

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN052224\
 Data File : VN082299.D
 Acq On : 22 May 2024 17:51
 Operator : JC\MD
 Sample : PB161037ZHE#12
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: May 23 01:55:31 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)

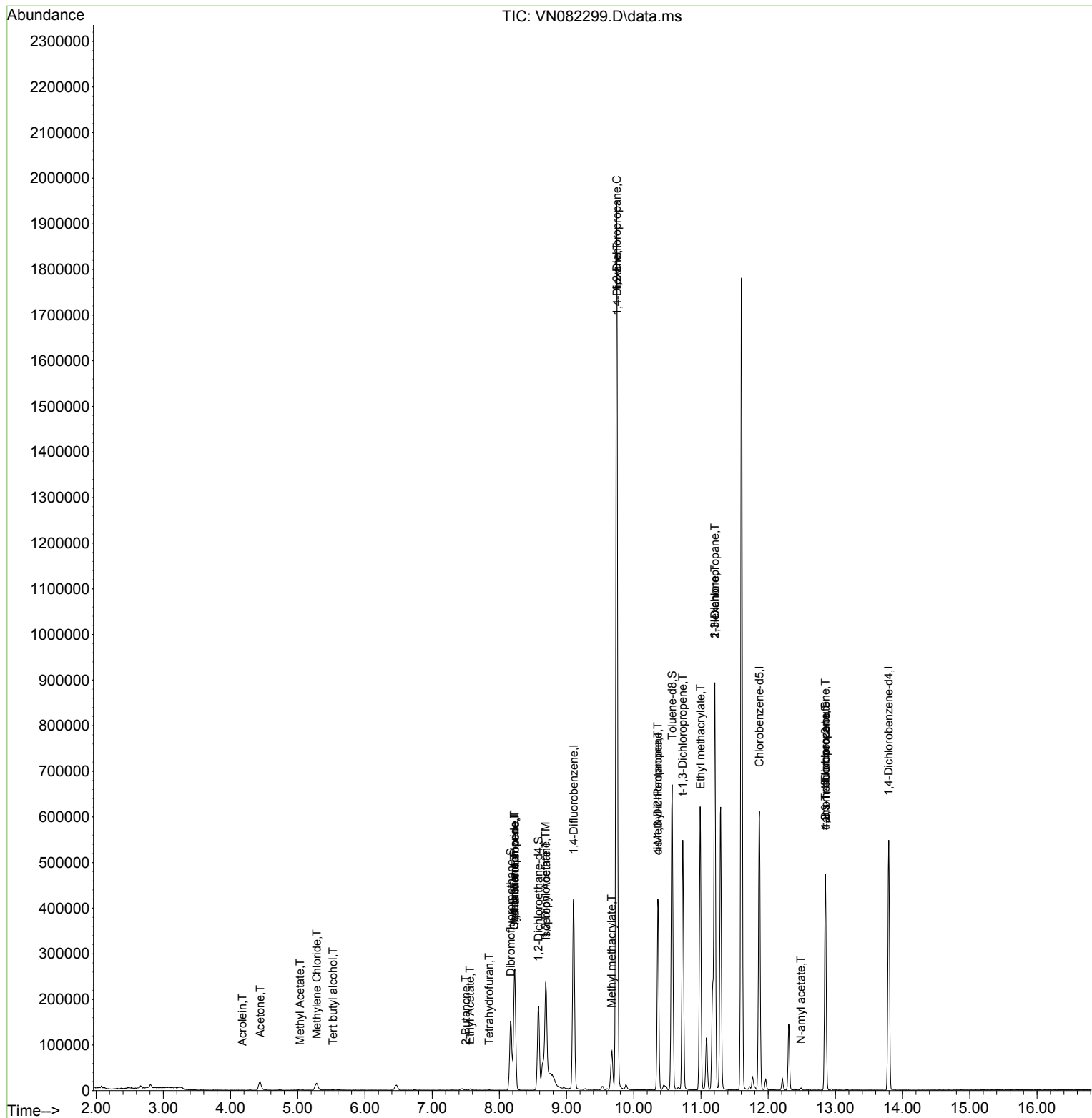
Internal Standards						
1) Pentafluorobenzene	8.230	168	182158	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	329160	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.871	117	319474	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	134490	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.582	65	151066	52.521	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	= 105.040%	
35) Dibromofluoromethane	8.171	113	105046	51.879	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 103.760%	
50) Toluene-d8	10.571	98	423699	54.579	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	= 109.160%	
62) 4-Bromofluorobenzene	12.853	95	152127	54.903	ug/l	0.00
Spiked Amount	50.000	Range	64 - 133	Recovery	= 109.800%	
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	5.524	59	207	0.448	ug/l #	71
13) Acrolein	4.177	56	121	0.354	ug/l #	15
16) Acetone	4.442	43	35871	30.401	ug/l	94
18) Methyl Acetate	5.036	43	4441	1.511	ug/l #	53
20) Methylene Chloride	5.283	84	10660	4.478	ug/l #	80
25) 2-Butanone	7.500	43	2976	1.664	ug/l #	85
29) Tetrahydrofuran	7.847	42	535	0.466	ug/l #	38
31) Cyclohexane	8.224	56	5286	1.151	ug/l #	44
36) 1,1-Dichloropropene	8.230	75	17655	5.199	ug/l #	49
37) Ethyl Acetate	7.565	43	5289	1.392	ug/l #	89
38) Carbon Tetrachloride	8.224	117	20293	5.895	ug/l #	15
42) 1,2-Dichloroethane	8.688	62	1509	0.387	ug/l #	73
43) Isopropyl Acetate	8.694	43	341546	50.718	ug/l #	72
45) 1,2-Dichloropropane	9.747	63	2375	0.909	ug/l #	45
48) Methyl methacrylate	9.671	41	6113	1.905	ug/l #	37
49) 1,4-Dioxane	9.753	88	69	1.535	ug/l #	1
51) 4-Methyl-2-Pentanone	10.359	43	172815	45.166	ug/l #	43
53) t-1,3-Dichloropropene	10.729	75	1038	0.277	ug/l #	59
54) cis-1,3-Dichloropropene	10.359	75	64701	16.320	ug/l #	71
56) Ethyl methacrylate	10.994	69	1600	0.427	ug/l #	1
57) 1,3-Dichloropropane	11.206	76	8399	2.034	ug/l #	42
59) 2-Hexanone	11.206	43	117093	41.796	ug/l #	51
74) N-amyl acetate	12.488	43	2407	0.410	ug/l #	39
76) 1,2,3-Trichloropropane	12.853	75	89251	31.530	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.853	75	89251	73.747	ug/l #	12

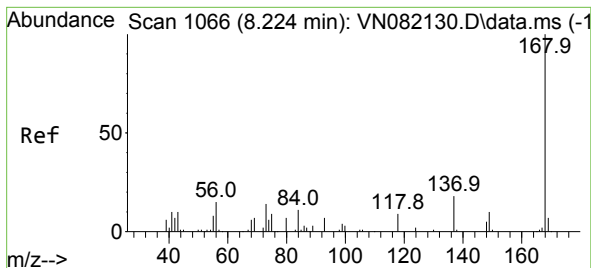
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN052224\
Data File : VN082299.D
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Sample : PB161037ZHE#12
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 19 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :

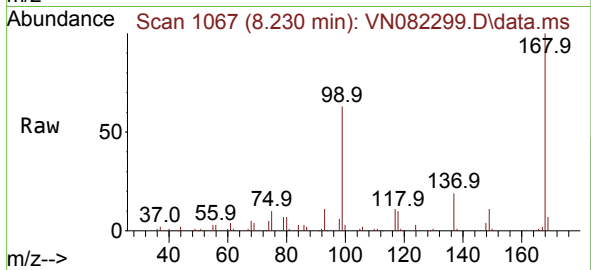
Quant Time: May 23 01:55:31 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N051524W.M
Quant Title : SW846 8260
QLast Update : Thu May 16 05:21:06 2024
Response via : Initial Calibration



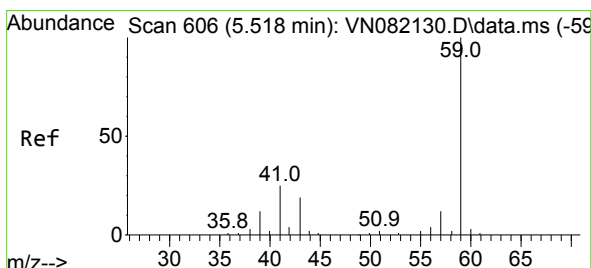
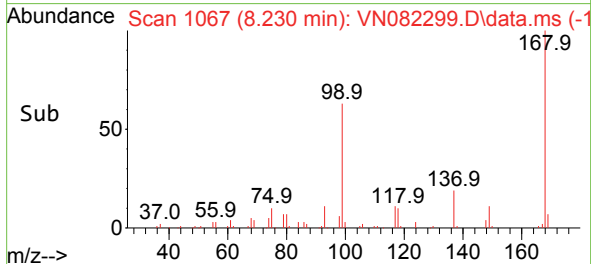
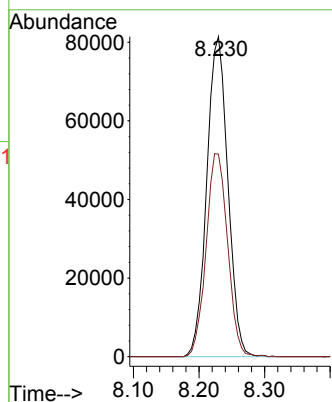


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.230 min Scan# 1066
Delta R.T. 0.006 min
Lab File: VN082299.D
Acq: 22 May 2024 17:51

Instrument :
MSVOA_N
ClientSampleId :

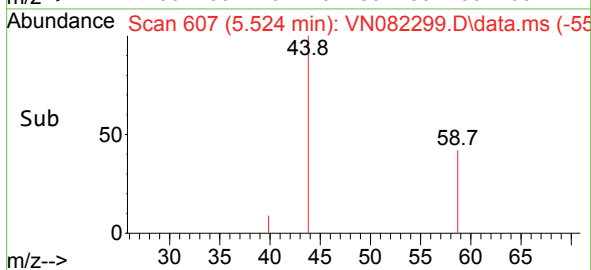
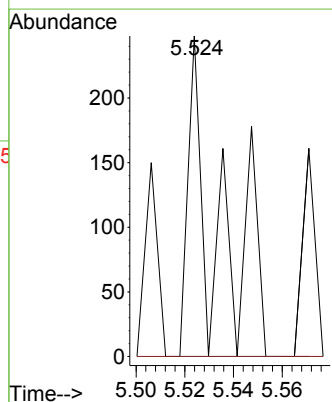
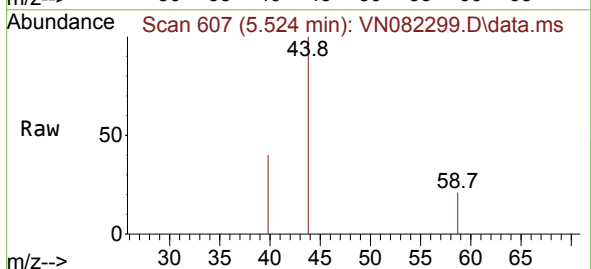


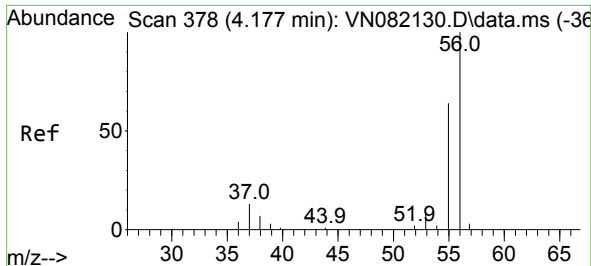
Tgt Ion:168 Resp: 182158
Ion Ratio Lower Upper
168 100
99 63.3 48.2 72.4



#11
Tert butyl alcohol
Concen: 0.448 ug/l
RT: 5.524 min Scan# 607
Delta R.T. 0.006 min
Lab File: VN082299.D
Acq: 22 May 2024 17:51

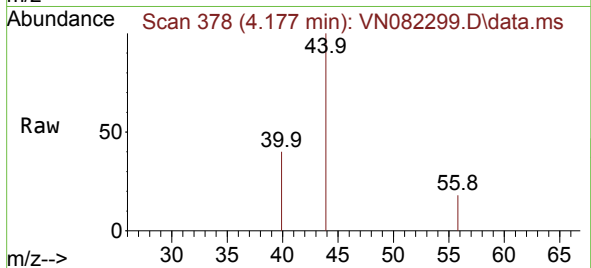
Tgt Ion: 59 Resp: 207
Ion Ratio Lower Upper
59 100
57 0.0 8.9 13.3#



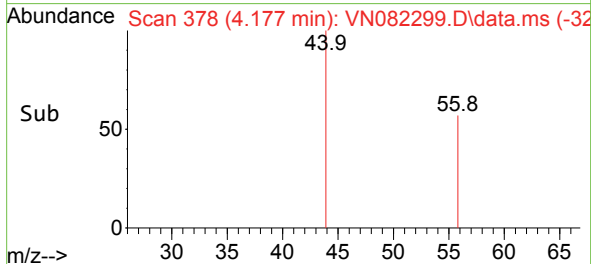
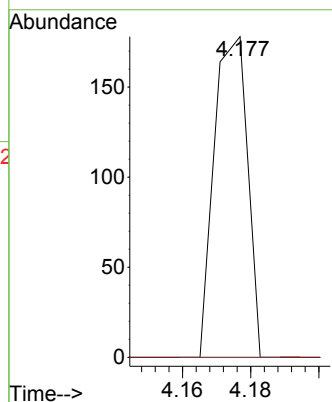


#13
Acrolein
Concen: 0.354 ug/l
RT: 4.177 min Scan# 31
Delta R.T. -0.000 min
Lab File: VN082299.D
Acq: 22 May 2024 17:51

Instrument :
MSVOA_N
ClientSampleId :

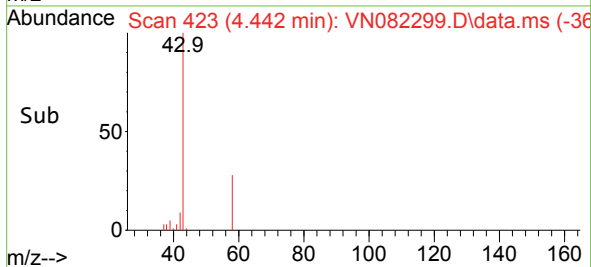
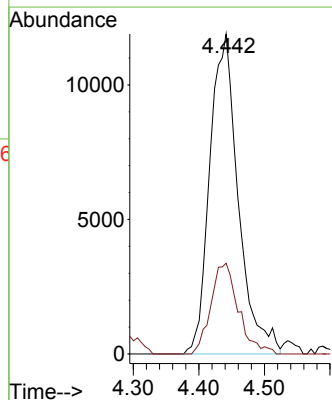
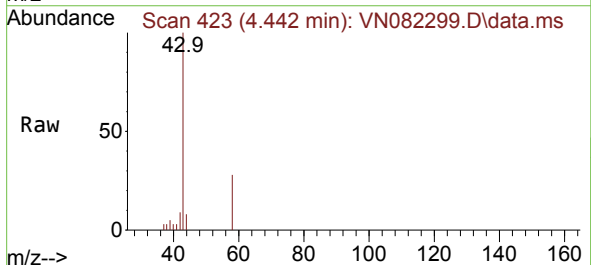


Tgt Ion: 56 Resp: 121
Ion Ratio Lower Upper
56 100
55 0.0 55.8 83.8#



#16
Acetone
Concen: 30.401 ug/l
RT: 4.442 min Scan# 423
Delta R.T. 0.018 min
Lab File: VN082299.D
Acq: 22 May 2024 17:51

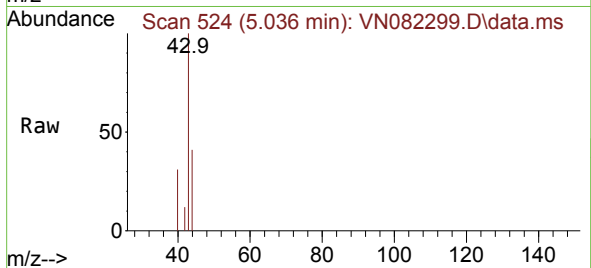
Tgt Ion: 43 Resp: 35871
Ion Ratio Lower Upper
43 100
58 28.4 25.2 37.8



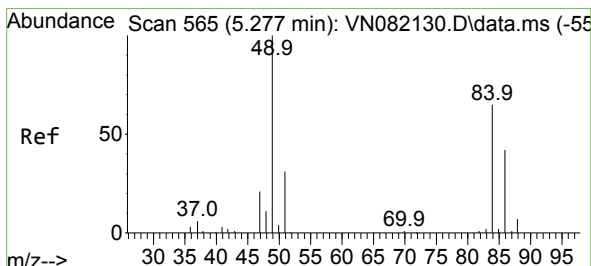
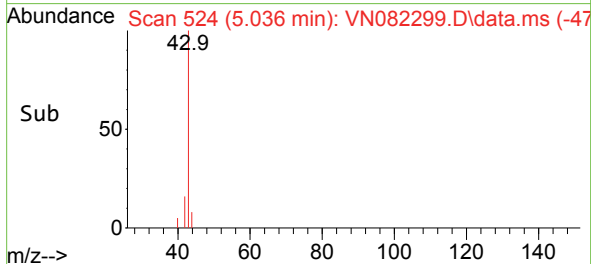
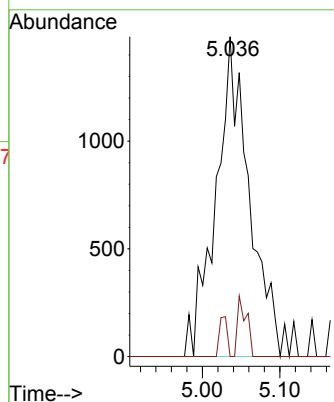


#18
Methyl Acetate
Concen: 1.511 ug/l
RT: 5.036 min Scan# 51
Delta R.T. 0.012 min
Lab File: VN082299.D
Acq: 22 May 2024 17:51

Instrument :
MSVOA_N
ClientSampleId :

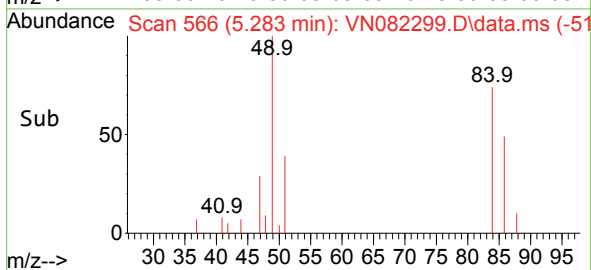
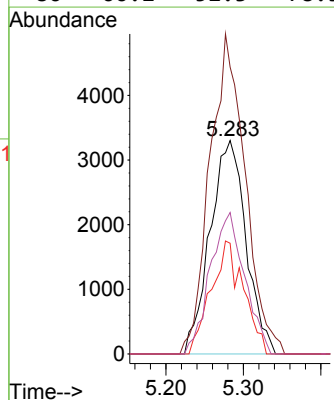
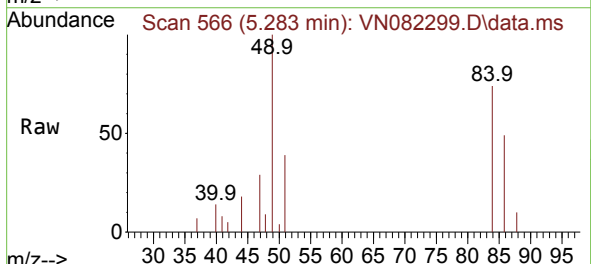


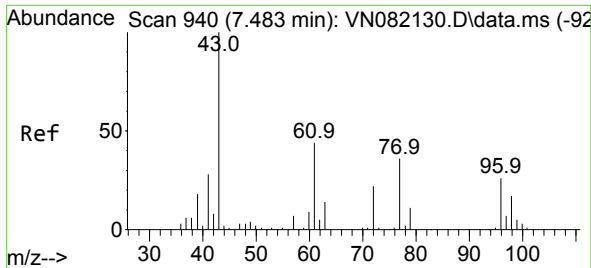
Tgt Ion: 43 Resp: 4441
Ion Ratio Lower Upper
43 100
74 2.9 22.2 33.2#



#20
Methylene Chloride
Concen: 4.478 ug/l
RT: 5.283 min Scan# 566
Delta R.T. 0.006 min
Lab File: VN082299.D
Acq: 22 May 2024 17:51

Tgt Ion: 84 Resp: 10660
Ion Ratio Lower Upper
84 100
49 134.4 84.9 127.3#
51 51.9 27.0 40.6#
86 66.2 52.3 78.5

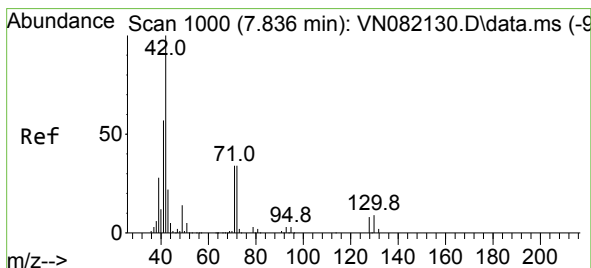
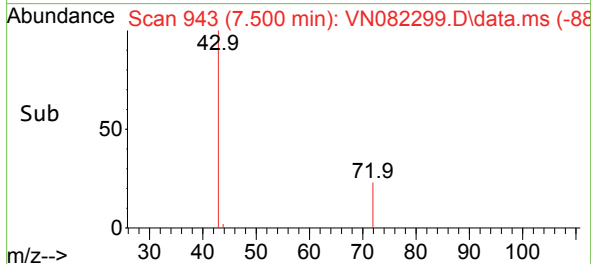
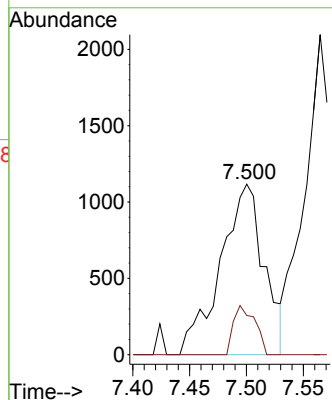
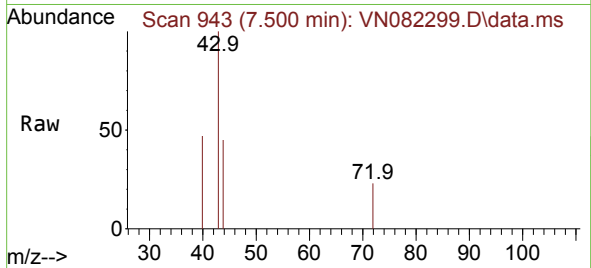




#25
2-Butanone
Concen: 1.664 ug/l
RT: 7.500 min Scan# 94
Delta R.T. 0.018 min
Lab File: VN082299.D
Acq: 22 May 2024 17:51

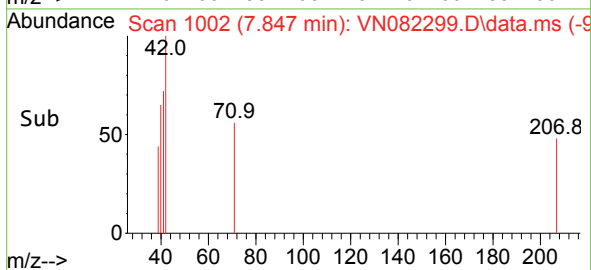
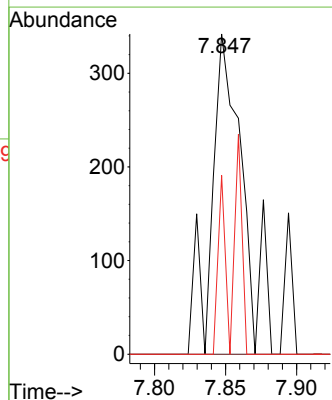
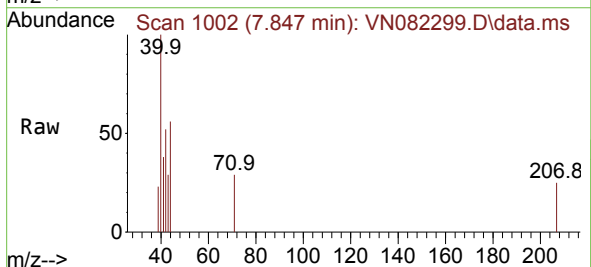
Instrument :
MSVOA_N
ClientSampleId :

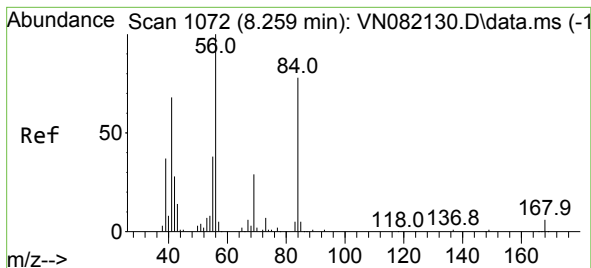
Tgt Ion: 43 Resp: 2976
Ion Ratio Lower Upper
43 100
72 23.0 25.3 37.9#



#29
Tetrahydrofuran
Concen: 0.466 ug/l
RT: 7.847 min Scan# 1002
Delta R.T. 0.011 min
Lab File: VN082299.D
Acq: 22 May 2024 17:51

Tgt Ion: 42 Resp: 535
Ion Ratio Lower Upper
42 100
72 0.0 39.3 58.9#
71 12.5 37.4 56.0#





#31

Cyclohexane

Concen: 1.151 ug/l

RT: 8.224 min Scan# 1066

Delta R.T. -0.035 min

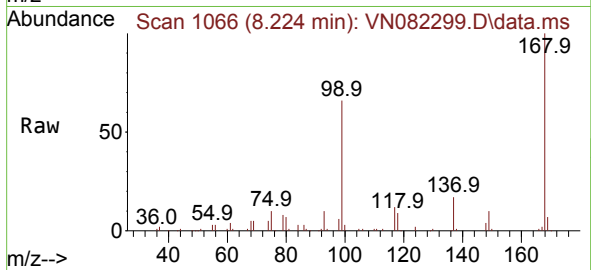
Lab File: VN082299.D

Acq: 22 May 2024 17:51

Instrument :

MSVOA_N

ClientSampleId :



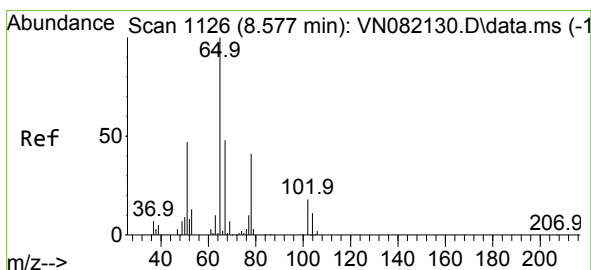
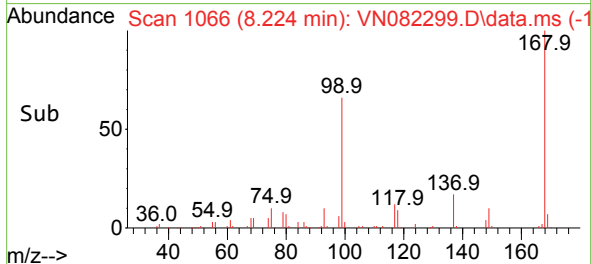
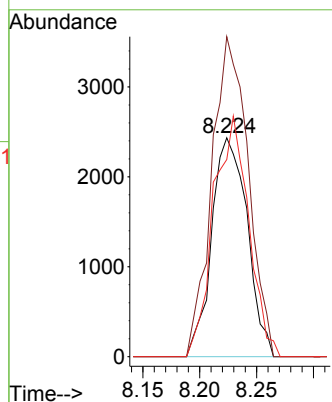
Tgt Ion: 56 Resp: 5286

Ion Ratio Lower Upper

56 100

69 146.2 24.4 36.6#

84 90.0 77.0 115.4



#33

1,2-Dichloroethane-d4

Concen: 52.521 ug/l

RT: 8.582 min Scan# 1127

Delta R.T. 0.006 min

Lab File: VN082299.D

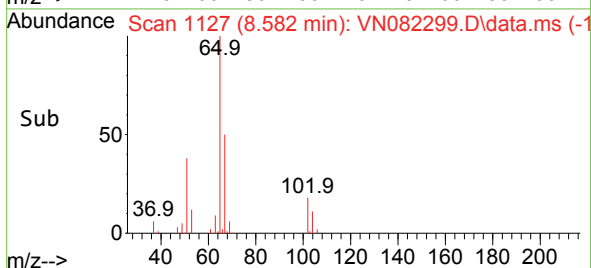
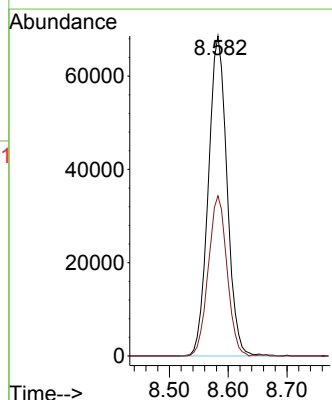
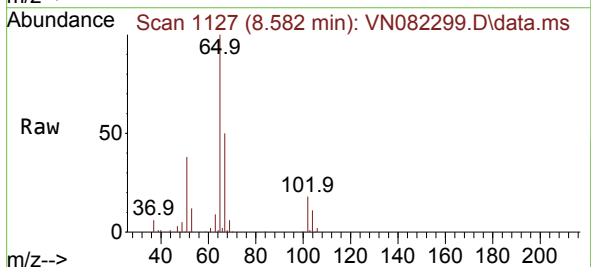
Acq: 22 May 2024 17:51

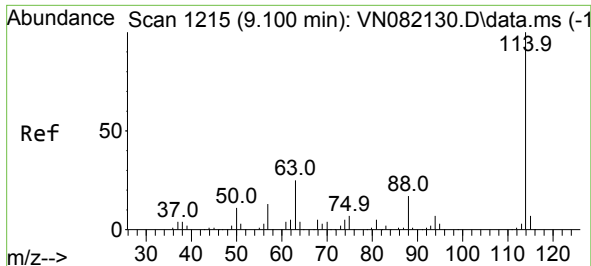
Tgt Ion: 65 Resp: 151066

Ion Ratio Lower Upper

65 100

67 50.2 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: VN082299.D

Acq: 22 May 2024 17:51

Instrument :

MSVOA_N

ClientSampleId :

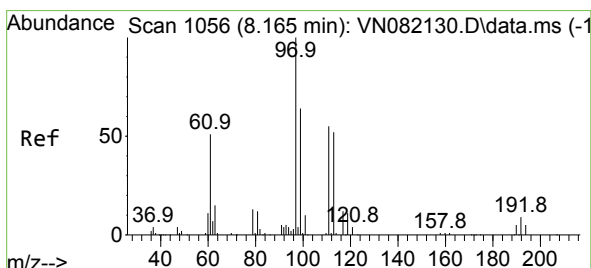
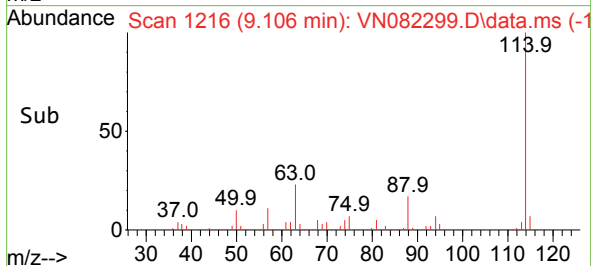
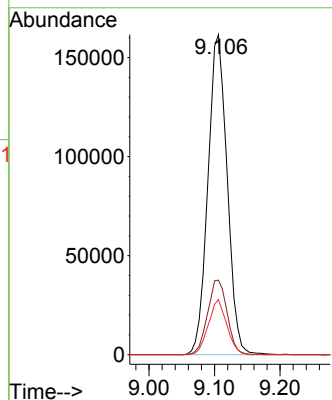
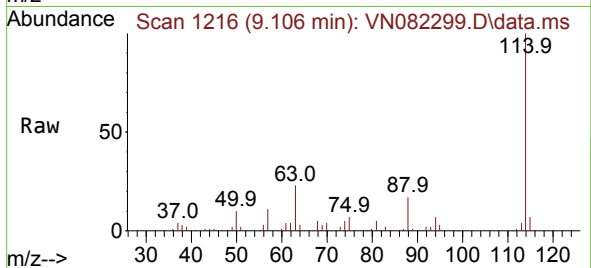
Tgt Ion:114 Resp: 329160

Ion Ratio Lower Upper

114 100

63 23.3 0.0 41.0

88 17.2 0.0 31.4



#35

Dibromofluoromethane

Concen: 51.879 ug/l

RT: 8.171 min Scan# 1057

Delta R.T. 0.006 min

Lab File: VN082299.D

Acq: 22 May 2024 17:51

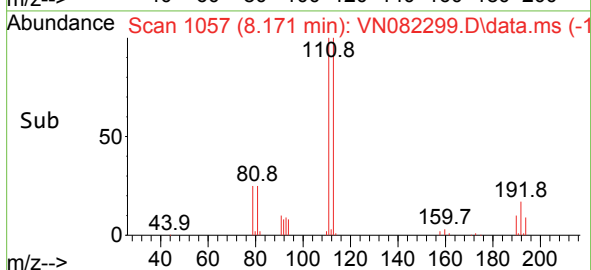
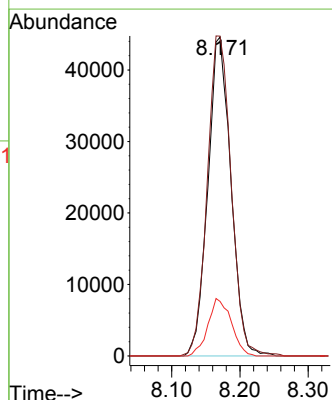
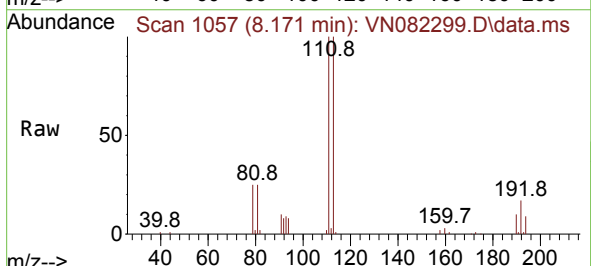
Tgt Ion:113 Resp: 105046

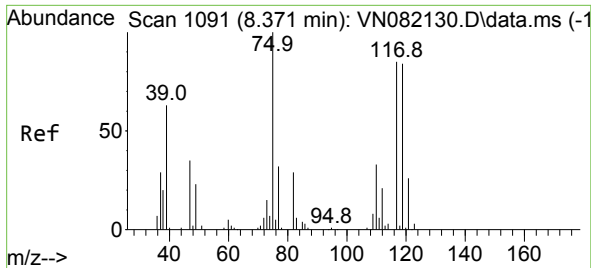
Ion Ratio Lower Upper

113 100

111 103.9 83.4 125.2

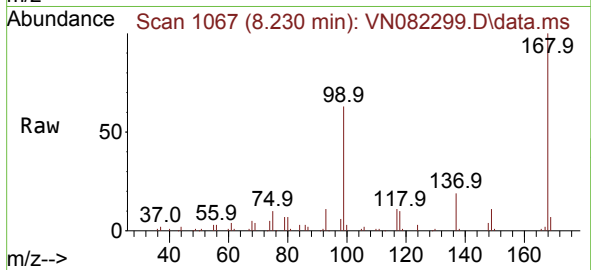
192 18.3 14.0 21.0



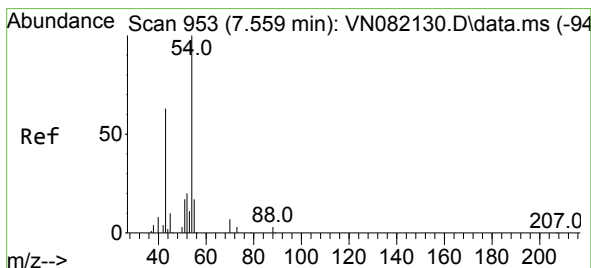
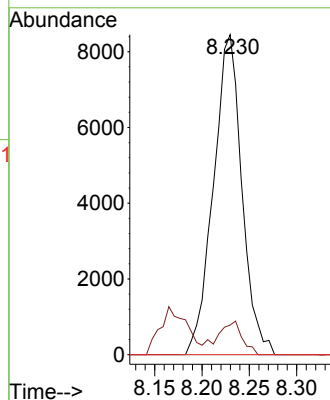
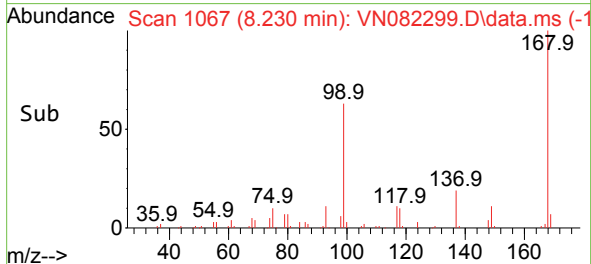


#36
1,1-Dichloropropene
Concen: 5.199 ug/l
RT: 8.230 min Scan# 1067
Delta R.T. -0.141 min
Lab File: VN082299.D
Acq: 22 May 2024 17:51

Instrument :
MSVOA_N
ClientSampleId :

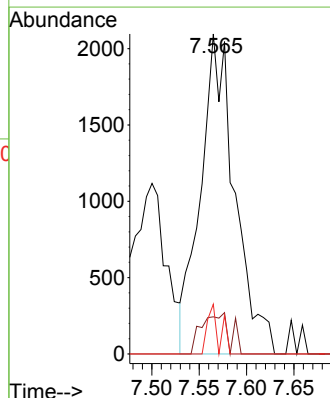
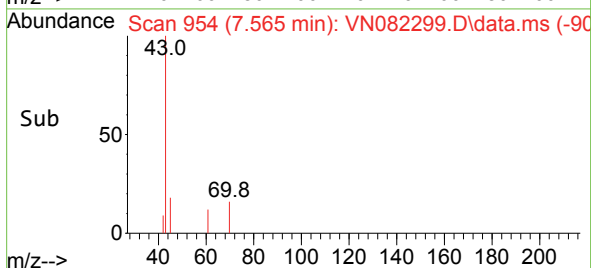
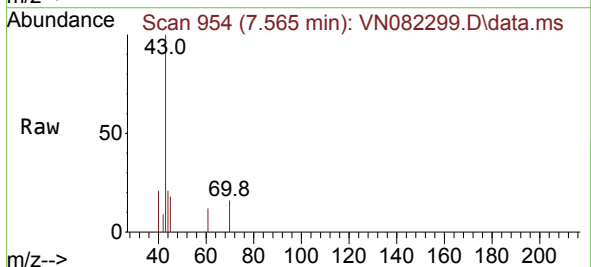


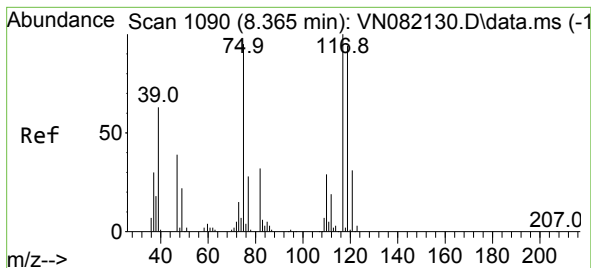
Tgt Ion: 75 Resp: 17655
Ion Ratio Lower Upper
75 100
110 9.1 17.8 53.5#
77 0.0 25.0 37.4#



#37
Ethyl Acetate
Concen: 1.392 ug/l
RT: 7.565 min Scan# 954
Delta R.T. 0.006 min
Lab File: VN082299.D
Acq: 22 May 2024 17:51

Tgt Ion: 43 Resp: 5289
Ion Ratio Lower Upper
43 100
61 10.5 11.3 16.9#
70 5.4 8.7 13.1#





#38

Carbon Tetrachloride

Concen: 5.895 ug/l

RT: 8.224 min Scan# 1066

Delta R.T. -0.141 min

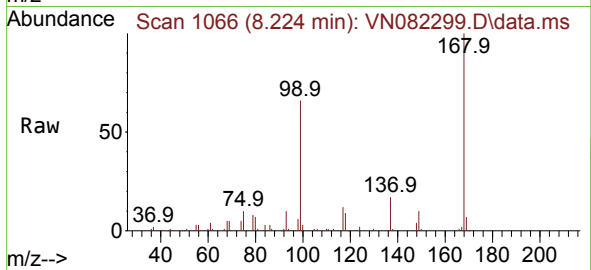
Lab File: VN082299.D

Acq: 22 May 2024 17:51

Instrument :

MSVOA_N

ClientSampleId :



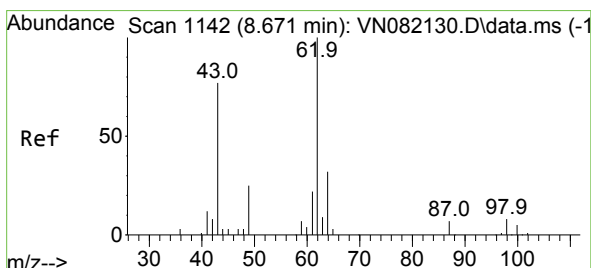
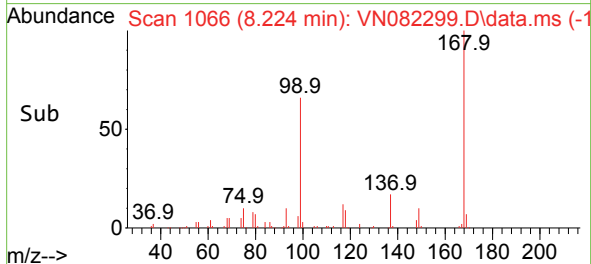
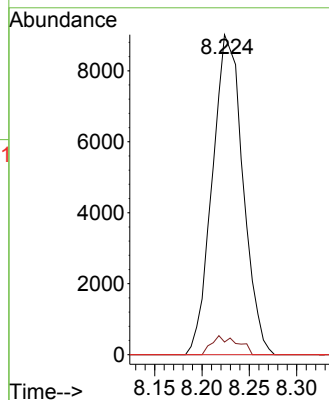
Tgt Ion:117 Resp: 20293

Ion Ratio Lower Upper

117 100

119 3.9 76.5 114.7#

121 0.0 23.9 35.9#



#42

1,2-Dichloroethane

Concen: 0.387 ug/l

RT: 8.688 min Scan# 1145

Delta R.T. 0.018 min

Lab File: VN082299.D

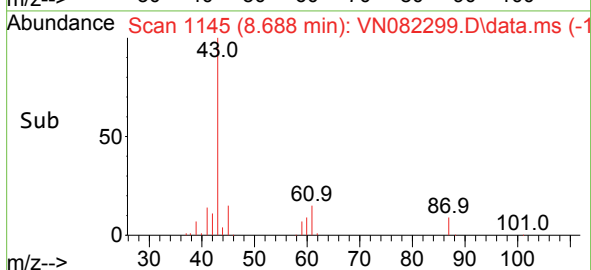
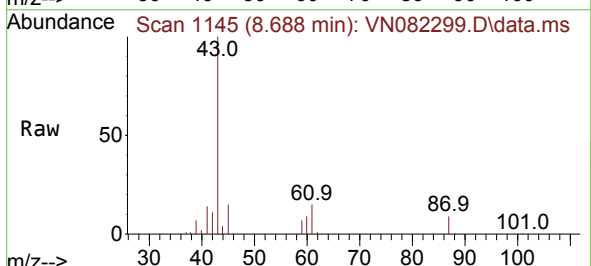
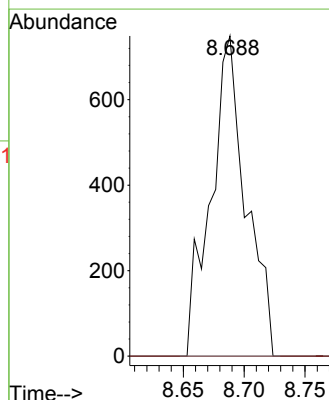
Acq: 22 May 2024 17:51

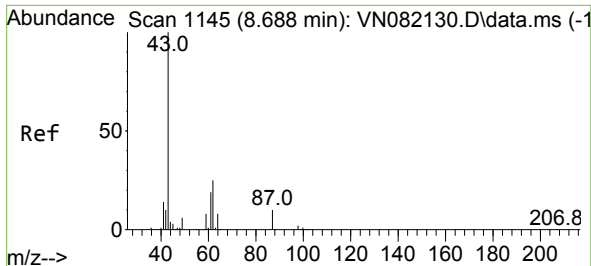
Tgt Ion: 62 Resp: 1509

Ion Ratio Lower Upper

62 100

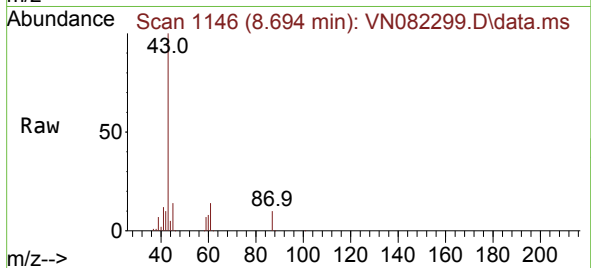
98 0.0 0.0 19.6



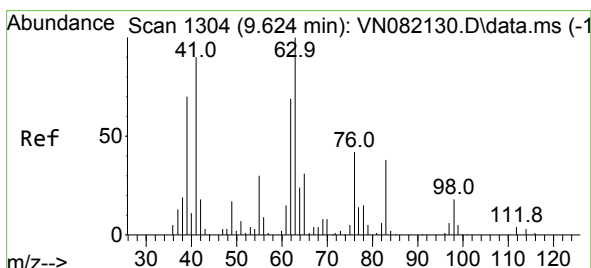
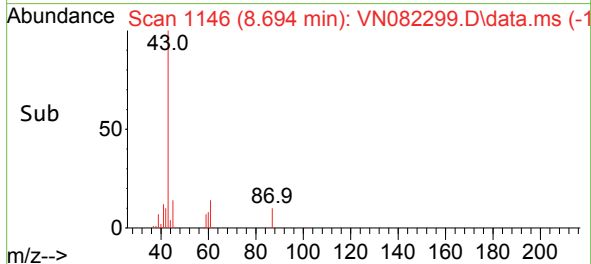
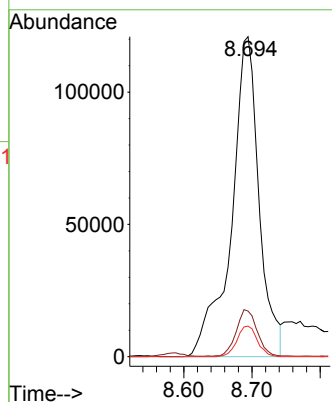


#43
Isopropyl Acetate
Concen: 50.718 ug/l
RT: 8.694 min Scan# 1145
Delta R.T. 0.006 min
Lab File: VN082299.D
Acq: 22 May 2024 17:51

Instrument :
MSVOA_N
ClientSampleId :

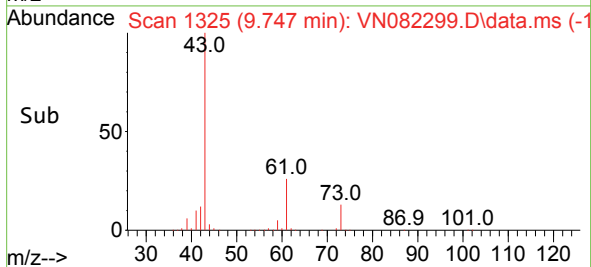
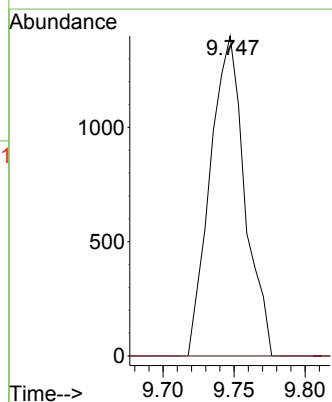
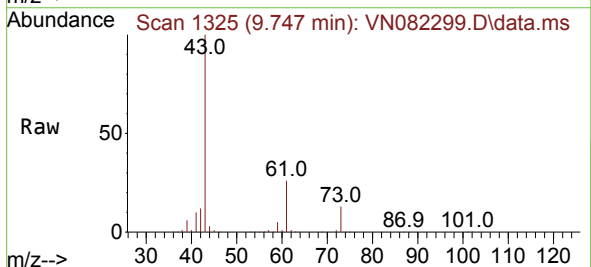


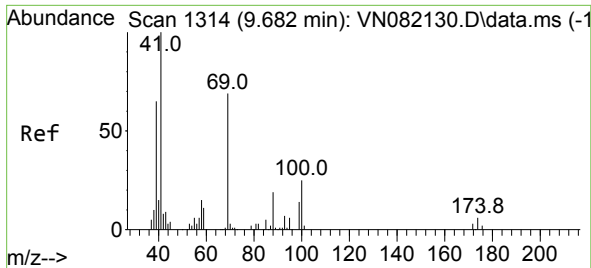
Tgt Ion: 43 Resp: 341546
Ion Ratio Lower Upper
43 100
61 11.2 22.8 34.2#
87 7.0 12.0 18.0#



#45
1,2-Dichloropropane
Concen: 0.909 ug/l
RT: 9.747 min Scan# 1325
Delta R.T. 0.123 min
Lab File: VN082299.D
Acq: 22 May 2024 17:51

Tgt Ion: 63 Resp: 2375
Ion Ratio Lower Upper
63 100
65 0.0 24.1 36.1#

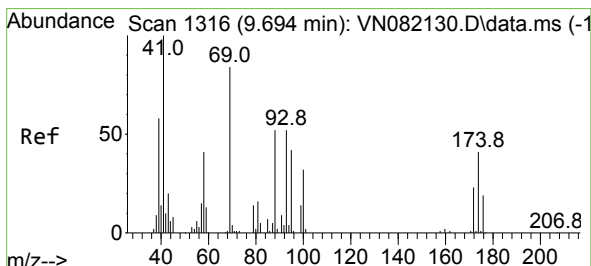
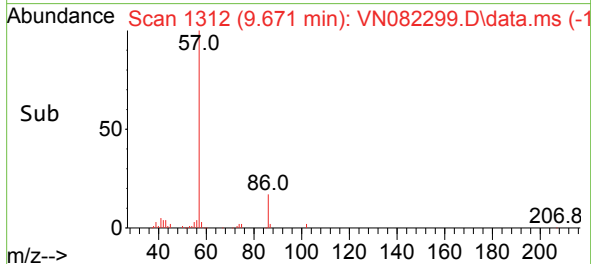
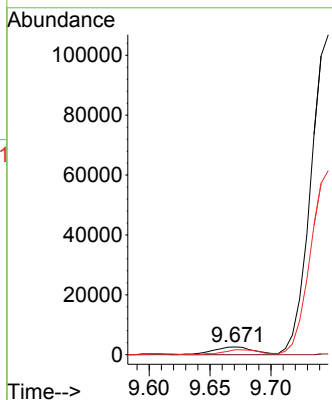
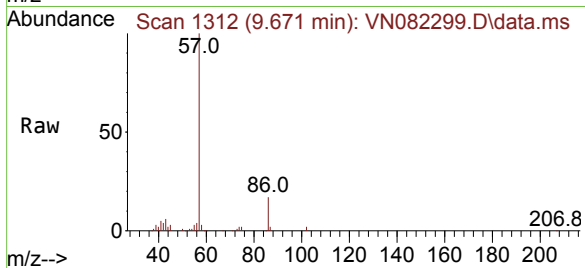




#48
Methyl methacrylate
Concen: 1.905 ug/l
RT: 9.671 min Scan# 11
Delta R.T. -0.012 min
Lab File: VN082299.D
Acq: 22 May 2024 17:51

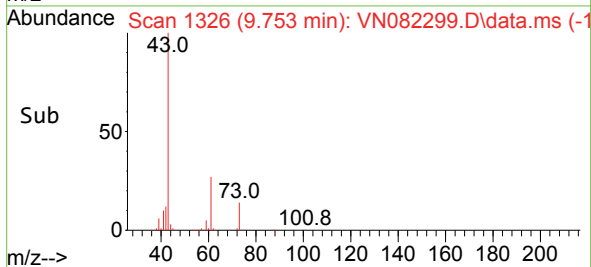
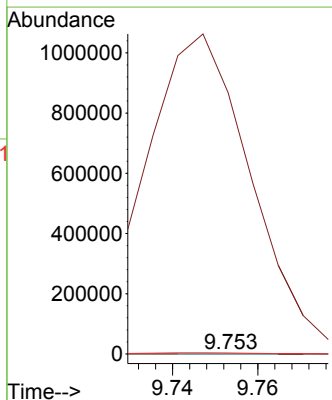
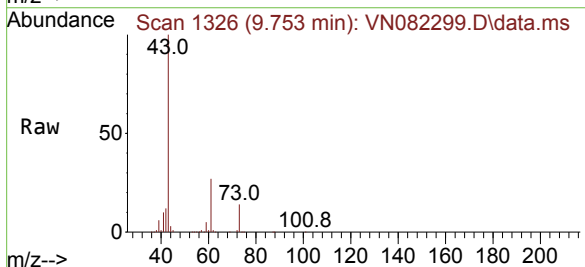
Instrument :
MSVOA_N
ClientSampleId :

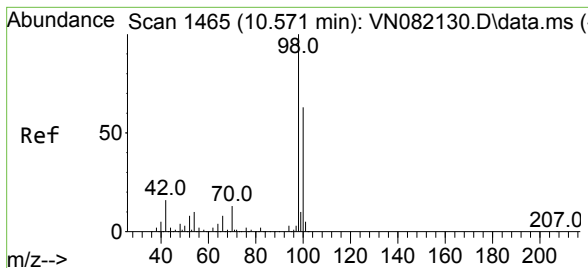
Tgt Ion: 41 Resp: 6113
Ion Ratio Lower Upper
41 100
69 0.0 77.9 116.9#
39 56.7 50.9 76.3



#49
1,4-Dioxane
Concen: 1.535 ug/l
RT: 9.753 min Scan# 1326
Delta R.T. 0.059 min
Lab File: VN082299.D
Acq: 22 May 2024 17:51

Tgt Ion: 88 Resp: 69
Ion Ratio Lower Upper
88 100
43 2763156.5 19.0 28.6#
58 10539.1 50.6 76.0#

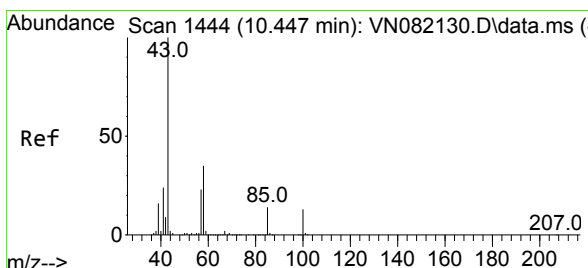
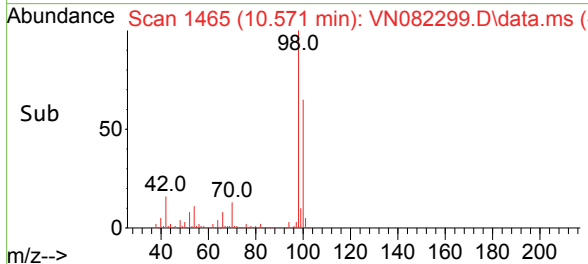
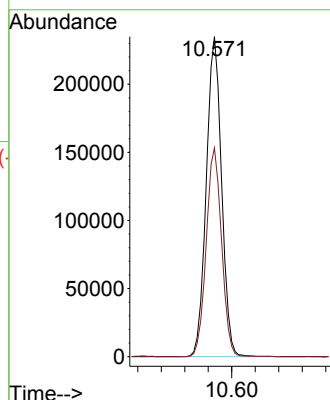
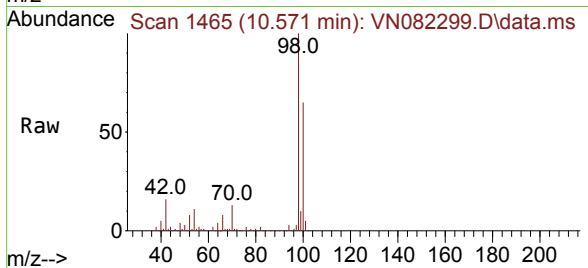




#50
Toluene-d8
Concen: 54.579 ug/l
RT: 10.571 min Scan# 1465
Delta R.T. -0.000 min
Lab File: VN082299.D
Acq: 22 May 2024 17:51

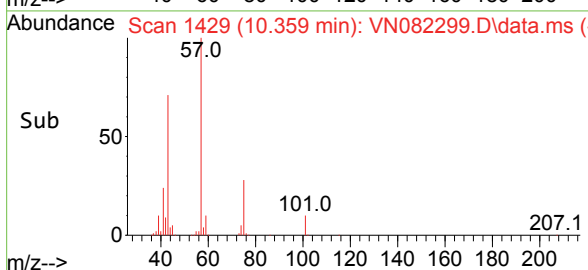
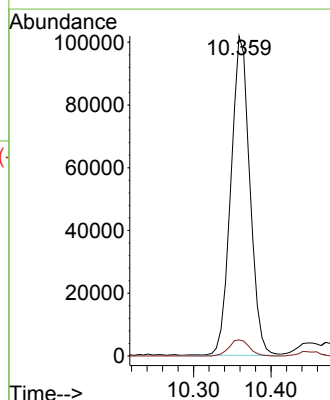
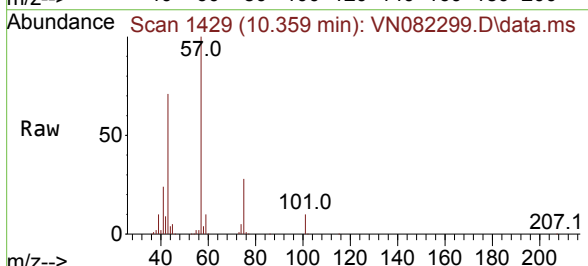
Instrument :
MSVOA_N
ClientSampleId :

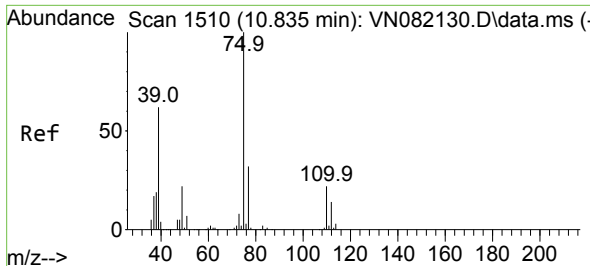
Tgt Ion: 98 Resp: 423699
Ion Ratio Lower Upper
98 100
100 65.5 51.8 77.6



#51
4-Methyl-2-Pentanone
Concen: 45.166 ug/l
RT: 10.359 min Scan# 1429
Delta R.T. -0.088 min
Lab File: VN082299.D
Acq: 22 May 2024 17:51

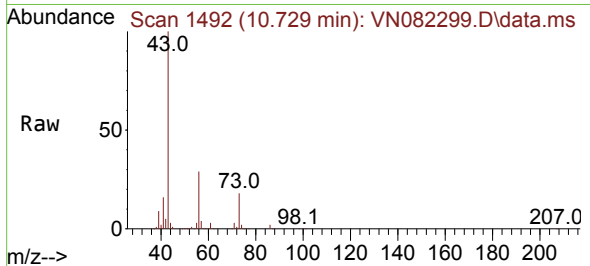
Tgt Ion: 43 Resp: 172815
Ion Ratio Lower Upper
43 100
58 5.4 33.2 49.8#



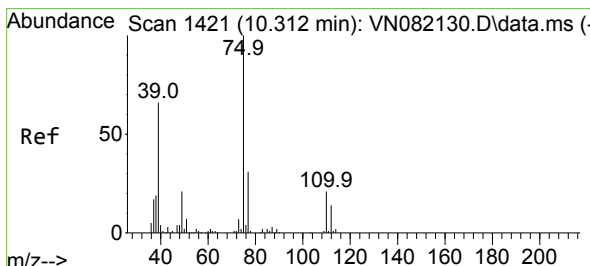
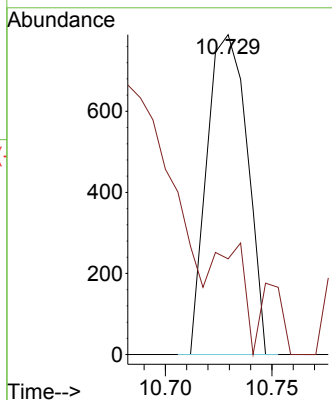
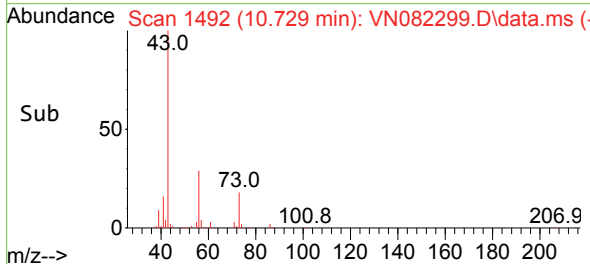


#53
t-1,3-Dichloropropene
Concen: 0.277 ug/l
RT: 10.729 min Scan# 1492
Delta R.T. -0.106 min
Lab File: VN082299.D
Acq: 22 May 2024 17:51

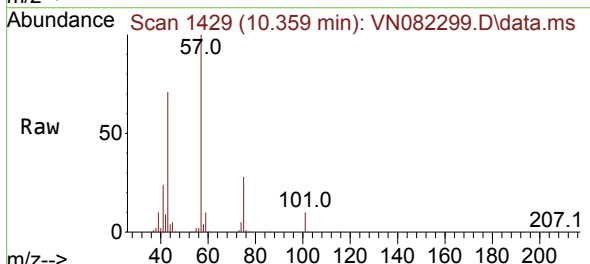
Instrument :
MSVOA_N
ClientSampleId :



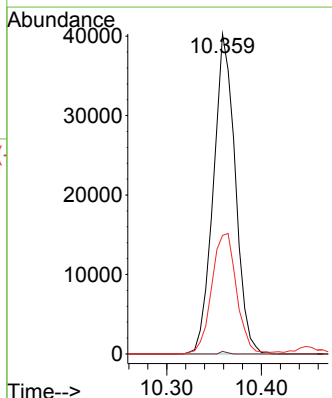
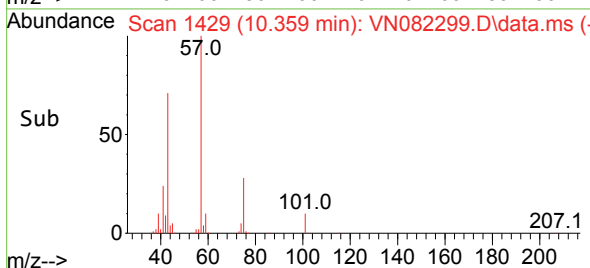
Tgt Ion: 75 Resp: 1038
Ion Ratio Lower Upper
75 100
77 8.9 25.4 38.0#

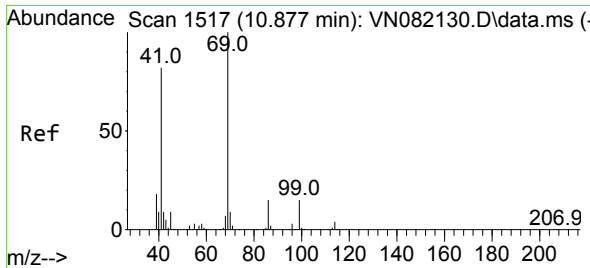


#54
cis-1,3-Dichloropropene
Concen: 16.320 ug/l
RT: 10.359 min Scan# 1429
Delta R.T. 0.047 min
Lab File: VN082299.D
Acq: 22 May 2024 17:51



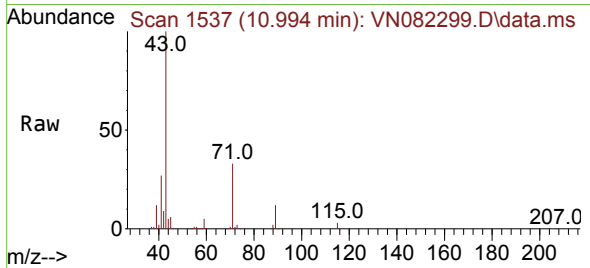
Tgt Ion: 75 Resp: 64701
Ion Ratio Lower Upper
75 100
77 0.8 25.0 37.4#
39 37.0 34.8 52.2



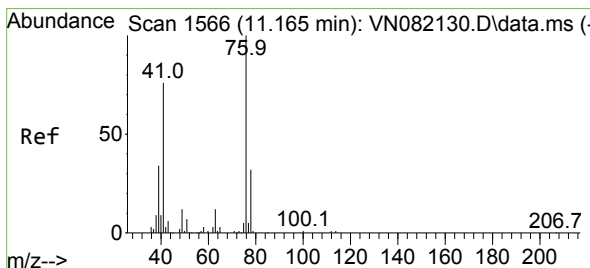
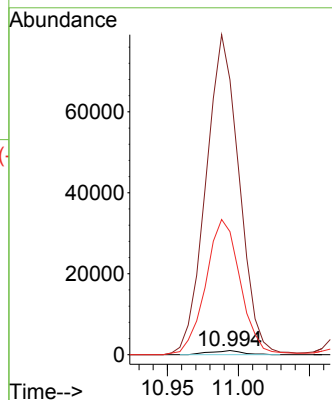
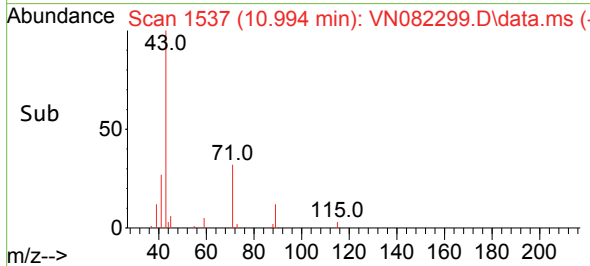


#56
Ethyl methacrylate
Concen: 0.427 ug/l
RT: 10.994 min Scan# 1537
Delta R.T. 0.118 min
Lab File: VN082299.D
Acq: 22 May 2024 17:51

Instrument :
MSVOA_N
ClientSampleId :

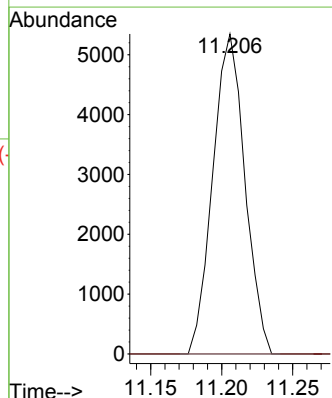
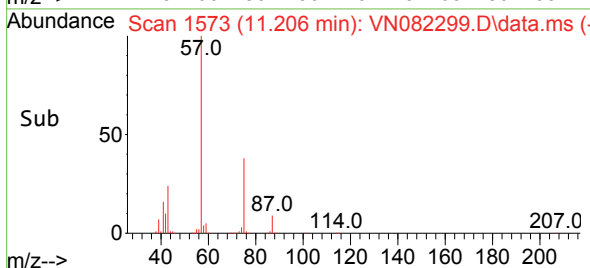
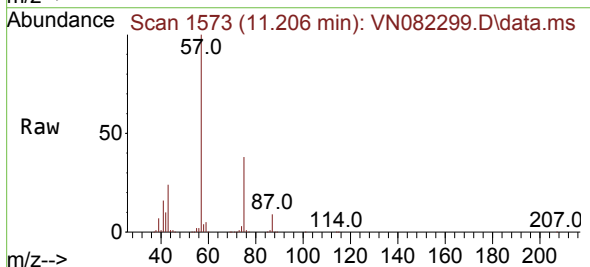


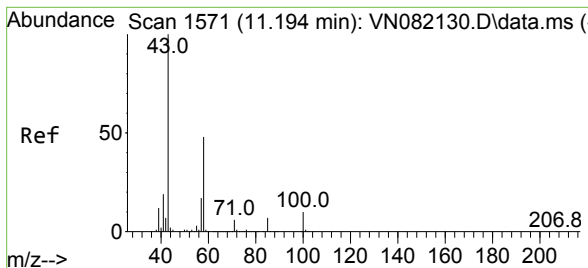
Tgt Ion: 69 Resp: 1600
Ion Ratio Lower Upper
69 100
41 8060.1 46.6 70.0#
39 3559.1 26.5 39.7#



#57
1,3-Dichloropropane
Concen: 2.034 ug/l
RT: 11.206 min Scan# 1573
Delta R.T. 0.041 min
Lab File: VN082299.D
Acq: 22 May 2024 17:51

Tgt Ion: 76 Resp: 8399
Ion Ratio Lower Upper
76 100
78 0.0 25.8 38.6#

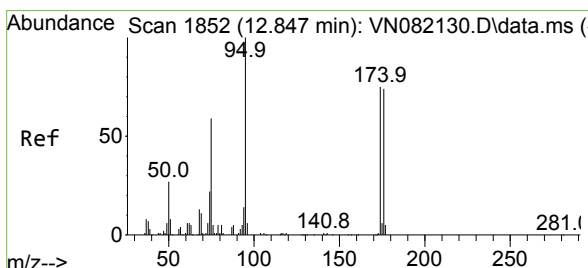
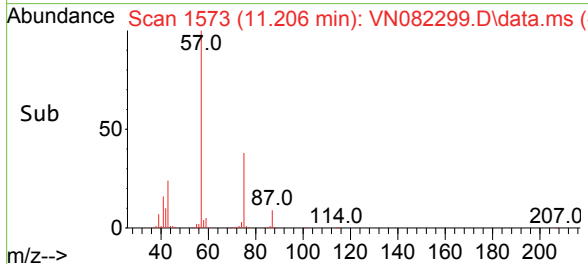
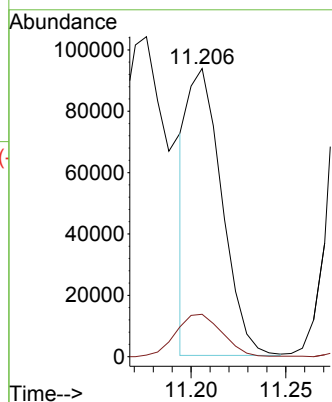
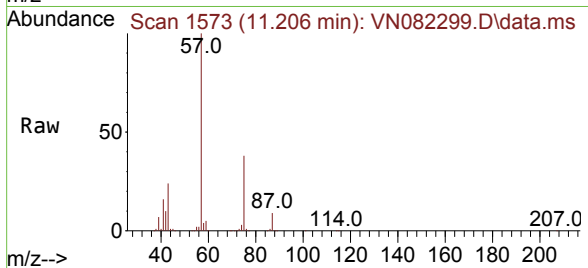




#59
2-Hexanone
Concen: 41.796 ug/l
RT: 11.206 min Scan# 111
Delta R.T. 0.012 min
Lab File: VN082299.D
Acq: 22 May 2024 17:51

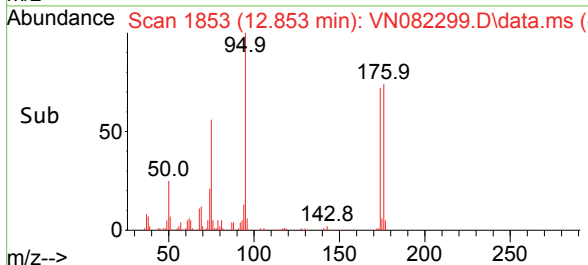
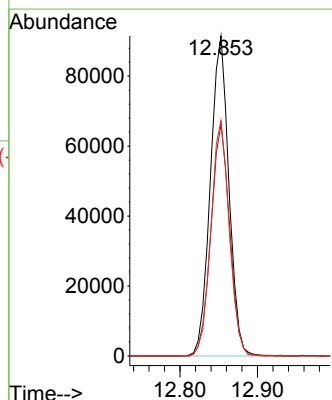
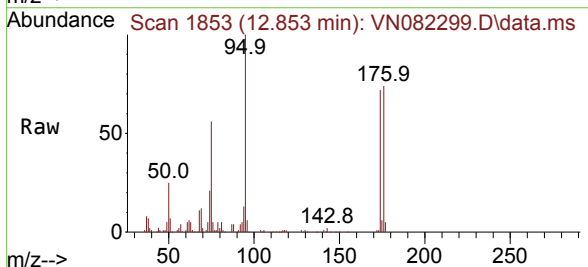
Instrument :
MSVOA_N
ClientSampleId :

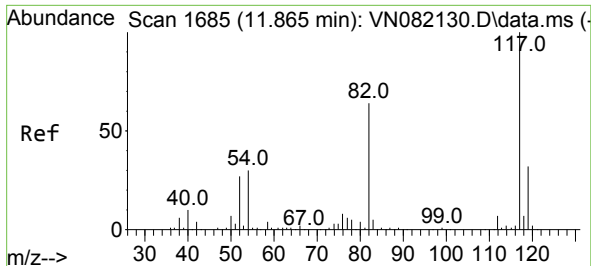
Tgt Ion: 43 Resp: 117093
Ion Ratio Lower Upper
43 100
58 20.3 28.3 84.9#



#62
4-Bromofluorobenzene
Concen: 54.903 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. 0.006 min
Lab File: VN082299.D
Acq: 22 May 2024 17:51

Tgt Ion: 95 Resp: 152127
Ion Ratio Lower Upper
95 100
174 73.1 0.0 160.6
176 72.8 0.0 152.8

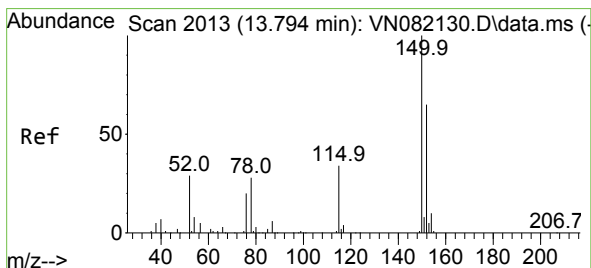
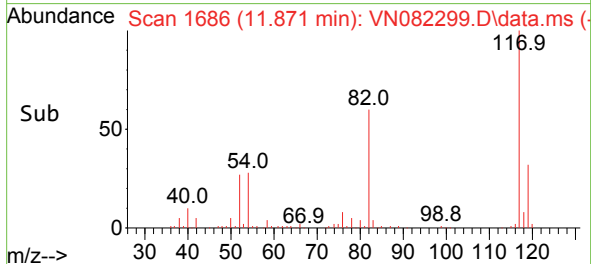
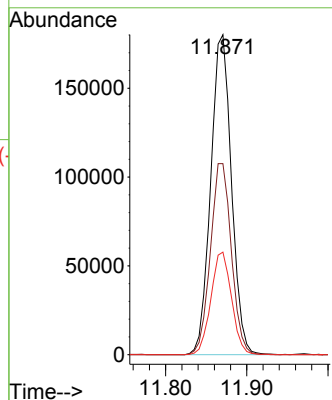
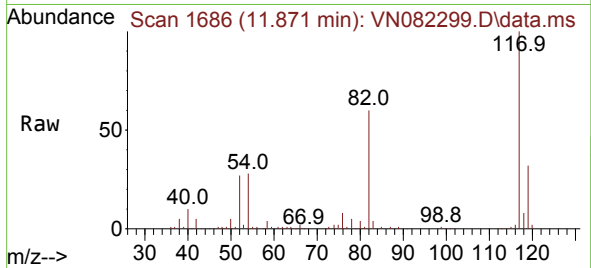




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.871 min Scan# 11
Delta R.T. 0.006 min
Lab File: VN082299.D
Acq: 22 May 2024 17:51

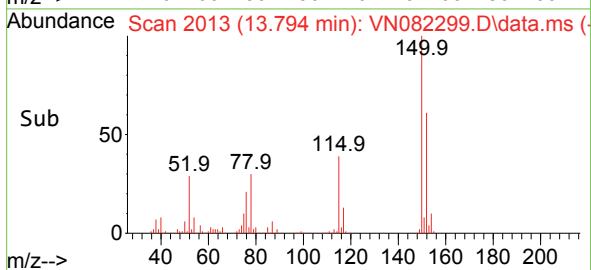
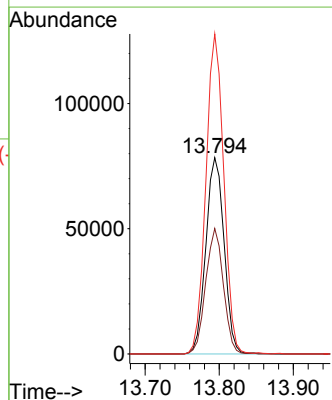
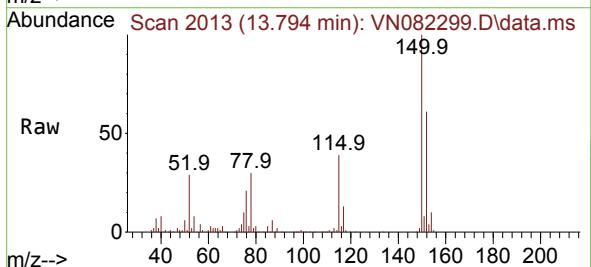
Instrument :
MSVOA_N
ClientSampleId :

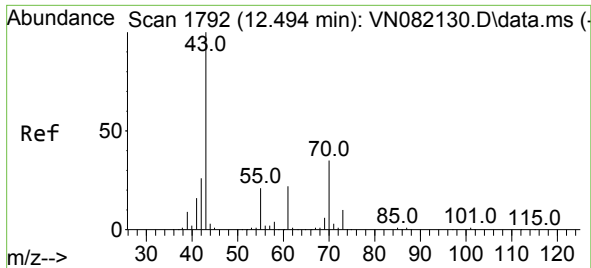
Tgt Ion:117 Resp: 319474
Ion Ratio Lower Upper
117 100
82 59.7 44.6 66.8
119 32.1 25.9 38.9



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.794 min Scan# 2013
Delta R.T. -0.000 min
Lab File: VN082299.D
Acq: 22 May 2024 17:51

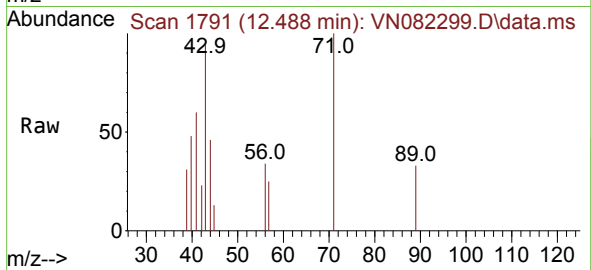
Tgt Ion:152 Resp: 134490
Ion Ratio Lower Upper
152 100
115 61.8 30.4 91.3
150 159.1 0.0 353.2



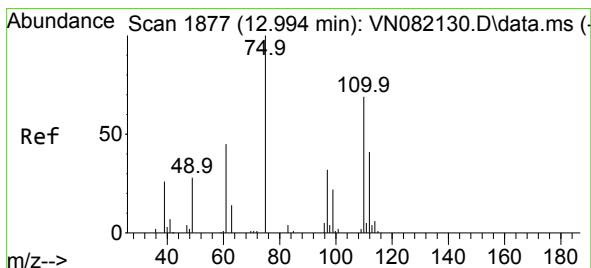
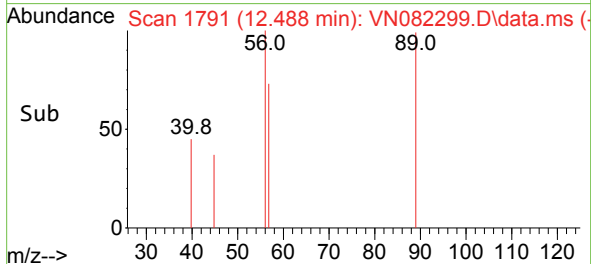
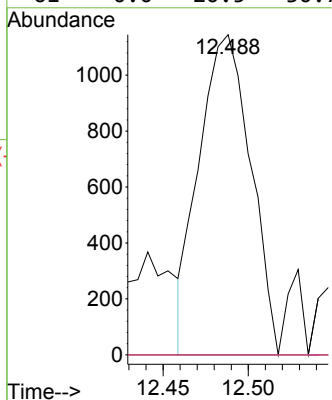


#74
N-amy1 acetate
Concen: 0.410 ug/l
RT: 12.488 min Scan# 1791
Delta R.T. -0.006 min
Lab File: VN082299.D
Acq: 22 May 2024 17:51

Instrument :
MSVOA_N
ClientSampleId :

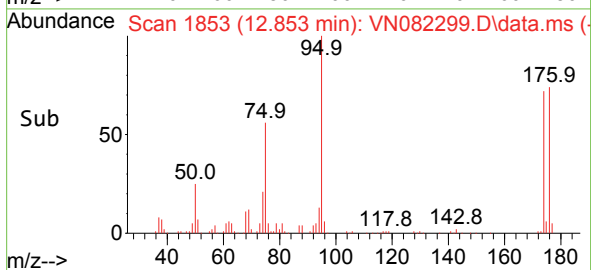
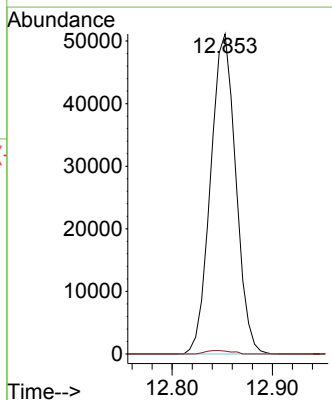
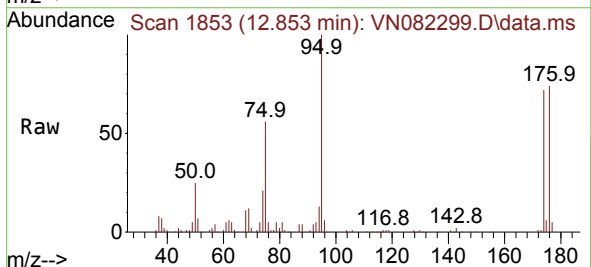


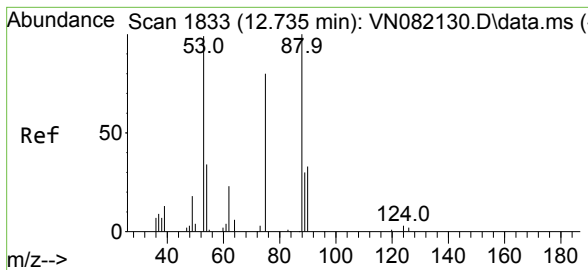
Tgt Ion:	43	Resp:	2407
Ion Ratio	100	Lower	Upper
43	100		
70	0.0	39.0	58.4#
55	0.0	21.3	31.9#
61	0.0	20.5	30.7#



#76
1,2,3-Trichloropropane
Concen: 31.530 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. -0.141 min
Lab File: VN082299.D
Acq: 22 May 2024 17:51

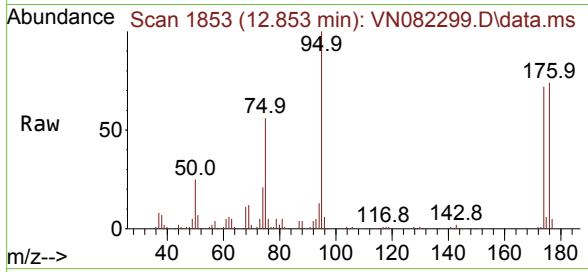
Tgt Ion:	75	Resp:	89251
Ion Ratio	100	Lower	Upper
75	100		
77	1.1	90.5	271.3#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 73.747 ug/l
 RT: 12.853 min Scan# 11
 Delta R.T. 0.118 min
 Lab File: VN082299.D
 Acq: 22 May 2024 17:51

Instrument :
 MSVOA_N
 ClientSampleId :



Tgt Ion: 75 Resp: 89251
 Ion Ratio Lower Upper
 75 100
 53 0.0 72.9 109.3#
 89 0.0 39.1 58.7#

