

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN053124\
 Data File : VN082405.D
 Acq On : 31 May 2024 13:58
 Operator : JC\MD
 Sample : PB161190ZHE#03
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 PB161190ZHE#03

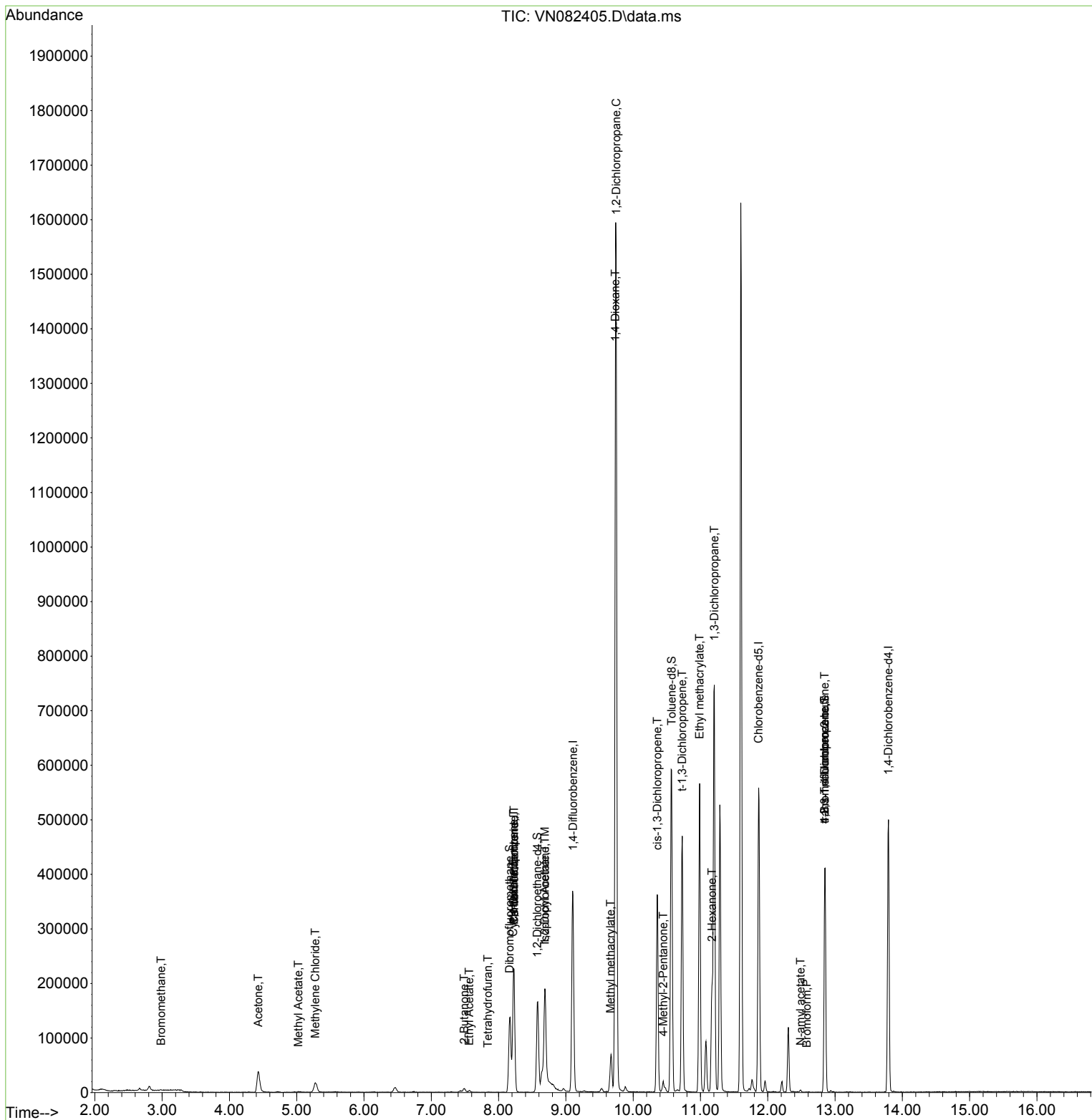
Quant Time: May 31 22:57:33 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N051524W.M
 Quant Title : SW846 8260
 QLast Update : Thu May 16 05:21:06 2024
 Response via : Initial Calibration

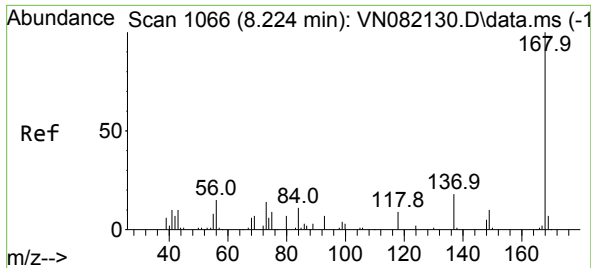
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Pentafluorobenzene	8.230	168	158107	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	293346	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	290009	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	125945	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.577	65	136442	54.652	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 109.300%			
35) Dibromofluoromethane	8.165	113	97481	54.020	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 108.040%			
50) Toluene-d8	10.571	98	389358	56.278	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 112.560%			
62) 4-Bromofluorobenzene	12.847	95	133220	53.949	ug/l	0.00
Spiked Amount 50.000	Range 64 - 133		Recovery = 107.900%			
Target Compounds						Qvalue
5) Bromomethane	2.983	94	541	0.388	ug/l #	73
16) Acetone	4.430	43	74828	73.065	ug/l	90
18) Methyl Acetate	5.024	43	2627	1.030	ug/l #	52
20) Methylene Chloride	5.277	84	13597	6.580	ug/l #	77
25) 2-Butanone	7.488	43	11967	7.707	ug/l	89
29) Tetrahydrofuran	7.841	42	345	0.346	ug/l #	29
31) Cyclohexane	8.218	56	4699	1.178	ug/l #	61
36) 1,1-Dichloropropene	8.224	75	14632	4.835	ug/l #	48
37) Ethyl Acetate	7.565	43	4538	1.340	ug/l #	85
38) Carbon Tetrachloride	8.230	117	16522	5.385	ug/l #	15
42) 1,2-Dichloroethane	8.688	62	1280	0.369	ug/l #	73
43) Isopropyl Acetate	8.688	43	290921	48.474	ug/l #	72
45) 1,2-Dichloropropane	9.747	63	1715	0.737	ug/l #	45
48) Methyl methacrylate	9.665	41	4895	1.712	ug/l #	39
49) 1,4-Dioxane	9.735	88	144	3.593	ug/l #	1
51) 4-Methyl-2-Pentanone	10.447	43	18847	5.527	ug/l #	72
53) t-1,3-Dichloropropene	10.729	75	895	0.268	ug/l #	78
54) cis-1,3-Dichloropropene	10.359	75	56171	15.898	ug/l #	76
56) Ethyl methacrylate	10.988	69	1628	0.487	ug/l #	1
57) 1,3-Dichloropropane	11.206	76	7024	1.909	ug/l #	42
59) 2-Hexanone	11.171	43	163010	65.289	ug/l #	23
71) Bromoform	12.582	173	66	0.740	ug/l #	28
74) N-amyl acetate	12.488	43	1999	0.363	ug/l #	39
76) 1,2,3-Trichloropropane	12.847	75	79895	30.139	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.847	75	79895	70.495	ug/l #	12

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

Quant Time: May 31 22:57:33 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

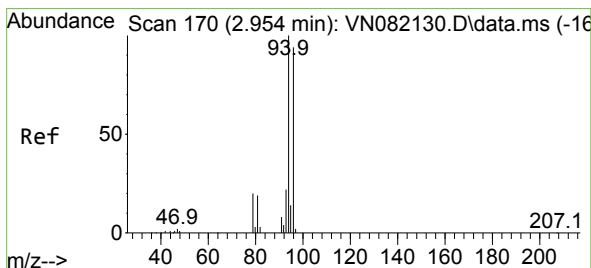
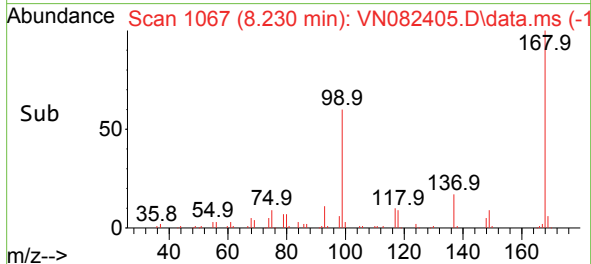
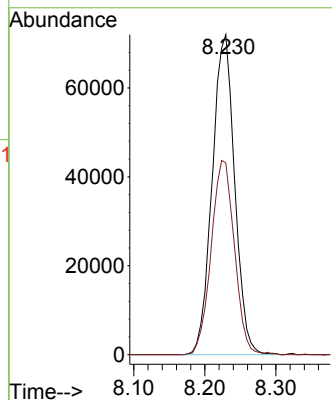
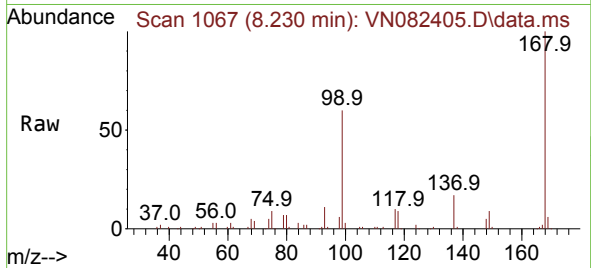




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.230 min Scan# 1066
Delta R.T. 0.006 min
Lab File: VN082405.D
Acq: 31 May 2024 13:58

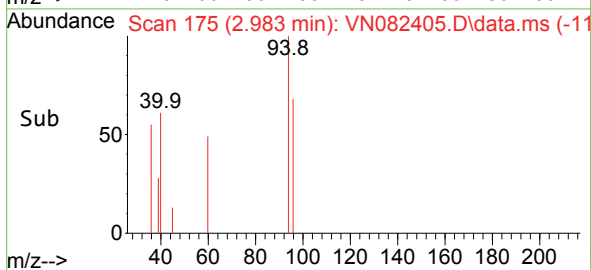
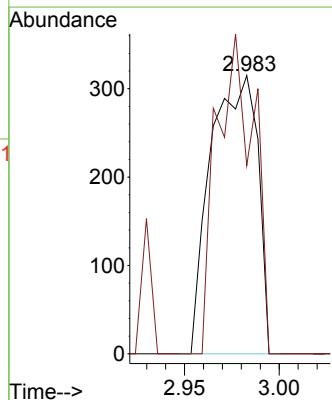
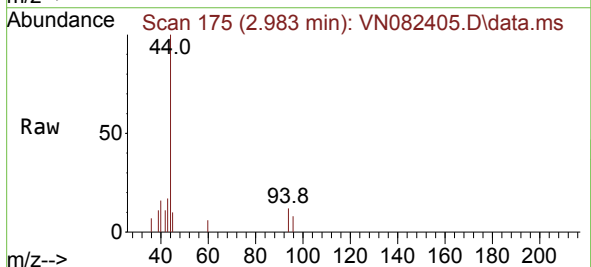
Instrument :
MSVOA_N
ClientSampleId :
PB161190ZHE#03

Tgt Ion:168 Resp: 158107
Ion Ratio Lower Upper
168 100
99 60.0 48.2 72.4



#5
Bromomethane
Concen: 0.388 ug/l
RT: 2.983 min Scan# 175
Delta R.T. 0.029 min
Lab File: VN082405.D
Acq: 31 May 2024 13:58

Tgt Ion: 94 Resp: 541
Ion Ratio Lower Upper
94 100
96 67.6 74.8 112.2#

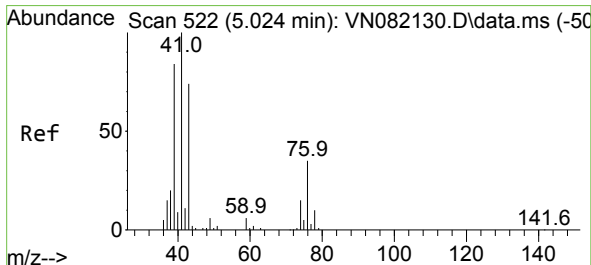
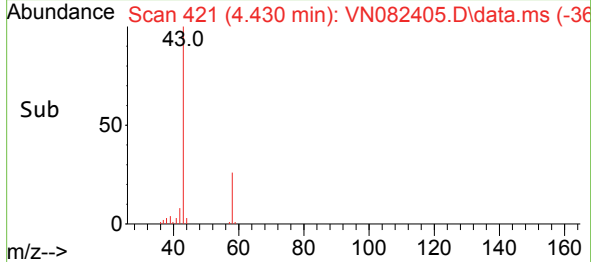
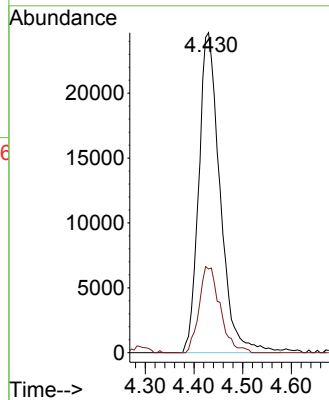
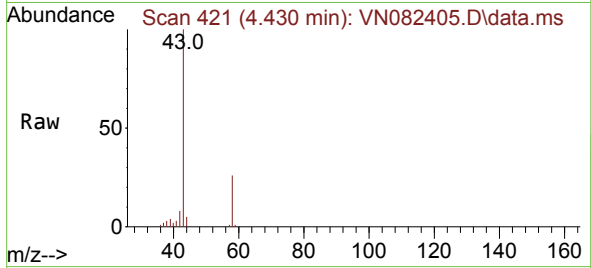




#16
Acetone
Concen: 73.065 ug/l
RT: 4.430 min Scan# 41
Delta R.T. 0.006 min
Lab File: VN082405.D
Acq: 31 May 2024 13:58

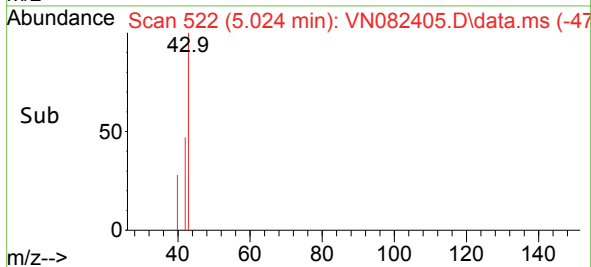
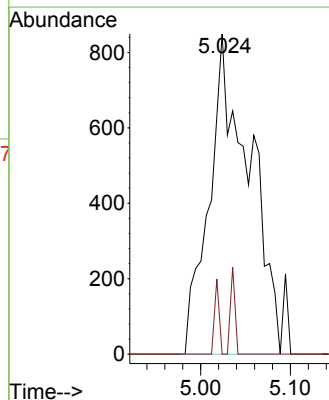
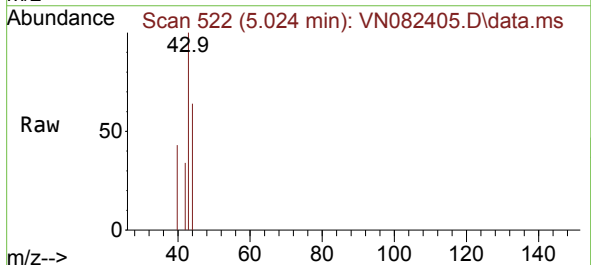
Instrument :
MSVOA_N
ClientSampleId :
PB161190ZHE#03

Tgt Ion: 43 Resp: 74828
Ion Ratio Lower Upper
43 100
58 26.2 25.2 37.8



#18
Methyl Acetate
Concen: 1.030 ug/l
RT: 5.024 min Scan# 522
Delta R.T. -0.000 min
Lab File: VN082405.D
Acq: 31 May 2024 13:58

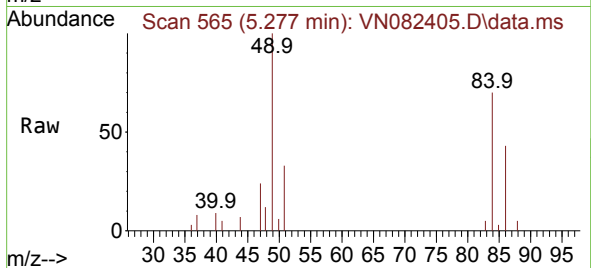
Tgt Ion: 43 Resp: 2627
Ion Ratio Lower Upper
43 100
74 2.7 22.2 33.2#



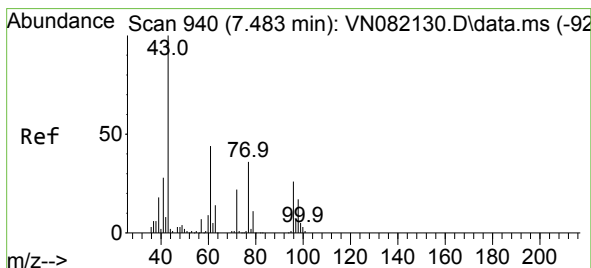
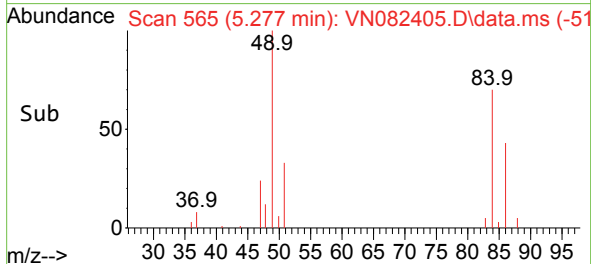
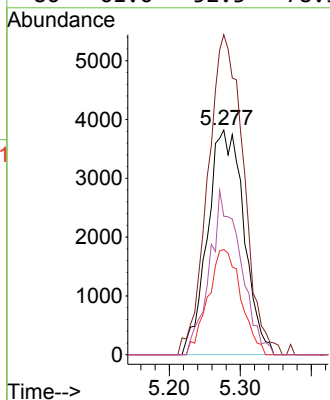


#20
Methylene Chloride
Concen: 6.580 ug/l
RT: 5.277 min Scan# 51
Delta R.T. -0.000 min
Lab File: VN082405.D
Acq: 31 May 2024 13:58

Instrument :
MSVOA_N
ClientSampleId :
PB161190ZHE#03

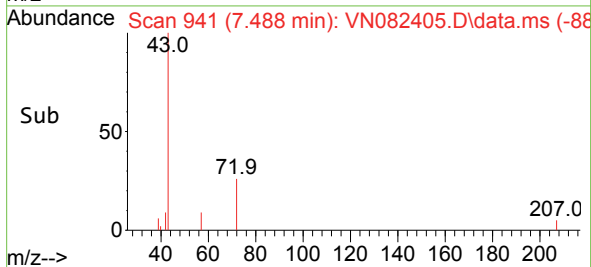
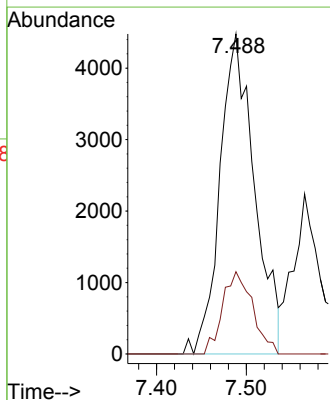
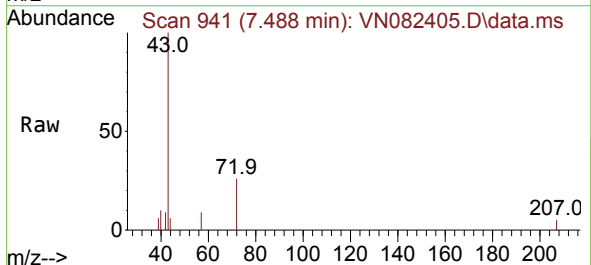


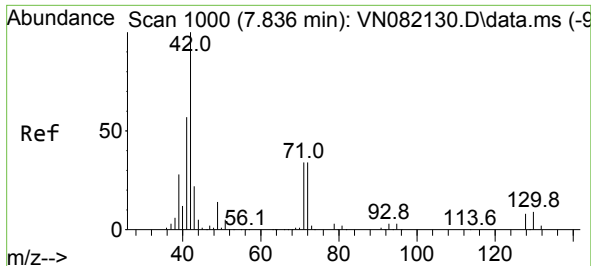
Tgt Ion:	84	Resp:	13597
Ion	Ratio	Lower	Upper
84	100		
49	142.5	84.9	127.3#
51	46.8	27.0	40.6#
86	61.6	52.3	78.5



#25
2-Butanone
Concen: 7.707 ug/l
RT: 7.488 min Scan# 941
Delta R.T. 0.006 min
Lab File: VN082405.D
Acq: 31 May 2024 13:58

Tgt Ion:	43	Resp:	11967
Ion	Ratio	Lower	Upper
43	100		
72	25.7	25.3	37.9





#29

Tetrahydrofuran

Concen: 0.346 ug/l

RT: 7.841 min Scan# 1065

Delta R.T. 0.005 min

Lab File: VN082405.D

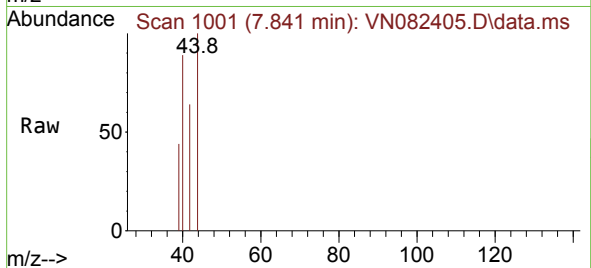
Acq: 31 May 2024 13:58

Instrument :

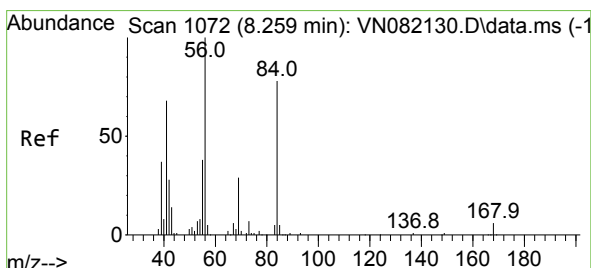
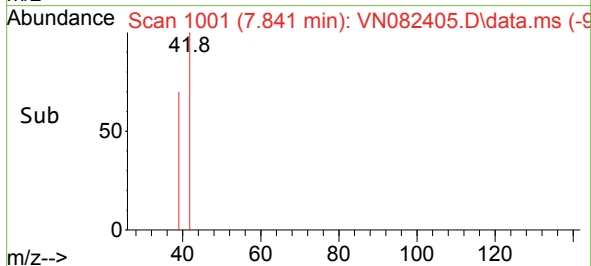
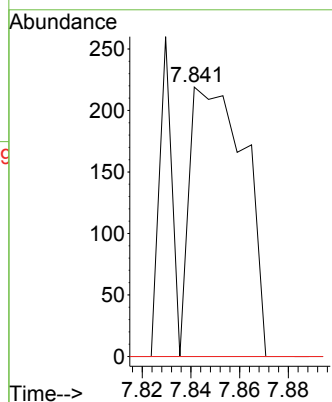
MSVOA_N

ClientSampleId :

PB161190ZHE#03



Tgt Ion:	42	Resp:	345
Ion	Ratio	Lower	Upper
42	100		
72	0.0	39.3	58.9#
71	0.0	37.4	56.0#



#31

Cyclohexane

Concen: 1.178 ug/l

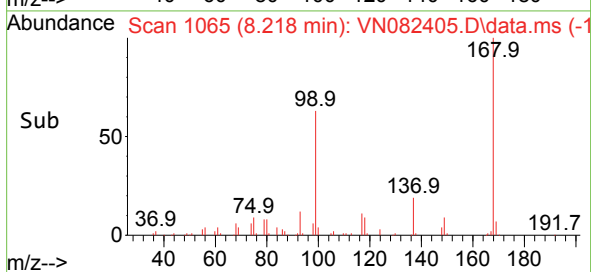
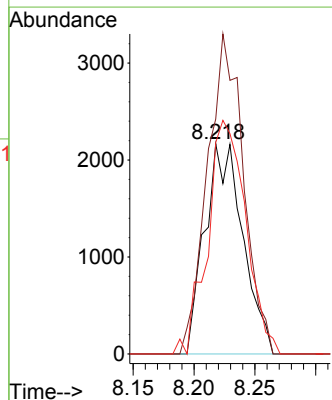
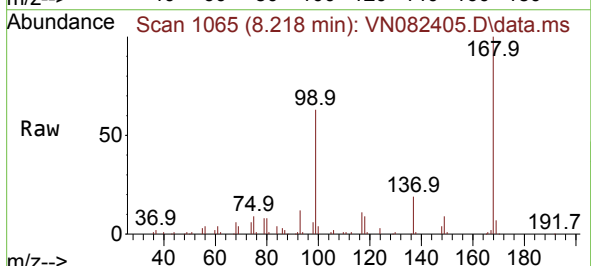
RT: 8.218 min Scan# 1065

Delta R.T. -0.041 min

Lab File: VN082405.D

Acq: 31 May 2024 13:58

Tgt Ion:	56	Resp:	4699
Ion	Ratio	Lower	Upper
56	100		
69	111.7	24.4	36.6#
84	100.5	77.0	115.4





#33

1,2-Dichloroethane-d4

Concen: 54.652 ug/l

RT: 8.577 min Scan# 1126

Delta R.T. -0.000 min

Lab File: VN082405.D

Acq: 31 May 2024 13:58

Instrument :

MSVOA_N

ClientSampleId :

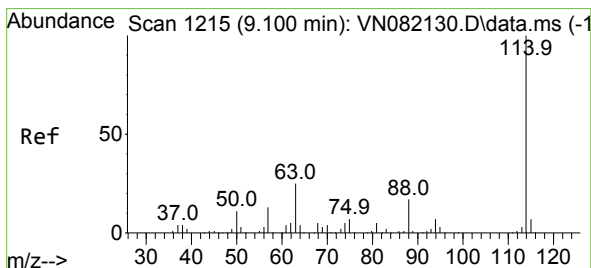
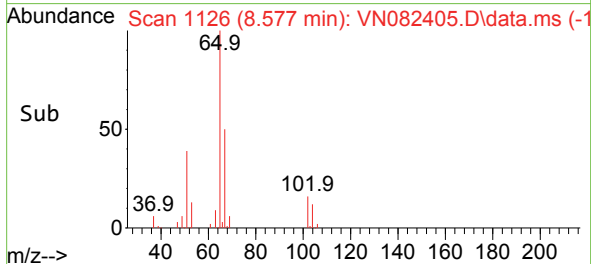
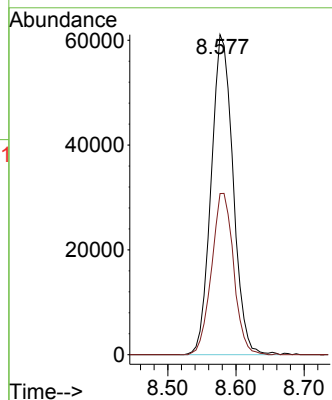
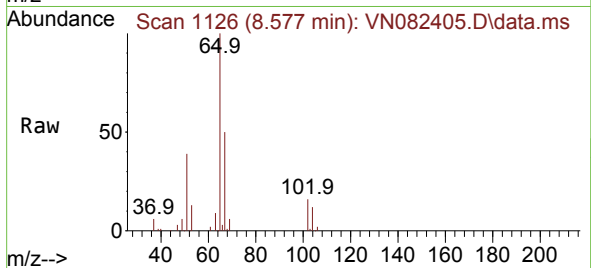
PB161190ZHE#03

Tgt Ion: 65 Resp: 136442

Ion Ratio Lower Upper

65 100

67 50.9 0.0 103.0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.106 min Scan# 1216

Delta R.T. 0.006 min

Lab File: VN082405.D

Acq: 31 May 2024 13:58

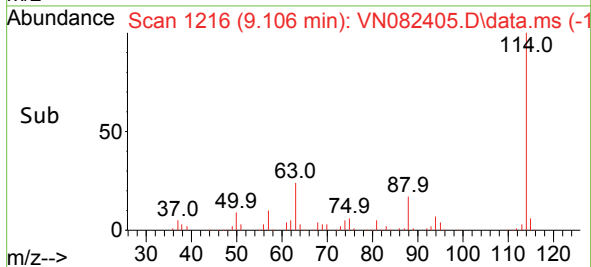
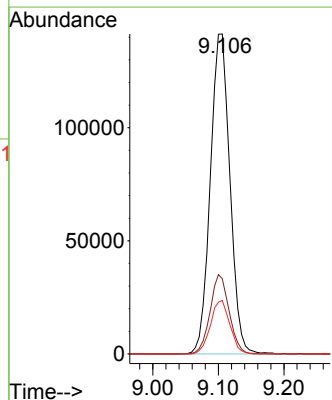
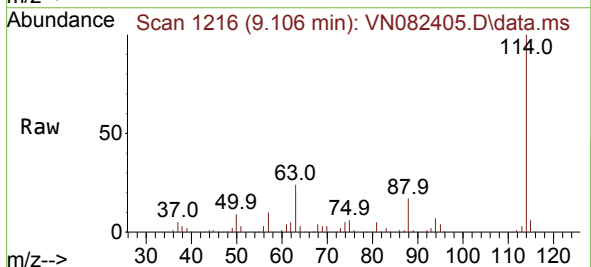
Tgt Ion: 114 Resp: 293346

Ion Ratio Lower Upper

114 100

63 23.5 0.0 41.0

88 16.7 0.0 31.4

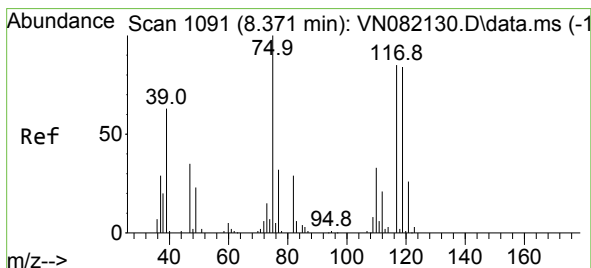
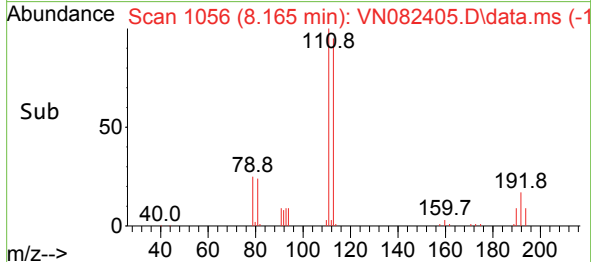
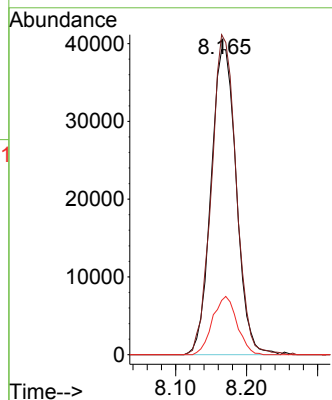
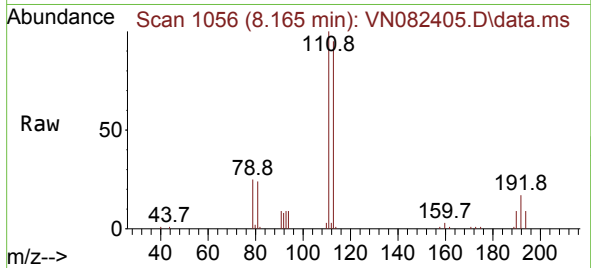




#35
Dibromofluoromethane
Concen: 54.020 ug/l
RT: 8.165 min Scan# 1056
Delta R.T. -0.000 min
Lab File: VN082405.D
Acq: 31 May 2024 13:58

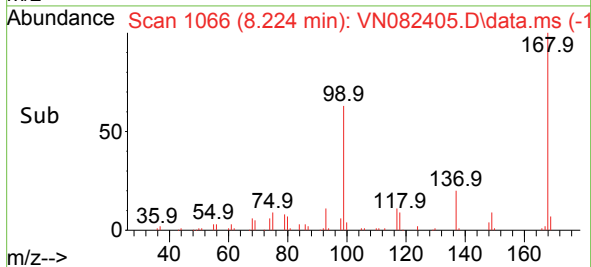
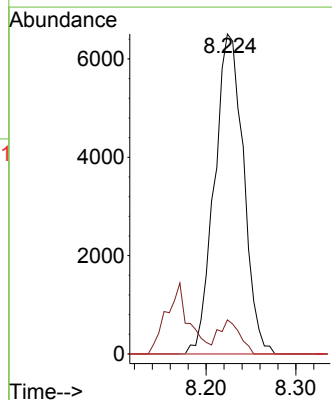
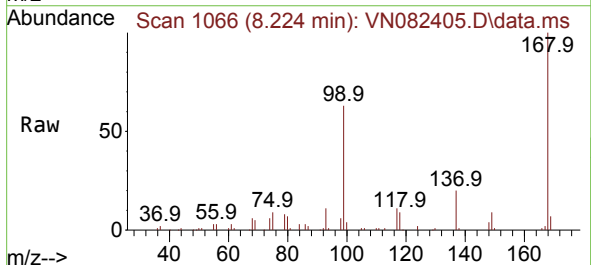
Instrument :
MSVOA_N
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PB161190ZHE#03

Tgt Ion:113 Resp: 97481
Ion Ratio Lower Upper
113 100
111 102.0 83.4 125.2
192 18.4 14.0 21.0



#36
1,1-Dichloropropene
Concen: 4.835 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. -0.147 min
Lab File: VN082405.D
Acq: 31 May 2024 13:58

Tgt Ion: 75 Resp: 14632
Ion Ratio Lower Upper
75 100
110 7.6 17.8 53.5#
77 0.0 25.0 37.4#

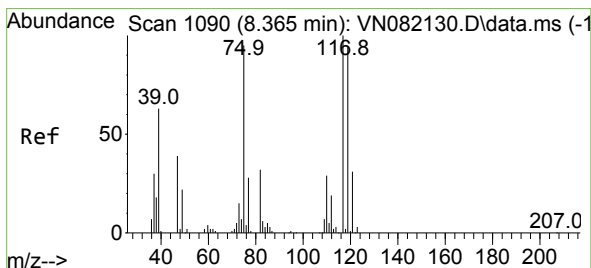
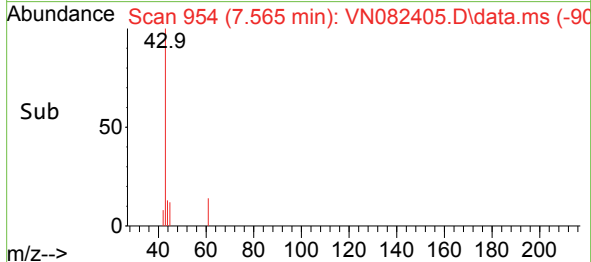
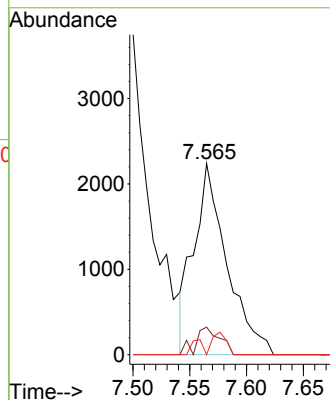
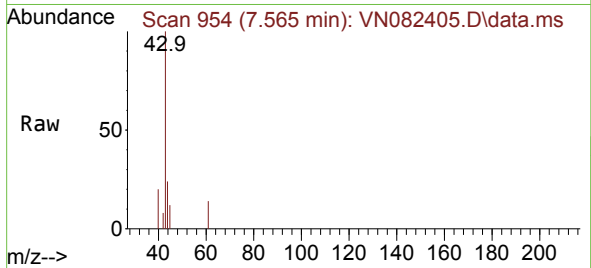




#37
Ethyl Acetate
Concen: 1.340 ug/l
RT: 7.565 min Scan# 91
Delta R.T. 0.006 min
Lab File: VN082405.D
Acq: 31 May 2024 13:58

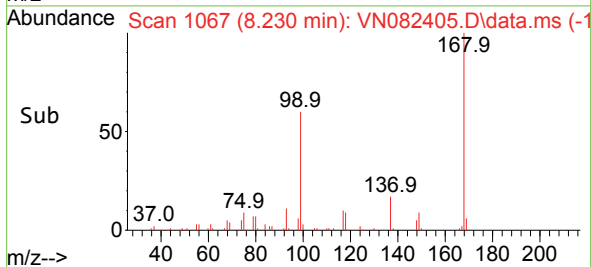
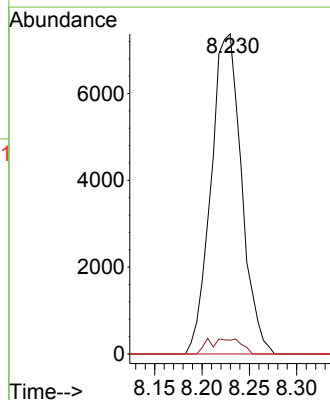
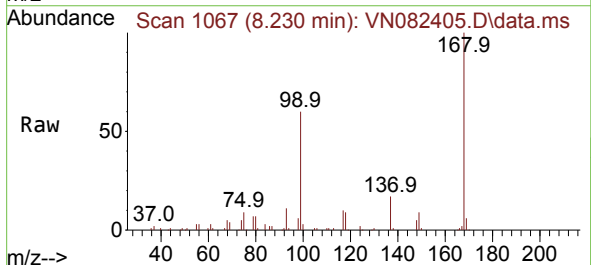
Instrument :
MSVOA_N
ClientSampleId :
PB161190ZHE#03

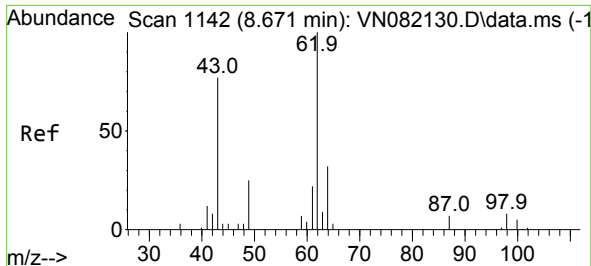
Tgt Ion: 43 Resp: 4538
Ion Ratio Lower Upper
43 100
61 10.5 11.3 16.9#
70 2.6 8.7 13.1#



#38
Carbon Tetrachloride
Concen: 5.385 ug/l
RT: 8.230 min Scan# 1067
Delta R.T. -0.135 min
Lab File: VN082405.D
Acq: 31 May 2024 13:58

Tgt Ion: 117 Resp: 16522
Ion Ratio Lower Upper
117 100
119 4.3 76.5 114.7#
121 0.0 23.9 35.9#





#42

1,2-Dichloroethane

Concen: 0.369 ug/l

RT: 8.688 min Scan# 1145

Delta R.T. 0.018 min

Lab File: VN082405.D

Acq: 31 May 2024 13:58

Instrument :

MSVOA_N

ClientSampleId :

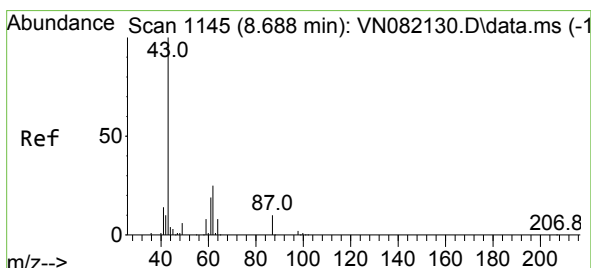
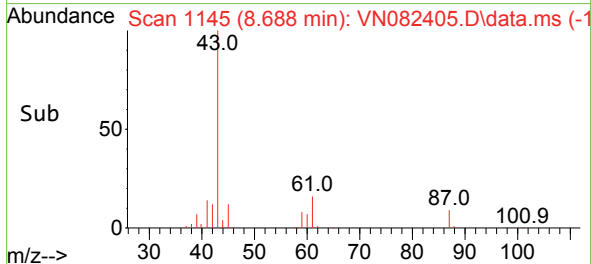
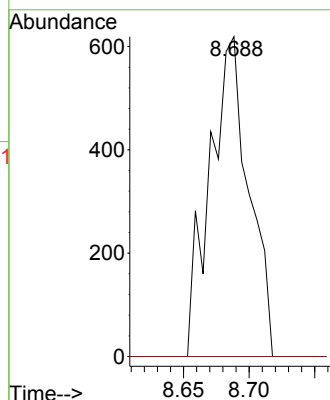
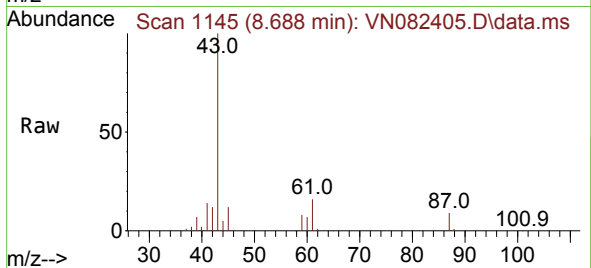
PB161190ZHE#03

Tgt Ion: 62 Resp: 1280

Ion Ratio Lower Upper

62 100

98 0.0 0.0 19.6



#43

Isopropyl Acetate

Concen: 48.474 ug/l

RT: 8.688 min Scan# 1145

Delta R.T. -0.000 min

Lab File: VN082405.D

Acq: 31 May 2024 13:58

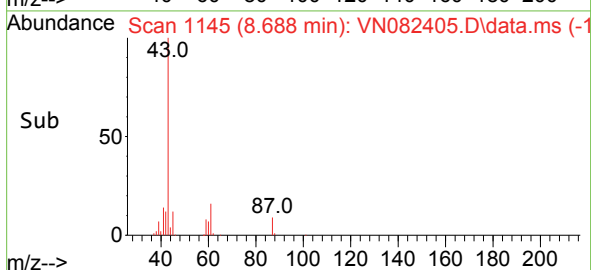
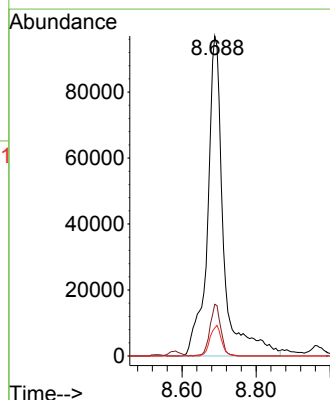
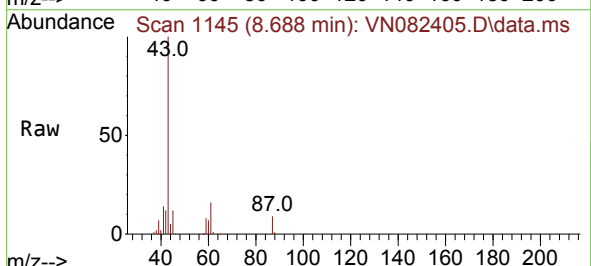
Tgt Ion: 43 Resp: 290921

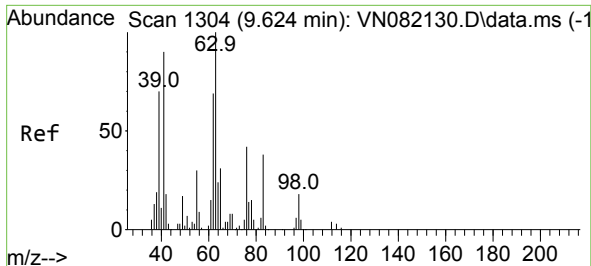
Ion Ratio Lower Upper

43 100

61 11.0 22.8 34.2#

87 6.8 12.0 18.0#





#45

1,2-Dichloropropane

Concen: 0.737 ug/l

RT: 9.747 min Scan# 1325

Delta R.T. 0.123 min

Lab File: VN082405.D

Acq: 31 May 2024 13:58

Instrument :

MSVOA_N

ClientSampleId :

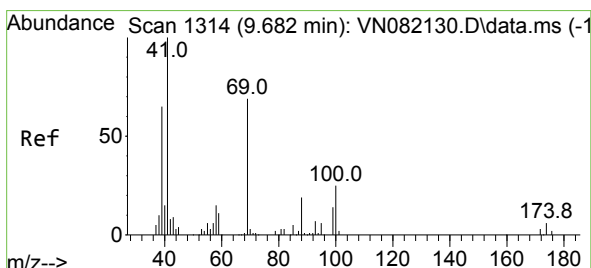
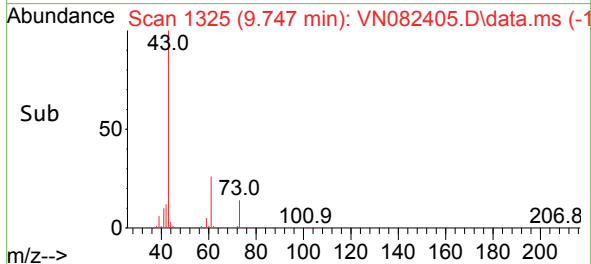
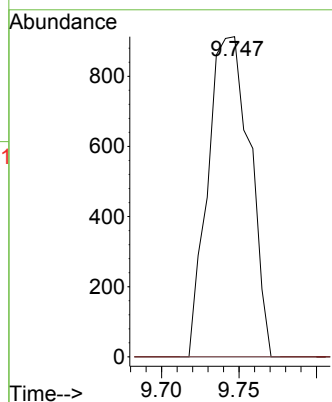
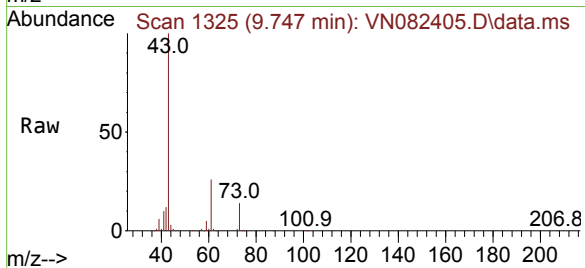
PB161190ZHE#03

Tgt Ion: 63 Resp: 1715

Ion Ratio Lower Upper

63 100

65 0.0 24.1 36.1#



#48

Methyl methacrylate

Concen: 1.712 ug/l

RT: 9.665 min Scan# 1311

Delta R.T. -0.018 min

Lab File: VN082405.D

Acq: 31 May 2024 13:58

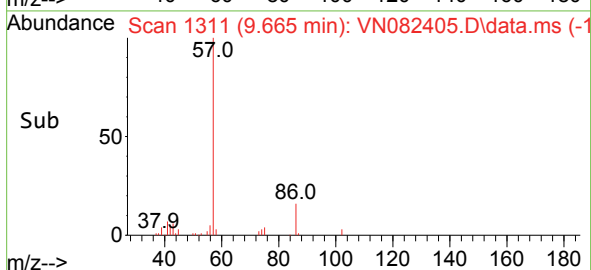
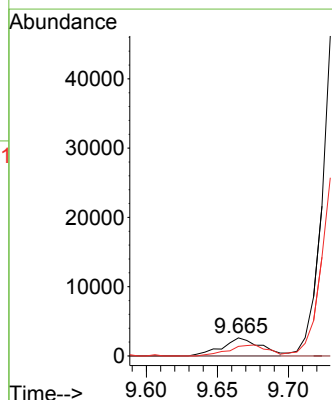
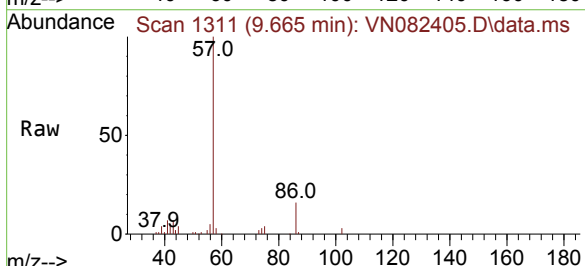
Tgt Ion: 41 Resp: 4895

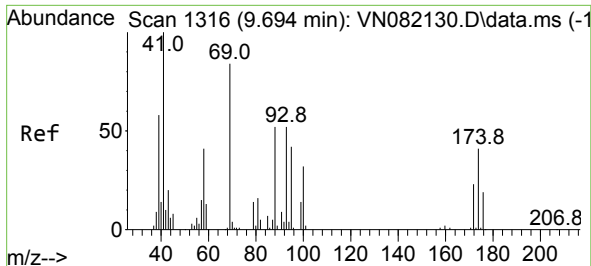
Ion Ratio Lower Upper

41 100

69 0.0 77.9 116.9#

39 61.2 50.9 76.3





#49

1,4-Dioxane

Concen: 3.593 ug/l

RT: 9.735 min Scan# 11

Delta R.T. 0.041 min

Lab File: VN082405.D

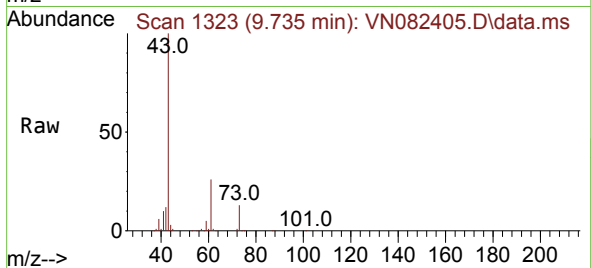
Acq: 31 May 2024 13:58

Instrument :

MSVOA_N

ClientSampleId :

PB161190ZHE#03



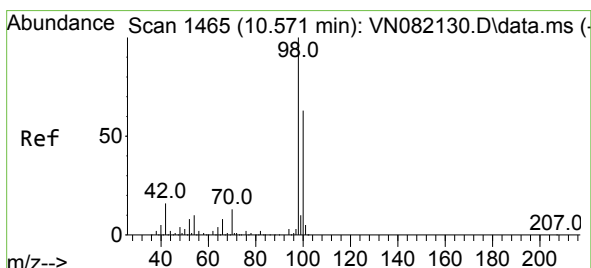
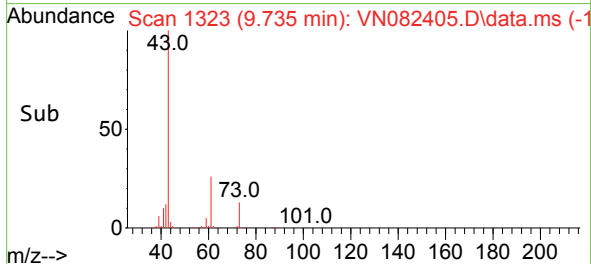
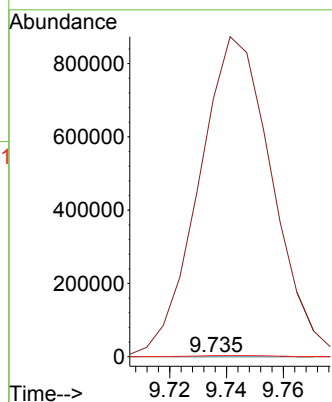
Tgt Ion: 88 Resp: 144

Ion Ratio Lower Upper

88 100

43 1094610.4 19.0 28.6#

58 4377.8 50.6 76.0#



#50

Toluene-d8

Concen: 56.278 ug/l

RT: 10.571 min Scan# 1465

Delta R.T. -0.000 min

Lab File: VN082405.D

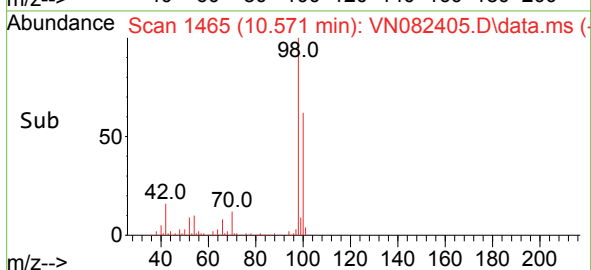
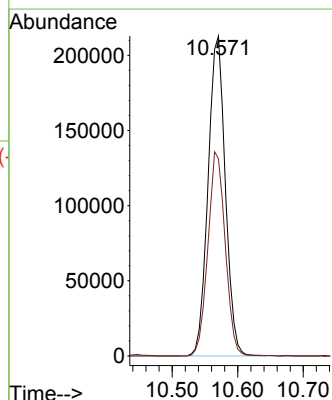
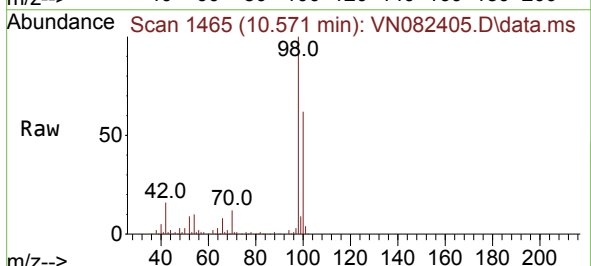
Acq: 31 May 2024 13:58

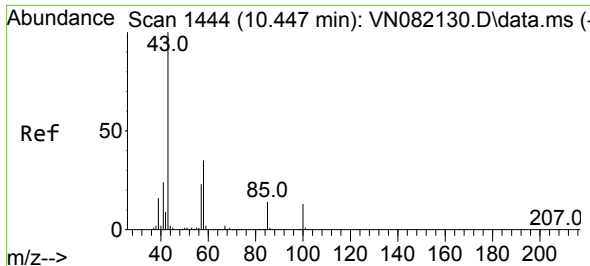
Tgt Ion: 98 Resp: 389358

Ion Ratio Lower Upper

98 100

100 64.0 51.8 77.6

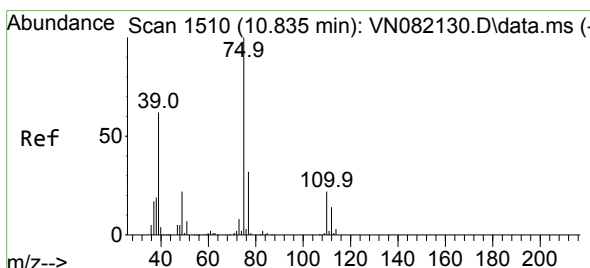
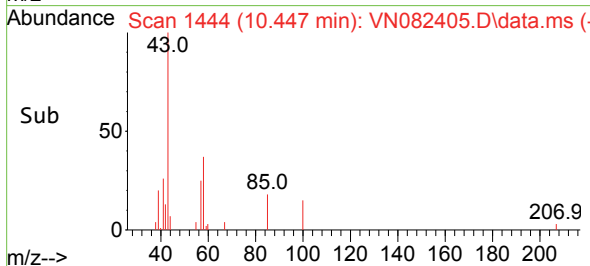
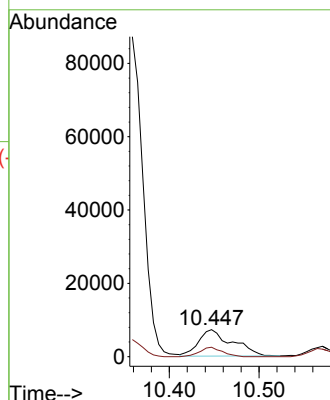
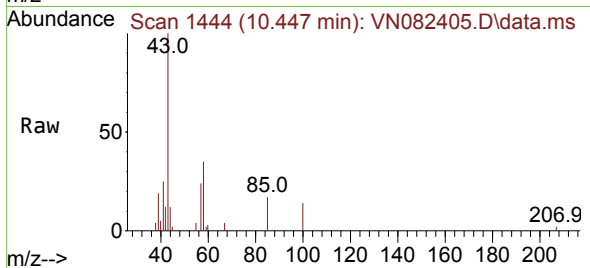




#51
4-Methyl-2-Pentanone
Concen: 5.527 ug/l
RT: 10.447 min Scan# 1444
Delta R.T. -0.000 min
Lab File: VN082405.D
Acq: 31 May 2024 13:58

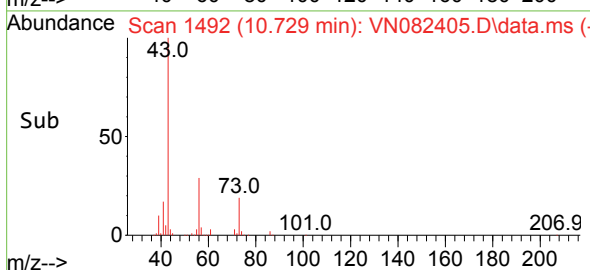
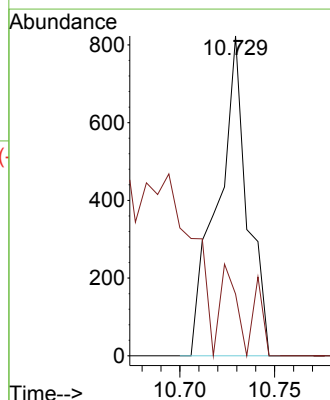
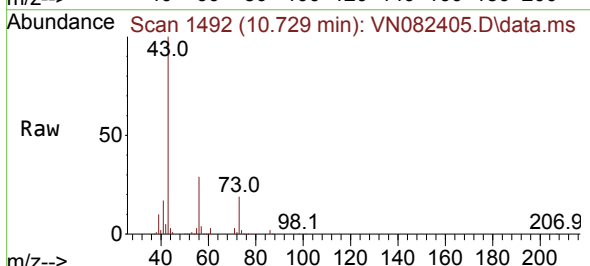
Instrument :
MSVOA_N
ClientSampleId :
PB161190ZHE#03

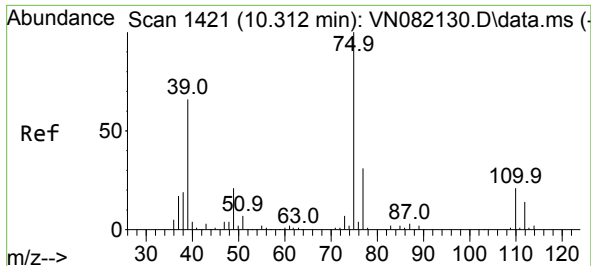
Tgt Ion: 43 Resp: 18847
Ion Ratio Lower Upper
43 100
58 23.8 33.2 49.8#



#53
t-1,3-Dichloropropene
Concen: 0.268 ug/l
RT: 10.729 min Scan# 1492
Delta R.T. -0.106 min
Lab File: VN082405.D
Acq: 31 May 2024 13:58

Tgt Ion: 75 Resp: 895
Ion Ratio Lower Upper
75 100
77 19.3 25.4 38.0#

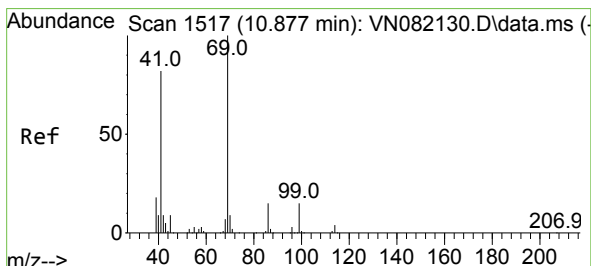
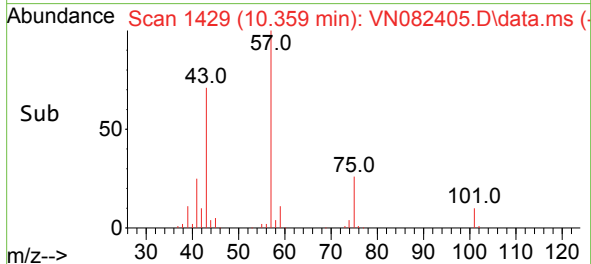
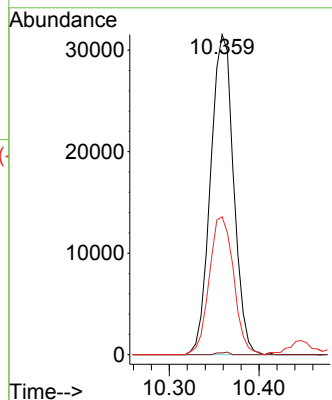
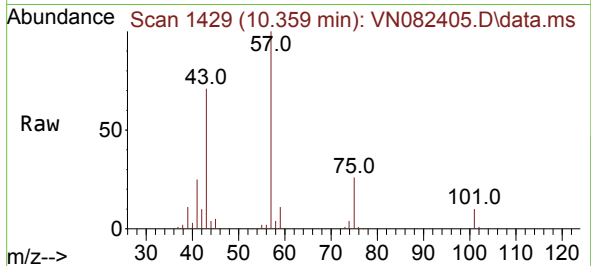




#54
 cis-1,3-Dichloropropene
 Concen: 15.898 ug/l
 RT: 10.359 min Scan# 1429
 Delta R.T. 0.047 min
 Lab File: VN082405.D
 Acq: 31 May 2024 13:58

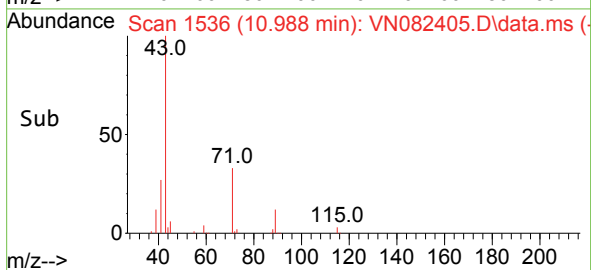
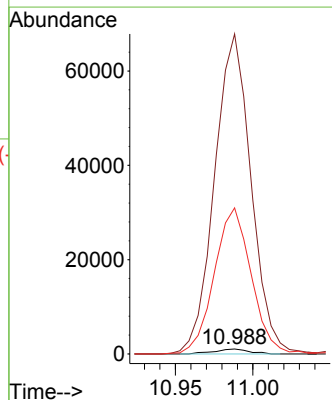
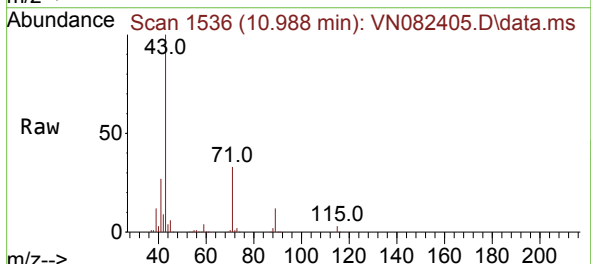
Instrument :
 MSVOA_N
 ClientSampleId :
 PB161190ZHE#03

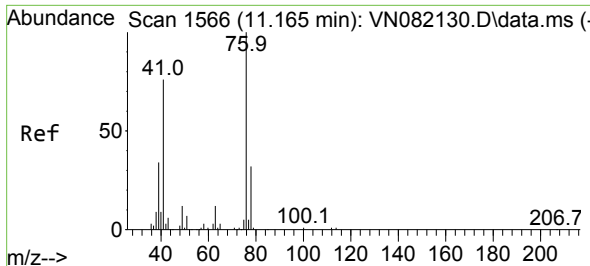
Tgt Ion: 75 Resp: 56171
 Ion Ratio Lower Upper
 75 100
 77 0.5 25.0 37.4#
 39 43.1 34.8 52.2



#56
 Ethyl methacrylate
 Concen: 0.487 ug/l
 RT: 10.988 min Scan# 1536
 Delta R.T. 0.112 min
 Lab File: VN082405.D
 Acq: 31 May 2024 13:58

Tgt Ion: 69 Resp: 1628
 Ion Ratio Lower Upper
 69 100
 41 6850.1 46.6 70.0#
 39 3165.0 26.5 39.7#





#57

1,3-Dichloropropane

Concen: 1.909 ug/l

RT: 11.206 min Scan# 1567

Delta R.T. 0.041 min

Lab File: VN082405.D

Acq: 31 May 2024 13:58

Instrument :

MSVOA_N

ClientSampleId :

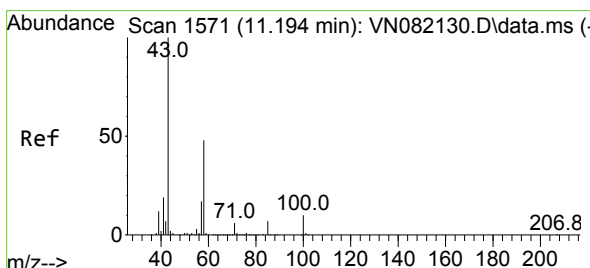
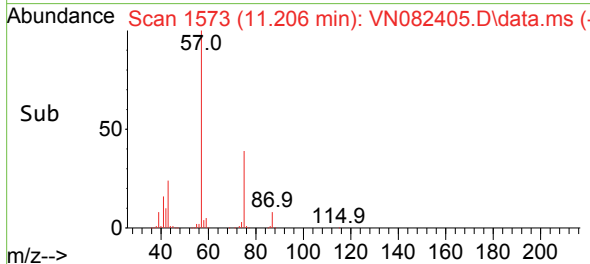
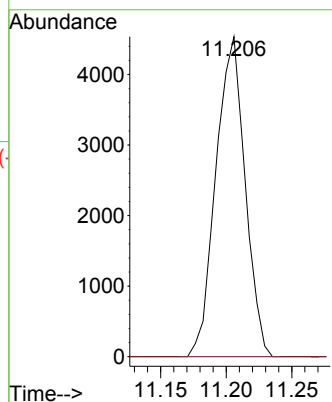
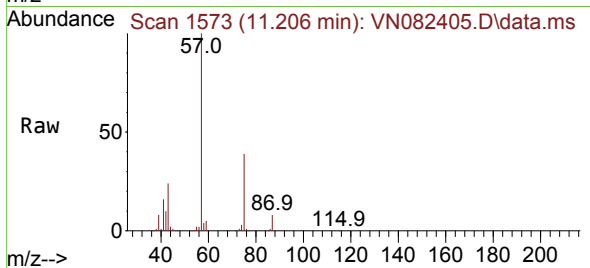
PB161190ZHE#03

Tgt Ion: 76 Resp: 7024

Ion Ratio Lower Upper

76 100

78 0.0 25.8 38.6#



#59

2-Hexanone

Concen: 65.289 ug/l

RT: 11.171 min Scan# 1567

Delta R.T. -0.024 min

Lab File: VN082405.D

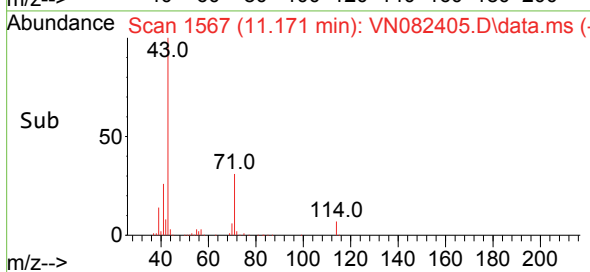
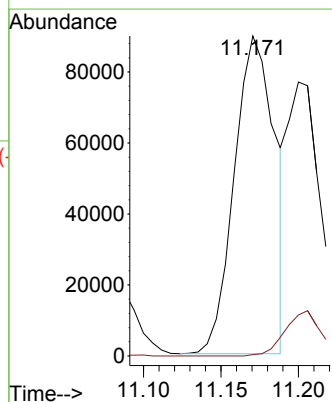
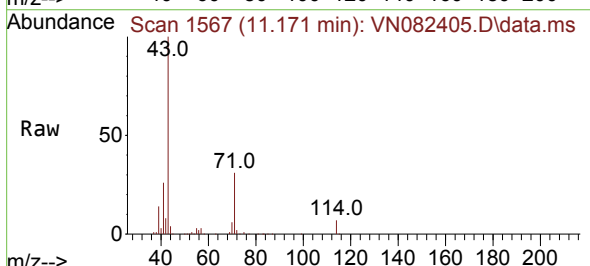
Acq: 31 May 2024 13:58

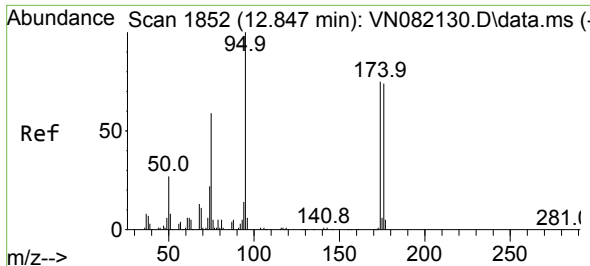
Tgt Ion: 43 Resp: 163010

Ion Ratio Lower Upper

43 100

58 0.0 28.3 84.9#

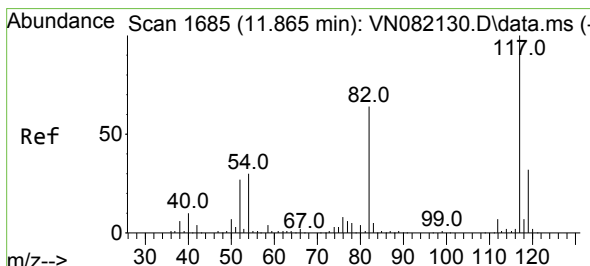
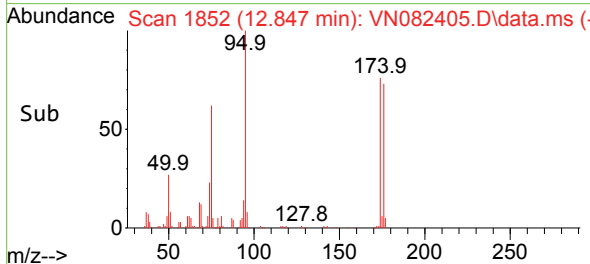
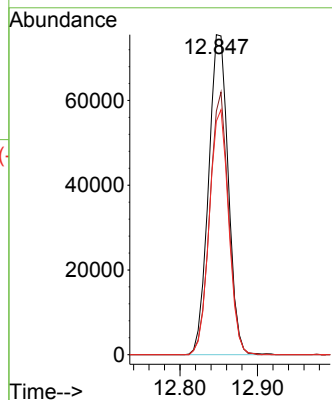
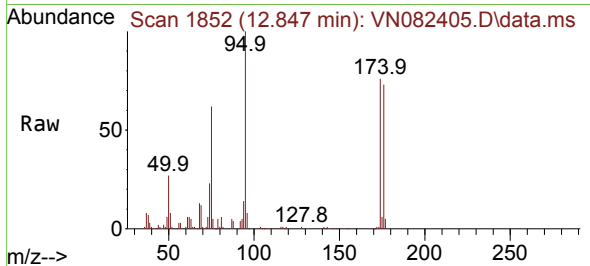




#62
4-Bromofluorobenzene
Concen: 53.949 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.000 min
Lab File: VN082405.D
Acq: 31 May 2024 13:58

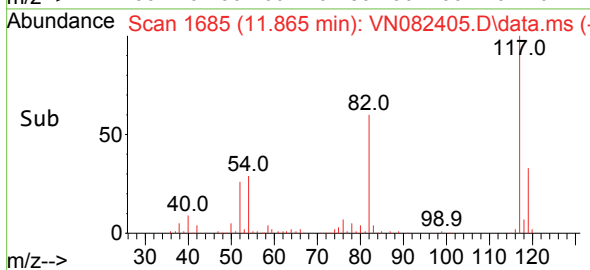
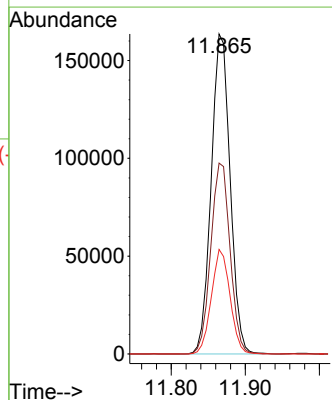
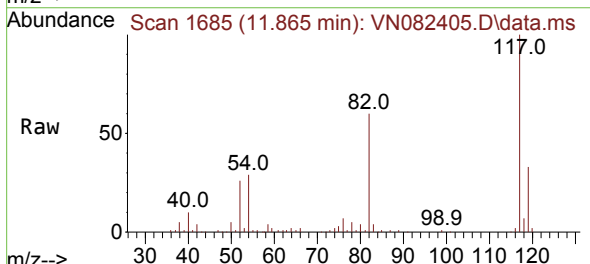
Instrument :
MSVOA_N
ClientSampleId :
PB161190ZHE#03

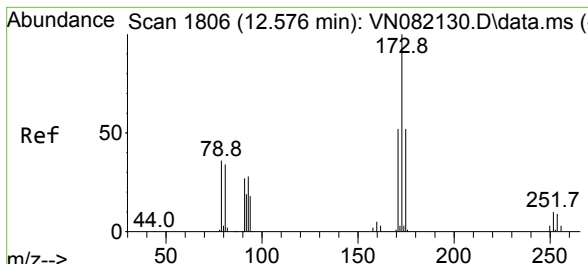
Tgt Ion: 95 Resp: 133220
Ion Ratio Lower Upper
95 100
174 78.3 0.0 160.6
176 75.0 0.0 152.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 1685
Delta R.T. -0.000 min
Lab File: VN082405.D
Acq: 31 May 2024 13:58

Tgt Ion: 117 Resp: 290009
Ion Ratio Lower Upper
117 100
82 59.6 44.6 66.8
119 32.6 25.9 38.9

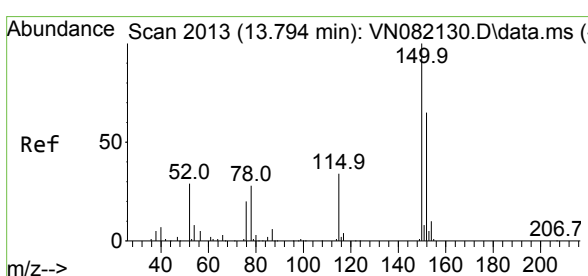
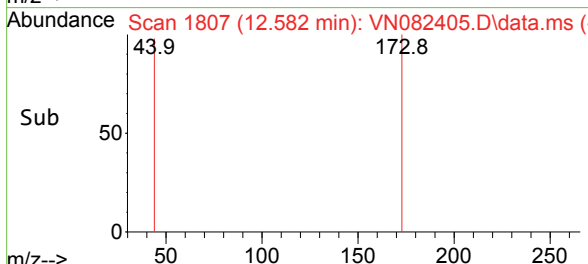
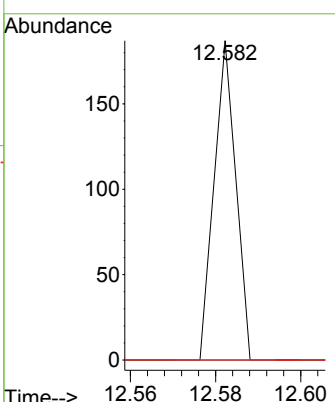
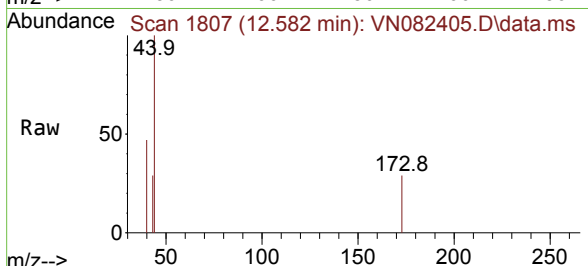




#71
 Bromoform
 Concen: 0.740 ug/l
 RT: 12.582 min Scan# 1807
 Delta R.T. 0.006 min
 Lab File: VN082405.D
 Acq: 31 May 2024 13:58

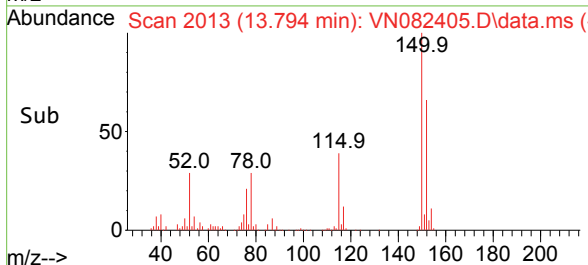
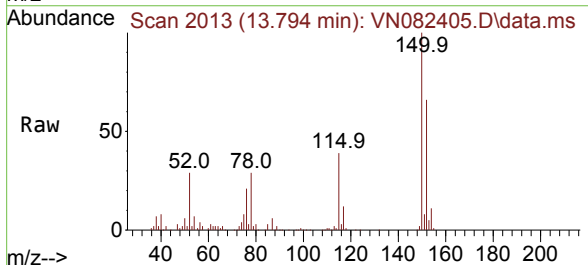
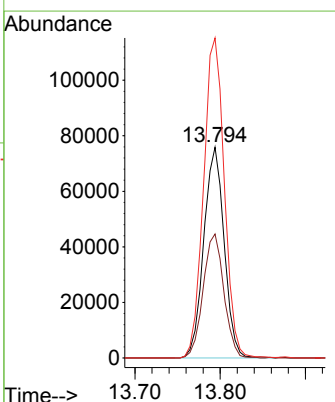
Instrument : MSVOA_N
 ClientSampleId : PB161190ZHE#03

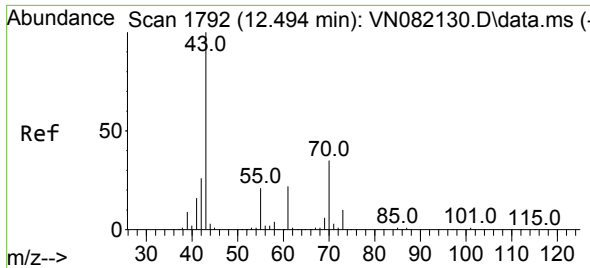
Tgt Ion:	173	Resp:	66
Ion Ratio	Lower	Upper	
173	100		
175	0.0	24.6	74.0#
254	0.0	0.0	0.0



#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.794 min Scan# 2013
 Delta R.T. -0.000 min
 Lab File: VN082405.D
 Acq: 31 May 2024 13:58

Tgt Ion:	152	Resp:	125945
Ion Ratio	Lower	Upper	
152	100		
115	59.8	30.4	91.3
150	154.6	0.0	353.2

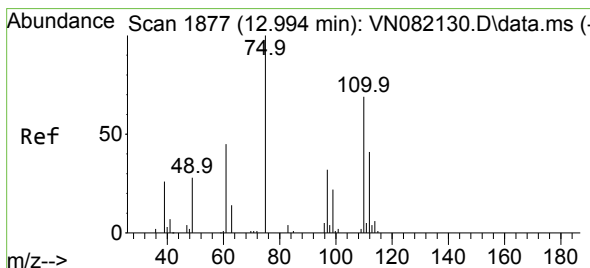
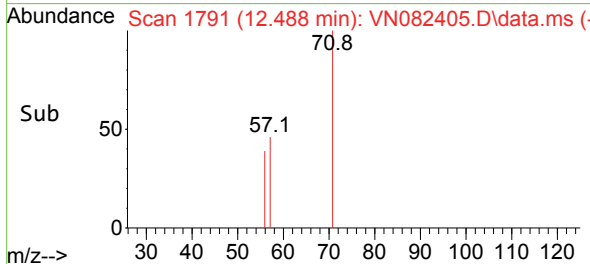
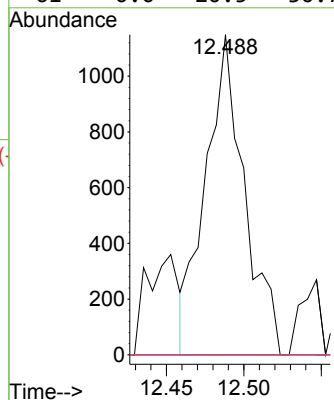
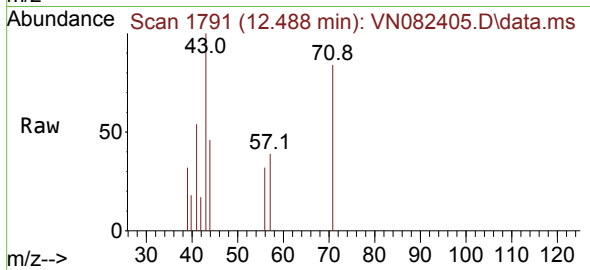




#74
N-amy1 acetate
Concen: 0.363 ug/l
RT: 12.488 min Scan# 1
Delta R.T. -0.006 min
Lab File: VN082405.D
Acq: 31 May 2024 13:58

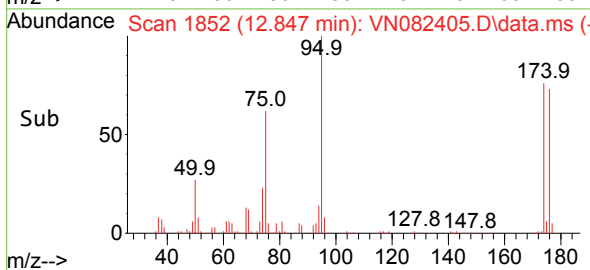
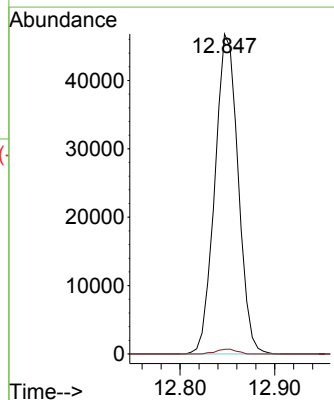
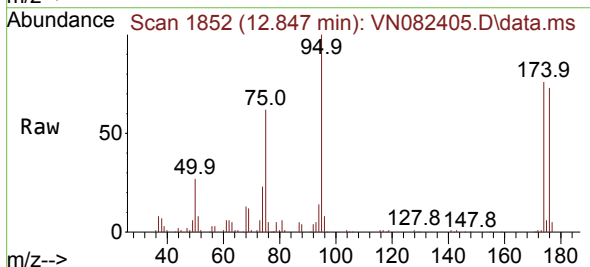
Instrument :
MSVOA_N
ClientSampleId :
PB161190ZHE#03

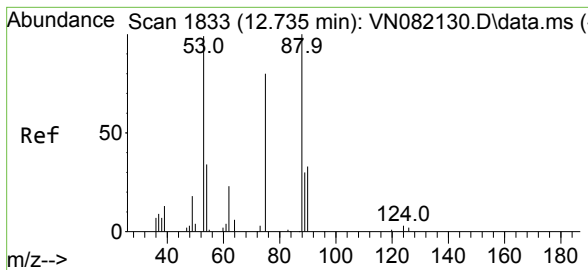
Tgt Ion:	43	Resp:	1999
Ion	Ratio	Lower	Upper
43	100		
70	0.0	39.0	58.4#
55	0.0	21.3	31.9#
61	0.0	20.5	30.7#



#76
1,2,3-Trichloropropane
Concen: 30.139 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.147 min
Lab File: VN082405.D
Acq: 31 May 2024 13:58

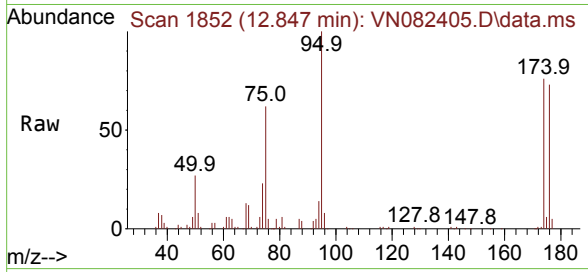
Tgt Ion:	75	Resp:	79895
Ion	Ratio	Lower	Upper
75	100		
77	1.3	90.5	271.3#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 70.495 ug/l
 RT: 12.847 min Scan# 11
 Delta R.T. 0.112 min
 Lab File: VN082405.D
 Acq: 31 May 2024 13:58

Instrument :
 MSVOA_N
 ClientSampleId :
 PB161190ZHE#03



Tgt Ion: 75 Resp: 79895
 Ion Ratio Lower Upper
 75 100
 53 0.0 72.9 109.3#
 89 0.0 39.1 58.7#

