

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN051724\
 Data File : VN082188.D
 Acq On : 17 May 2024 18:58
 Operator : JC\MD
 Sample : PB160967ZHE#06
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 PB160967ZHE#06

Quant Time: May 17 23:15:36 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

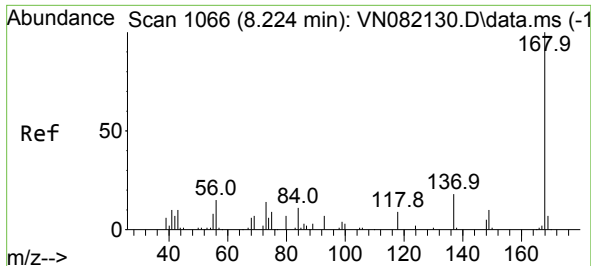
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Pentafluorobenzene	8.224	168	171683	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	308827	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	294198	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	119921	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.577	65	144205	53.194	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 106.380%			
35) Dibromofluoromethane	8.171	113	100904	53.114	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 106.220%			
50) Toluene-d8	10.571	98	399905	54.905	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 109.820%			
62) 4-Bromofluorobenzene	12.853	95	130238	50.098	ug/l	0.00
Spiked Amount 50.000	Range 64 - 133		Recovery = 100.200%			
Target Compounds						
					Qvalue	
16) Acetone	4.436	43	17137	15.410	ug/l	89
18) Methyl Acetate	5.047	43	2665	0.962	ug/l #	72
20) Methylene Chloride	5.271	84	6922	3.085	ug/l #	75
25) 2-Butanone	7.488	43	1657	0.983	ug/l #	43
29) Tetrahydrofuran	7.835	42	348	0.321	ug/l #	29
31) Cyclohexane	8.224	56	5125	1.184	ug/l #	14
36) 1,1-Dichloropropene	8.230	75	15991	5.019	ug/l #	49
37) Ethyl Acetate	7.559	43	4176	1.171	ug/l #	87
38) Carbon Tetrachloride	8.230	117	19293	5.973	ug/l #	17
42) 1,2-Dichloroethane	8.671	62	1005	0.275	ug/l #	73
43) Isopropyl Acetate	8.688	43	293567	46.463	ug/l #	70
45) 1,2-Dichloropropane	9.735	63	1343	0.548	ug/l #	45
48) Methyl methacrylate	9.741	41	148852	49.442	ug/l #	37
51) 4-Methyl-2-Pentanone	10.359	43	130356	36.313	ug/l #	43
53) t-1,3-Dichloropropene	10.729	75	795	0.226	ug/l	92
54) cis-1,3-Dichloropropene	10.359	75	49483	13.303	ug/l #	74
56) Ethyl methacrylate	10.982	69	1369	0.389	ug/l #	1
57) 1,3-Dichloropropane	11.200	76	6690	1.727	ug/l #	42
59) 2-Hexanone	11.200	43	104138	39.619	ug/l #	47
71) Bromoform	12.847	173	1099	1.337	ug/l #	28
74) N-amyl acetate	12.482	43	1492	0.285	ug/l #	41
76) 1,2,3-Trichloropropane	12.847	75	79378	31.449	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.847	75	79378	73.557	ug/l #	12

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

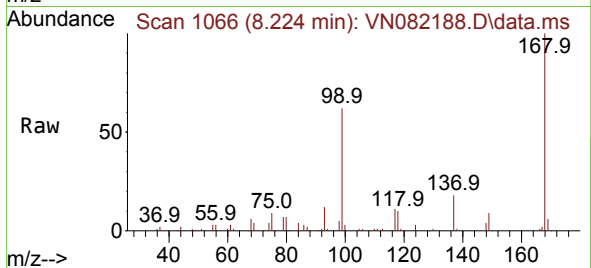
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Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N051524W.M
Quant Title : SW846 8260
QLast Update : Thu May 16 05:21:06 2024
Response via : Initial Calibration



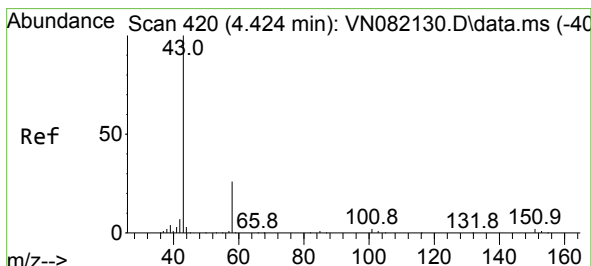
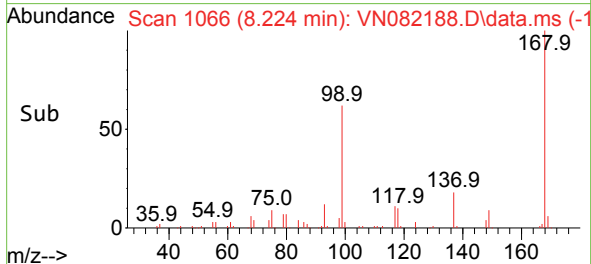
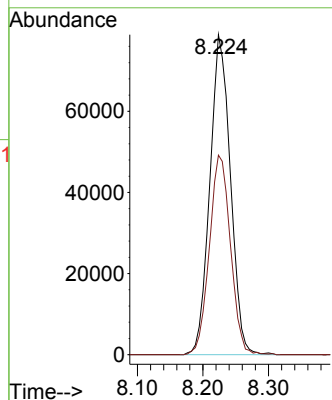


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. -0.000 min
Lab File: VN082188.D
Acq: 17 May 2024 18:58

Instrument :
MSVOA_N
ClientSampleId :
PB160967ZHE#06

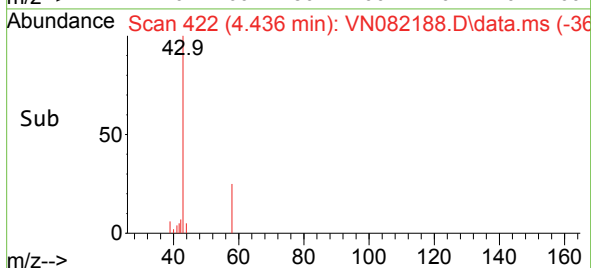
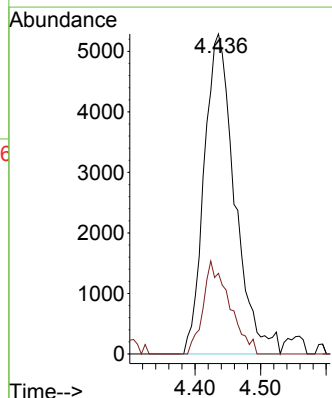
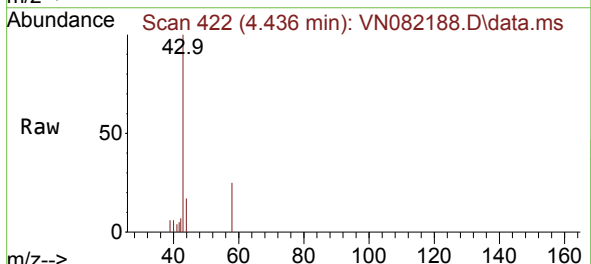


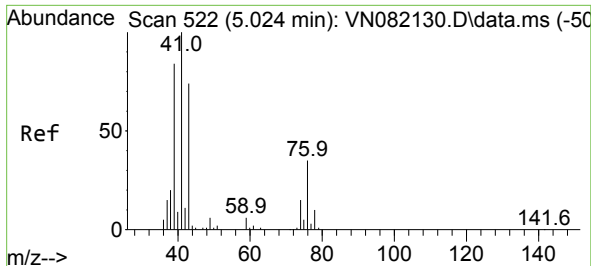
Tgt Ion:168 Resp: 171683
Ion Ratio Lower Upper
168 100
99 62.3 48.2 72.4



#16
Acetone
Concen: 15.410 ug/l
RT: 4.436 min Scan# 422
Delta R.T. 0.012 min
Lab File: VN082188.D
Acq: 17 May 2024 18:58

Tgt Ion: 43 Resp: 17137
Ion Ratio Lower Upper
43 100
58 25.2 25.2 37.8

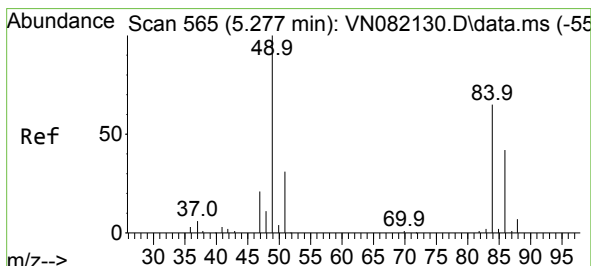
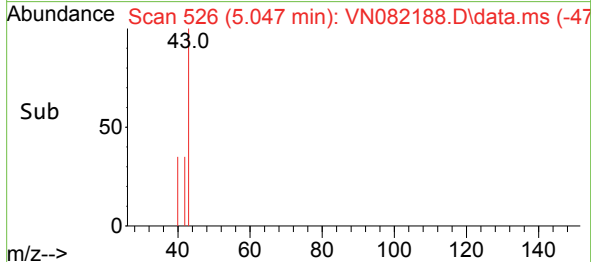
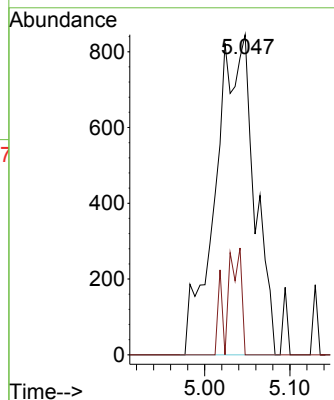
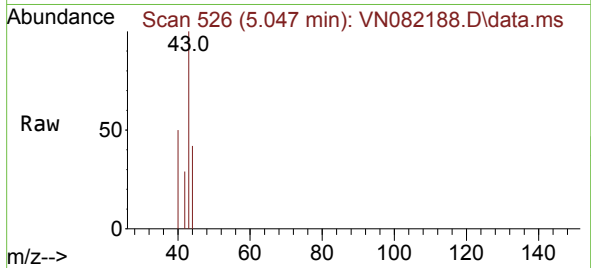




#18
Methyl Acetate
Concen: 0.962 ug/l
RT: 5.047 min Scan# 51
Delta R.T. 0.023 min
Lab File: VN082188.D
Acq: 17 May 2024 18:58

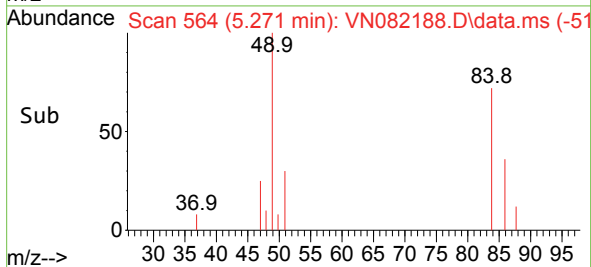
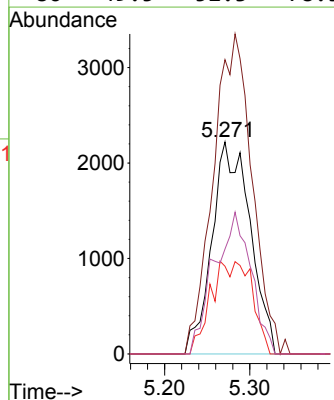
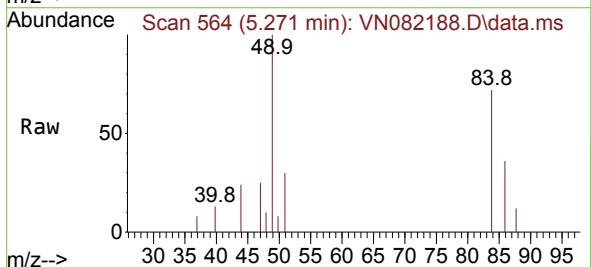
Instrument :
MSVOA_N
ClientSampleId :
PB160967ZHE#06

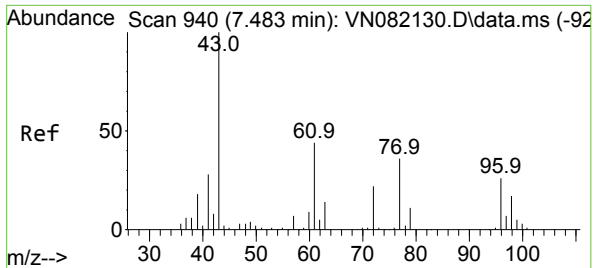
Tgt Ion: 43 Resp: 2665
Ion Ratio Lower Upper
43 100
74 12.9 22.2 33.2#



#20
Methylene Chloride
Concen: 3.085 ug/l
RT: 5.271 min Scan# 564
Delta R.T. -0.006 min
Lab File: VN082188.D
Acq: 17 May 2024 18:58

Tgt Ion: 84 Resp: 6922
Ion Ratio Lower Upper
84 100
49 138.8 84.9 127.3#
51 41.3 27.0 40.6#
86 49.5 52.3 78.5#

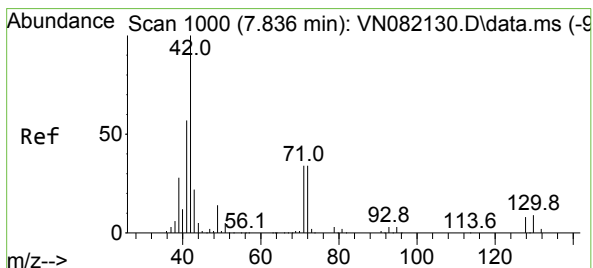
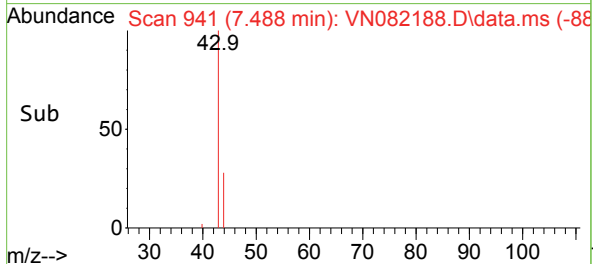
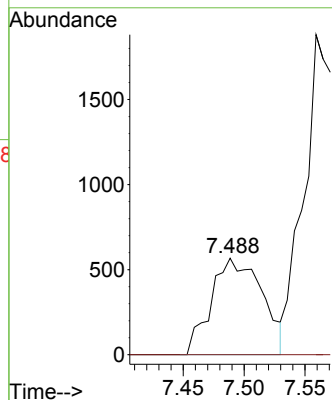
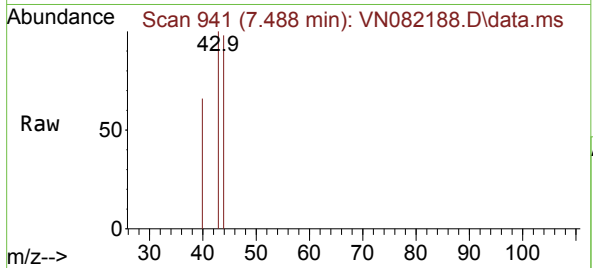




#25
2-Butanone
Concen: 0.983 ug/l
RT: 7.488 min Scan# 941
Delta R.T. 0.006 min
Lab File: VN082188.D
Acq: 17 May 2024 18:58

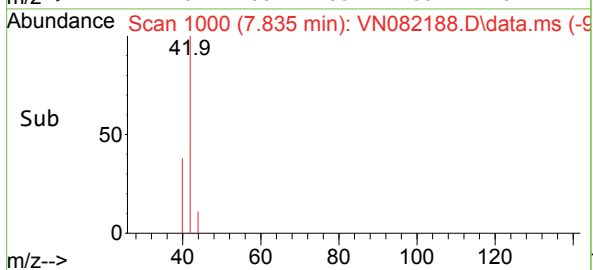
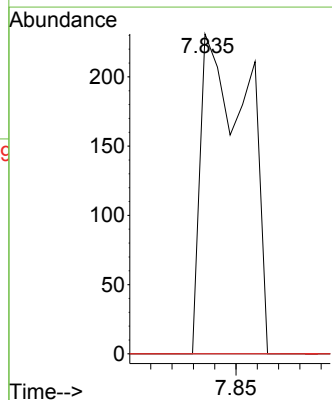
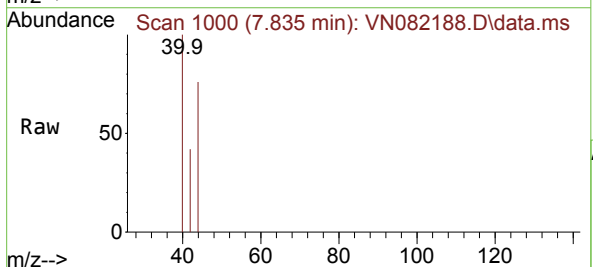
Instrument :
MSVOA_N
ClientSampleId :
PB160967ZHE#06

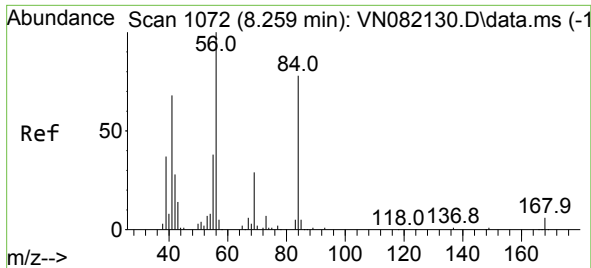
Tgt Ion: 43 Resp: 1657
Ion Ratio Lower Upper
43 100
72 0.0 25.3 37.9#



#29
Tetrahydrofuran
Concen: 0.321 ug/l
RT: 7.835 min Scan# 1000
Delta R.T. -0.001 min
Lab File: VN082188.D
Acq: 17 May 2024 18:58

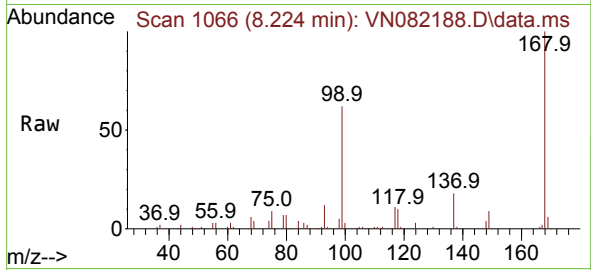
Tgt Ion: 42 Resp: 348
Ion Ratio Lower Upper
42 100
72 0.0 39.3 58.9#
71 0.0 37.4 56.0#



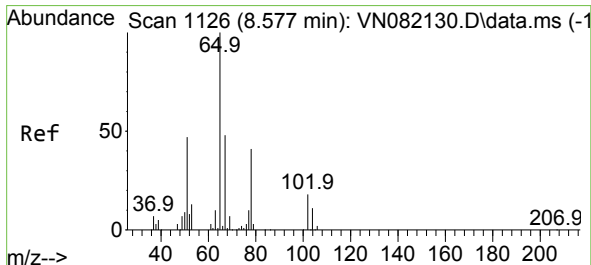
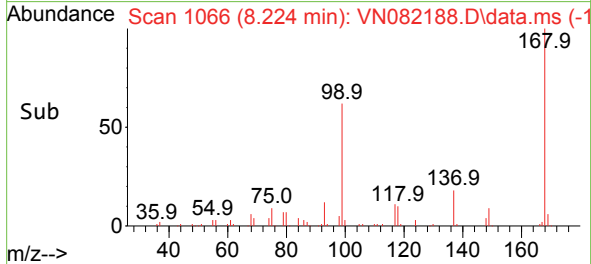
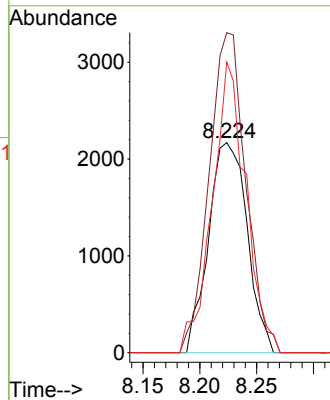


#31
Cyclohexane
Concen: 1.184 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. -0.035 min
Lab File: VN082188.D
Acq: 17 May 2024 18:58

Instrument :
MSVOA_N
ClientSampleId :
PB160967ZHE#06

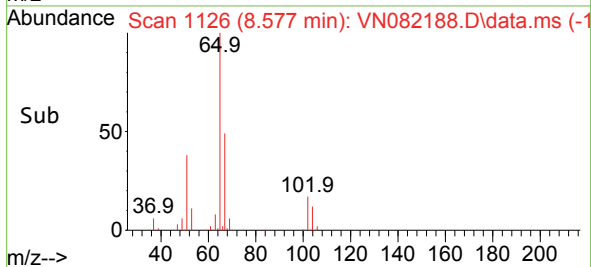
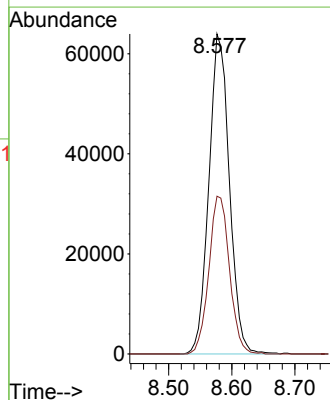
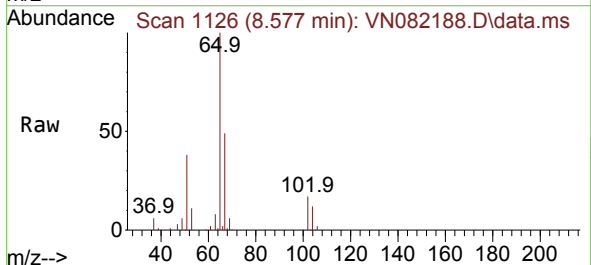


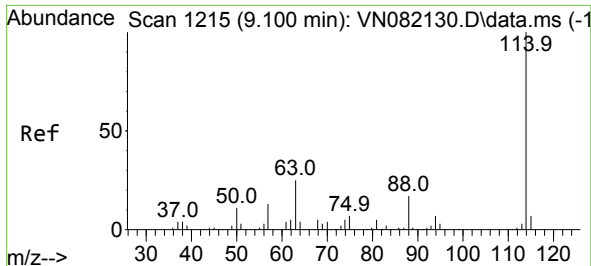
Tgt Ion: 56 Resp: 5125
Ion Ratio Lower Upper
56 100
69 152.3 24.4 36.6#
84 138.4 77.0 115.4#



#33
1,2-Dichloroethane-d4
Concen: 53.194 ug/l
RT: 8.577 min Scan# 1126
Delta R.T. -0.000 min
Lab File: VN082188.D
Acq: 17 May 2024 18:58

Tgt Ion: 65 Resp: 144205
Ion Ratio Lower Upper
65 100
67 49.6 0.0 103.0





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.106 min Scan# 11

Delta R.T. 0.006 min

Lab File: VN082188.D

Acq: 17 May 2024 18:58

Instrument :

MSVOA_N

ClientSampleId :

PB160967ZHE#06

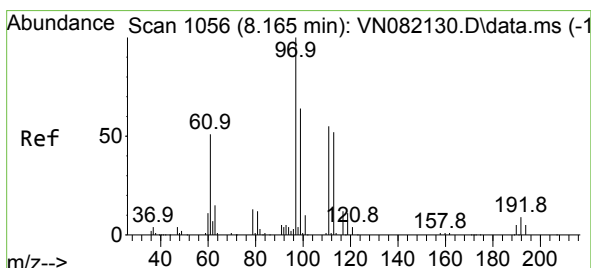
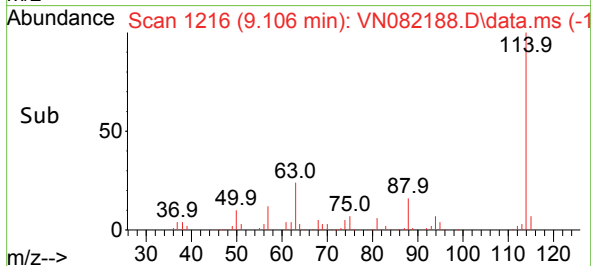
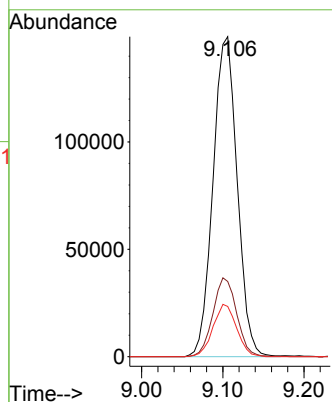
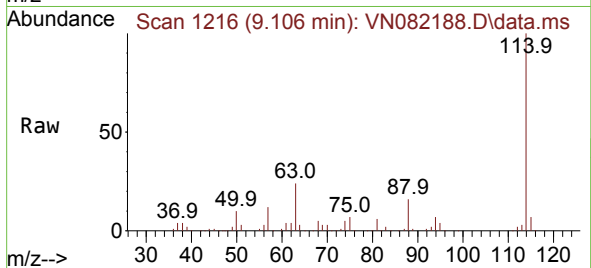
Tgt Ion:114 Resp: 308827

Ion Ratio Lower Upper

114 100

63 23.5 0.0 41.0

88 15.7 0.0 31.4



#35

Dibromofluoromethane

Concen: 53.114 ug/l

RT: 8.171 min Scan# 1057

Delta R.T. 0.006 min

Lab File: VN082188.D

Acq: 17 May 2024 18:58

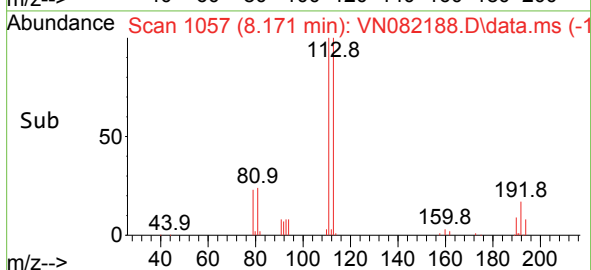
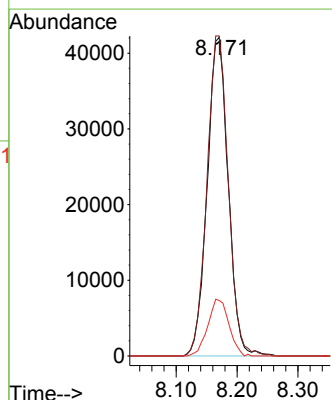
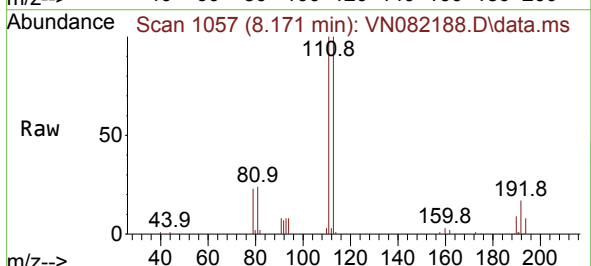
Tgt Ion:113 Resp: 100904

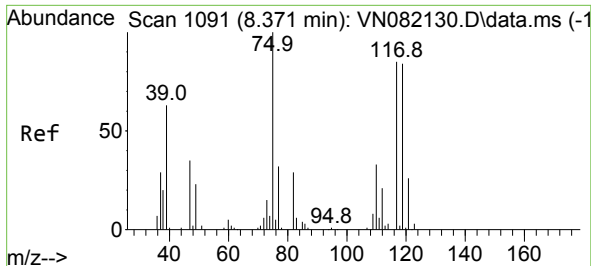
Ion Ratio Lower Upper

113 100

111 101.9 83.4 125.2

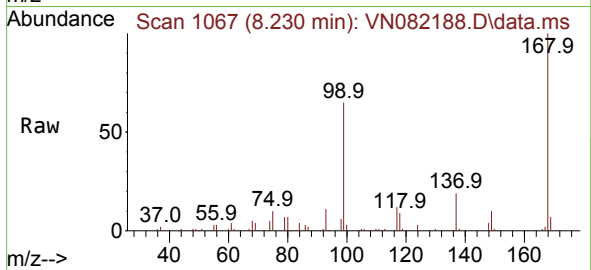
192 17.9 14.0 21.0



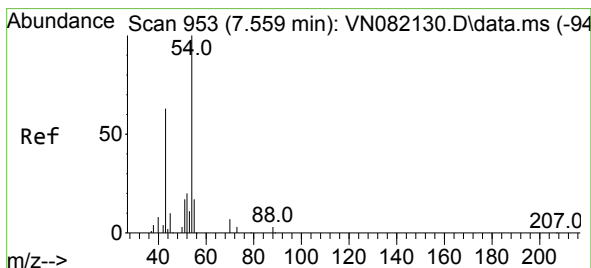
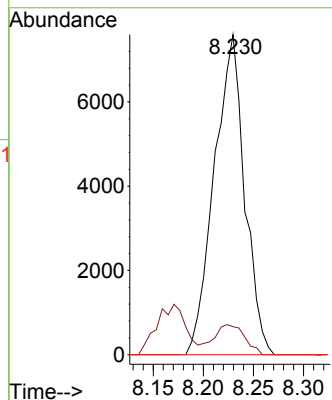
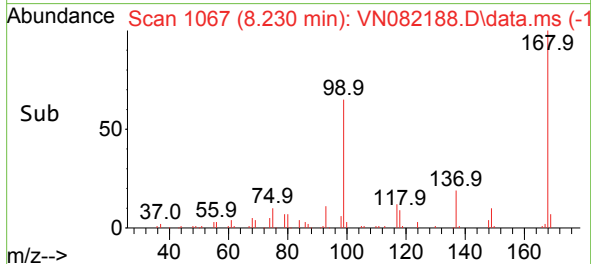


#36
1,1-Dichloropropene
Concen: 5.019 ug/l
RT: 8.230 min Scan# 1067
Delta R.T. -0.141 min
Lab File: VN082188.D
Acq: 17 May 2024 18:58

Instrument :
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PB160967ZHE#06

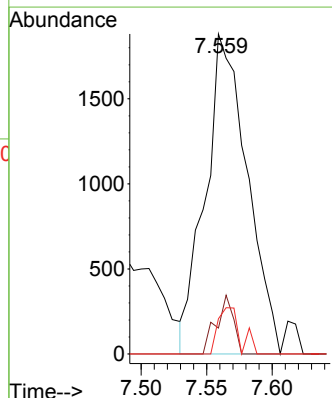
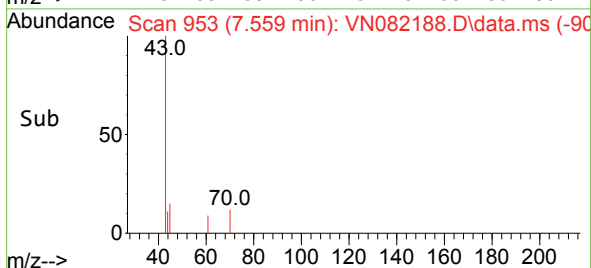
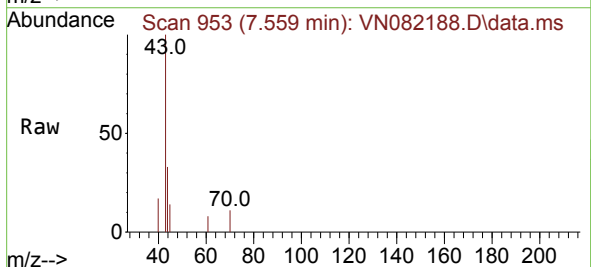


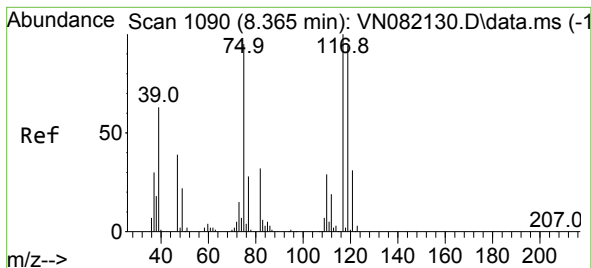
Tgt Ion: 75 Resp: 15991
Ion Ratio Lower Upper
75 100
110 9.2 17.8 53.5#
77 0.0 25.0 37.4#



#37
Ethyl Acetate
Concen: 1.171 ug/l
RT: 7.559 min Scan# 953
Delta R.T. -0.000 min
Lab File: VN082188.D
Acq: 17 May 2024 18:58

Tgt Ion: 43 Resp: 4176
Ion Ratio Lower Upper
43 100
61 7.5 11.3 16.9#
70 7.6 8.7 13.1#





#38

Carbon Tetrachloride

Concen: 5.973 ug/l

RT: 8.230 min Scan# 1107

Delta R.T. -0.135 min

Lab File: VN082188.D

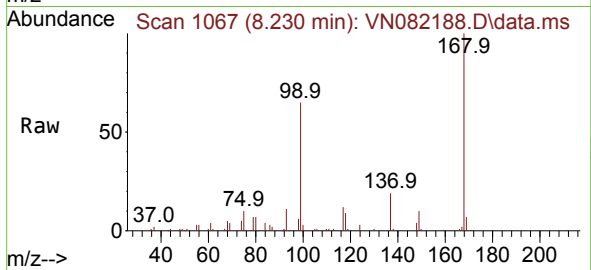
Acq: 17 May 2024 18:58

Instrument :

MSVOA_N

ClientSampleId :

PB160967ZHE#06



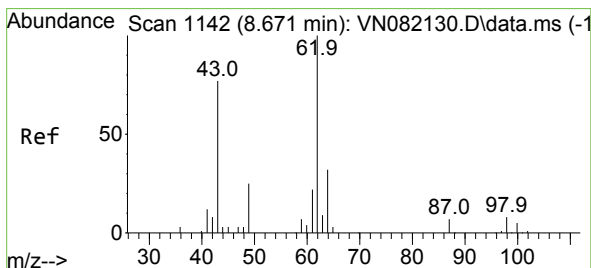
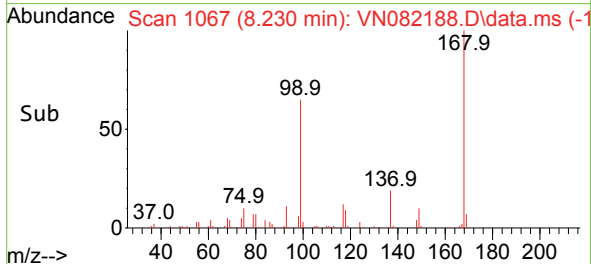
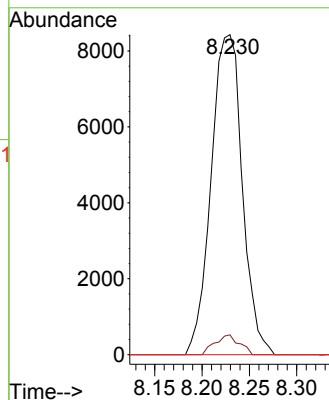
Tgt Ion:117 Resp: 19293

Ion Ratio Lower Upper

117 100

119 6.2 76.5 114.7#

121 0.0 23.9 35.9#



#42

1,2-Dichloroethane

Concen: 0.275 ug/l

RT: 8.671 min Scan# 1142

Delta R.T. -0.000 min

Lab File: VN082188.D

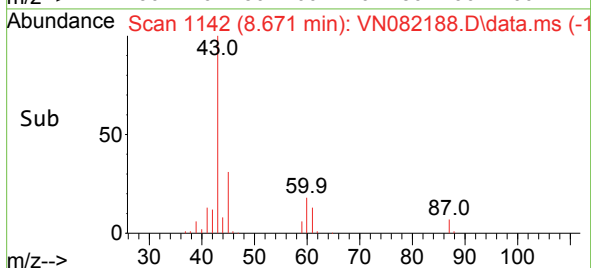
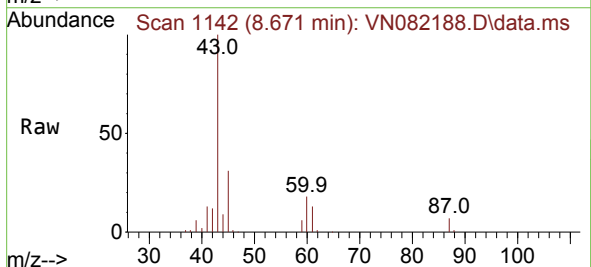
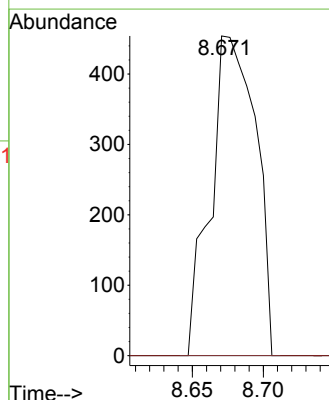
Acq: 17 May 2024 18:58

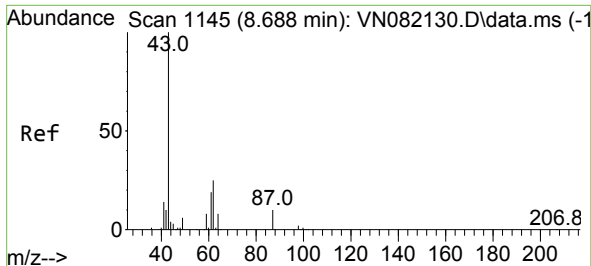
Tgt Ion: 62 Resp: 1005

Ion Ratio Lower Upper

62 100

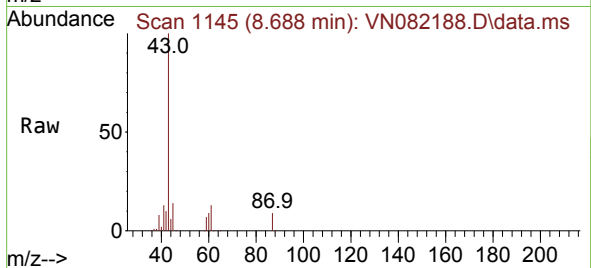
98 0.0 0.0 19.6



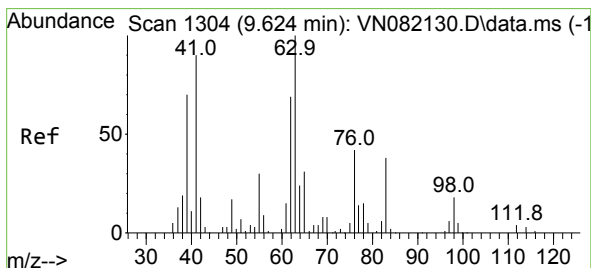
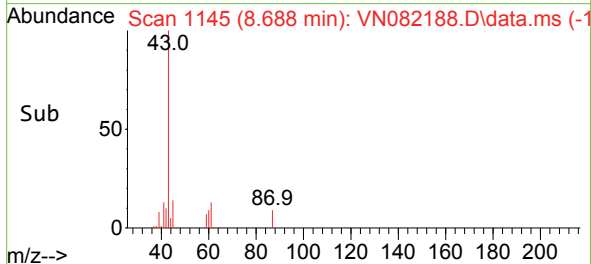
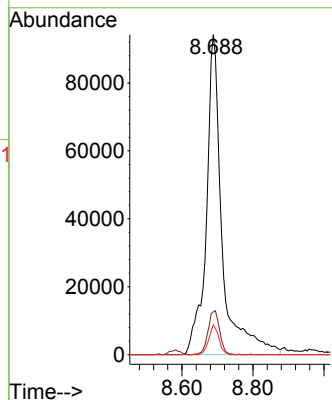


#43
Isopropyl Acetate
Concen: 46.463 ug/l
RT: 8.688 min Scan# 1145
Delta R.T. -0.000 min
Lab File: VN082188.D
Acq: 17 May 2024 18:58

Instrument :
MSVOA_N
ClientSampleId :
PB160967ZHE#06

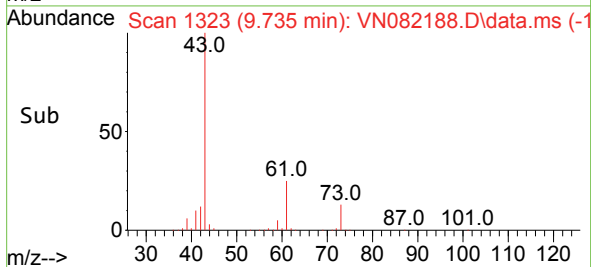
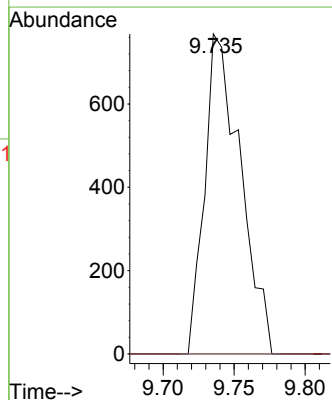
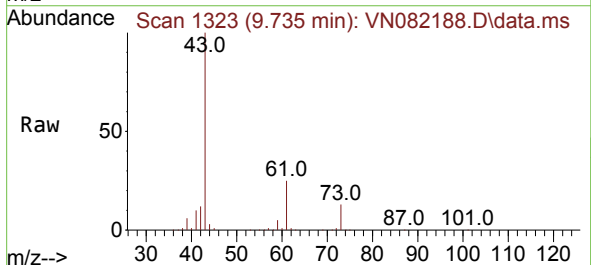


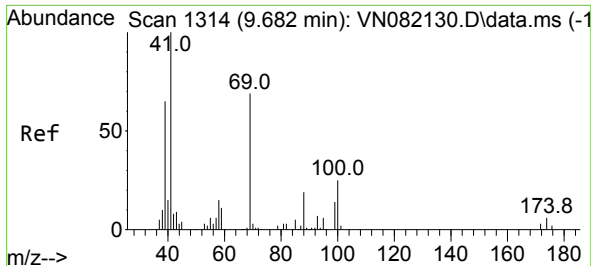
Tgt Ion: 43 Resp: 293567
Ion Ratio Lower Upper
43 100
61 10.1 22.8 34.2#
87 5.9 12.0 18.0#



#45
1,2-Dichloropropane
Concen: 0.548 ug/l
RT: 9.735 min Scan# 1323
Delta R.T. 0.112 min
Lab File: VN082188.D
Acq: 17 May 2024 18:58

Tgt Ion: 63 Resp: 1343
Ion Ratio Lower Upper
63 100
65 0.0 24.1 36.1#

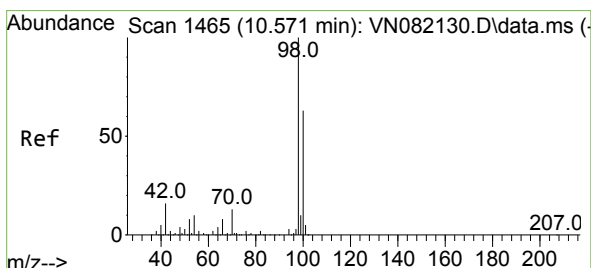
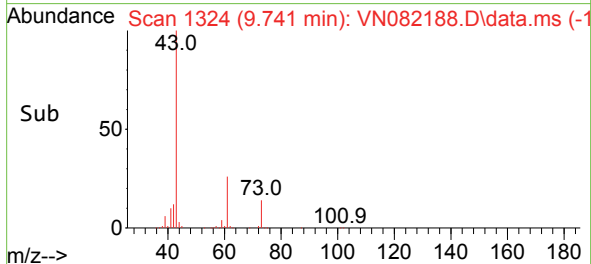
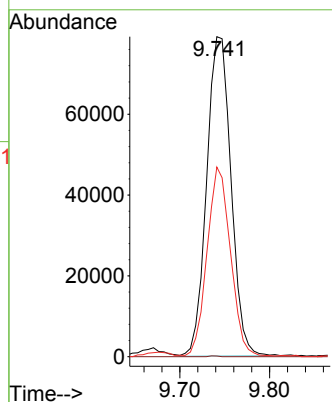
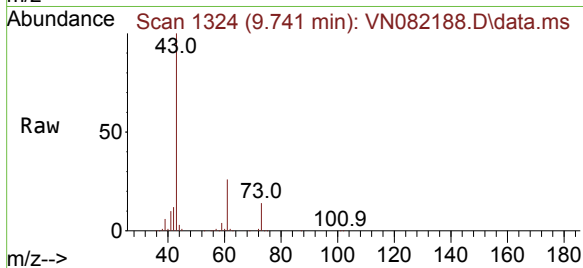




#48
Methyl methacrylate
Concen: 49.442 ug/l
RT: 9.741 min Scan# 11
Delta R.T. 0.059 min
Lab File: VN082188.D
Acq: 17 May 2024 18:58

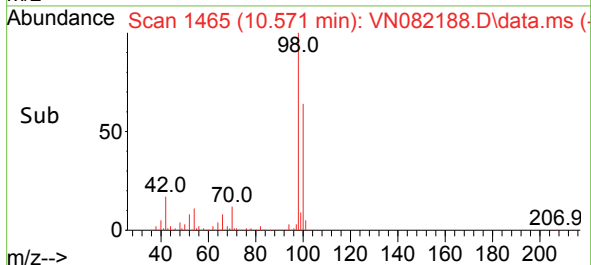
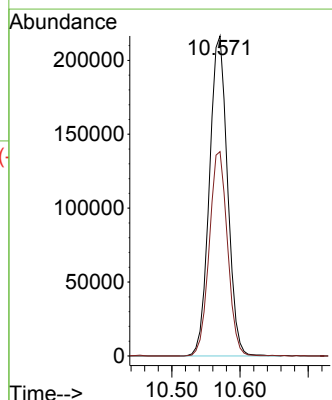
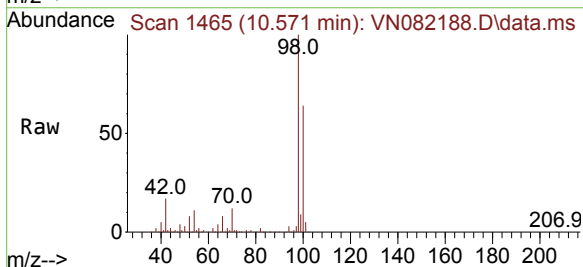
Instrument :
MSVOA_N
ClientSampleId :
PB160967ZHE#06

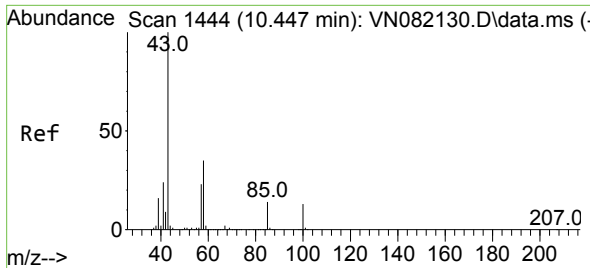
Tgt Ion: 41 Resp: 148852
Ion Ratio Lower Upper
41 100
69 0.1 77.9 116.9#
39 56.8 50.9 76.3



#50
Toluene-d8
Concen: 54.905 ug/l
RT: 10.571 min Scan# 1465
Delta R.T. -0.000 min
Lab File: VN082188.D
Acq: 17 May 2024 18:58

Tgt Ion: 98 Resp: 399905
Ion Ratio Lower Upper
98 100
100 64.2 51.8 77.6

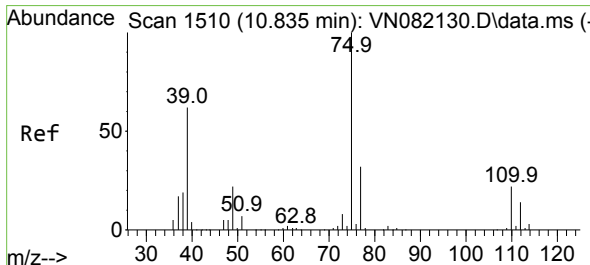
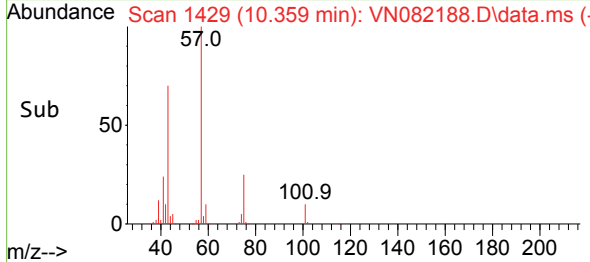
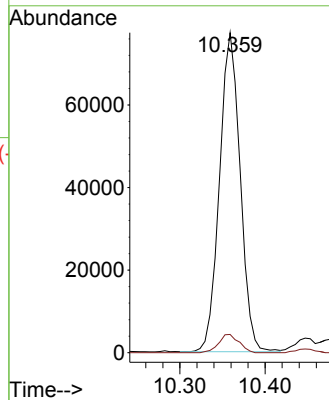
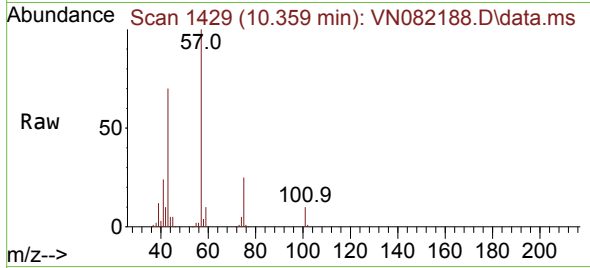




#51
4-Methyl-2-Pentanone
Concen: 36.313 ug/l
RT: 10.359 min Scan# 1429
Delta R.T. -0.088 min
Lab File: VN082188.D
Acq: 17 May 2024 18:58

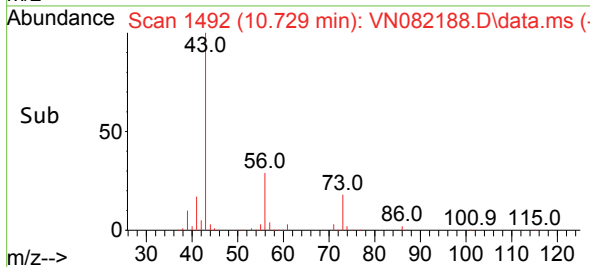
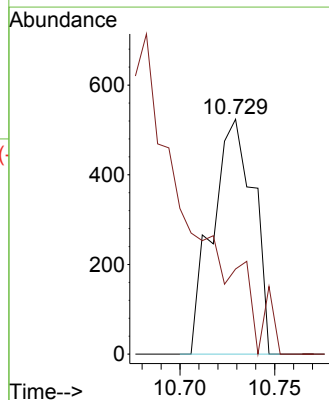
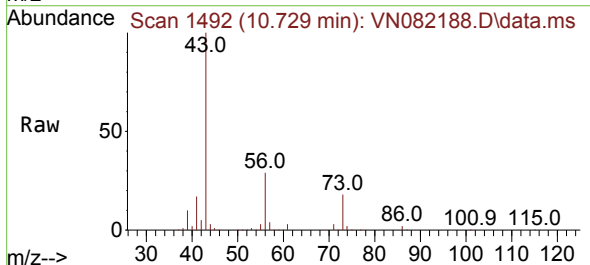
Instrument :
MSVOA_N
ClientSampleId :
PB160967ZHE#06

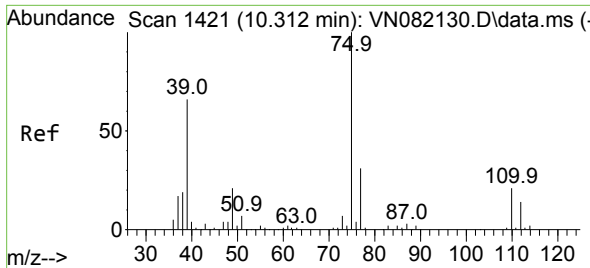
Tgt Ion: 43 Resp: 130356
Ion Ratio Lower Upper
43 100
58 5.6 33.2 49.8#



#53
t-1,3-Dichloropropene
Concen: 0.226 ug/l
RT: 10.729 min Scan# 1492
Delta R.T. -0.106 min
Lab File: VN082188.D
Acq: 17 May 2024 18:58

Tgt Ion: 75 Resp: 795
Ion Ratio Lower Upper
75 100
77 36.3 25.4 38.0

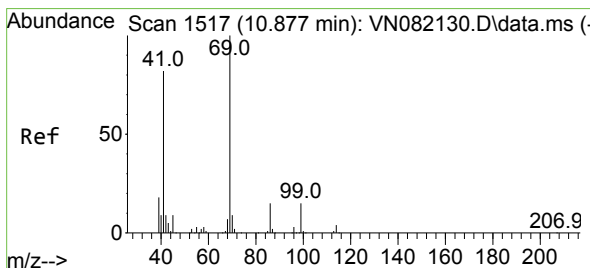
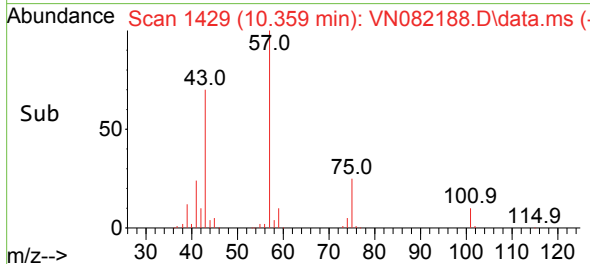
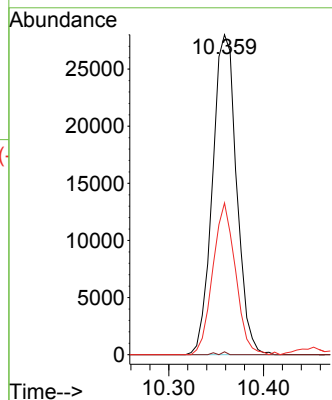
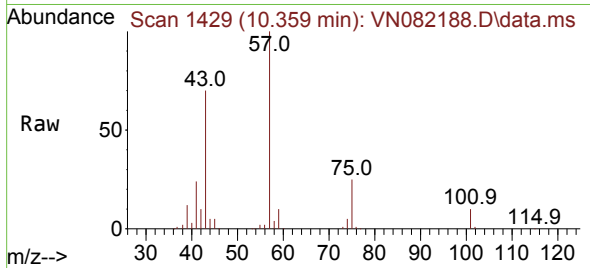




#54
 cis-1,3-Dichloropropene
 Concen: 13.303 ug/l
 RT: 10.359 min Scan# 1429
 Delta R.T. 0.047 min
 Lab File: VN082188.D
 Acq: 17 May 2024 18:58

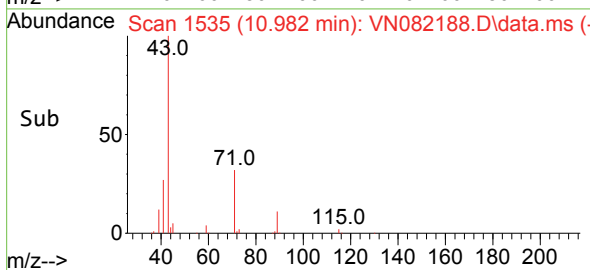
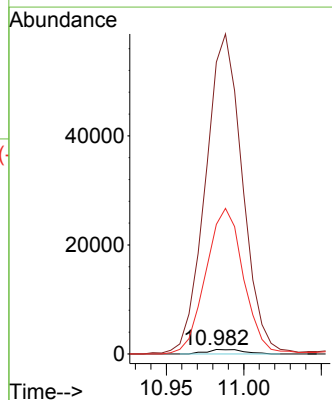
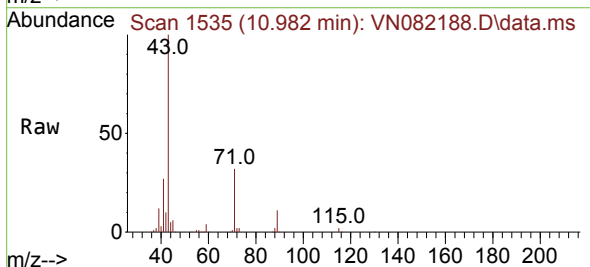
Instrument :
 MSVOA_N
 ClientSampleId :
 PB160967ZHE#06

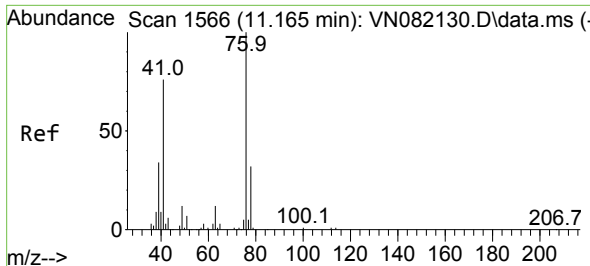
Tgt Ion: 75 Resp: 49483
 Ion Ratio Lower Upper
 75 100
 77 0.9 25.0 37.4#
 39 47.4 34.8 52.2



#56
 Ethyl methacrylate
 Concen: 0.389 ug/l
 RT: 10.982 min Scan# 1535
 Delta R.T. 0.106 min
 Lab File: VN082188.D
 Acq: 17 May 2024 18:58

Tgt Ion: 69 Resp: 1369
 Ion Ratio Lower Upper
 69 100
 41 7145.4 46.6 70.0#
 39 3322.4 26.5 39.7#





#57

1,3-Dichloropropane

Concen: 1.727 ug/l

RT: 11.200 min Scan# 1572

Delta R.T. 0.035 min

Lab File: VN082188.D

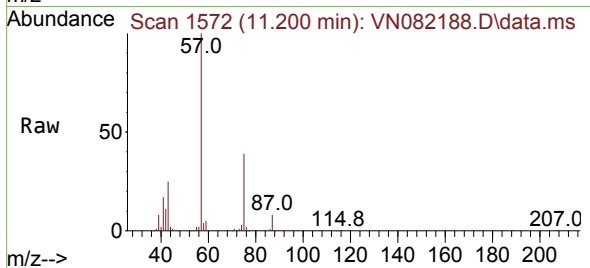
Acq: 17 May 2024 18:58

Instrument :

MSVOA_N

ClientSampleId :

PB160967ZHE#06

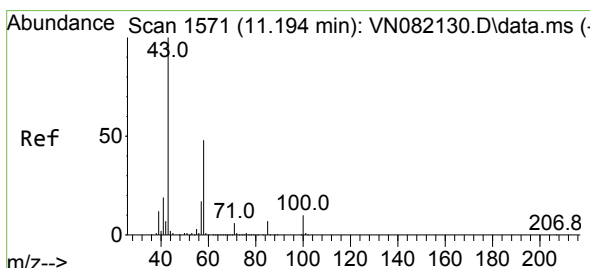
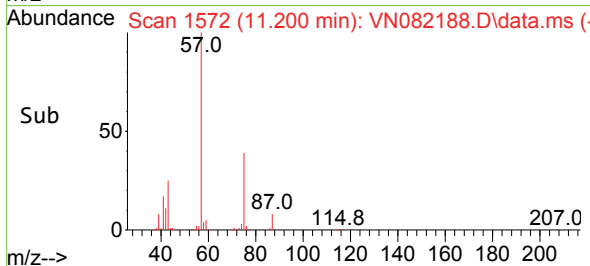
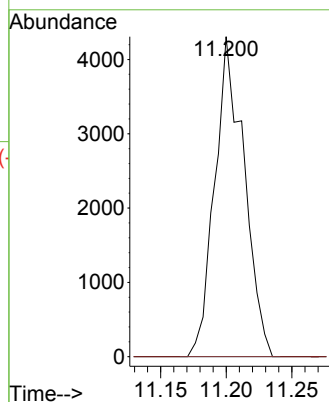


Tgt Ion: 76 Resp: 6690

Ion Ratio Lower Upper

76 100

78 0.0 25.8 38.6#



#59

2-Hexanone

Concen: 39.619 ug/l

RT: 11.200 min Scan# 1572

Delta R.T. 0.006 min

Lab File: VN082188.D

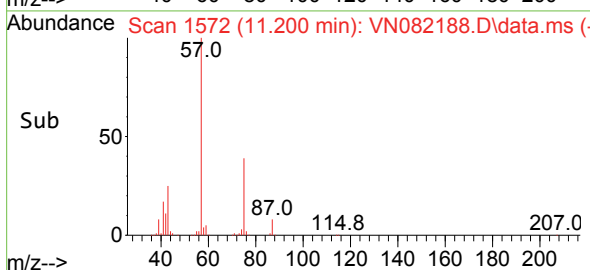
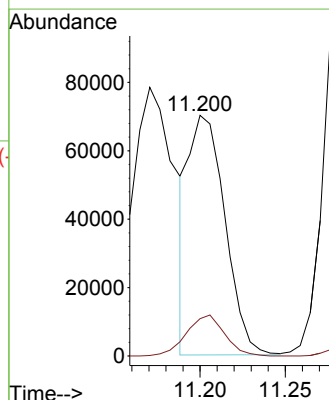
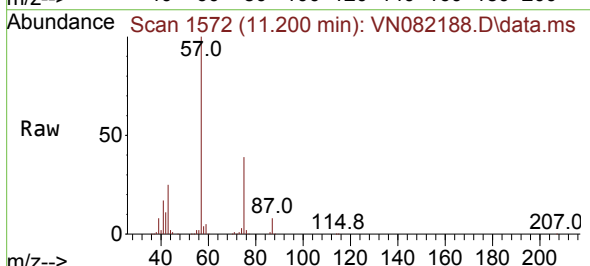
Acq: 17 May 2024 18:58

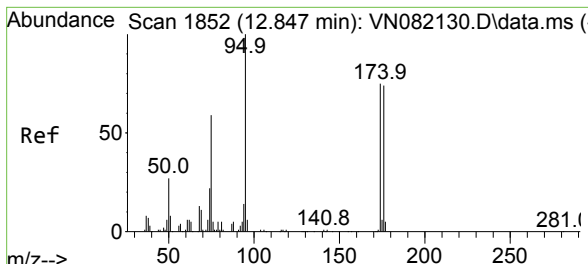
Tgt Ion: 43 Resp: 104138

Ion Ratio Lower Upper

43 100

58 17.9 28.3 84.9#

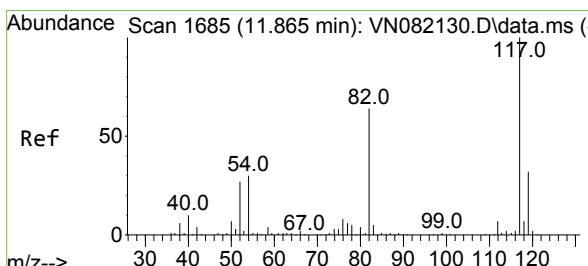
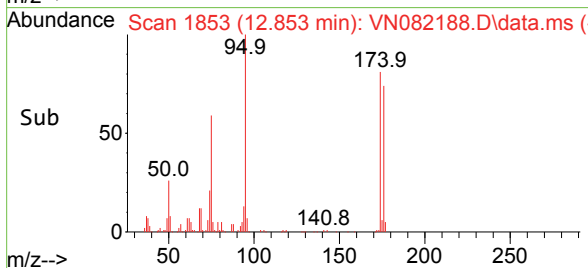
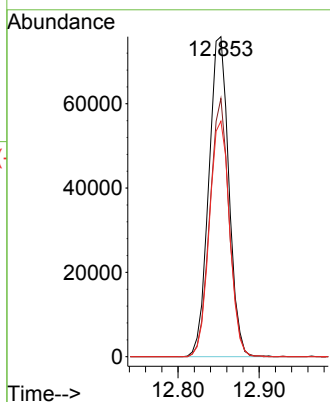
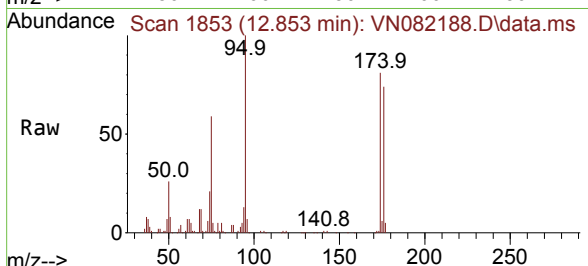




#62
4-Bromofluorobenzene
Concen: 50.098 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. 0.006 min
Lab File: VN082188.D
Acq: 17 May 2024 18:58

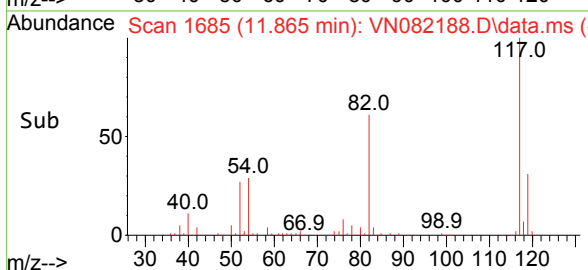
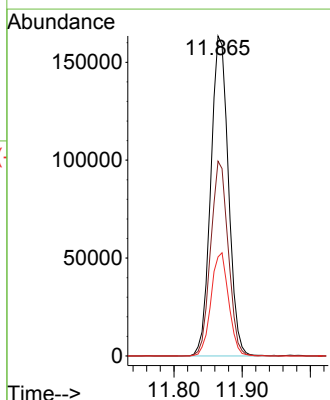
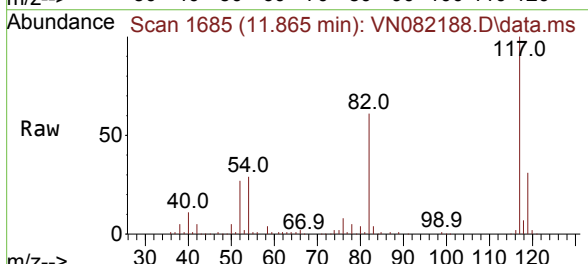
Instrument :
MSVOA_N
ClientSampleId :
PB160967ZHE#06

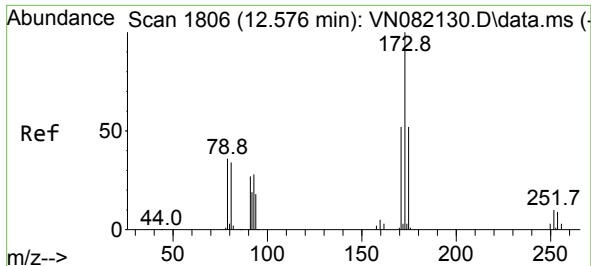
Tgt Ion:	95	Resp:	130238
Ion	Ratio	Lower	Upper
95	100		
174	77.7	0.0	160.6
176	74.3	0.0	152.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 1685
Delta R.T. -0.000 min
Lab File: VN082188.D
Acq: 17 May 2024 18:58

Tgt Ion:	117	Resp:	294198
Ion	Ratio	Lower	Upper
117	100		
82	60.9	44.6	66.8
119	30.9	25.9	38.9

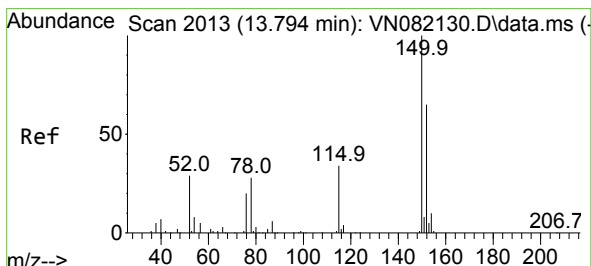
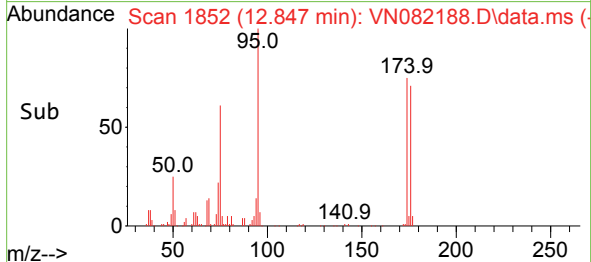
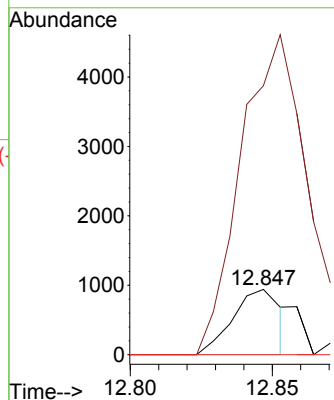
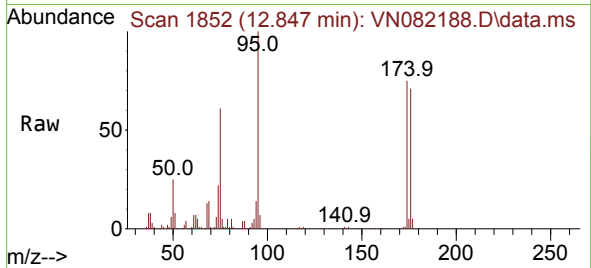




#71
Bromoform
Concen: 1.337 ug/l
RT: 12.847 min Scan# 1806
Delta R.T. 0.271 min
Lab File: VN082188.D
Acq: 17 May 2024 18:58

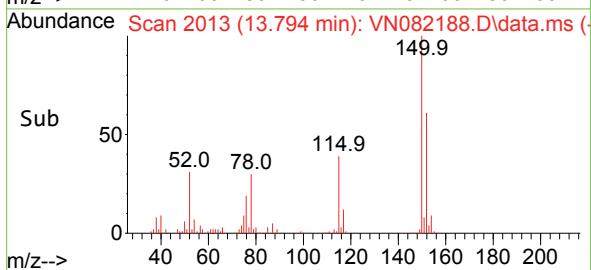
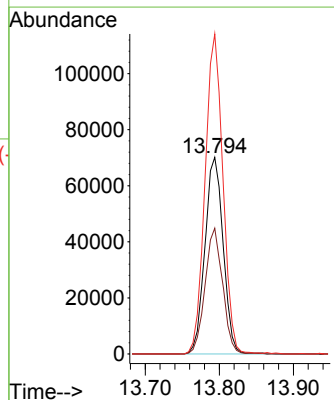
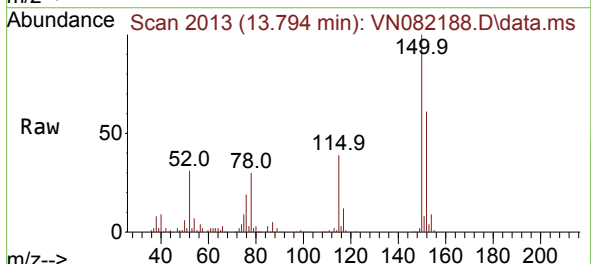
Instrument :
MSVOA_N
ClientSampleId :
PB160967ZHE#06

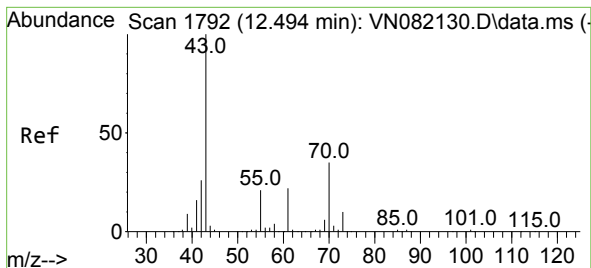
Tgt Ion:173 Resp: 1099
Ion Ratio Lower Upper
173 100
175 0.0 24.6 74.0#
254 0.0 0.0 0.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.794 min Scan# 2013
Delta R.T. -0.000 min
Lab File: VN082188.D
Acq: 17 May 2024 18:58

Tgt Ion:152 Resp: 119921
Ion Ratio Lower Upper
152 100
115 61.6 30.4 91.3
150 159.0 0.0 353.2





#74

N-amy1 acetate

Concen: 0.285 ug/l

RT: 12.482 min Scan# 1

Delta R.T. -0.012 min

Lab File: VN082188.D

Acq: 17 May 2024 18:58

Instrument :

MSVOA_N

ClientSampleId :

PB160967ZHE#06

Tgt Ion: 43 Resp: 1492

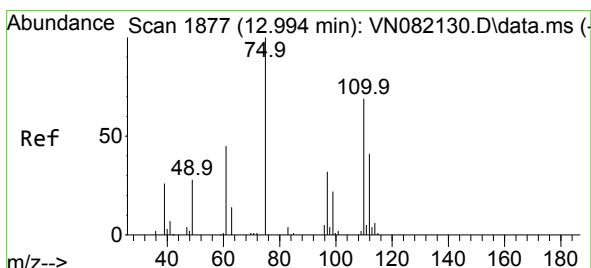
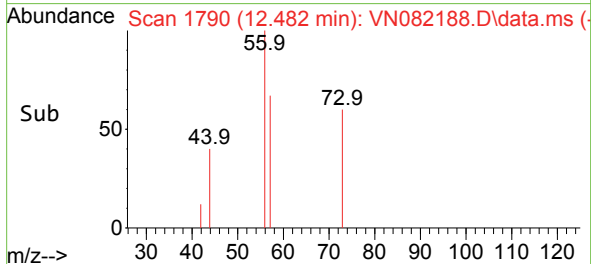
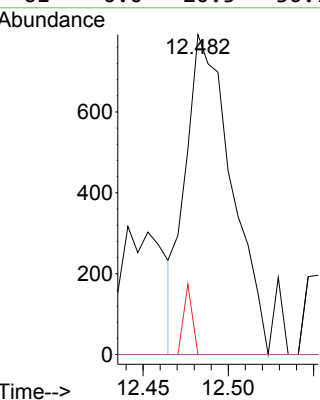
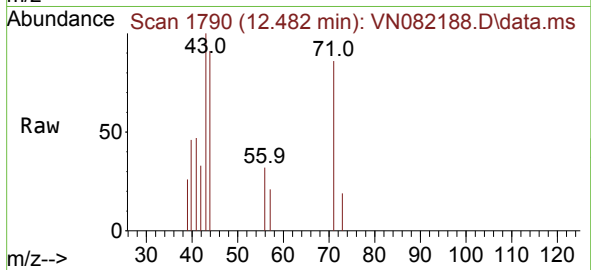
Ion Ratio Lower Upper

43 100

70 0.0 39.0 58.4#

55 4.1 21.3 31.9#

61 0.0 20.5 30.7#



#76

1,2,3-Trichloropropane

Concen: 31.449 ug/l

RT: 12.847 min Scan# 1852

Delta R.T. -0.147 min

Lab File: VN082188.D

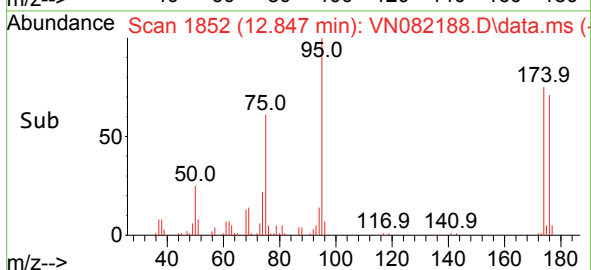
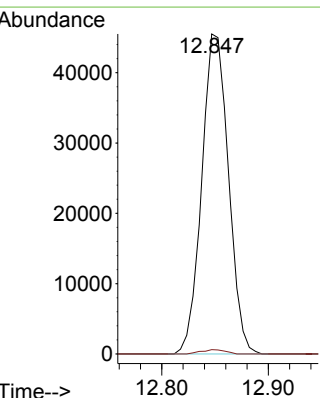
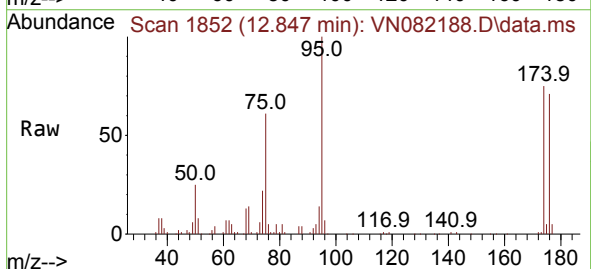
Acq: 17 May 2024 18:58

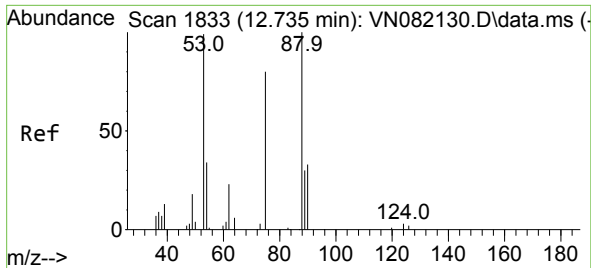
Tgt Ion: 75 Resp: 79378

Ion Ratio Lower Upper

75 100

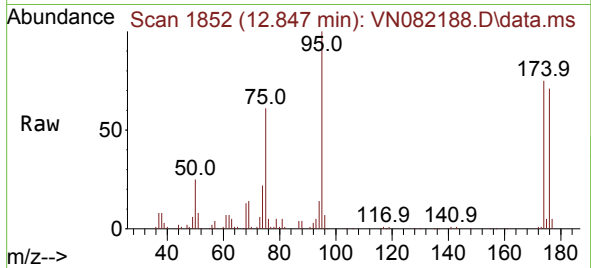
77 1.2 90.5 271.3#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 73.557 ug/l
 RT: 12.847 min Scan# 11
 Delta R.T. 0.112 min
 Lab File: VN082188.D
 Acq: 17 May 2024 18:58

Instrument :
 MSVOA_N
 ClientSampleId :
 PB160967ZHE#06



Tgt Ion: 75 Resp: 79378
 Ion Ratio Lower Upper
 75 100
 53 0.0 72.9 109.3#
 89 0.0 39.1 58.7#

