

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN052124\
 Data File : VN082243.D
 Acq On : 21 May 2024 16:17
 Operator : JC\MD
 Sample : PB161006TB
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 PB161006TB

Quant Time: May 22 01:28:28 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)

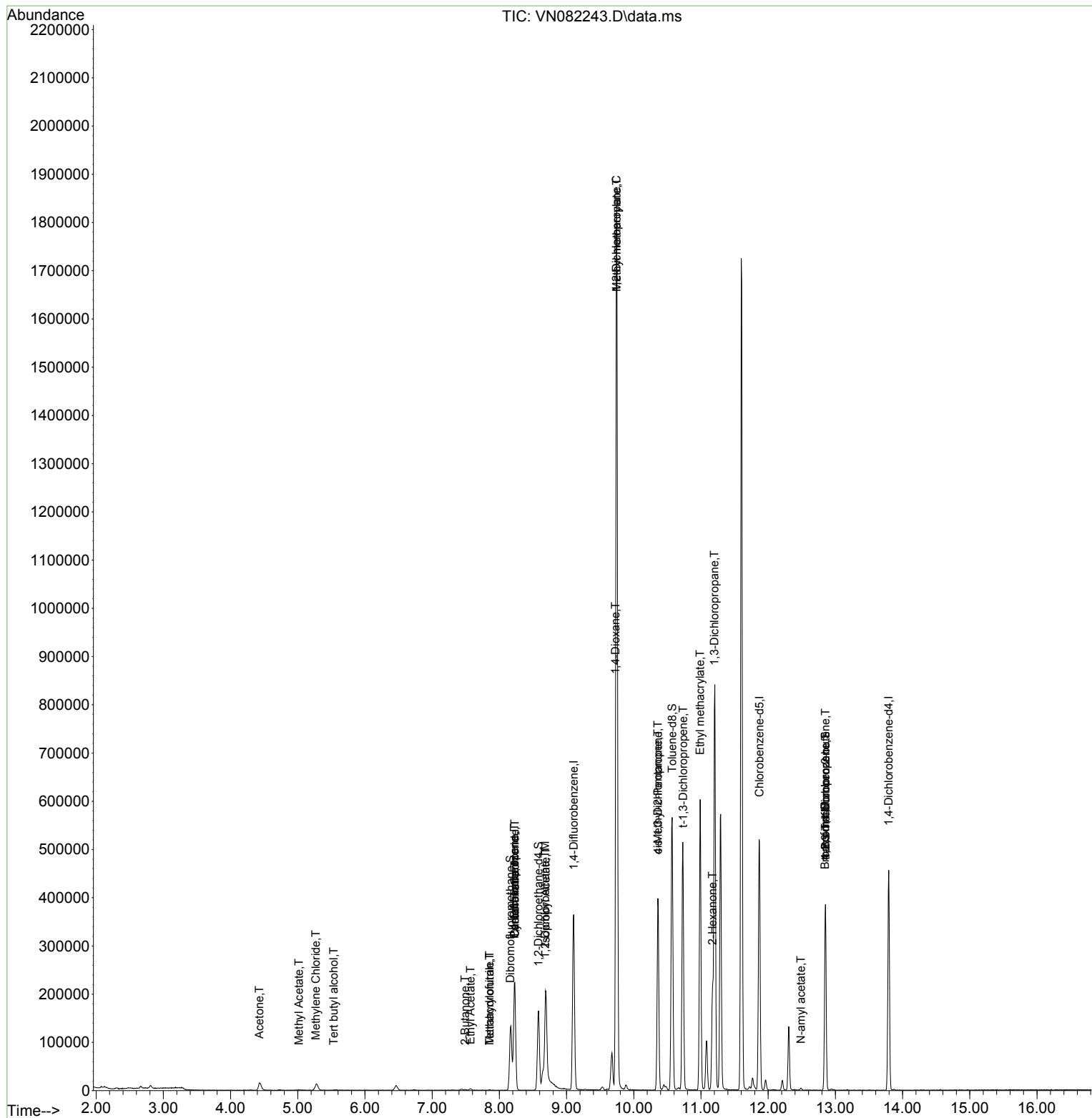
Internal Standards						
1) Pentafluorobenzene	8.224	168	156585	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	282875	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.870	117	275676	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	111419	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.582	65	134828	54.531	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 109.060%			
35) Dibromofluoromethane	8.165	113	94502	54.308	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 108.620%			
50) Toluene-d8	10.570	98	368487	55.233	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 110.460%			
62) 4-Bromofluorobenzene	12.853	95	123326	51.791	ug/l	0.00
Spiked Amount 50.000	Range 64 - 133		Recovery = 103.580%			
Target Compounds					Qvalue	
11) Tert butyl alcohol	5.536	59	243	0.612	ug/l #	71
16) Acetone	4.430	43	31513	31.070	ug/l	89
18) Methyl Acetate	5.018	43	800	0.317	ug/l #	61
20) Methylene Chloride	5.271	84	8878	4.338	ug/l #	78
25) 2-Butanone	7.488	43	2523	1.641	ug/l #	43
29) Tetrahydrofuran	7.853	42	701	0.710	ug/l #	43
31) Cyclohexane	8.229	56	4737	1.200	ug/l #	41
36) 1,1-Dichloropropene	8.224	75	14637	5.015	ug/l #	48
37) Ethyl Acetate	7.571	43	5190	1.589	ug/l #	81
38) Carbon Tetrachloride	8.229	117	17018	5.752	ug/l #	16
41) Methacrylonitrile	7.853	41	512	0.267	ug/l #	23
42) 1,2-Dichloroethane	8.682	62	1288	0.385	ug/l #	73
43) Isopropyl Acetate	8.688	43	316162	54.630	ug/l #	72
45) 1,2-Dichloropropane	9.741	63	2096	0.933	ug/l #	45
48) Methyl methacrylate	9.747	41	185212	67.163	ug/l #	37
49) 1,4-Dioxane	9.729	88	63	1.630	ug/l #	1
51) 4-Methyl-2-Pentanone	10.359	43	161755	49.193	ug/l #	43
53) t-1,3-Dichloropropene	10.735	75	1146	0.356	ug/l #	43
54) cis-1,3-Dichloropropene	10.359	75	60701	17.816	ug/l #	77
56) Ethyl methacrylate	10.988	69	1988	0.617	ug/l #	1
57) 1,3-Dichloropropane	11.200	76	7358	2.073	ug/l #	42
59) 2-Hexanone	11.170	43	173270	71.967	ug/l #	23
71) Bromoform	12.847	173	983	1.308	ug/l #	28
74) N-amyl acetate	12.488	43	2309	0.474	ug/l #	40
76) 1,2,3-Trichloropropane	12.853	75	72569	30.945	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.853	75	72569	72.379	ug/l #	12

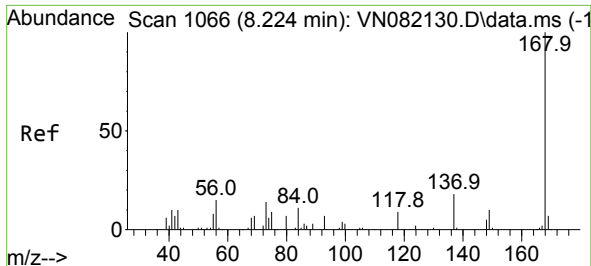
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Thu May 16 05:21:06 2024
Response via : Initial Calibration

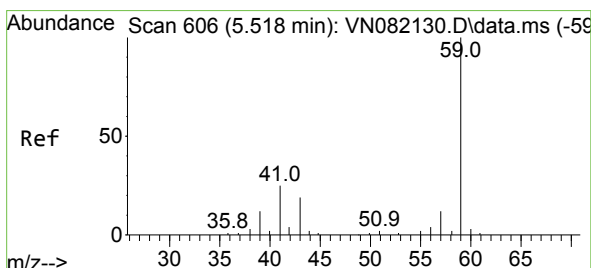
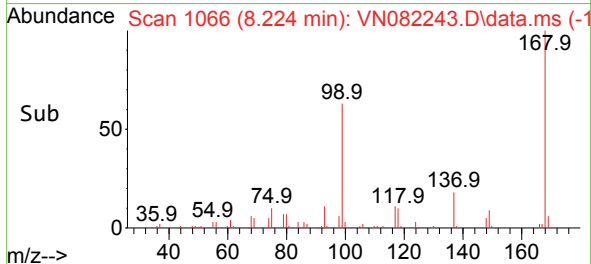
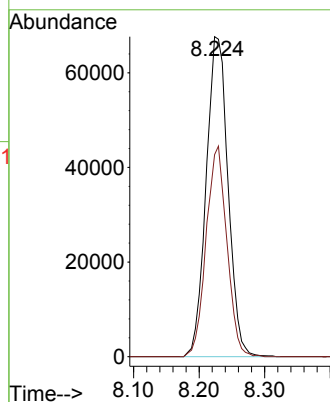
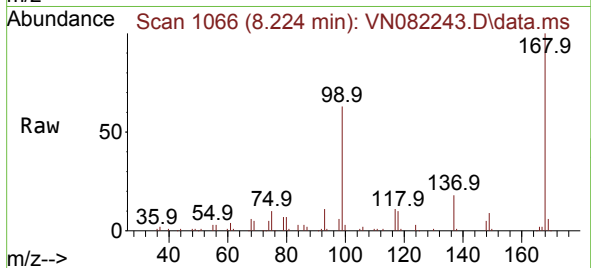




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. -0.000 min
Lab File: VN082243.D
Acq: 21 May 2024 16:17

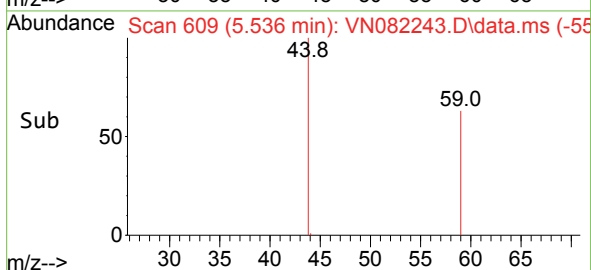
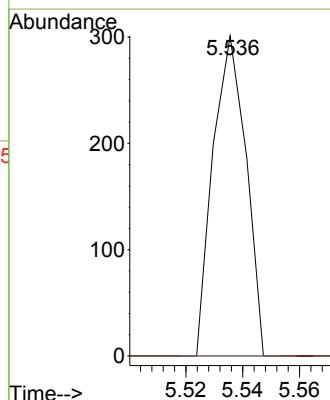
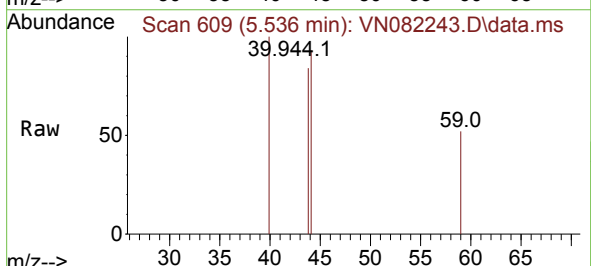
Instrument :
MSVOA_N
ClientSampleId :
PB161006TB

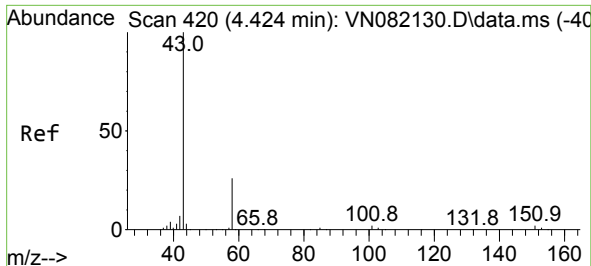
Tgt Ion:168 Resp: 156585
Ion Ratio Lower Upper
168 100
99 63.2 48.2 72.4



#11
Tert butyl alcohol
Concen: 0.612 ug/l
RT: 5.536 min Scan# 609
Delta R.T. 0.018 min
Lab File: VN082243.D
Acq: 21 May 2024 16:17

Tgt Ion: 59 Resp: 243
Ion Ratio Lower Upper
59 100
57 0.0 8.9 13.3#

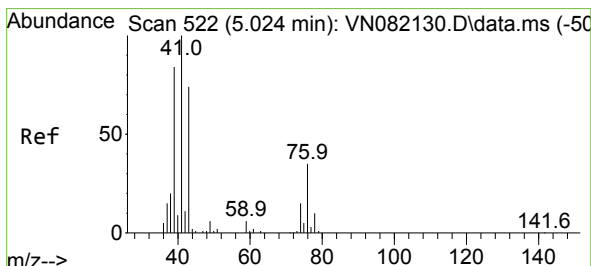
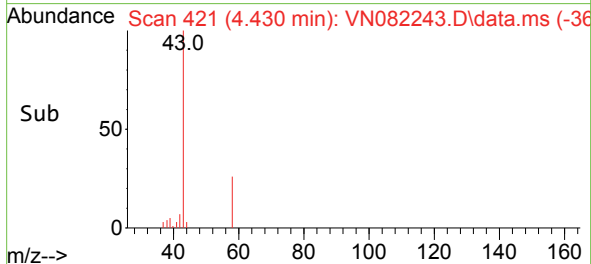
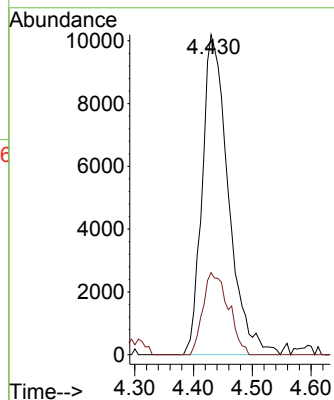
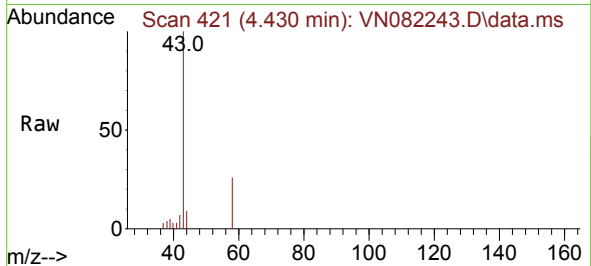




#16
Acetone
Concen: 31.070 ug/l
RT: 4.430 min Scan# 41
Delta R.T. 0.006 min
Lab File: VN082243.D
Acq: 21 May 2024 16:17

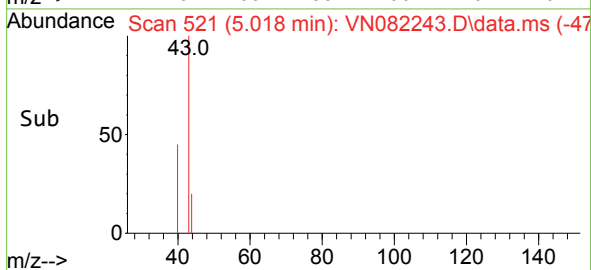
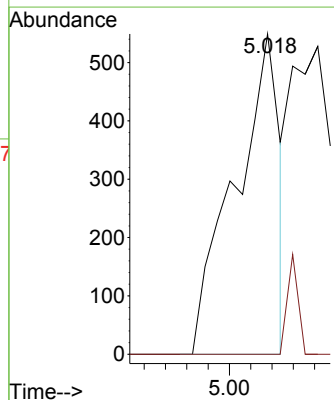
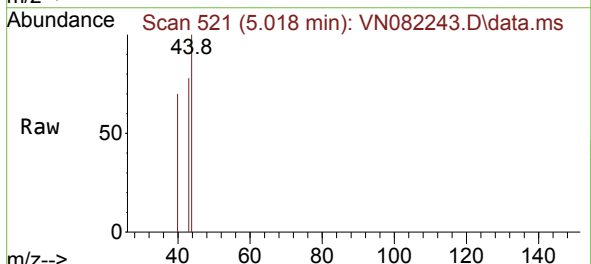
Instrument :
MSVOA_N
ClientSampleId :
PB161006TB

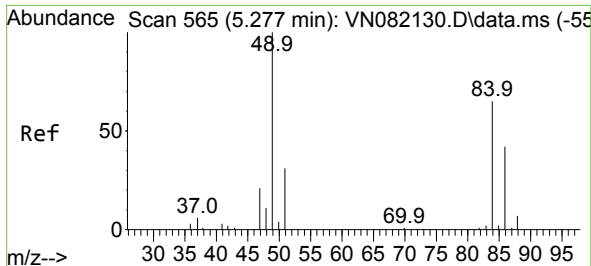
Tgt Ion: 43 Resp: 31513
Ion Ratio Lower Upper
43 100
58 25.6 25.2 37.8



#18
Methyl Acetate
Concen: 0.317 ug/l
RT: 5.018 min Scan# 521
Delta R.T. -0.006 min
Lab File: VN082243.D
Acq: 21 May 2024 16:17

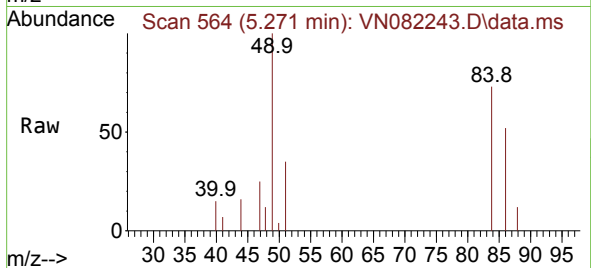
Tgt Ion: 43 Resp: 800
Ion Ratio Lower Upper
43 100
74 7.5 22.2 33.2#



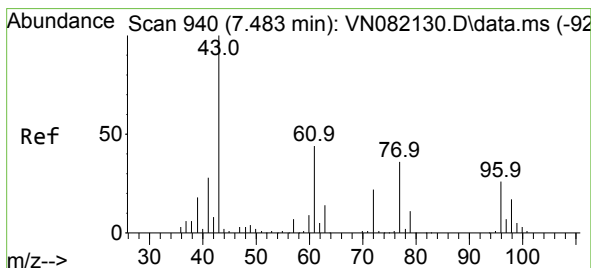
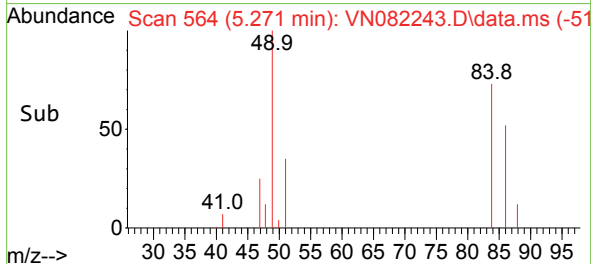
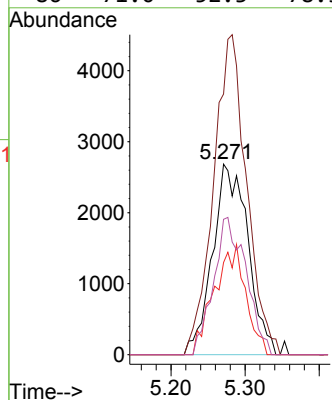


#20
Methylene Chloride
Concen: 4.338 ug/l
RT: 5.271 min Scan# 51
Delta R.T. -0.006 min
Lab File: VN082243.D
Acq: 21 May 2024 16:17

Instrument :
MSVOA_N
ClientSampleId :
PB161006TB

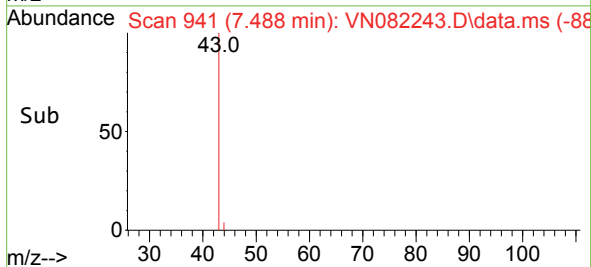
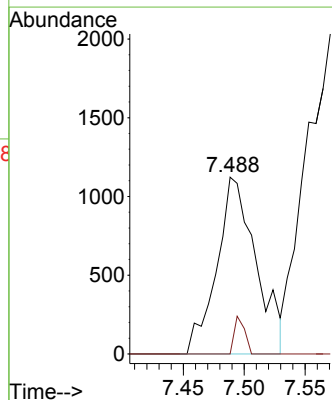
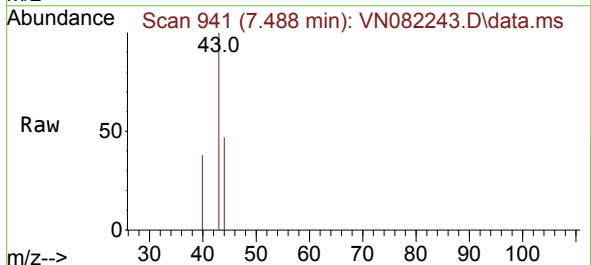


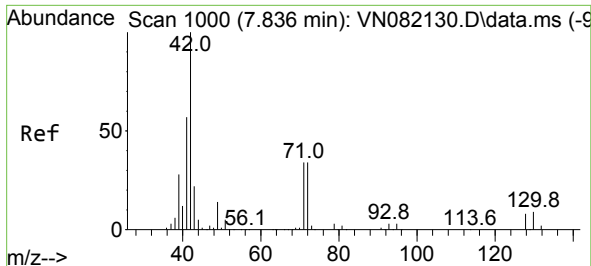
Tgt Ion:	84	Resp:	8878
Ion	Ratio	Lower	Upper
84	100		
49	136.8	84.9	127.3#
51	48.4	27.0	40.6#
86	71.0	52.3	78.5



#25
2-Butanone
Concen: 1.641 ug/l
RT: 7.488 min Scan# 941
Delta R.T. 0.006 min
Lab File: VN082243.D
Acq: 21 May 2024 16:17

Tgt Ion:	43	Resp:	2523
Ion	Ratio	Lower	Upper
43	100		
72	0.0	25.3	37.9#





#29

Tetrahydrofuran

Concen: 0.710 ug/l

RT: 7.853 min Scan# 10

Delta R.T. 0.017 min

Lab File: VN082243.D

Acq: 21 May 2024 16:17

Instrument :

MSVOA_N

ClientSampleId :

PB161006TB

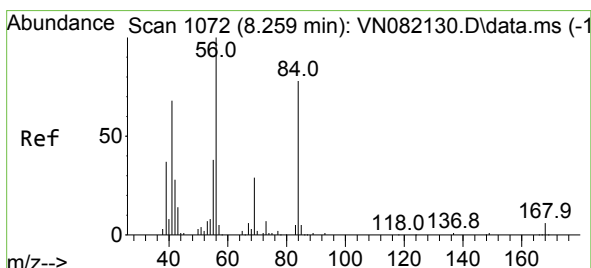
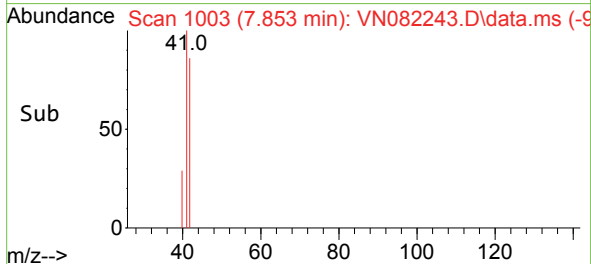
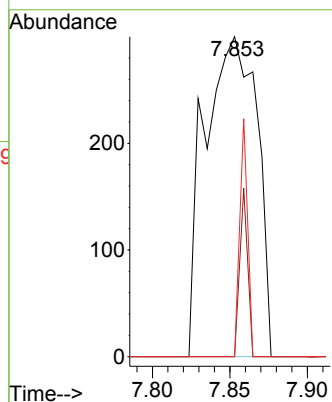
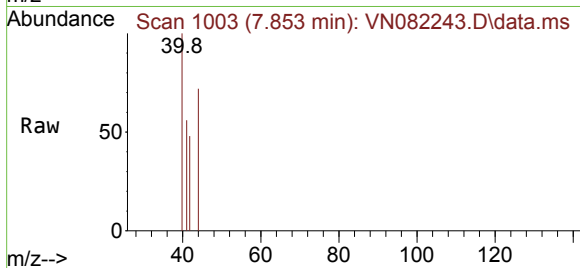
Tgt Ion: 42 Resp: 701

Ion Ratio Lower Upper

42 100

72 8.0 39.3 58.9#

71 11.3 37.4 56.0#



#31

Cyclohexane

Concen: 1.200 ug/l

RT: 8.229 min Scan# 1067

Delta R.T. -0.030 min

Lab File: VN082243.D

Acq: 21 May 2024 16:17

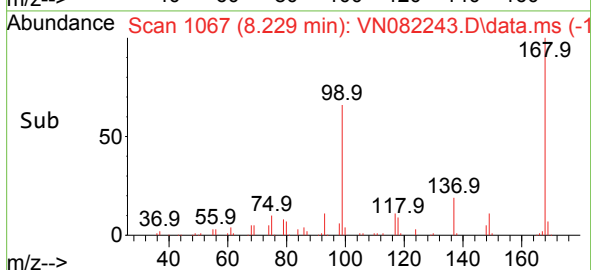
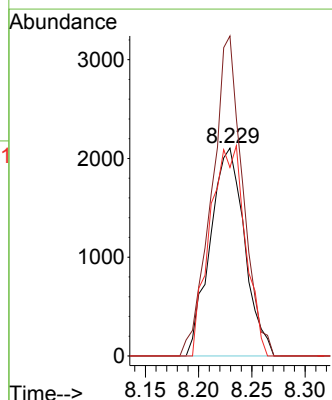
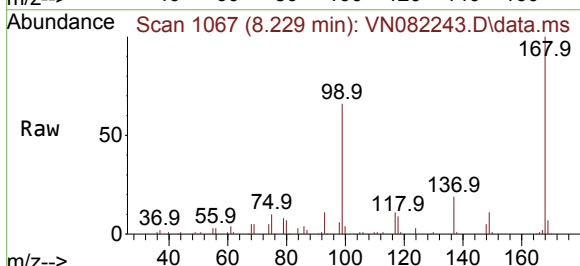
Tgt Ion: 56 Resp: 4737

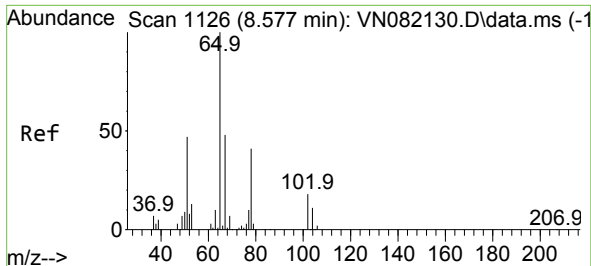
Ion Ratio Lower Upper

56 100

69 153.9 24.4 36.6#

84 90.6 77.0 115.4





#33

1,2-Dichloroethane-d4

Concen: 54.531 ug/l

RT: 8.582 min Scan# 1127

Delta R.T. 0.006 min

Lab File: VN082243.D

Acq: 21 May 2024 16:17

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ClientSampleId :

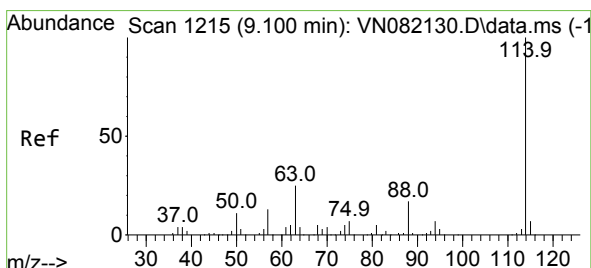
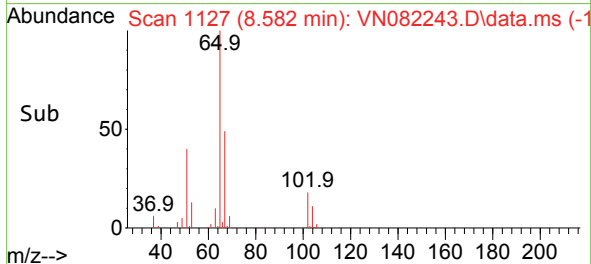
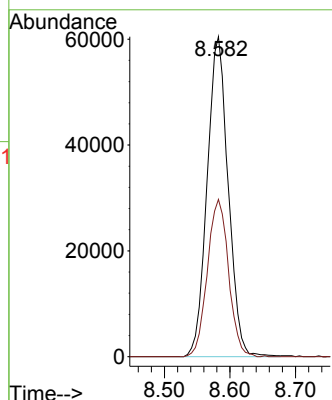
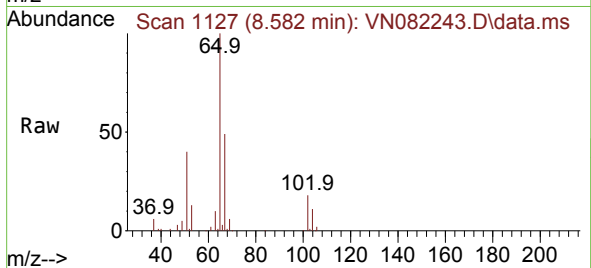
PB161006TB

Tgt Ion: 65 Resp: 134828

Ion Ratio Lower Upper

65 100

67 49.4 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: VN082243.D

Acq: 21 May 2024 16:17

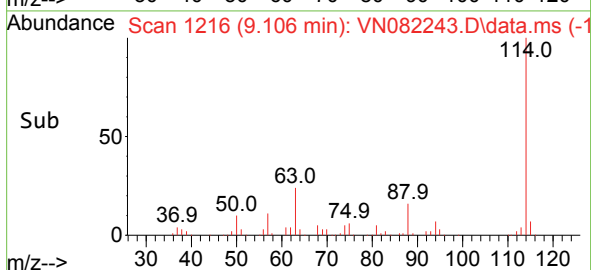
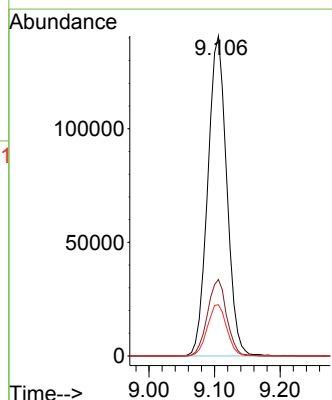
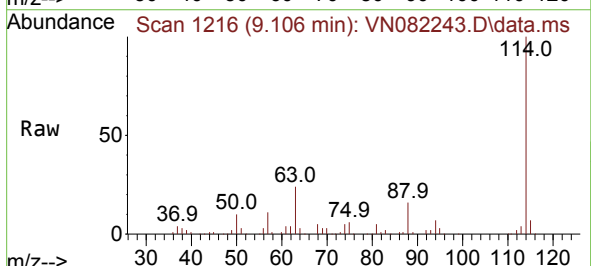
Tgt Ion: 114 Resp: 282875

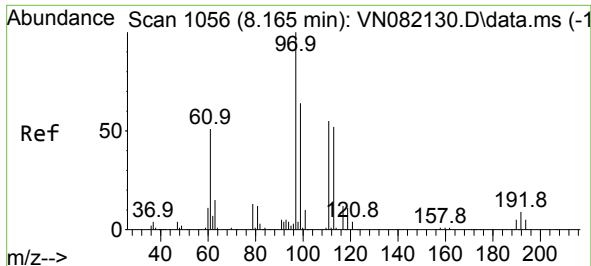
Ion Ratio Lower Upper

114 100

63 23.9 0.0 41.0

88 16.0 0.0 31.4

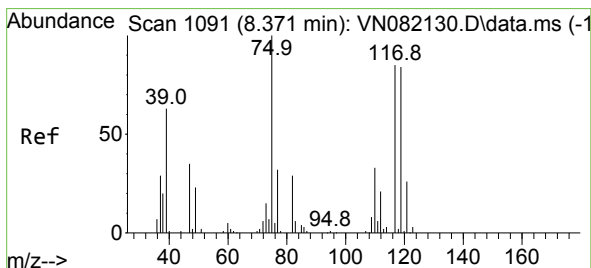
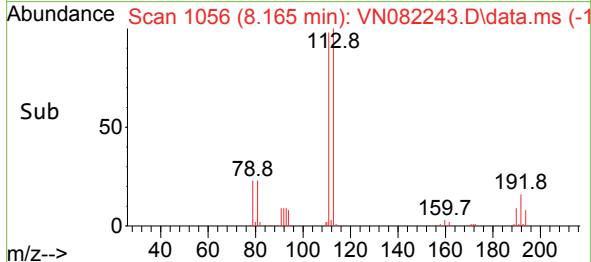
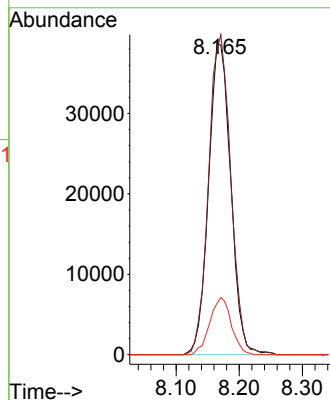
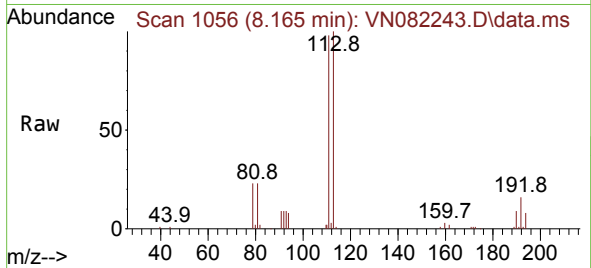




#35
Dibromofluoromethane
Concen: 54.308 ug/l
RT: 8.165 min Scan# 1056
Delta R.T. -0.000 min
Lab File: VN082243.D
Acq: 21 May 2024 16:17

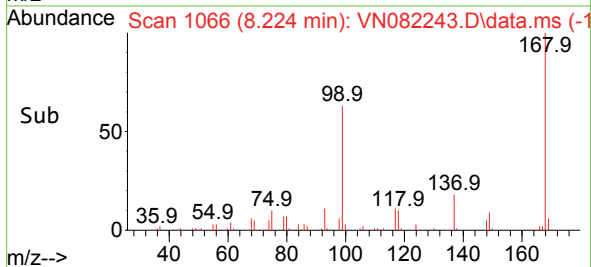
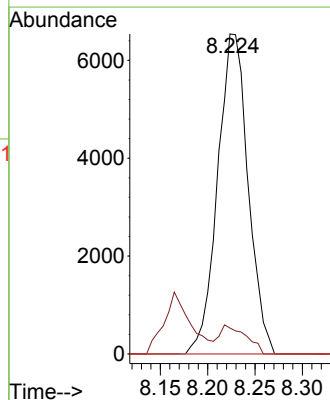
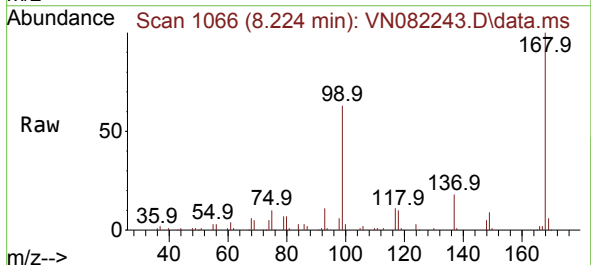
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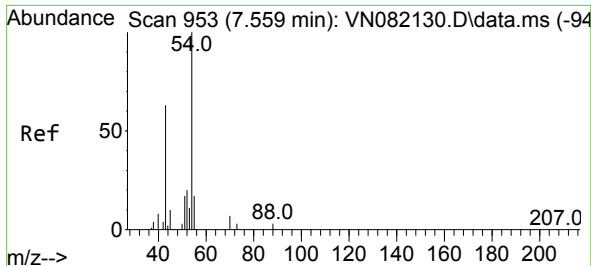
Tgt Ion:113 Resp: 94502
Ion Ratio Lower Upper
113 100
111 103.1 83.4 125.2
192 17.8 14.0 21.0



#36
1,1-Dichloropropene
Concen: 5.015 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. -0.147 min
Lab File: VN082243.D
Acq: 21 May 2024 16:17

Tgt Ion: 75 Resp: 14637
Ion Ratio Lower Upper
75 100
110 7.8 17.8 53.5#
77 0.0 25.0 37.4#





#37

Ethyl Acetate

Concen: 1.589 ug/l

RT: 7.571 min Scan# 91

Delta R.T. 0.012 min

Lab File: VN082243.D

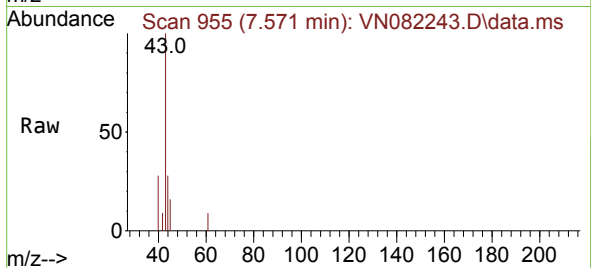
Acq: 21 May 2024 16:17

Instrument :

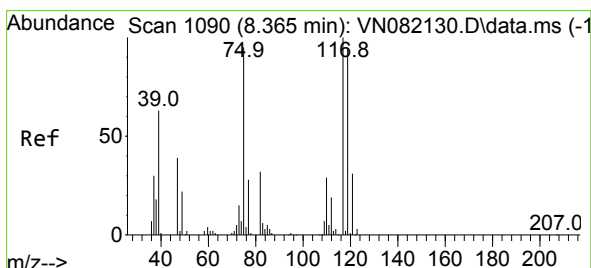
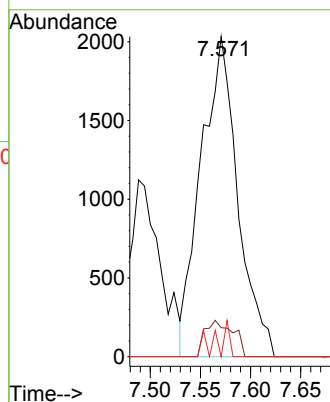
MSVOA_N

ClientSampleId :

PB161006TB



Tgt Ion: 43	Resp: 5190
Ion Ratio	Lower Upper
43	100
61	8.7 11.3 16.9#
70	1.1 8.7 13.1#



#38

Carbon Tetrachloride

Concen: 5.752 ug/l

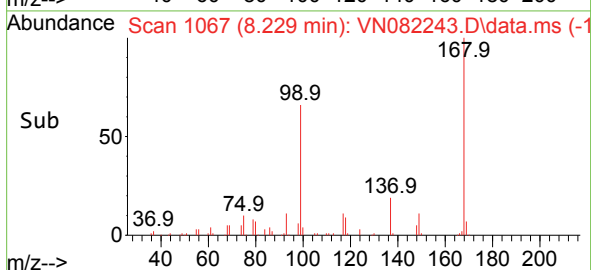
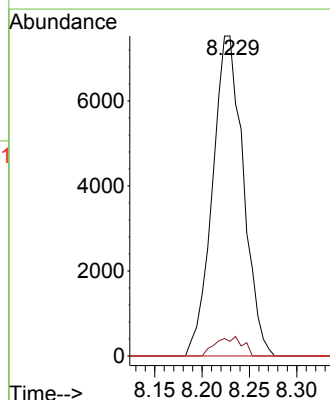
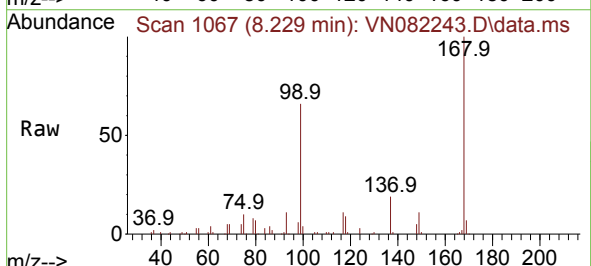
RT: 8.229 min Scan# 1067

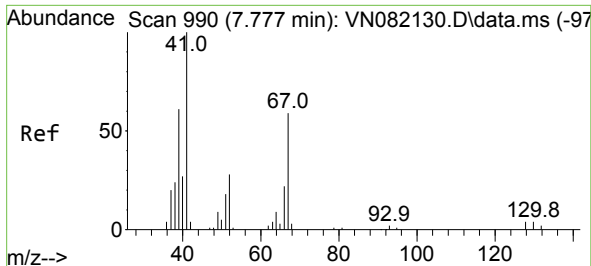
Delta R.T. -0.135 min

Lab File: VN082243.D

Acq: 21 May 2024 16:17

Tgt Ion: 117	Resp: 17018
Ion Ratio	Lower Upper
117	100
119	4.5 76.5 114.7#
121	0.0 23.9 35.9#

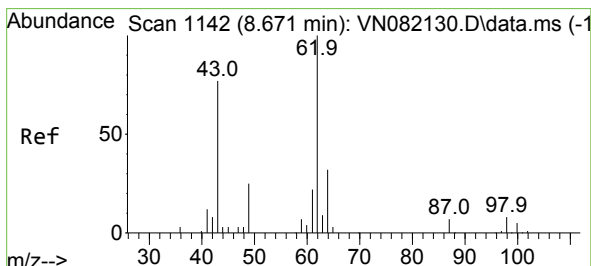
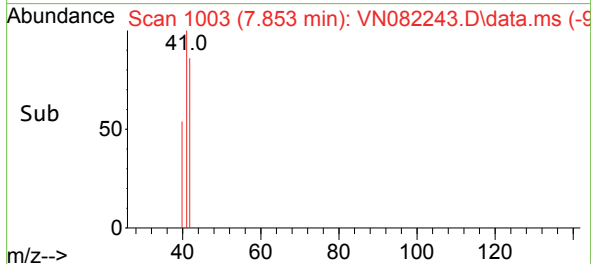
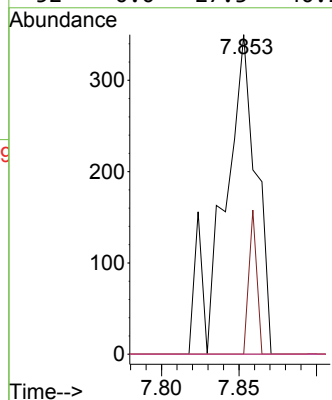
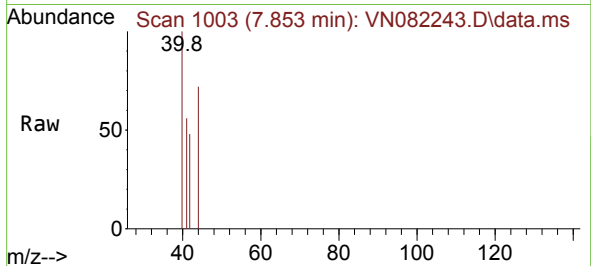




#41
Methacrylonitrile
Concen: 0.267 ug/l
RT: 7.853 min Scan# 1003
Delta R.T. 0.076 min
Lab File: VN082243.D
Acq: 21 May 2024 16:17

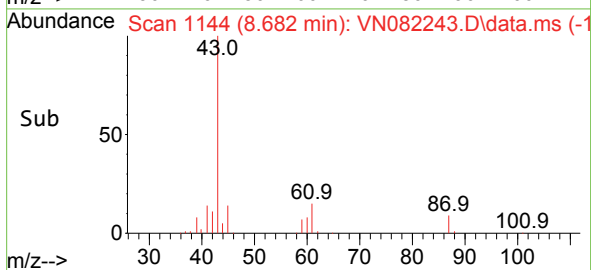
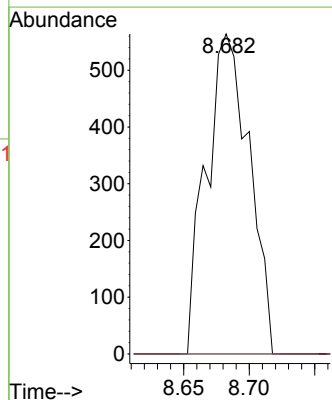
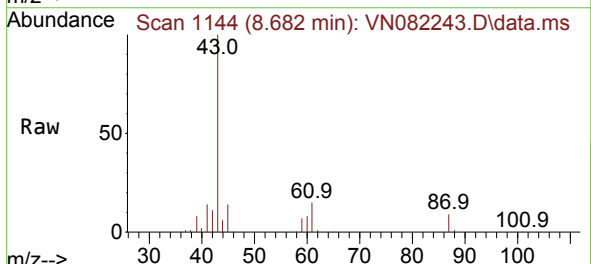
Instrument :
MSVOA_N
ClientSampleId :
PB161006TB

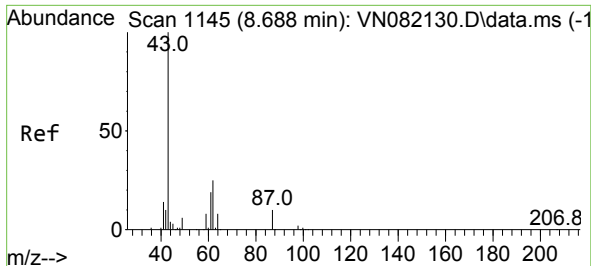
Tgt Ion: 41	Resp: 512
Ion Ratio	Lower Upper
41 100	
39 10.9	46.6 69.8#
67 0.0	67.3 100.9#
52 0.0	27.3 40.9#



#42
1,2-Dichloroethane
Concen: 0.385 ug/l
RT: 8.682 min Scan# 1144
Delta R.T. 0.012 min
Lab File: VN082243.D
Acq: 21 May 2024 16:17

Tgt Ion: 62	Resp: 1288		
Ion Ratio	Lower	Upper	
62 100			
98 0.0	0.0	19.6	

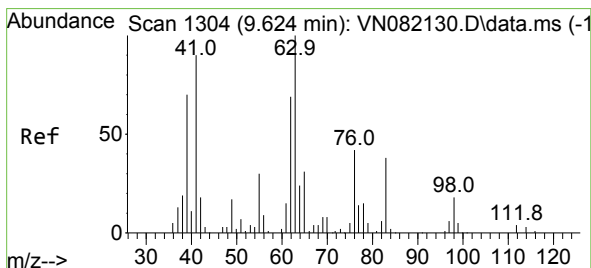
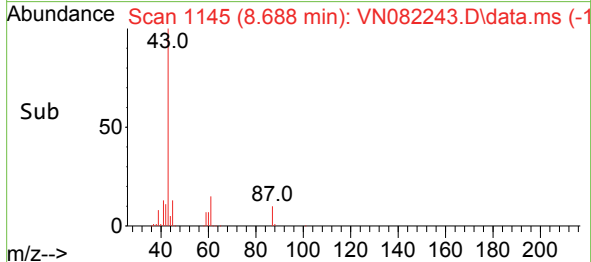
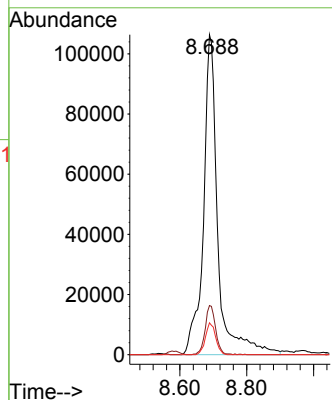
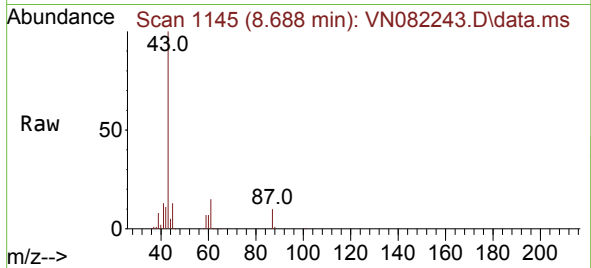




#43
Isopropyl Acetate
Concen: 54.630 ug/l
RT: 8.688 min Scan# 1145
Delta R.T. -0.000 min
Lab File: VN082243.D
Acq: 21 May 2024 16:17

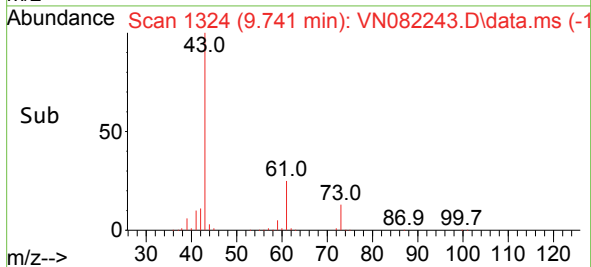
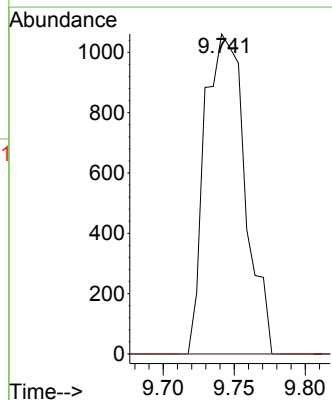
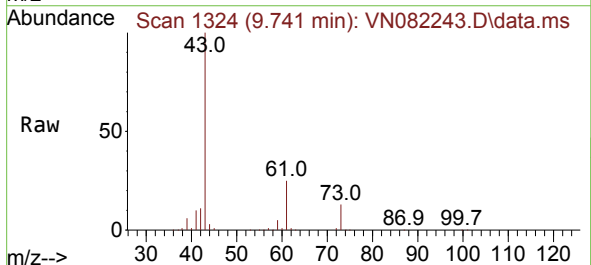
Instrument :
MSVOA_N
ClientSampleId :
PB161006TB

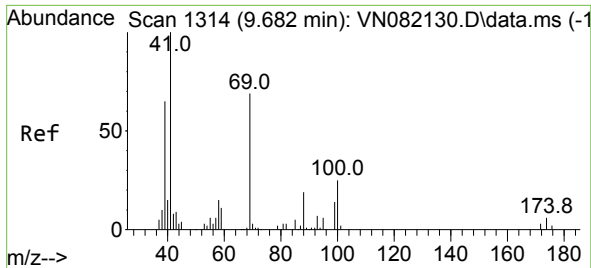
Tgt Ion: 43 Resp: 316162
Ion Ratio Lower Upper
43 100
61 11.2 22.8 34.2#
87 7.1 12.0 18.0#



#45
1,2-Dichloropropane
Concen: 0.933 ug/l
RT: 9.741 min Scan# 1324
Delta R.T. 0.117 min
Lab File: VN082243.D
Acq: 21 May 2024 16:17

Tgt Ion: 63 Resp: 2096
Ion Ratio Lower Upper
63 100
65 0.0 24.1 36.1#

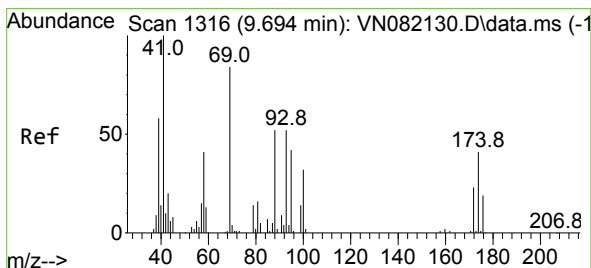
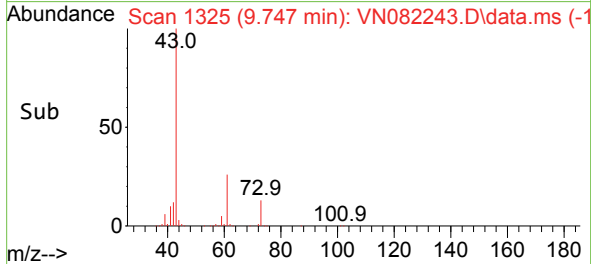
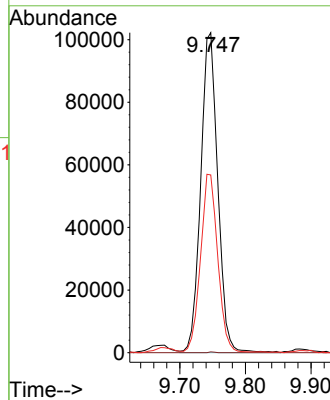
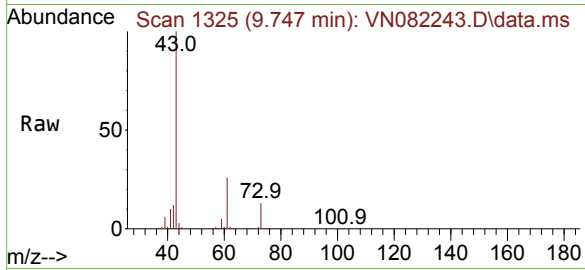




#48
Methyl methacrylate
Concen: 67.163 ug/l
RT: 9.747 min Scan# 11
Delta R.T. 0.065 min
Lab File: VN082243.D
Acq: 21 May 2024 16:17

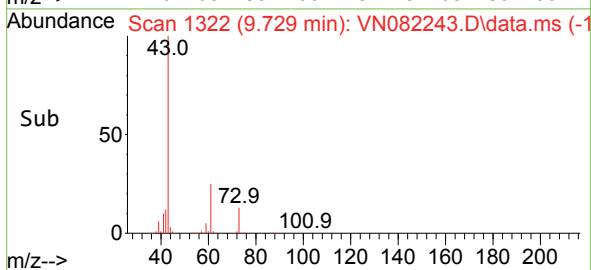
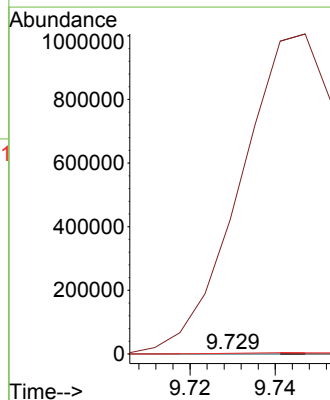
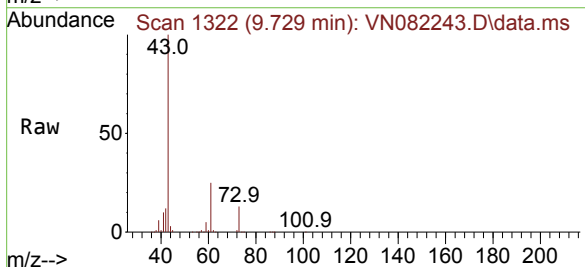
Instrument :
MSVOA_N
ClientSampleId :
PB161006TB

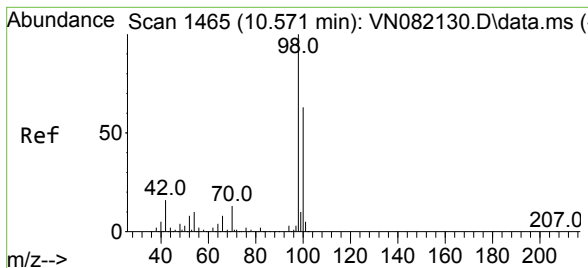
Tgt Ion: 41 Resp: 185212
Ion Ratio Lower Upper
41 100
69 0.1 77.9 116.9#
39 56.7 50.9 76.3



#49
1,4-Dioxane
Concen: 1.630 ug/l
RT: 9.729 min Scan# 1322
Delta R.T. 0.035 min
Lab File: VN082243.D
Acq: 21 May 2024 16:17

Tgt Ion: 88 Resp: 63
Ion Ratio Lower Upper
88 100
43 2871188.9 19.0 28.6#
58 12212.7 50.6 76.0#

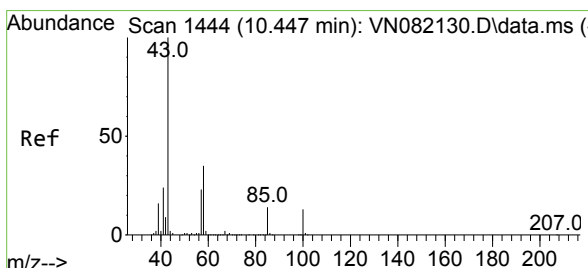
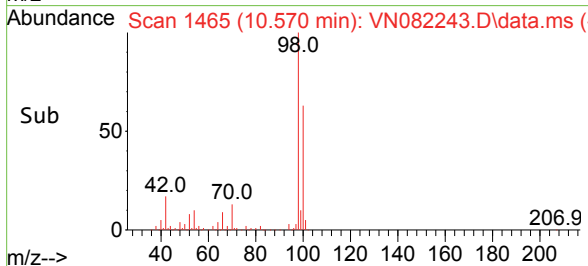
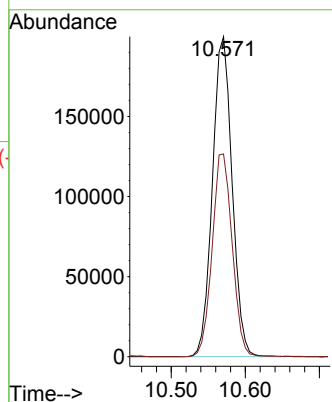
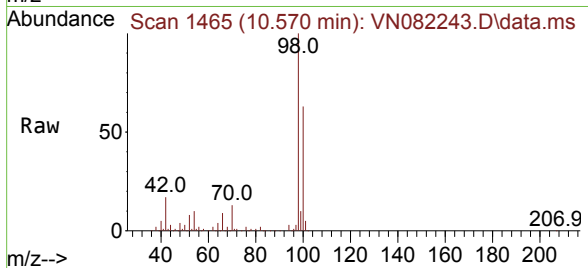




#50
Toluene-d8
Concen: 55.233 ug/l
RT: 10.570 min Scan# 1465
Delta R.T. -0.000 min
Lab File: VN082243.D
Acq: 21 May 2024 16:17

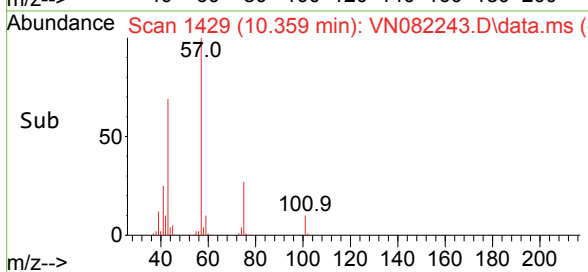
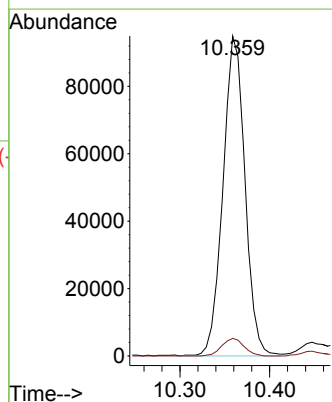
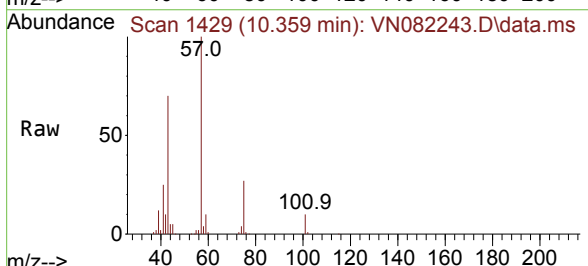
Instrument :
MSVOA_N
ClientSampleId :
PB161006TB

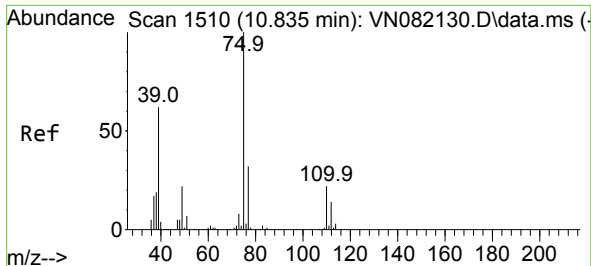
Tgt Ion: 98 Resp: 368487
Ion Ratio Lower Upper
98 100
100 64.5 51.8 77.6



#51
4-Methyl-2-Pentanone
Concen: 49.193 ug/l
RT: 10.359 min Scan# 1429
Delta R.T. -0.088 min
Lab File: VN082243.D
Acq: 21 May 2024 16:17

Tgt Ion: 43 Resp: 161755
Ion Ratio Lower Upper
43 100
58 5.5 33.2 49.8#

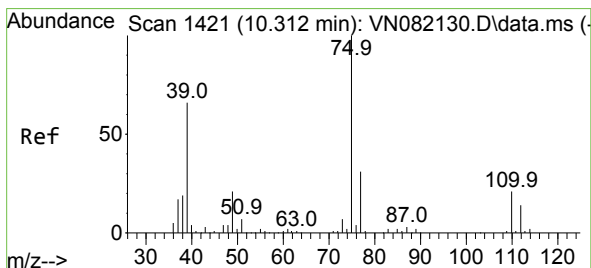
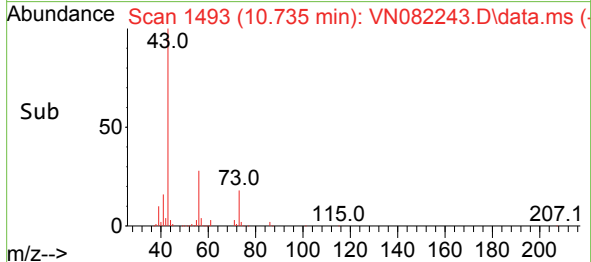
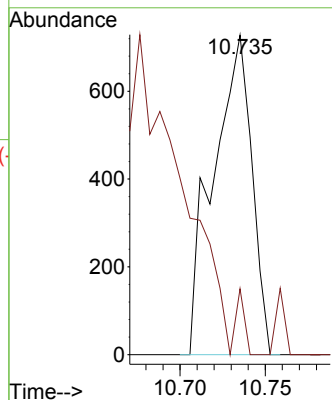
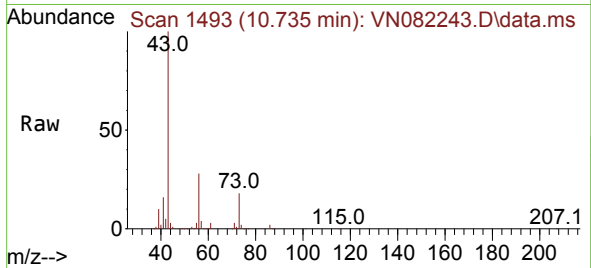




#53
t-1,3-Dichloropropene
Concen: 0.356 ug/l
RT: 10.735 min Scan# 1493
Delta R.T. -0.100 min
Lab File: VN082243.D
Acq: 21 May 2024 16:17

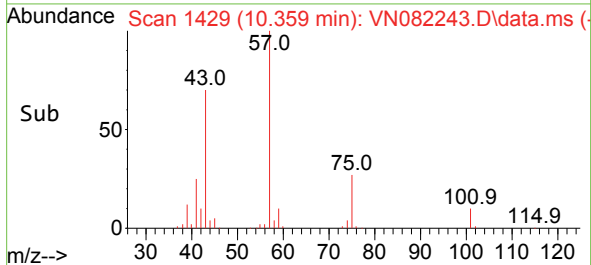
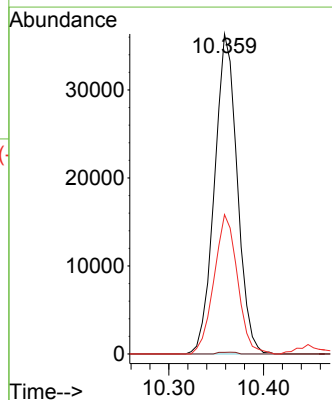
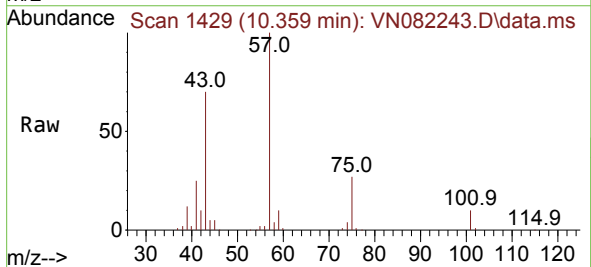
Instrument :
MSVOA_N
ClientSampleId :
PB161006TB

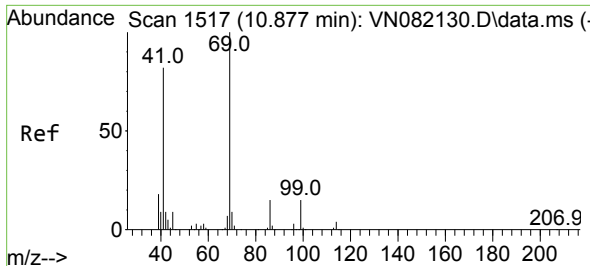
Tgt Ion: 75 Resp: 1146
Ion Ratio Lower Upper
75 100
77 0.0 25.4 38.0#



#54
cis-1,3-Dichloropropene
Concen: 17.816 ug/l
RT: 10.359 min Scan# 1429
Delta R.T. 0.047 min
Lab File: VN082243.D
Acq: 21 May 2024 16:17

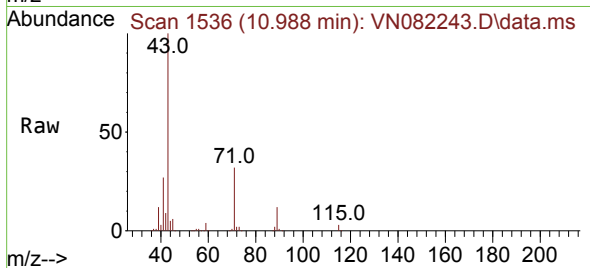
Tgt Ion: 75 Resp: 60701
Ion Ratio Lower Upper
75 100
77 0.5 25.0 37.4#
39 43.5 34.8 52.2



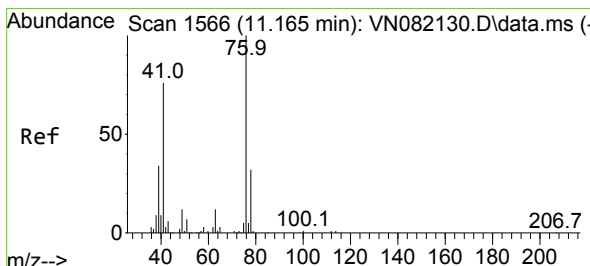
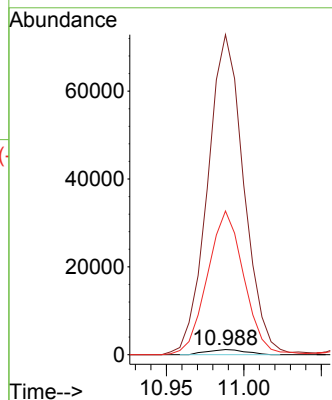
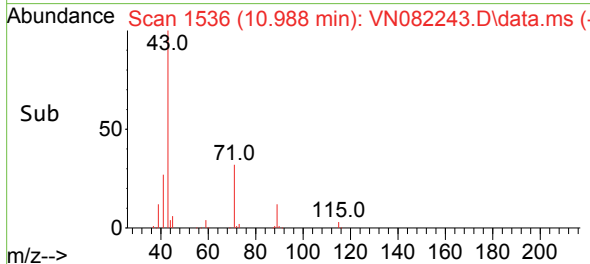


#56
Ethyl methacrylate
Concen: 0.617 ug/l
RT: 10.988 min Scan# 1536
Delta R.T. 0.112 min
Lab File: VN082243.D
Acq: 21 May 2024 16:17

Instrument :
MSVOA_N
ClientSampleId :
PB161006TB

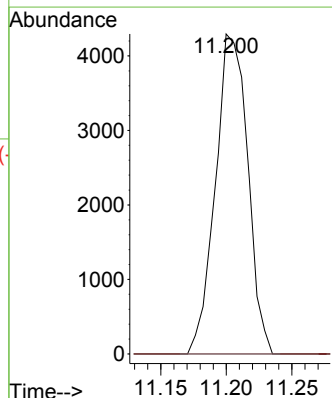
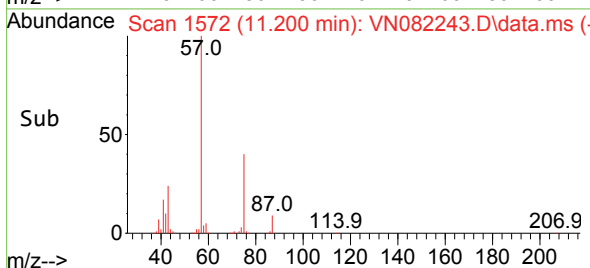
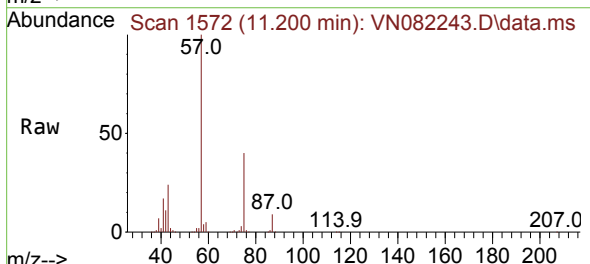


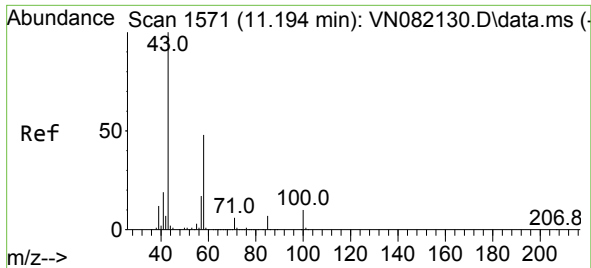
Tgt Ion: 69 Resp: 1988
Ion Ratio Lower Upper
69 100
41 5992.9 46.6 70.0#
39 2703.3 26.5 39.7#



#57
1,3-Dichloropropane
Concen: 2.073 ug/l
RT: 11.200 min Scan# 1572
Delta R.T. 0.035 min
Lab File: VN082243.D
Acq: 21 May 2024 16:17

Tgt Ion: 76 Resp: 7358
Ion Ratio Lower Upper
76 100
78 0.0 25.8 38.6#

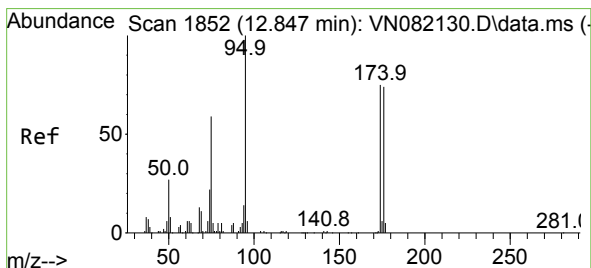
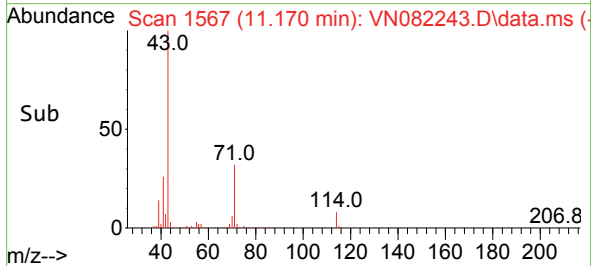
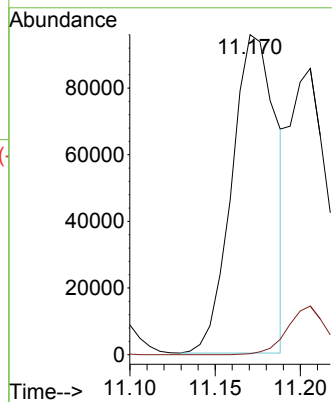
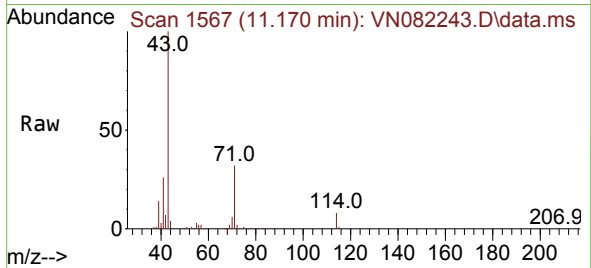




#59
2-Hexanone
Concen: 71.967 ug/l
RT: 11.170 min Scan# 11170
Delta R.T. -0.024 min
Lab File: VN082243.D
Acq: 21 May 2024 16:17

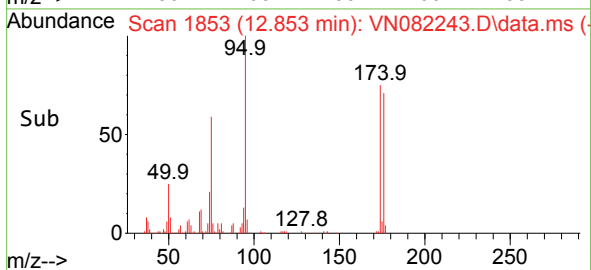
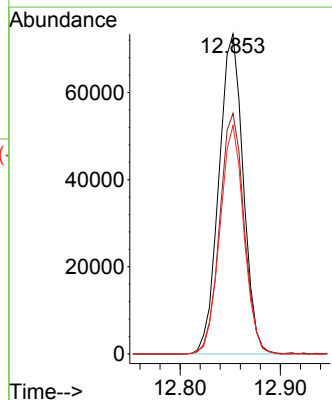
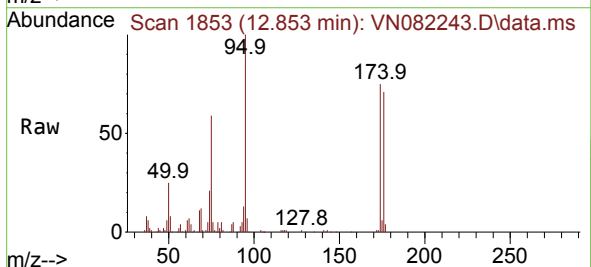
Instrument :
MSVOA_N
ClientSampleId :
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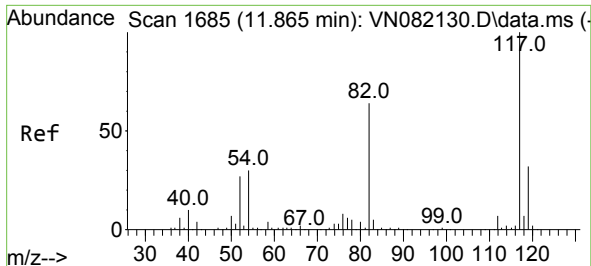
Tgt Ion: 43 Resp: 173270
Ion Ratio Lower Upper
43 100
58 0.0 28.3 84.9#



#62
4-Bromofluorobenzene
Concen: 51.791 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. 0.006 min
Lab File: VN082243.D
Acq: 21 May 2024 16:17

Tgt Ion: 95 Resp: 123326
Ion Ratio Lower Upper
95 100
174 75.7 0.0 160.6
176 70.4 0.0 152.8

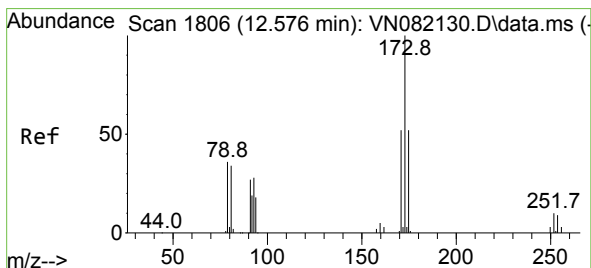
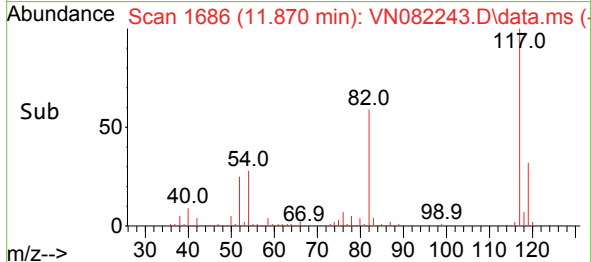
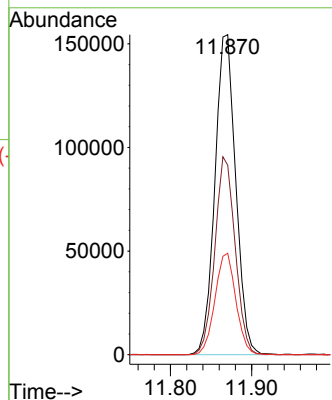
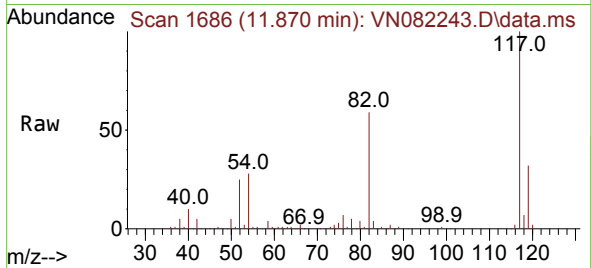




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.870 min Scan# 117
Delta R.T. 0.006 min
Lab File: VN082243.D
Acq: 21 May 2024 16:17

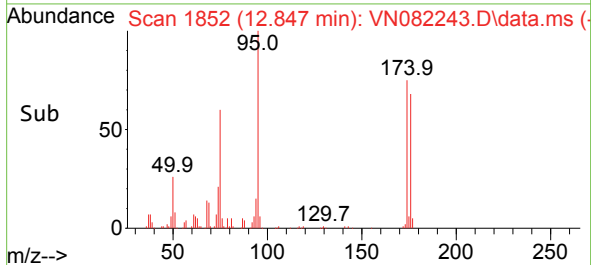
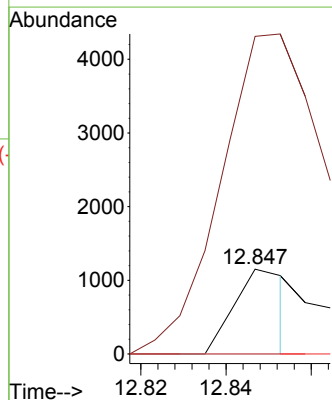
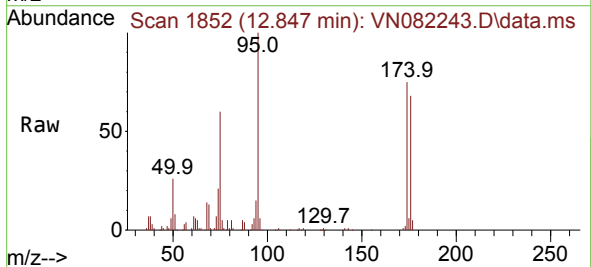
Instrument :
MSVOA_N
ClientSampleId :
PB161006TB

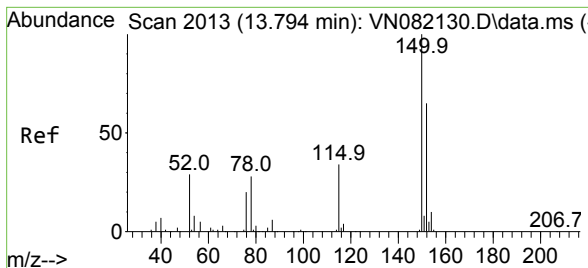
Tgt Ion:117 Resp: 275676
Ion Ratio Lower Upper
117 100
82 59.2 44.6 66.8
119 31.7 25.9 38.9



#71
Bromoform
Concen: 1.308 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. 0.271 min
Lab File: VN082243.D
Acq: 21 May 2024 16:17

Tgt Ion:173 Resp: 983
Ion Ratio Lower Upper
173 100
175 0.0 24.6 74.0#
254 0.0 0.0 0.0

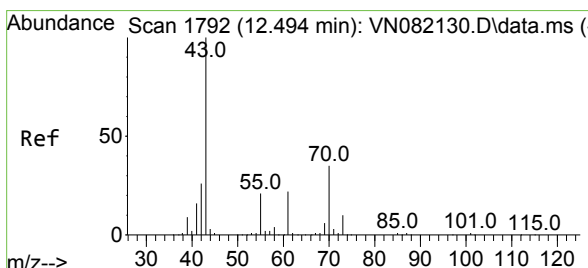
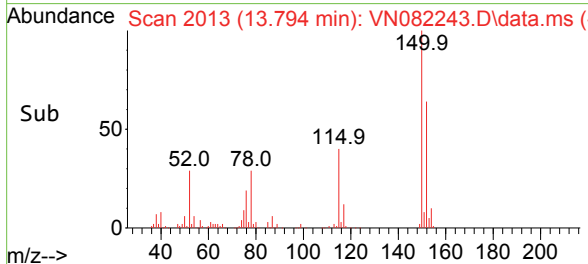
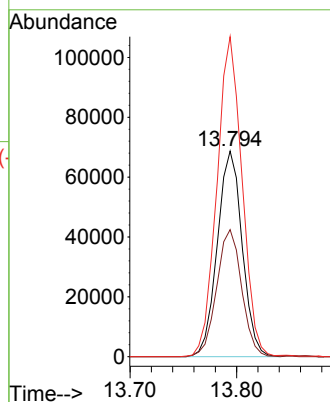
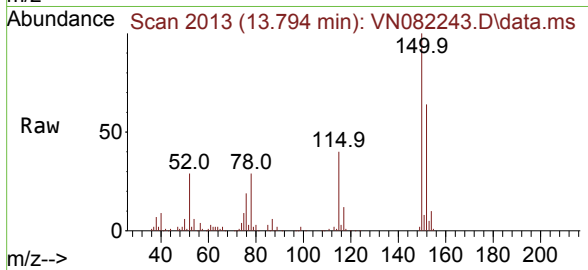




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.794 min Scan# 20
 Delta R.T. -0.000 min
 Lab File: VN082243.D
 Acq: 21 May 2024 16:17

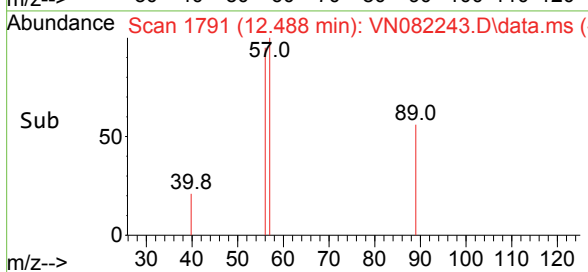
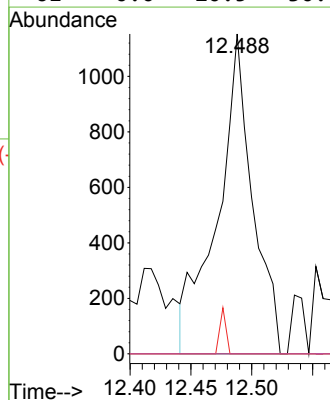
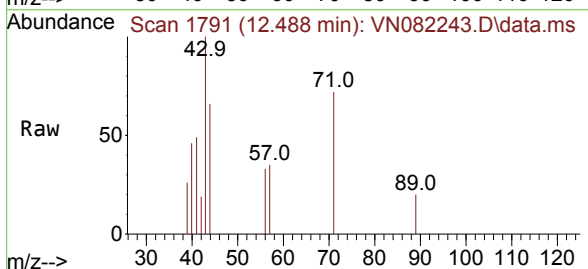
Instrument :
 MSVOA_N
 ClientSampleId :
 PB161006TB

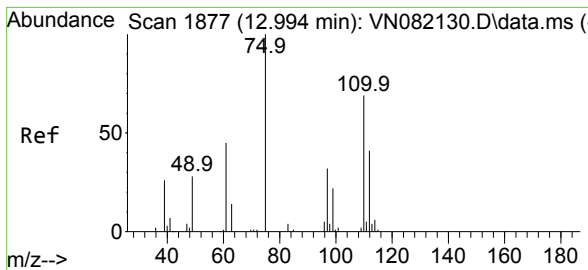
Tgt Ion:152 Resp: 111419
 Ion Ratio Lower Upper
 152 100
 115 61.9 30.4 91.3
 150 157.5 0.0 353.2



#74
 N-ethyl acetate
 Concen: 0.474 ug/l
 RT: 12.488 min Scan# 1791
 Delta R.T. -0.006 min
 Lab File: VN082243.D
 Acq: 21 May 2024 16:17

Tgt Ion: 43 Resp: 2309
 Ion Ratio Lower Upper
 43 100
 70 0.0 39.0 58.4#
 55 2.6 21.3 31.9#
 61 0.0 20.5 30.7#

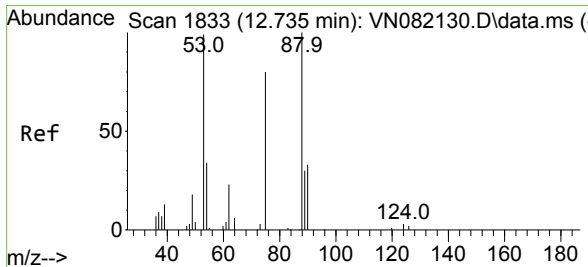
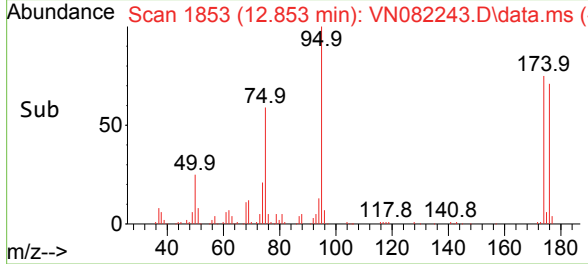
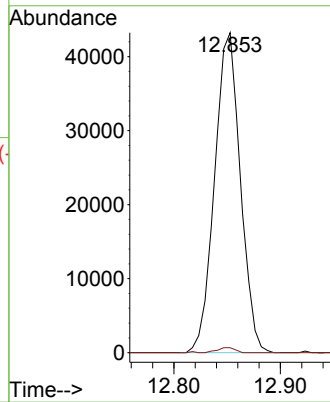
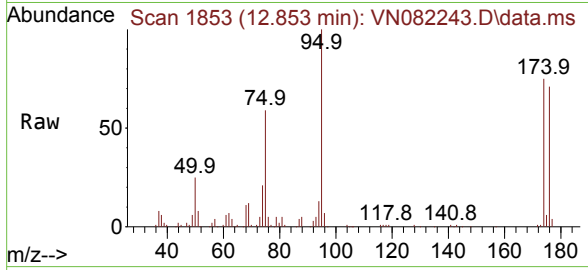




#76
1,2,3-Trichloropropane
Concen: 30.945 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. -0.141 min
Lab File: VN082243.D
Acq: 21 May 2024 16:17

Instrument :
MSVOA_N
ClientSampleId :
PB161006TB

Tgt Ion: 75 Resp: 72569
Ion Ratio Lower Upper
75 100
77 1.1 90.5 271.3#



#81
trans-1,4-Dichloro-2-butene
Concen: 72.379 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. 0.117 min
Lab File: VN082243.D
Acq: 21 May 2024 16:17

Tgt Ion: 75 Resp: 72569
Ion Ratio Lower Upper
75 100
53 0.0 72.9 109.3#
89 0.0 39.1 58.7#

