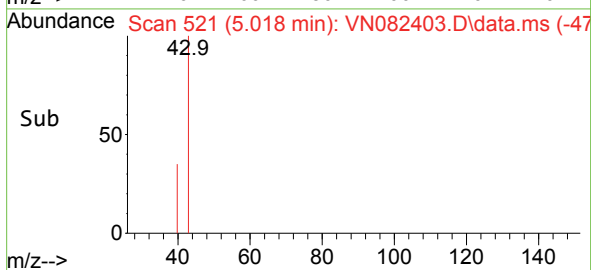
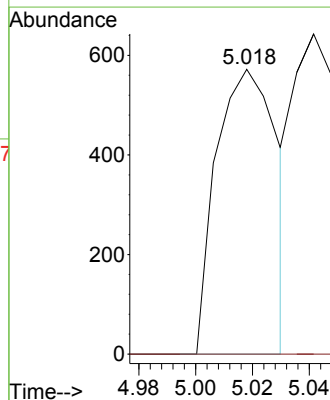
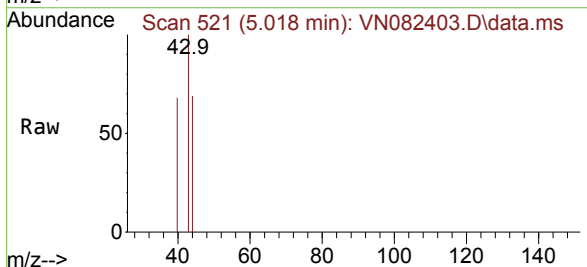
Instrument :
MSVOA_N
ClientSampleId :
PB161190ZHE#01

Tgt Ion: 43 Resp: 75206
Ion Ratio Lower Upper
43 100
58 26.6 25.2 37.8



#18
Methyl Acetate
Concen: 0.292 ug/l
RT: 5.018 min Scan# 521
Delta R.T. -0.006 min
Lab File: VN082403.D
Acq: 31 May 2024 13:09

Tgt Ion: 43 Resp: 848
Ion Ratio Lower Upper
43 100
74 0.0 22.2 33.2#

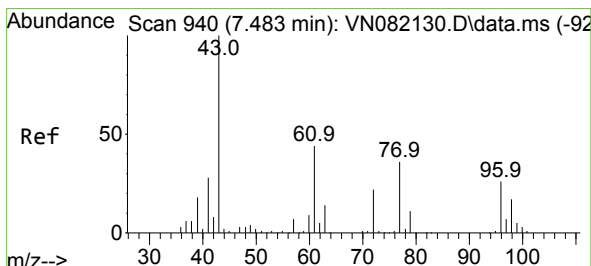
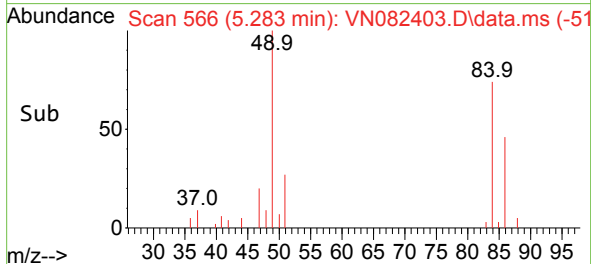
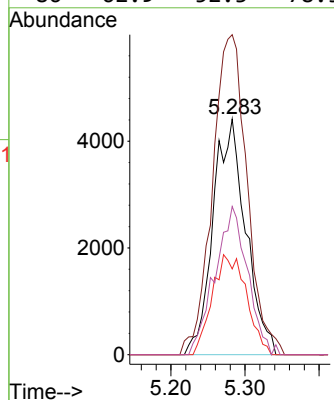
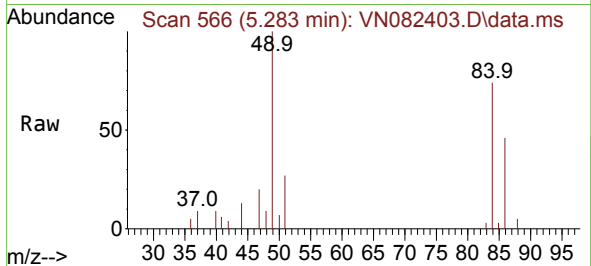




#20
Methylene Chloride
Concen: 5.748 ug/l
RT: 5.283 min Scan# 51
Delta R.T. 0.006 min
Lab File: VN082403.D
Acq: 31 May 2024 13:09

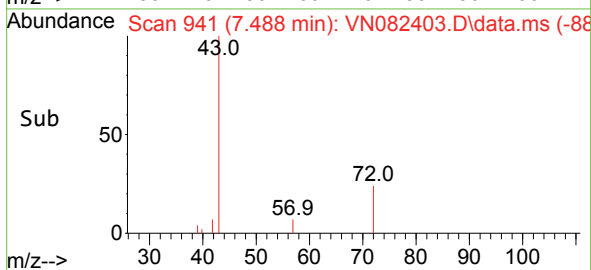
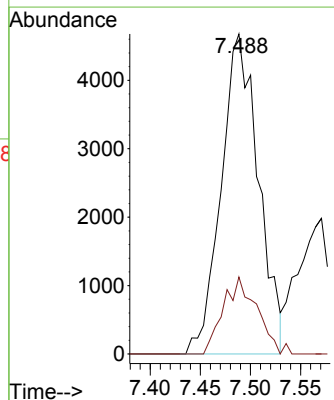
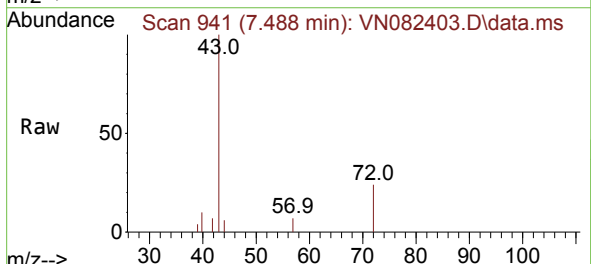
Instrument :
MSVOA_N
ClientSampleId :
PB161190ZHE#01

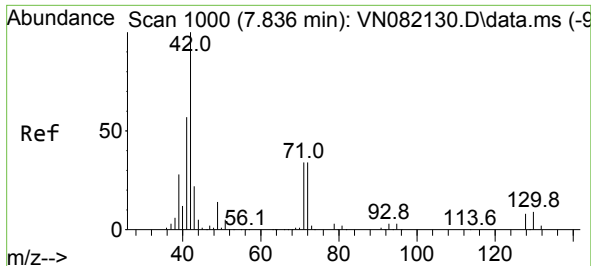
Tgt Ion: 84	Resp: 13516
Ion Ratio	Lower Upper
84 100	
49 135.7	84.9 127.3#
51 36.4	27.0 40.6
86 62.9	52.3 78.5



#25
2-Butanone
Concen: 6.846 ug/l
RT: 7.488 min Scan# 941
Delta R.T. 0.006 min
Lab File: VN082403.D
Acq: 31 May 2024 13:09

Tgt Ion: 43	Resp: 12096
Ion Ratio	Lower Upper
43 100	
72 24.0	25.3 37.9#





#29

Tetrahydrofuran

Concen: 0.205 ug/l

RT: 7.841 min Scan# 10

Delta R.T. 0.005 min

Lab File: VN082403.D

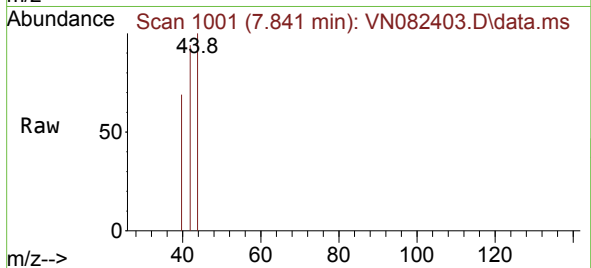
Acq: 31 May 2024 13:09

Instrument :

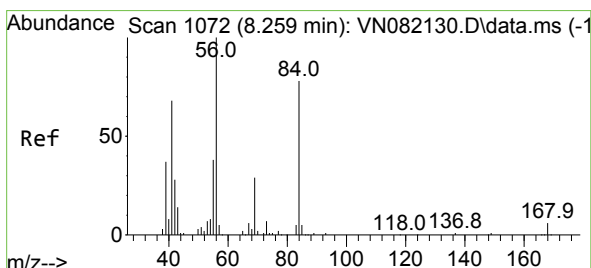
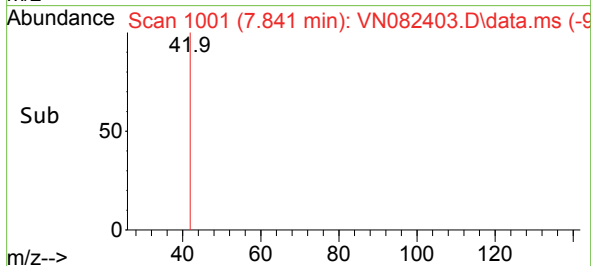
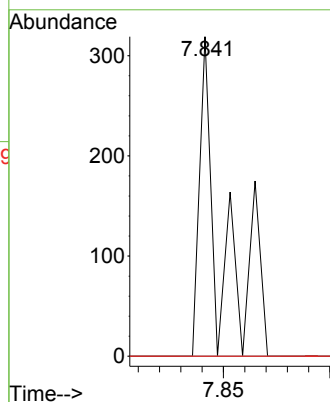
MSVOA_N

ClientSampleId :

PB161190ZHE#01



Tgt Ion:	42	Resp:	232
Ion	Ratio	Lower	Upper
42	100		
72	0.0	39.3	58.9#
71	0.0	37.4	56.0#



#31

Cyclohexane

Concen: 1.197 ug/l

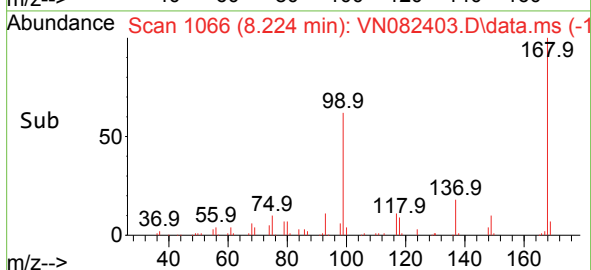
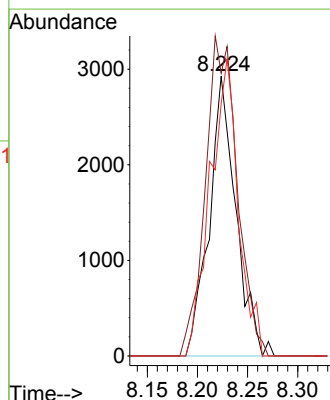
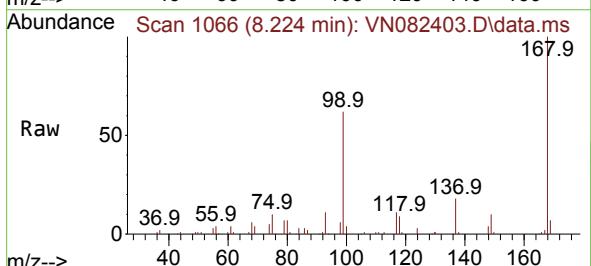
RT: 8.224 min Scan# 1066

Delta R.T. -0.035 min

Lab File: VN082403.D

Acq: 31 May 2024 13:09

Tgt Ion:	56	Resp:	5429
Ion	Ratio	Lower	Upper
56	100		
69	101.1	24.4	36.6#
84	90.2	77.0	115.4





#33

1,2-Dichloroethane-d4

Concen: 53.152 ug/l

RT: 8.577 min Scan# 1126

Delta R.T. -0.000 min

Lab File: VN082403.D

Acq: 31 May 2024 13:09

Instrument :

MSVOA_N

ClientSampleId :

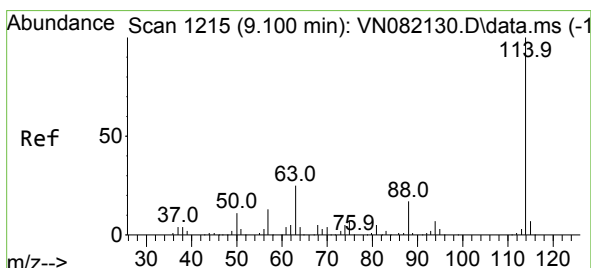
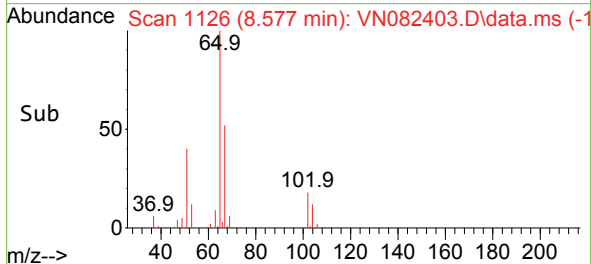
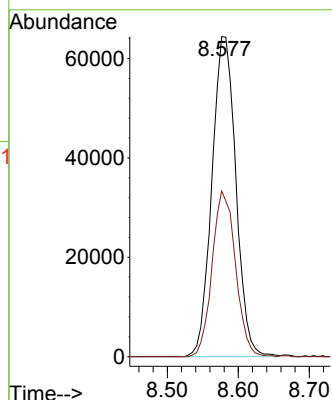
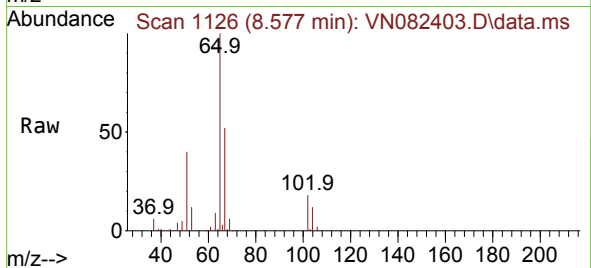
PB161190ZHE#01

Tgt Ion: 65 Resp: 150998

Ion Ratio Lower Upper

65 100

67 50.4 0.0 103.0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.100 min Scan# 1215

Delta R.T. -0.000 min

Lab File: VN082403.D

Acq: 31 May 2024 13:09

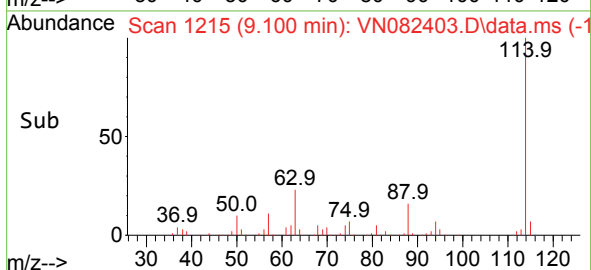
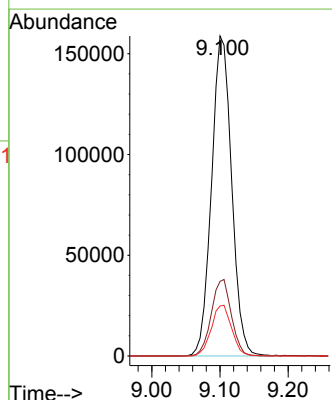
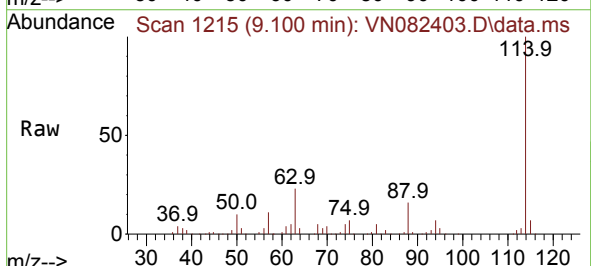
Tgt Ion: 114 Resp: 325940

Ion Ratio Lower Upper

114 100

63 23.3 0.0 41.0

88 15.6 0.0 31.4

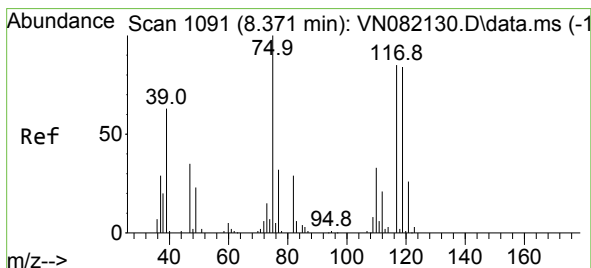
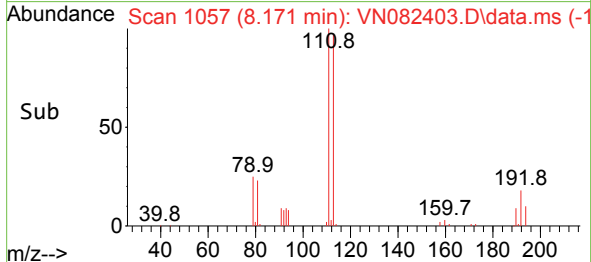
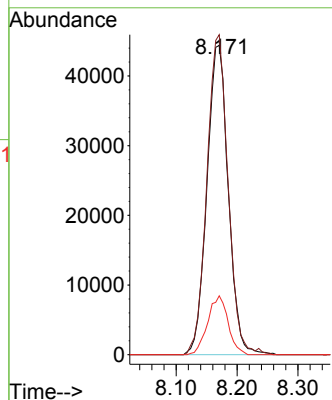
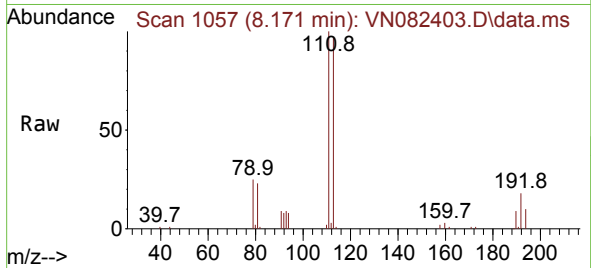




#35
Dibromofluoromethane
Concen: 53.875 ug/l
RT: 8.171 min Scan# 1056
Delta R.T. 0.006 min
Lab File: VN082403.D
Acq: 31 May 2024 13:09

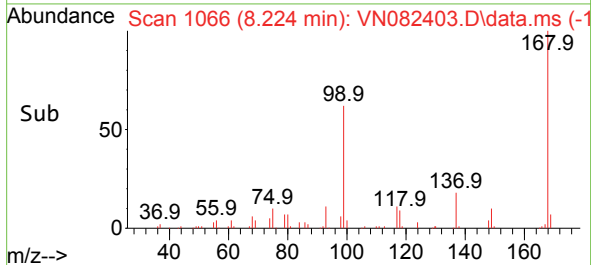
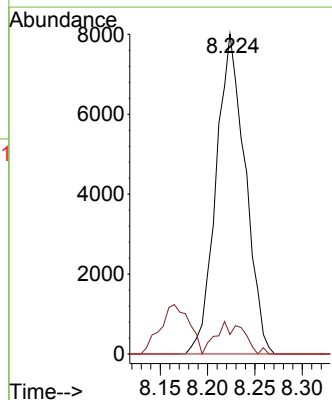
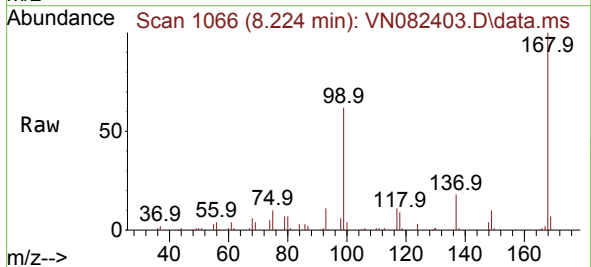
Instrument :
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PB161190ZHE#01

Tgt Ion:113 Resp: 108022
Ion Ratio Lower Upper
113 100
111 102.8 83.4 125.2
192 18.2 14.0 21.0



#36
1,1-Dichloropropene
Concen: 5.092 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. -0.147 min
Lab File: VN082403.D
Acq: 31 May 2024 13:09

Tgt Ion: 75 Resp: 17122
Ion Ratio Lower Upper
75 100
110 5.1 17.8 53.5#
77 0.0 25.0 37.4#

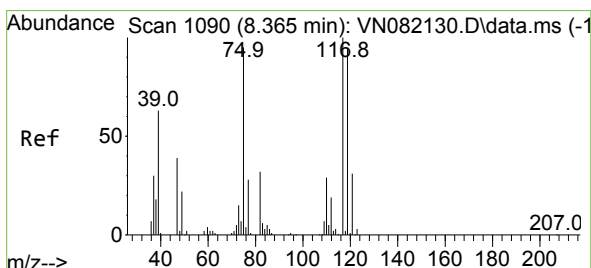
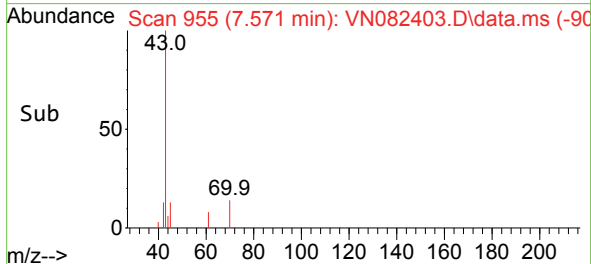
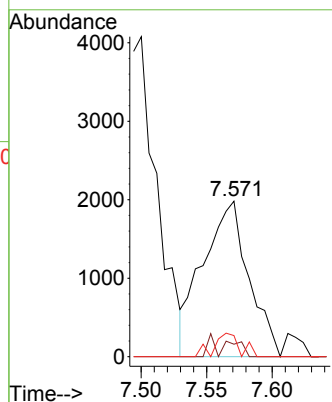
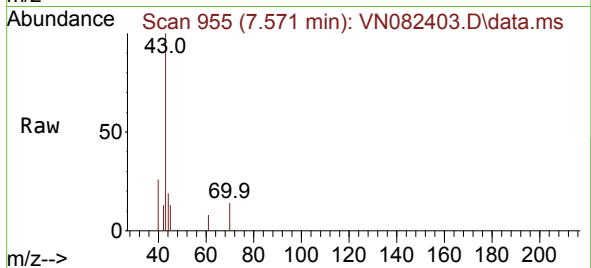




#37
Ethyl Acetate
Concen: 1.283 ug/l
RT: 7.571 min Scan# 91
Delta R.T. 0.012 min
Lab File: VN082403.D
Acq: 31 May 2024 13:09

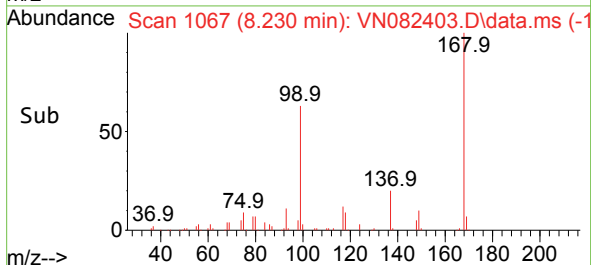
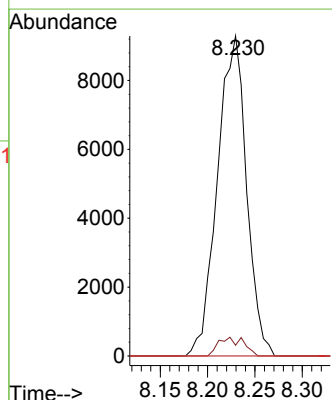
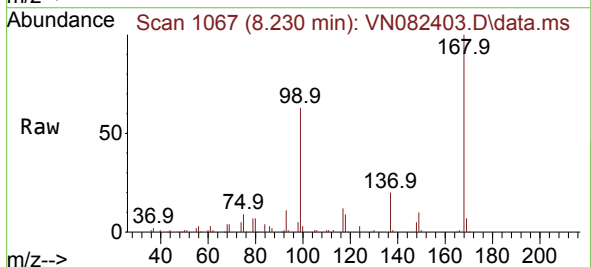
Instrument :
MSVOA_N
ClientSampleId :
PB161190ZHE#01

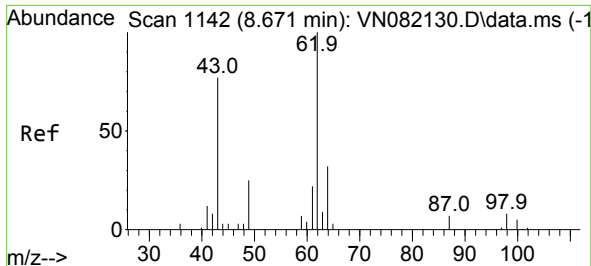
Tgt Ion: 43 Resp: 4828
Ion Ratio Lower Upper
43 100
61 4.0 11.3 16.9#
70 8.4 8.7 13.1#



#38
Carbon Tetrachloride
Concen: 5.827 ug/l
RT: 8.230 min Scan# 1067
Delta R.T. -0.135 min
Lab File: VN082403.D
Acq: 31 May 2024 13:09

Tgt Ion: 117 Resp: 19865
Ion Ratio Lower Upper
117 100
119 3.3 76.5 114.7#
121 0.0 23.9 35.9#





#42

1,2-Dichloroethane

Concen: 0.297 ug/l

RT: 8.682 min Scan# 1144

Delta R.T. 0.012 min

Lab File: VN082403.D

Acq: 31 May 2024 13:09

Instrument :

MSVOA_N

ClientSampleId :

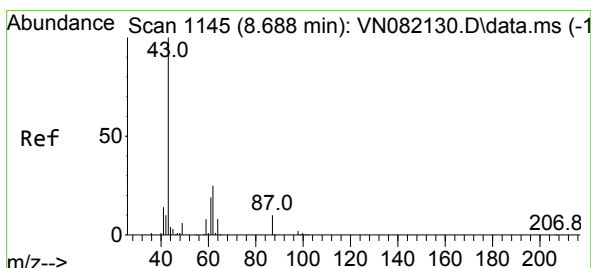
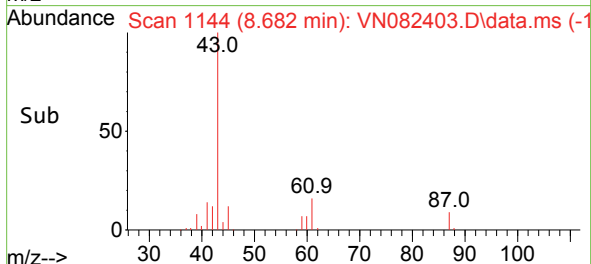
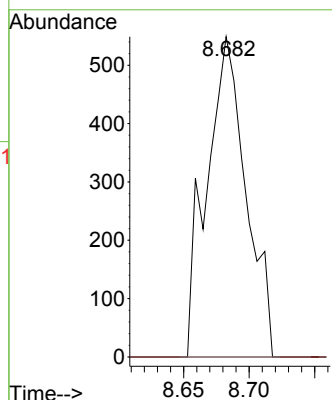
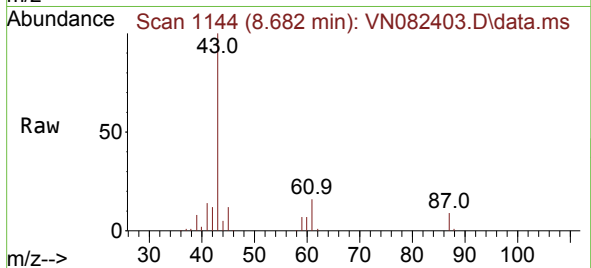
PB161190ZHE#01

Tgt Ion: 62 Resp: 1147

Ion Ratio Lower Upper

62 100

98 0.0 0.0 19.6



#43

Isopropyl Acetate

Concen: 41.546 ug/l

RT: 8.688 min Scan# 1145

Delta R.T. -0.000 min

Lab File: VN082403.D

Acq: 31 May 2024 13:09

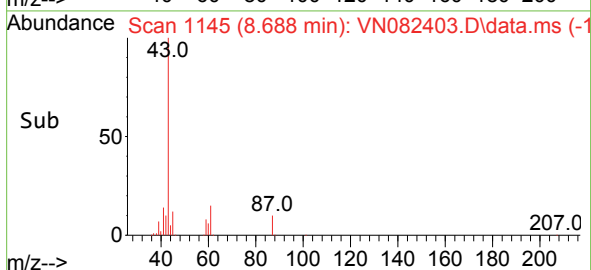
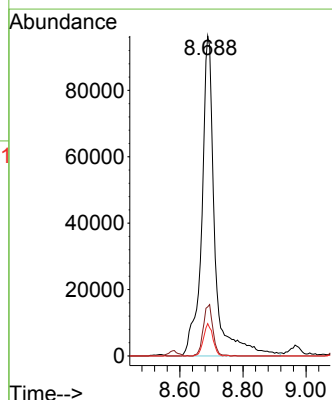
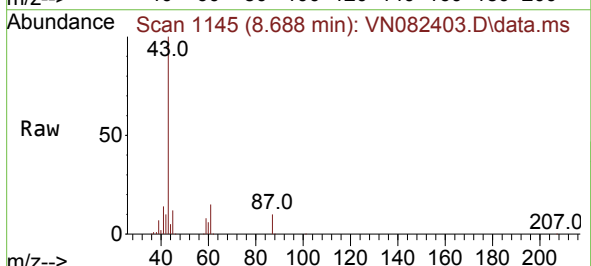
Tgt Ion: 43 Resp: 277043

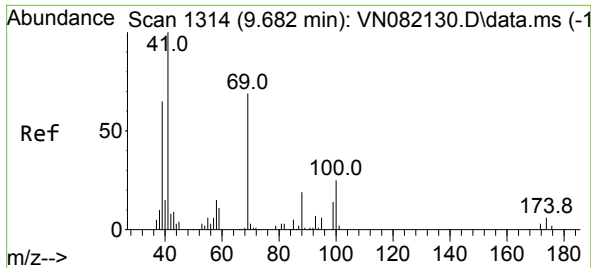
Ion Ratio Lower Upper

43 100

61 11.9 22.8 34.2#

87 7.2 12.0 18.0#

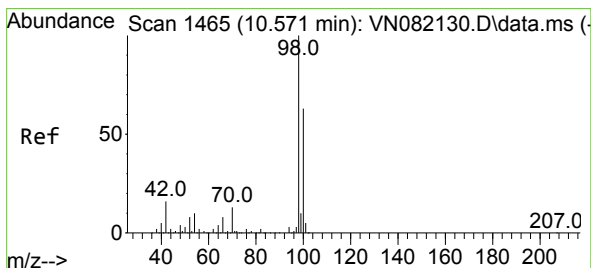
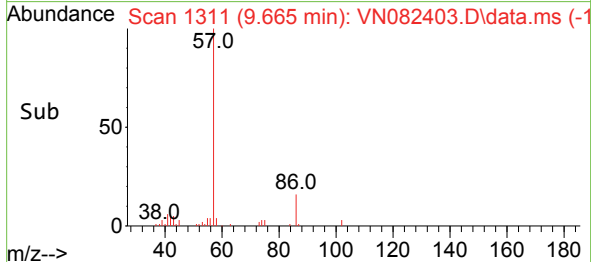
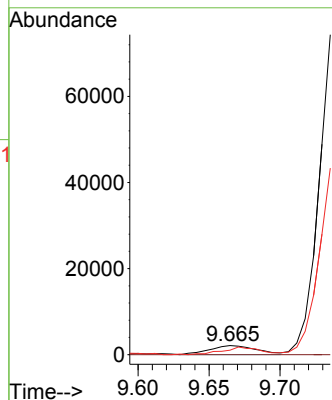
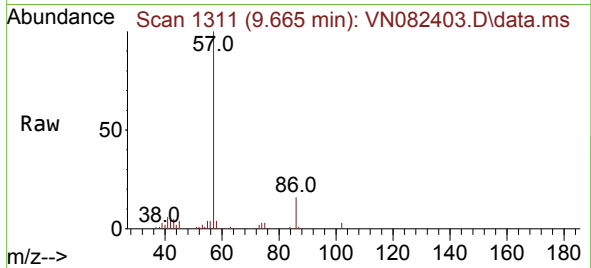




#48
Methyl methacrylate
Concen: 1.538 ug/l
RT: 9.665 min Scan# 11
Delta R.T. -0.018 min
Lab File: VN082403.D
Acq: 31 May 2024 13:09

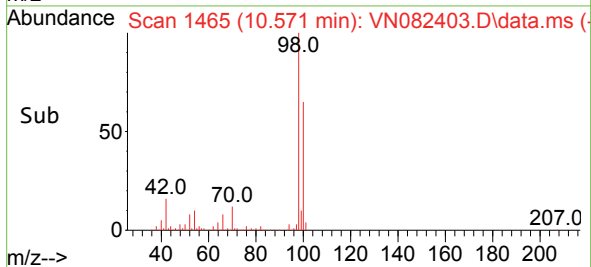
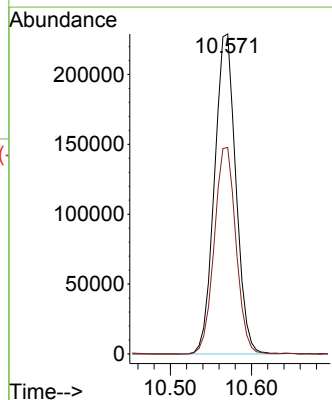
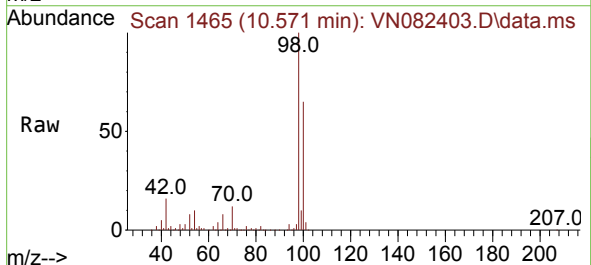
Instrument :
MSVOA_N
ClientSampleId :
PB161190ZHE#01

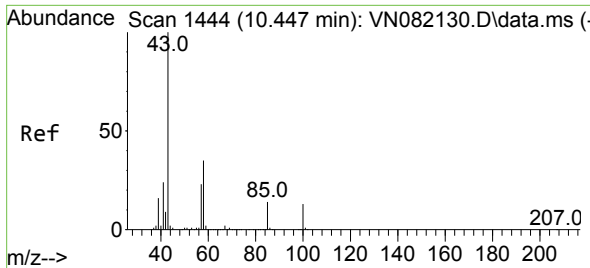
Tgt Ion: 41 Resp: 4888
Ion Ratio Lower Upper
41 100
69 0.0 77.9 116.9#
39 65.1 50.9 76.3



#50
Toluene-d8
Concen: 54.564 ug/l
RT: 10.571 min Scan# 1465
Delta R.T. -0.000 min
Lab File: VN082403.D
Acq: 31 May 2024 13:09

Tgt Ion: 98 Resp: 419445
Ion Ratio Lower Upper
98 100
100 65.4 51.8 77.6

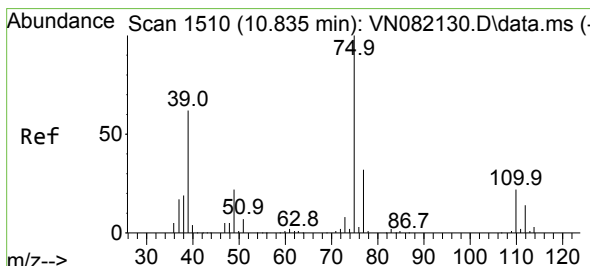
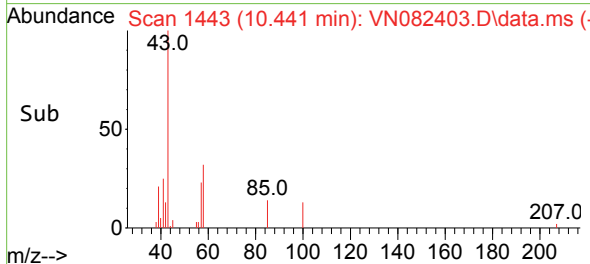
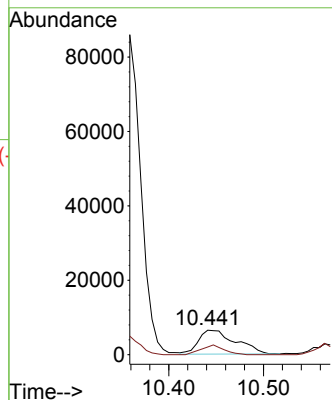
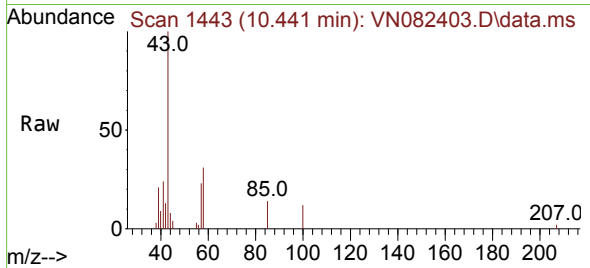




#51
4-Methyl-2-Pentanone
Concen: 4.624 ug/l
RT: 10.441 min Scan# 1443
Delta R.T. -0.006 min
Lab File: VN082403.D
Acq: 31 May 2024 13:09

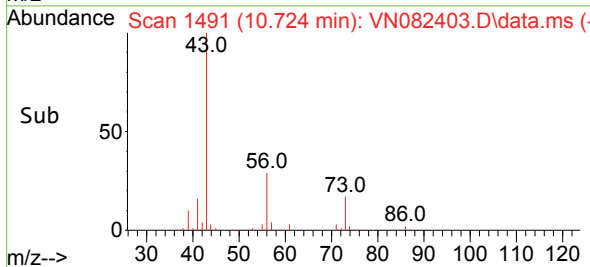
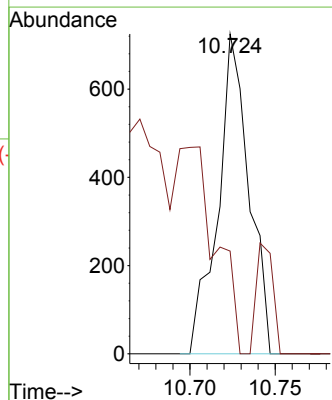
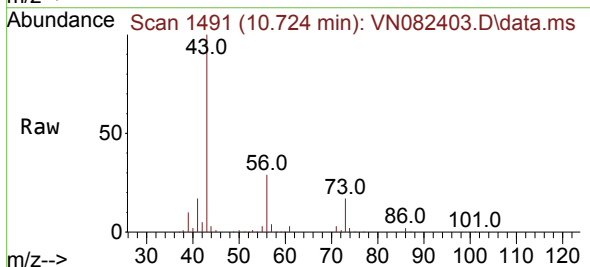
Instrument :
MSVOA_N
ClientSampleId :
PB161190ZHE#01

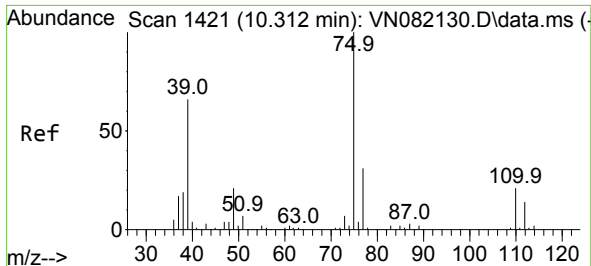
Tgt Ion: 43 Resp: 17521
Ion Ratio Lower Upper
43 100
58 24.8 33.2 49.8#



#53
t-1,3-Dichloropropene
Concen: 0.248 ug/l
RT: 10.724 min Scan# 1491
Delta R.T. -0.112 min
Lab File: VN082403.D
Acq: 31 May 2024 13:09

Tgt Ion: 75 Resp: 919
Ion Ratio Lower Upper
75 100
77 32.1 25.4 38.0

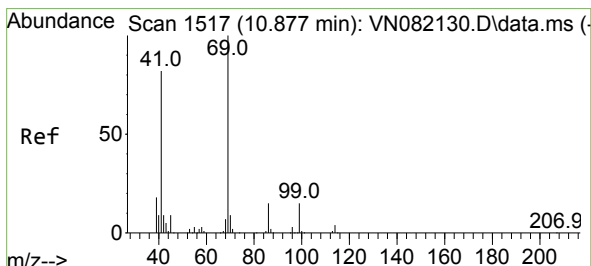
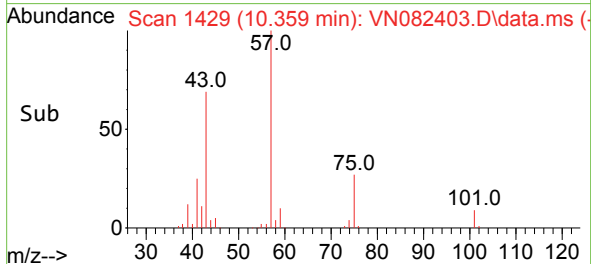
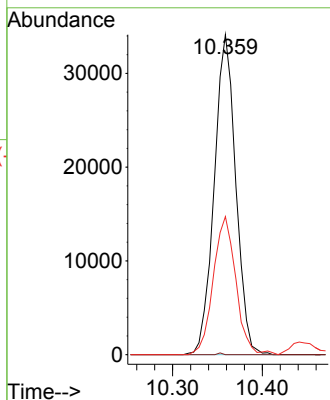
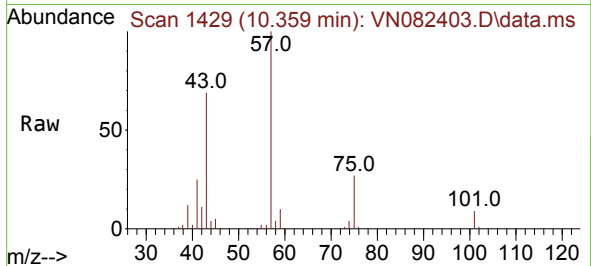




#54
 cis-1,3-Dichloropropene
 Concen: 14.496 ug/l
 RT: 10.359 min Scan# 1429
 Delta R.T. 0.047 min
 Lab File: VN082403.D
 Acq: 31 May 2024 13:09

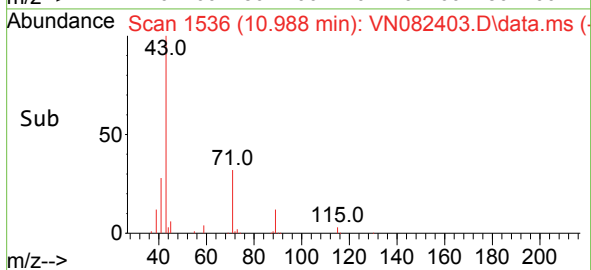
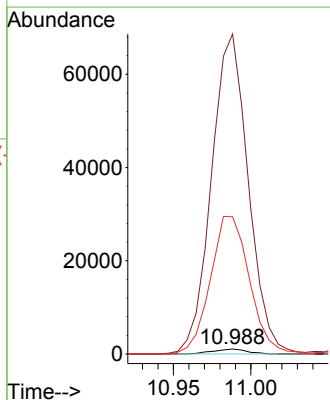
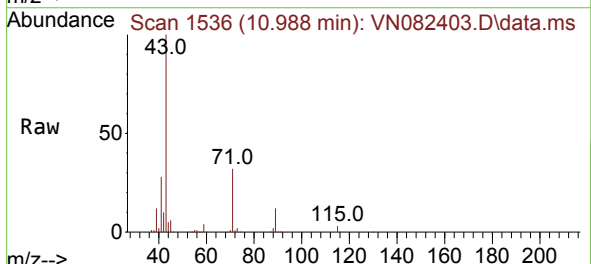
Instrument :
 MSVOA_N
 ClientSampleId :
 PB161190ZHE#01

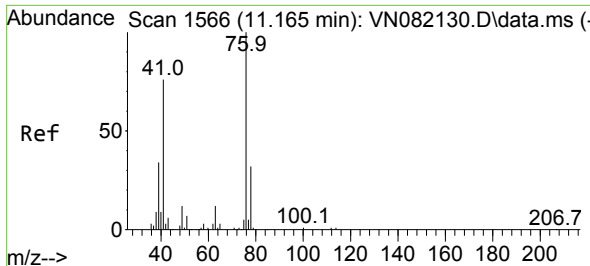
Tgt Ion: 75 Resp: 56908
 Ion Ratio Lower Upper
 75 100
 77 0.0 25.0 37.4#
 39 43.2 34.8 52.2



#56
 Ethyl methacrylate
 Concen: 0.431 ug/l
 RT: 10.988 min Scan# 1536
 Delta R.T. 0.112 min
 Lab File: VN082403.D
 Acq: 31 May 2024 13:09

Tgt Ion: 69 Resp: 1601
 Ion Ratio Lower Upper
 69 100
 41 7100.5 46.6 70.0#
 39 3238.8 26.5 39.7#





#57

1,3-Dichloropropane

Concen: 1.661 ug/l

RT: 11.200 min Scan# 1572

Delta R.T. 0.035 min

Lab File: VN082403.D

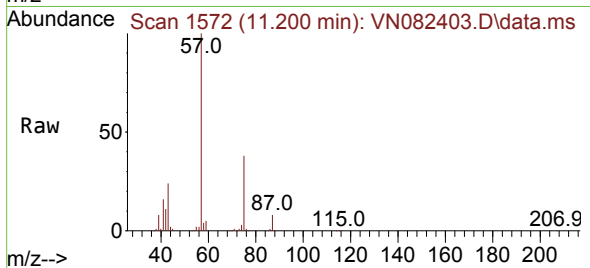
Acq: 31 May 2024 13:09

Instrument :

MSVOA_N

ClientSampleId :

PB161190ZHE#01

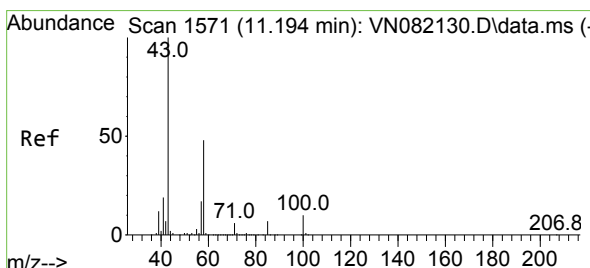
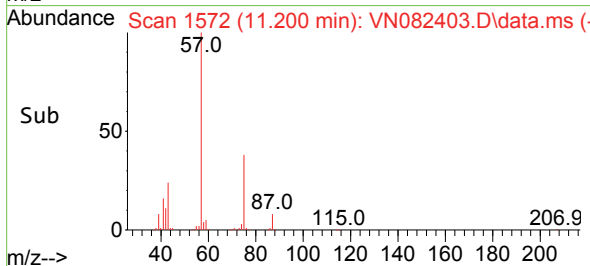
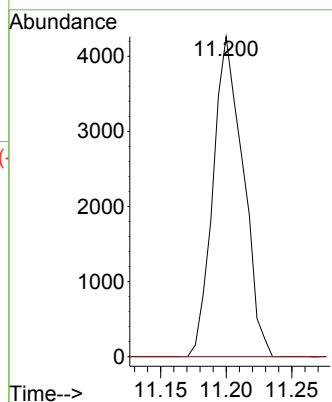


Tgt Ion: 76 Resp: 6791

Ion Ratio Lower Upper

76 100

78 0.0 25.8 38.6#



#59

2-Hexanone

Concen: 59.818 ug/l

RT: 11.171 min Scan# 1567

Delta R.T. -0.024 min

Lab File: VN082403.D

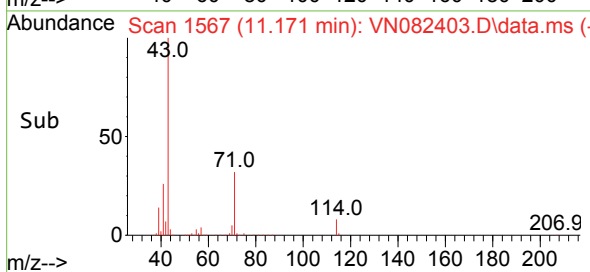
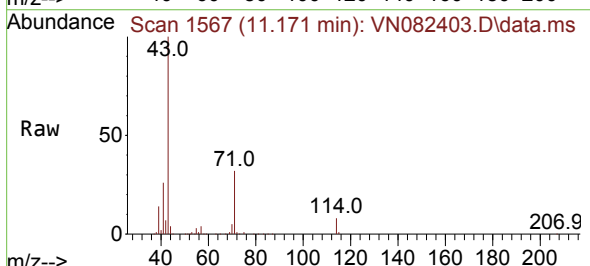
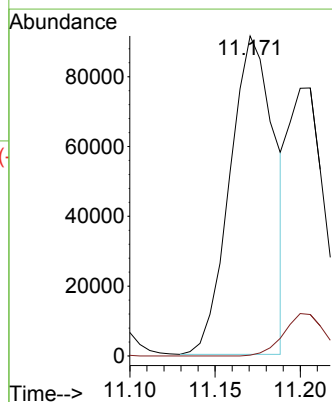
Acq: 31 May 2024 13:09

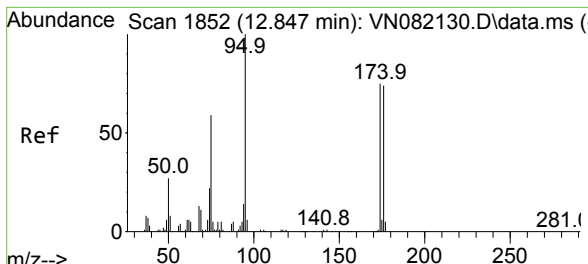
Tgt Ion: 43 Resp: 165943

Ion Ratio Lower Upper

43 100

58 0.0 28.3 84.9#

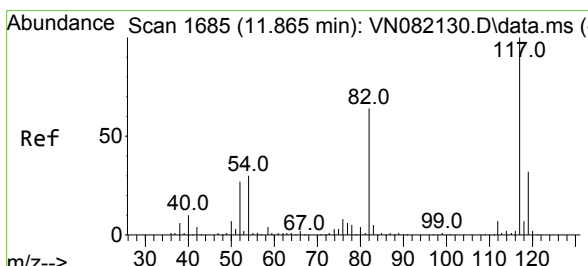
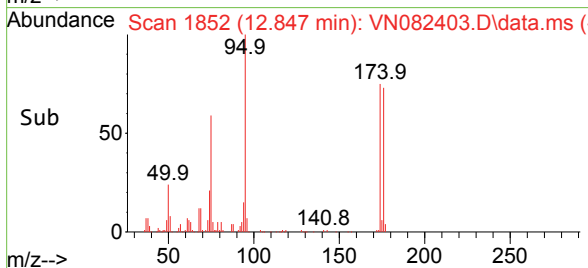
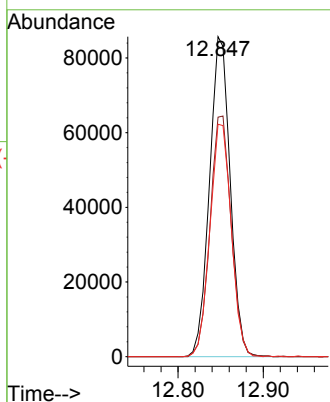
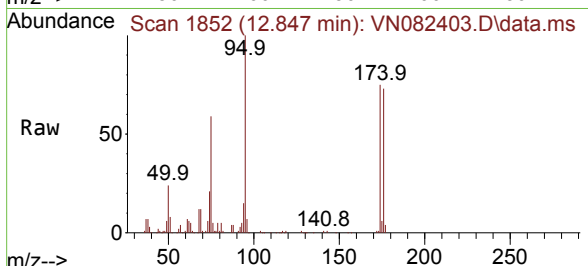




#62
 4-Bromofluorobenzene
 Concen: 52.673 ug/l
 RT: 12.847 min Scan# 1852
 Delta R.T. -0.000 min
 Lab File: VN082403.D
 Acq: 31 May 2024 13:09

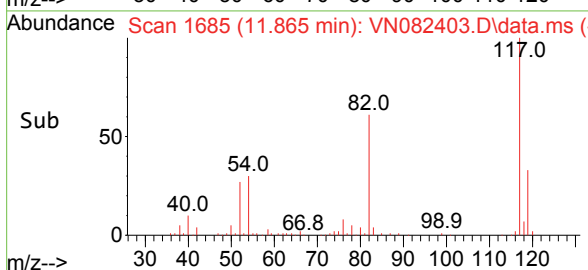
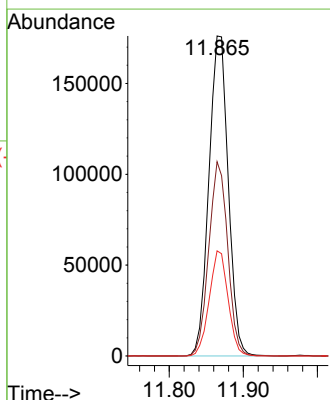
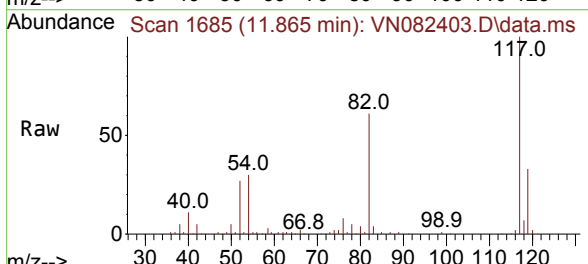
Instrument :
 MSVOA_N
 ClientSampleId :
 PB161190ZHE#01

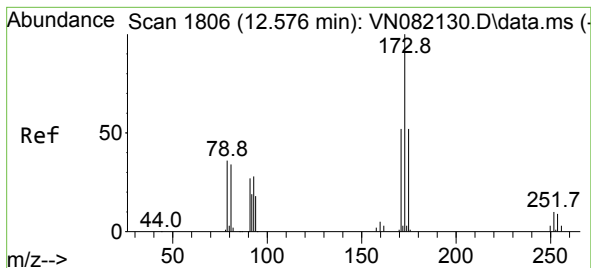
Tgt Ion:	95	Resp:	144520
Ion	Ratio	Lower	Upper
95	100		
174	76.9	0.0	160.6
176	74.7	0.0	152.8



#63
 Chlorobenzene-d5
 Concen: 50.000 ug/l
 RT: 11.865 min Scan# 1685
 Delta R.T. -0.000 min
 Lab File: VN082403.D
 Acq: 31 May 2024 13:09

Tgt Ion:	117	Resp:	319254
Ion	Ratio	Lower	Upper
117	100		
82	60.7	44.6	66.8
119	32.8	25.9	38.9





#71

Bromoform

Concen: 1.039 ug/l

RT: 12.847 min Scan# 1852

Delta R.T. 0.271 min

Lab File: VN082403.D

Acq: 31 May 2024 13:09

Instrument :

MSVOA_N

ClientSampleId :

PB161190ZHE#01

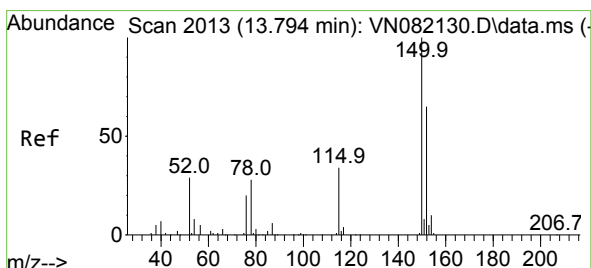
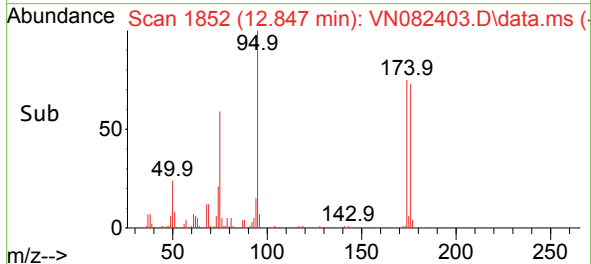
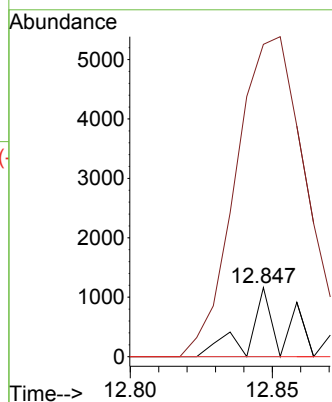
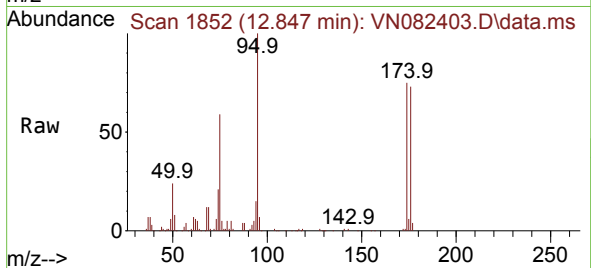
Tgt Ion:173 Resp: 634

Ion Ratio Lower Upper

173 100

175 0.0 24.6 74.0#

254 0.0 0.0 0.0



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.794 min Scan# 2013

Delta R.T. -0.000 min

Lab File: VN082403.D

Acq: 31 May 2024 13:09

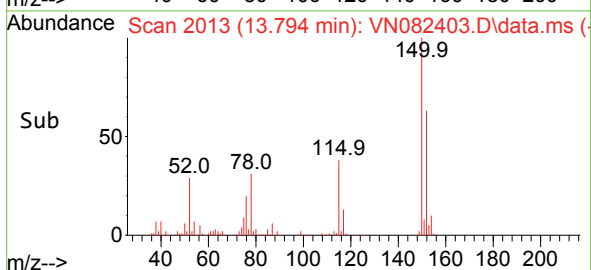
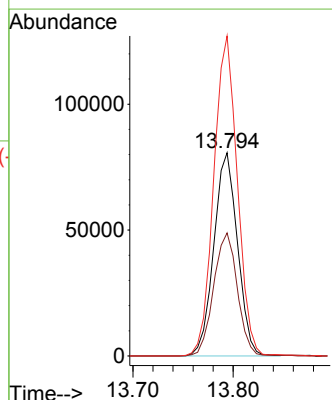
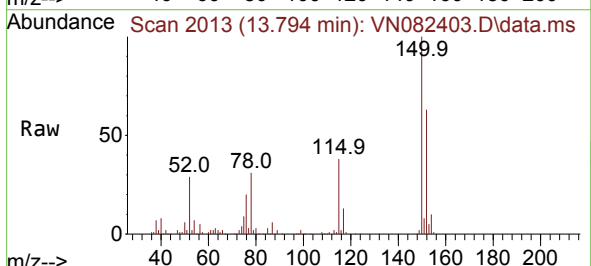
Tgt Ion:152 Resp: 132369

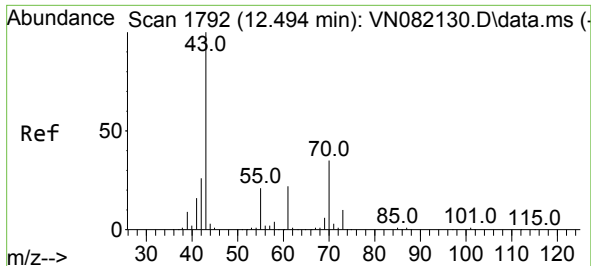
Ion Ratio Lower Upper

152 100

115 60.8 30.4 91.3

150 156.9 0.0 353.2

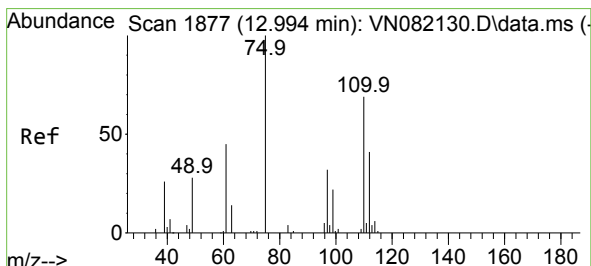
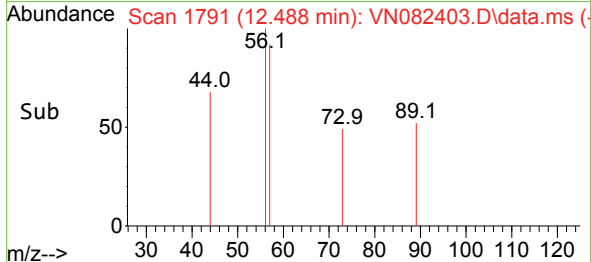
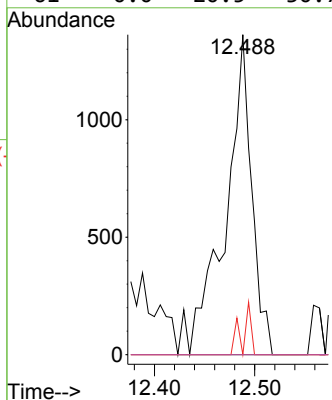
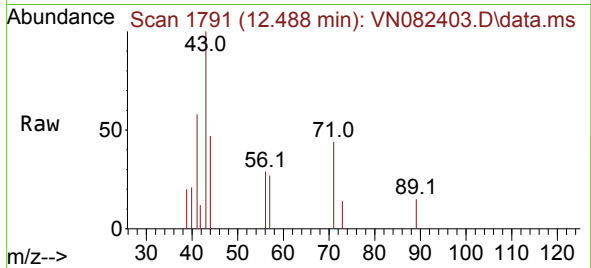




#74
N-amy1 acetate
Concen: 0.437 ug/l
RT: 12.488 min Scan# 1
Delta R.T. -0.006 min
Lab File: VN082403.D
Acq: 31 May 2024 13:09

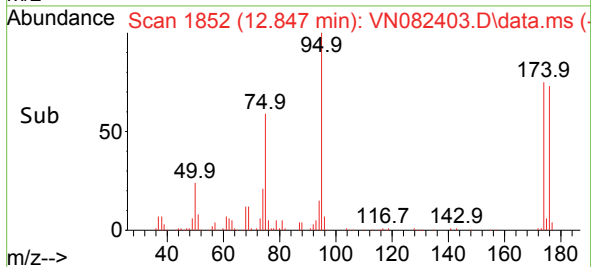
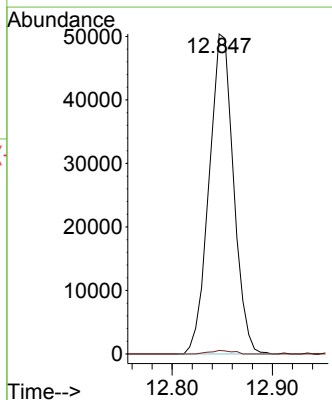
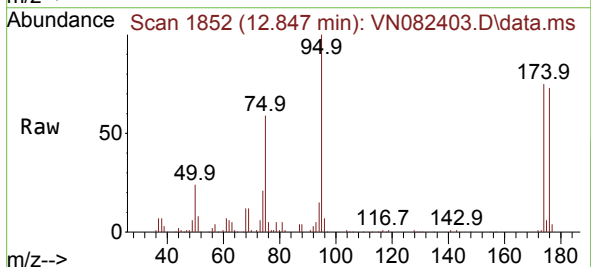
Instrument :
MSVOA_N
ClientSampleId :
PB161190ZHE#01

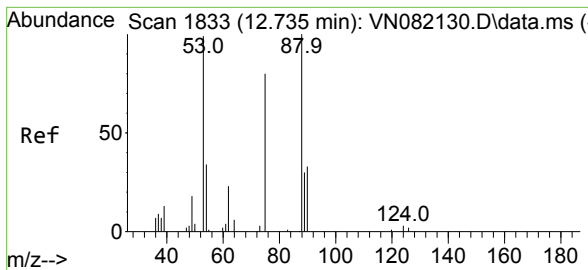
Tgt Ion: 43 Resp: 2527
Ion Ratio Lower Upper
43 100
70 0.0 39.0 58.4#
55 2.2 21.3 31.9#
61 0.0 20.5 30.7#



#76
1,2,3-Trichloropropane
Concen: 30.610 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.147 min
Lab File: VN082403.D
Acq: 31 May 2024 13:09

Tgt Ion: 75 Resp: 85281
Ion Ratio Lower Upper
75 100
77 1.0 90.5 271.3#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 71.596 ug/l
 RT: 12.847 min Scan# 11
 Delta R.T. 0.112 min
 Lab File: VN082403.D
 Acq: 31 May 2024 13:09

Instrument :
 MSVOA_N
 ClientSampleId :
 PB161190ZHE#01

Tgt Ion: 75 Resp: 85281
 Ion Ratio Lower Upper
 75 100
 53 0.0 72.9 109.3#
 89 0.0 39.1 58.7#

