

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN062524\
 Data File : VN082715.D
 Acq On : 25 Jun 2024 14:09
 Operator : JC\MD
 Sample : PB161676ZHE#07
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Jun 26 01:22:24 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N061724W.M
 Quant Title : SW846 8260
 QLast Update : Tue Jun 18 04:52:44 2024
 Response via : Initial Calibration

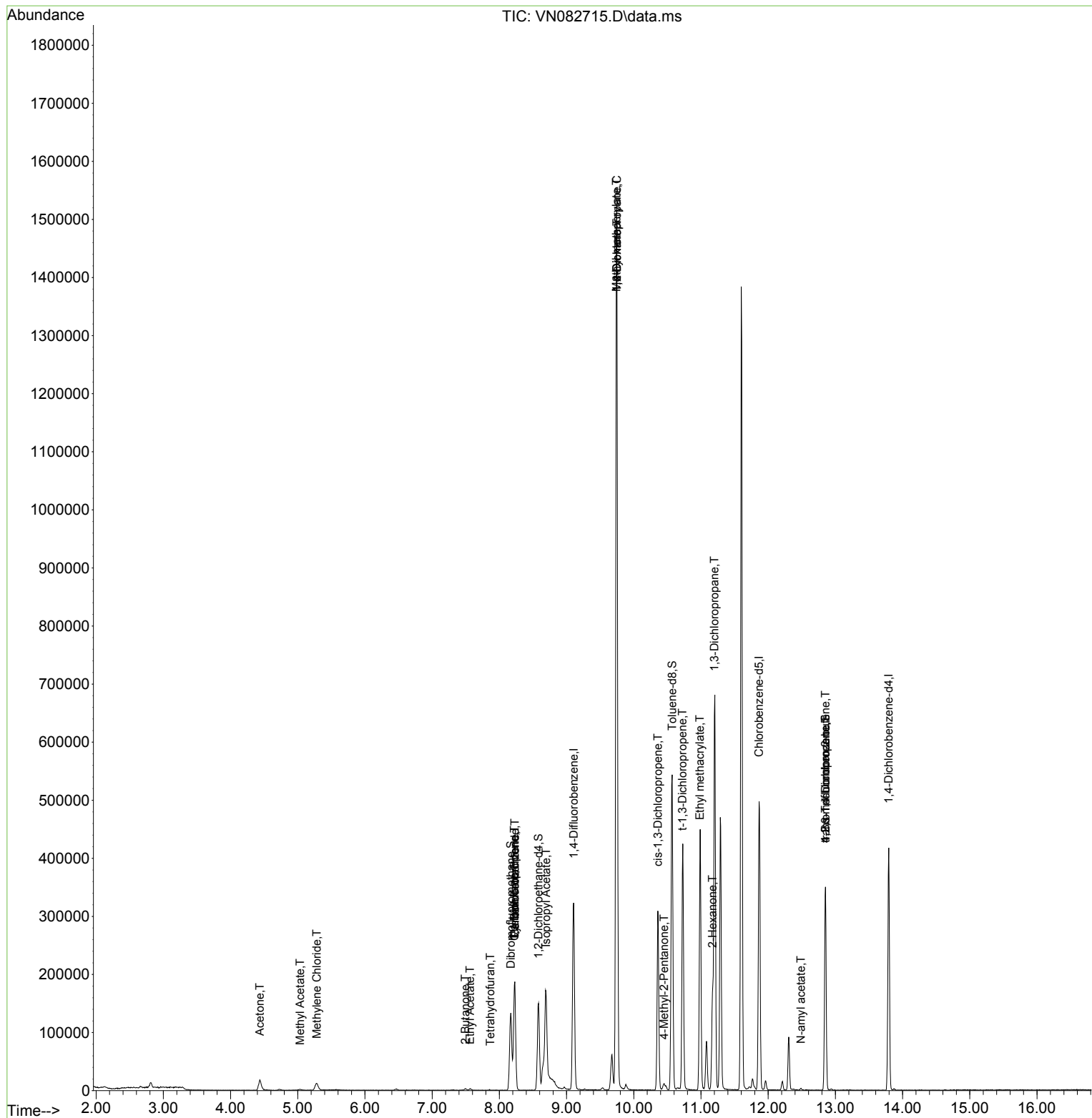
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	8.229	168	127619	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	257222	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	268350	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	104405	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.582	65	122233	59.727	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	= 119.460%	
35) Dibromofluoromethane	8.171	113	93563	53.619	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 107.240%	
50) Toluene-d8	10.571	98	354427	53.710	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	= 107.420%	
62) 4-Bromofluorobenzene	12.853	95	109445	48.107	ug/l	0.00
Spiked Amount	50.000	Range	64 - 133	Recovery	= 96.220%	
Target Compounds						Qvalue
16) Acetone	4.436	43	32924	35.374	ug/l	100
18) Methyl Acetate	5.036	43	3335	1.465	ug/l #	72
20) Methylene Chloride	5.283	84	9110	5.567	ug/l #	83
25) 2-Butanone	7.494	43	4845	3.662	ug/l #	90
29) Tetrahydrofuran	7.865	42	671	0.829	ug/l #	45
31) Cyclohexane	8.224	56	3609	1.222	ug/l #	36
36) 1,1-Dichloropropene	8.224	75	12064	4.625	ug/l #	49
37) Ethyl Acetate	7.565	43	4219	1.270	ug/l #	80
38) Carbon Tetrachloride	8.229	117	13939	4.742	ug/l #	18
43) Isopropyl Acetate	8.694	43	274811	44.255	ug/l #	80
45) 1,2-Dichloropropane	9.747	63	1775	0.856	ug/l #	44
48) Methyl methacrylate	9.741	41	154416	60.321	ug/l #	51
49) 1,4-Dioxane	9.747	88	79	1.973	ug/l #	1
51) 4-Methyl-2-Pentanone	10.453	43	13571	4.261	ug/l #	69
53) t-1,3-Dichloropropene	10.723	75	895	0.292	ug/l #	78
54) cis-1,3-Dichloropropene	10.359	75	46032	14.523	ug/l #	72
56) Ethyl methacrylate	10.982	69	2307	0.788	ug/l #	1
57) 1,3-Dichloropropane	11.200	76	6636	2.030	ug/l #	43
59) 2-Hexanone	11.170	43	133293	55.062	ug/l #	28
74) N-amyl acetate	12.488	43	1745	0.412	ug/l #	46
76) 1,2,3-Trichloropropane	12.853	75	63554	24.888	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.853	75	63554	59.543	ug/l #	6

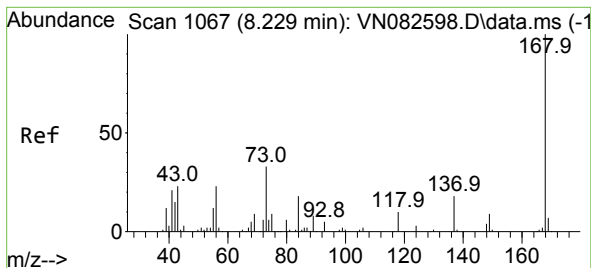
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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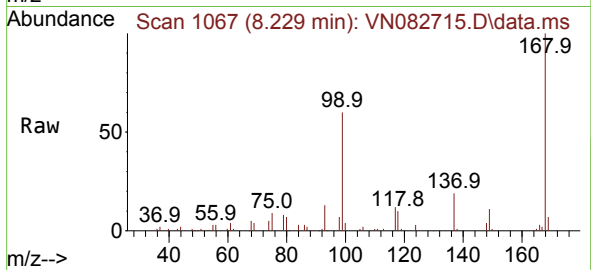
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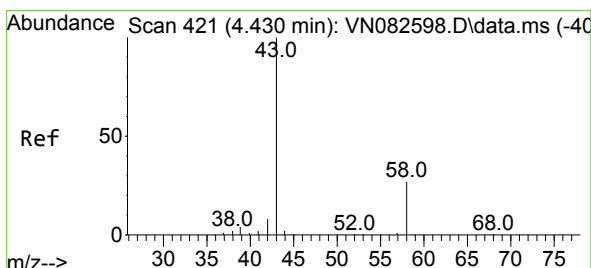
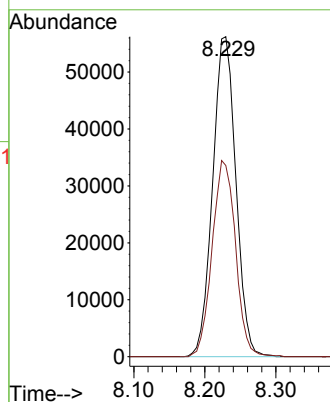
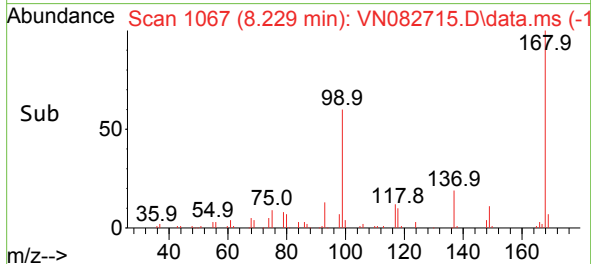


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.229 min Scan# 1067
Delta R.T. 0.001 min
Lab File: VN082715.D
Acq: 25 Jun 2024 14:09

Instrument :
MSVOA_N
ClientSampleId :

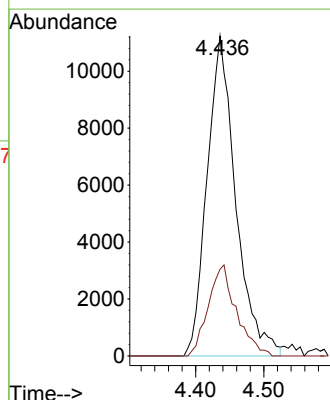
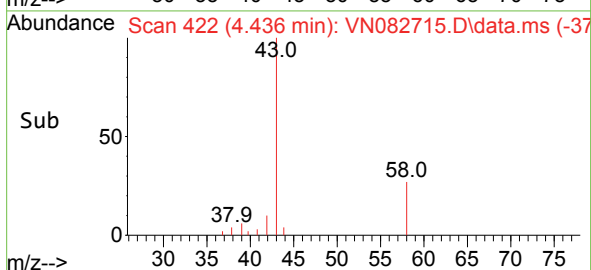
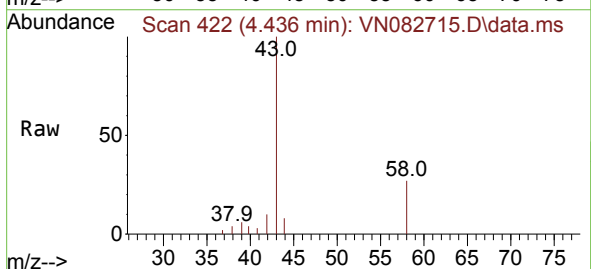


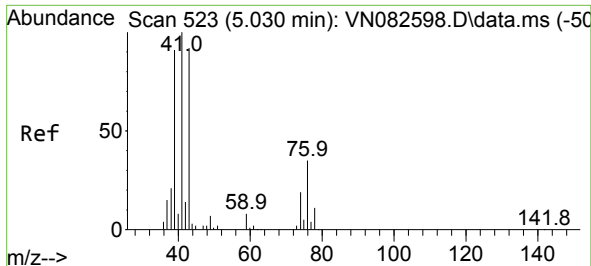
Tgt Ion:168 Resp: 127619
Ion Ratio Lower Upper
168 100
99 59.8 48.2 72.4



#16
Acetone
Concen: 35.374 ug/l
RT: 4.436 min Scan# 422
Delta R.T. 0.006 min
Lab File: VN082715.D
Acq: 25 Jun 2024 14:09

Tgt Ion: 43 Resp: 32924
Ion Ratio Lower Upper
43 100
58 27.1 21.8 32.6





#18

Methyl Acetate

Concen: 1.465 ug/l

RT: 5.036 min Scan# 51

Delta R.T. 0.006 min

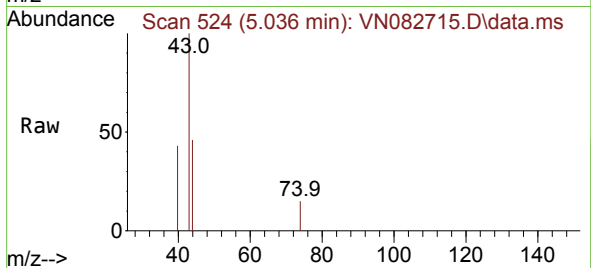
Lab File: VN082715.D

Acq: 25 Jun 2024 14:09

Instrument :

MSVOA_N

ClientSampleId :

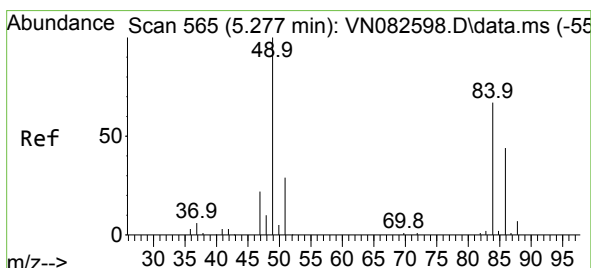
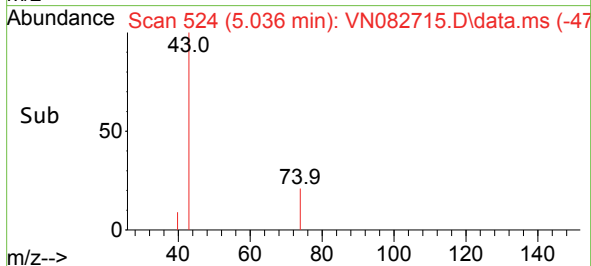
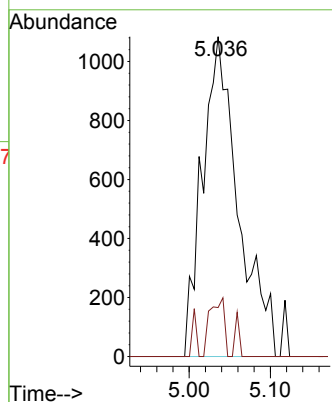


Tgt Ion: 43 Resp: 3335

Ion Ratio Lower Upper

43 100

74 7.3 16.3 24.5#



#20

Methylene Chloride

Concen: 5.567 ug/l

RT: 5.283 min Scan# 566

Delta R.T. 0.006 min

Lab File: VN082715.D

Acq: 25 Jun 2024 14:09

Tgt Ion: 84 Resp: 9110

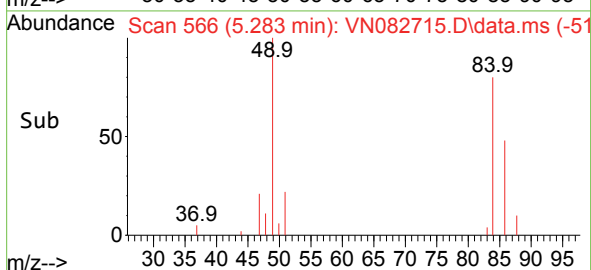
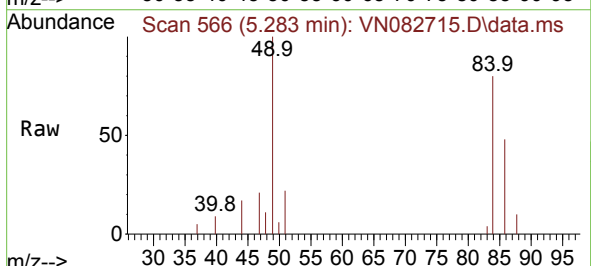
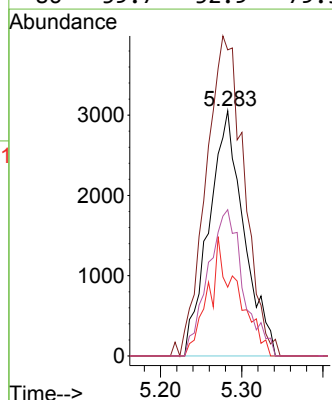
Ion Ratio Lower Upper

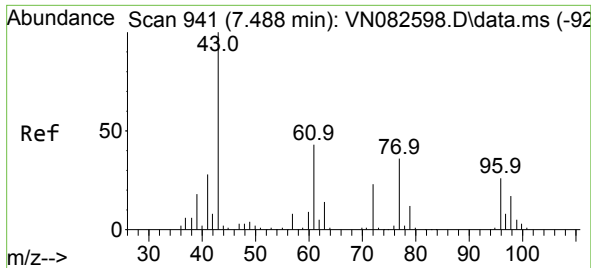
84 100

49 124.9 119.6 179.4

51 28.1 34.8 52.2#

86 59.7 52.9 79.3

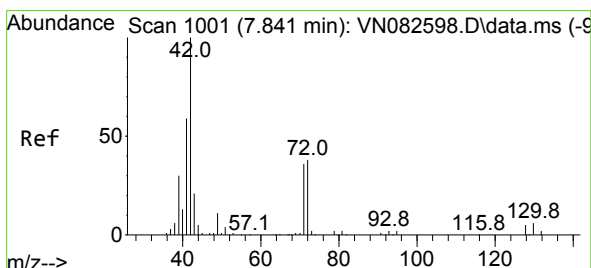
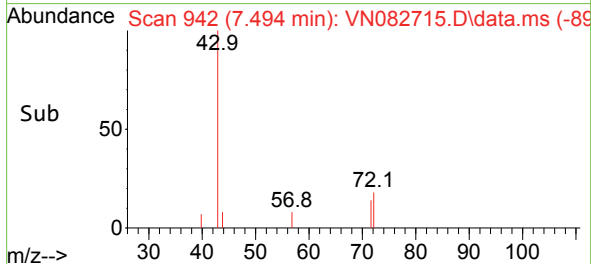
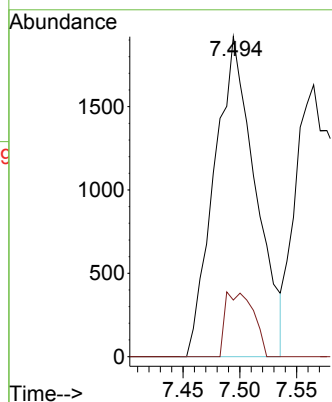
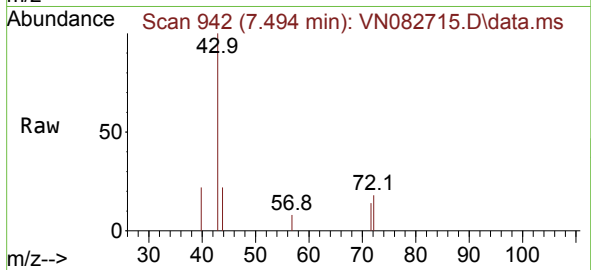




#25
2-Butanone
Concen: 3.662 ug/l
RT: 7.494 min Scan# 941
Delta R.T. 0.006 min
Lab File: VN082715.D
Acq: 25 Jun 2024 14:09

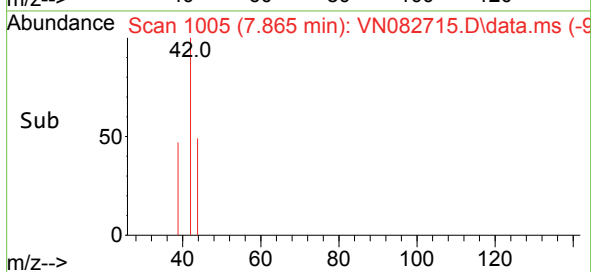
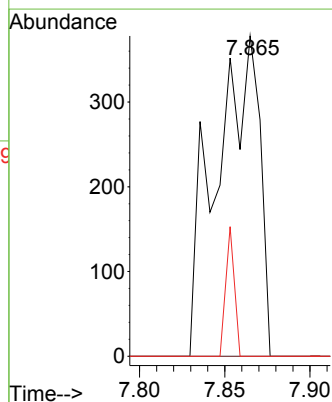
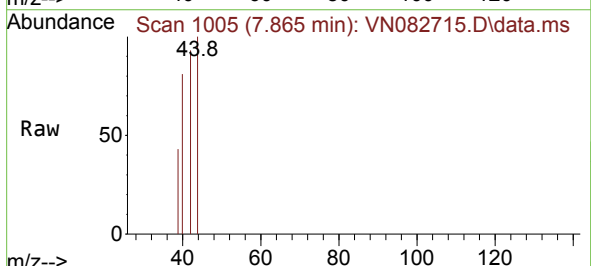
Instrument :
MSVOA_N
ClientSampleId :

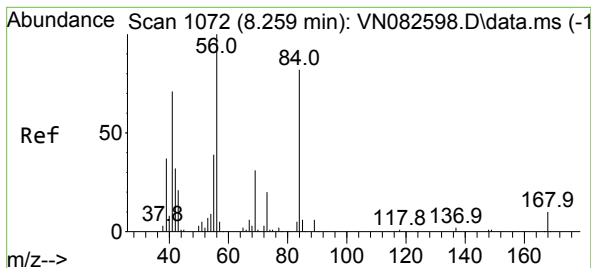
Tgt Ion: 43 Resp: 4845
Ion Ratio Lower Upper
43 100
72 17.7 18.2 27.2#



#29
Tetrahydrofuran
Concen: 0.829 ug/l
RT: 7.865 min Scan# 1005
Delta R.T. 0.024 min
Lab File: VN082715.D
Acq: 25 Jun 2024 14:09

Tgt Ion: 42 Resp: 671
Ion Ratio Lower Upper
42 100
72 0.0 30.0 45.0#
71 8.0 28.3 42.5#





#31

Cyclohexane

Concen: 1.222 ug/l

RT: 8.224 min Scan# 1066

Delta R.T. -0.035 min

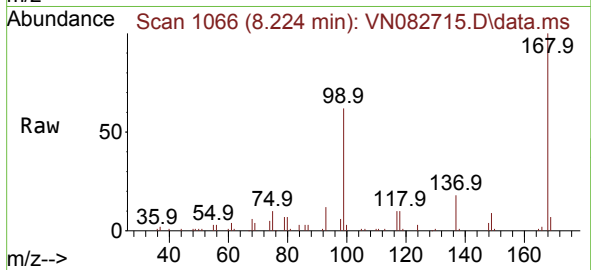
Lab File: VN082715.D

Acq: 25 Jun 2024 14:09

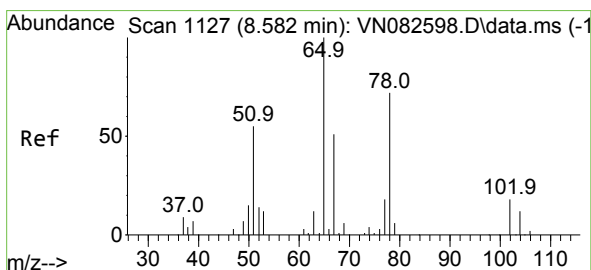
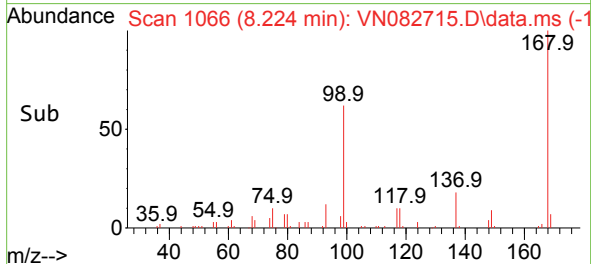
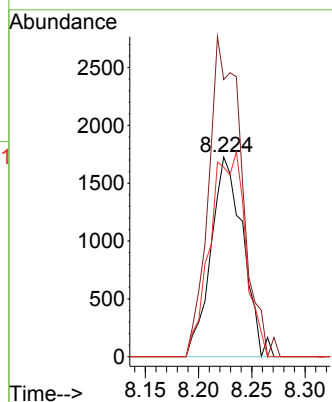
Instrument :

MSVOA_N

ClientSampleId :



Tgt Ion: 56	Resp: 3609
Ion Ratio	Lower Upper
56 100	
69 138.9	24.5 36.7#
84 95.0	66.0 99.0



#33

1,2-Dichloroethane-d4

Concen: 59.727 ug/l

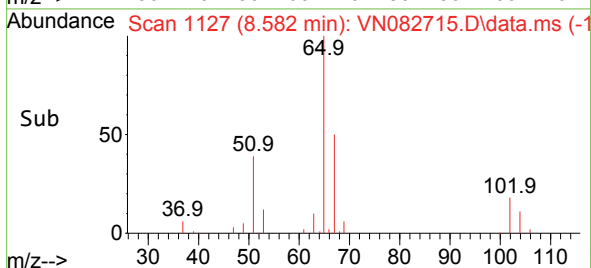
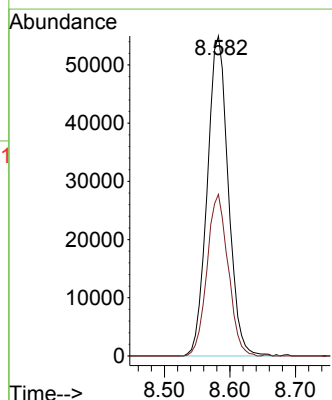
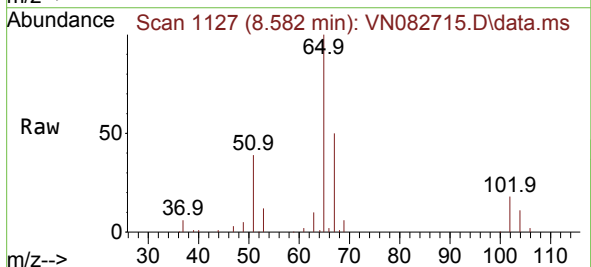
RT: 8.582 min Scan# 1127

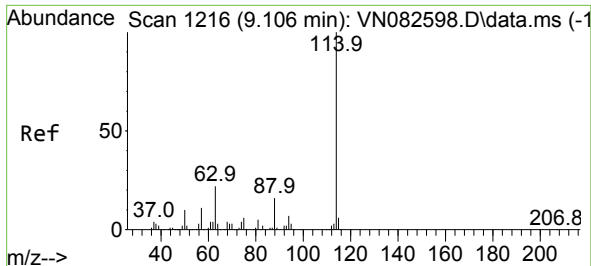
Delta R.T. 0.000 min

Lab File: VN082715.D

Acq: 25 Jun 2024 14:09

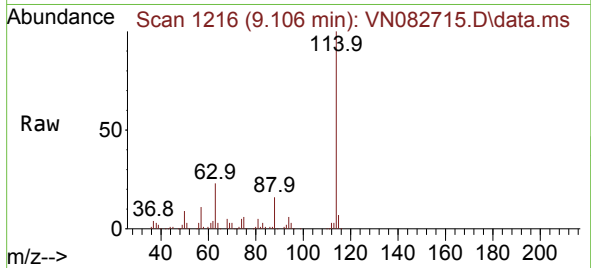
Tgt Ion: 65	Resp: 122233
Ion Ratio	Lower Upper
65 100	
67 50.8	0.0 104.4



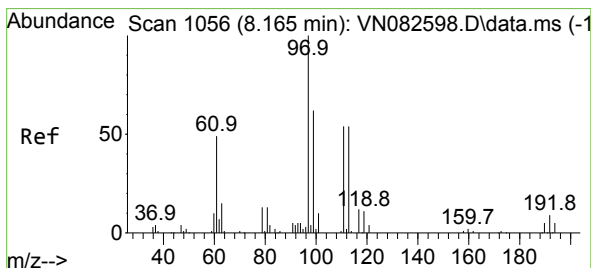
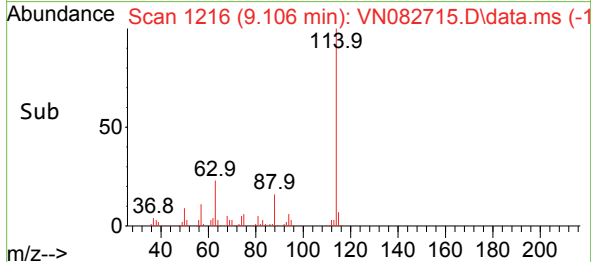
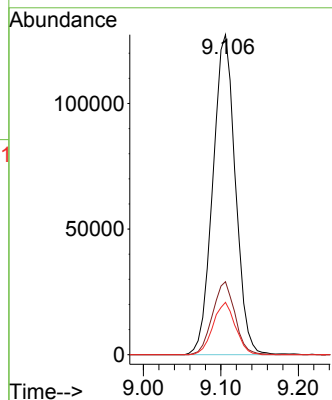


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 9.106 min Scan# 11
Delta R.T. 0.000 min
Lab File: VN082715.D
Acq: 25 Jun 2024 14:09

Instrument :
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ClientSampleId :

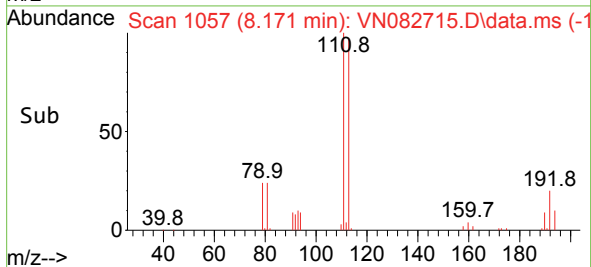
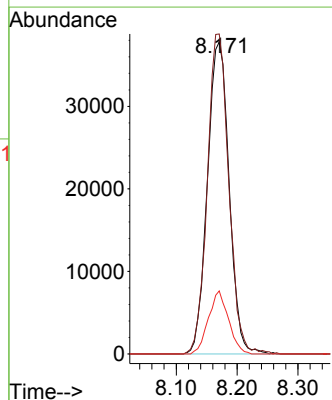
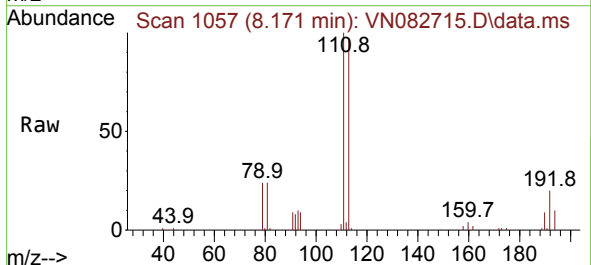


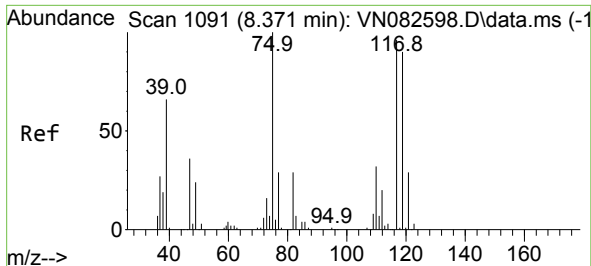
Tgt Ion:114 Resp: 257222
Ion Ratio Lower Upper
114 100
63 22.8 0.0 44.6
88 16.3 0.0 31.4



#35
Dibromofluoromethane
Concen: 53.619 ug/l
RT: 8.171 min Scan# 1057
Delta R.T. 0.006 min
Lab File: VN082715.D
Acq: 25 Jun 2024 14:09

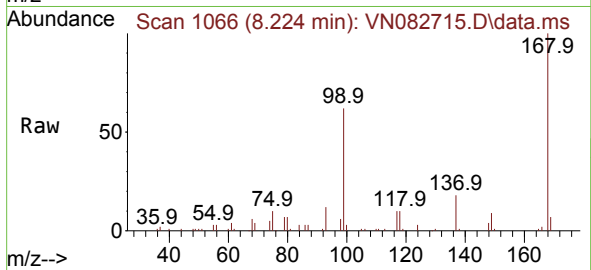
Tgt Ion:113 Resp: 93563
Ion Ratio Lower Upper
113 100
111 101.6 82.4 123.6
192 18.7 14.9 22.3



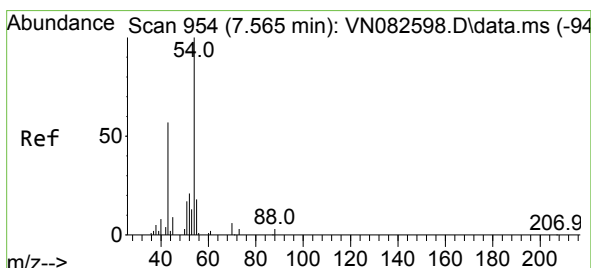
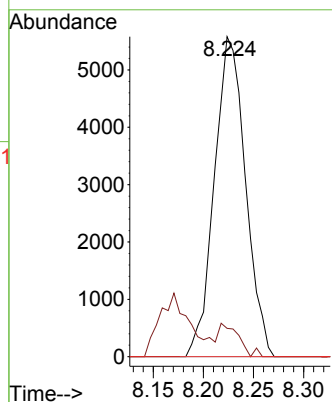
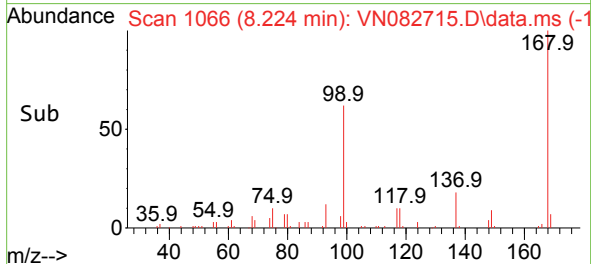


#36
1,1-Dichloropropene
Concen: 4.625 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. -0.147 min
Lab File: VN082715.D
Acq: 25 Jun 2024 14:09

Instrument :
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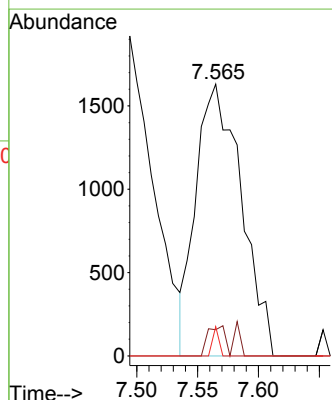
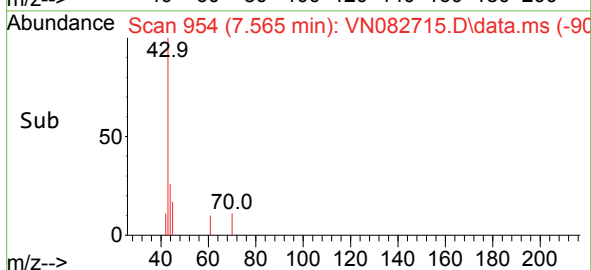
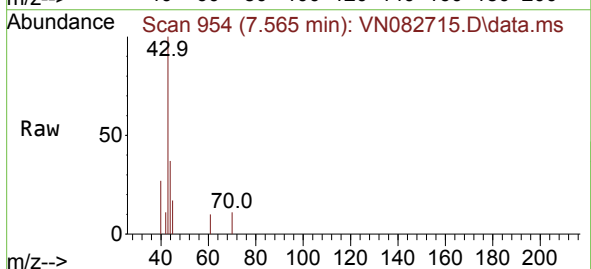


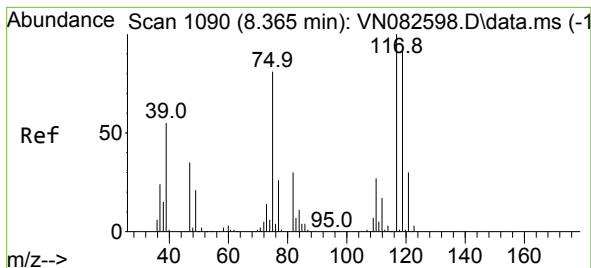
Tgt Ion: 75 Resp: 12064
Ion Ratio Lower Upper
75 100
110 6.6 16.3 48.9#
77 0.0 24.6 37.0#



#37
Ethyl Acetate
Concen: 1.270 ug/l
RT: 7.565 min Scan# 954
Delta R.T. 0.000 min
Lab File: VN082715.D
Acq: 25 Jun 2024 14:09

Tgt Ion: 43 Resp: 4219
Ion Ratio Lower Upper
43 100
61 4.2 9.3 13.9#
70 1.5 7.0 10.6#





#38

Carbon Tetrachloride

Concen: 4.742 ug/l

RT: 8.229 min Scan# 1067

Delta R.T. -0.135 min

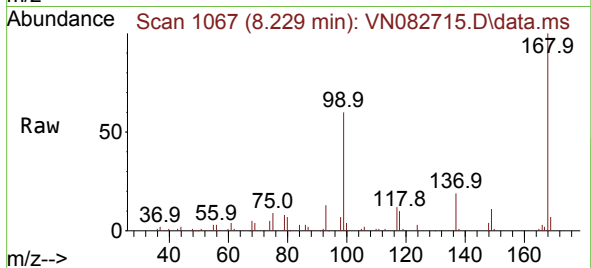
Lab File: VN082715.D

Acq: 25 Jun 2024 14:09

Instrument :

MSVOA_N

ClientSampleId :



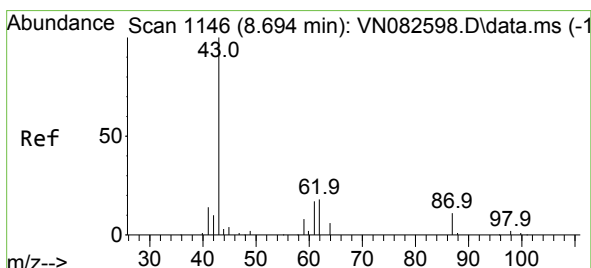
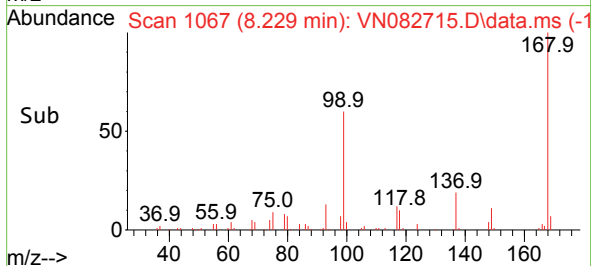
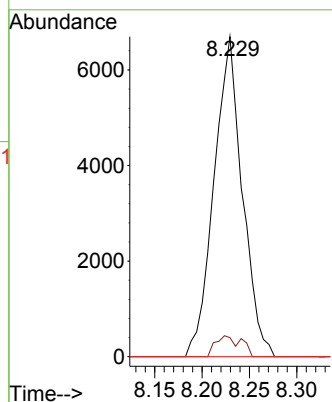
Tgt Ion:117 Resp: 13939

Ion Ratio Lower Upper

117 100

119 5.9 74.9 112.3#

121 0.0 24.3 36.5#



#43

Isopropyl Acetate

Concen: 44.255 ug/l

RT: 8.694 min Scan# 1146

Delta R.T. 0.000 min

Lab File: VN082715.D

Acq: 25 Jun 2024 14:09

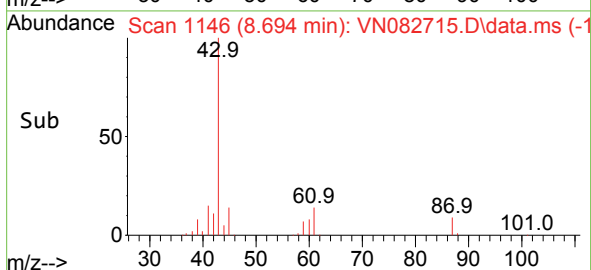
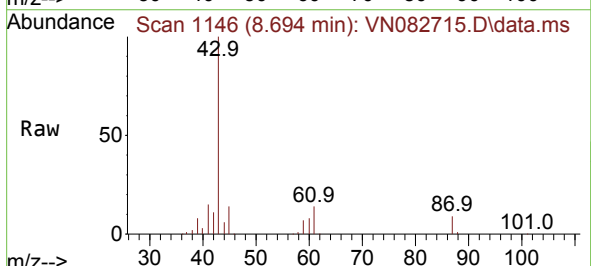
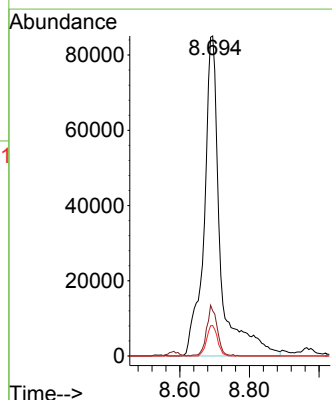
Tgt Ion: 43 Resp: 274811

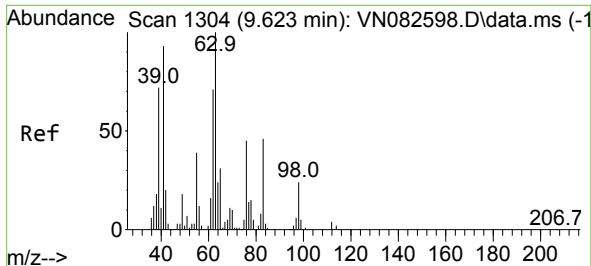
Ion Ratio Lower Upper

43 100

61 10.4 17.8 26.6#

87 6.3 8.2 12.2#





#45

1,2-Dichloropropane

Concen: 0.856 ug/l

RT: 9.747 min Scan# 11

Delta R.T. 0.124 min

Lab File: VN082715.D

Acq: 25 Jun 2024 14:09

Instrument :

MSVOA_N

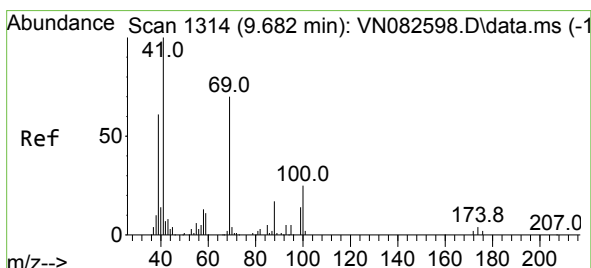
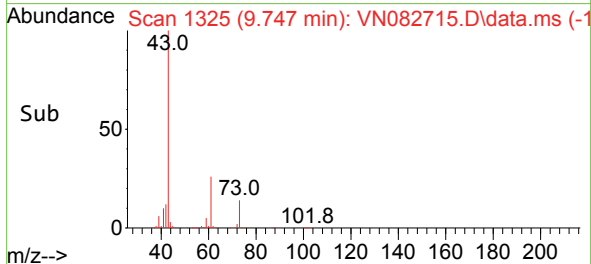
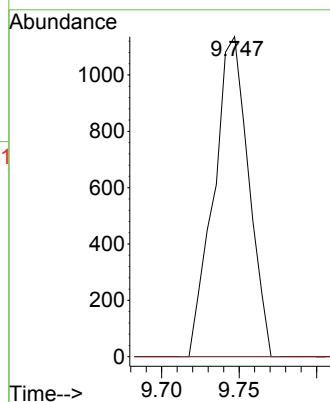
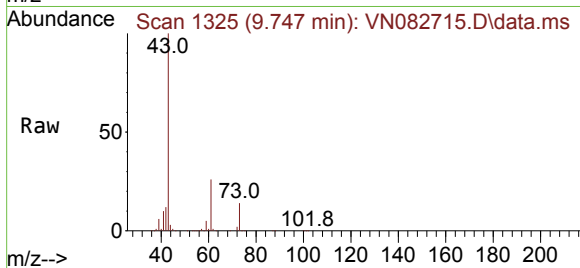
ClientSampleId :

Tgt Ion: 63 Resp: 1775

Ion Ratio Lower Upper

63 100

65 0.0 24.4 36.6#



#48

Methyl methacrylate

Concen: 60.321 ug/l

RT: 9.741 min Scan# 1324

Delta R.T. 0.059 min

Lab File: VN082715.D

Acq: 25 Jun 2024 14:09

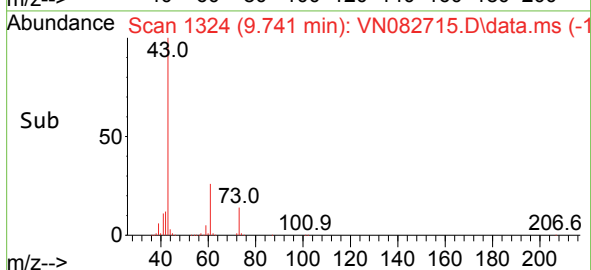
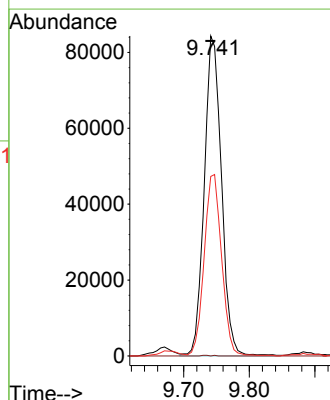
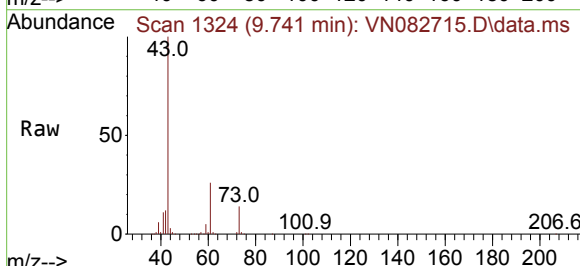
Tgt Ion: 41 Resp: 154416

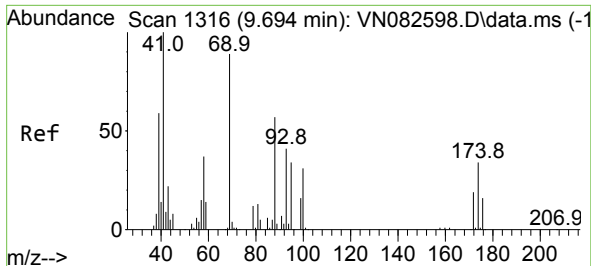
Ion Ratio Lower Upper

41 100

69 0.1 56.3 84.5#

39 56.9 50.3 75.5





#49

1,4-Dioxane

Concen: 1.973 ug/l

RT: 9.747 min Scan# 1316

Delta R.T. 0.053 min

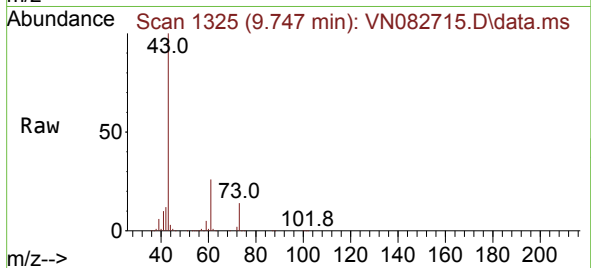
Lab File: VN082715.D

Acq: 25 Jun 2024 14:09

Instrument :

MSVOA_N

ClientSampleId :



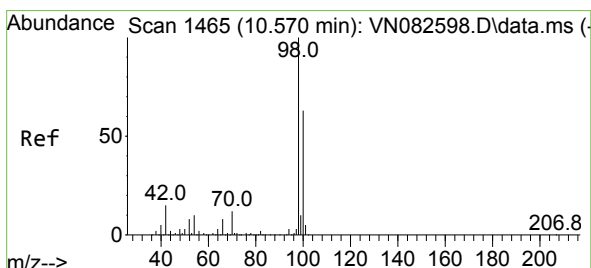
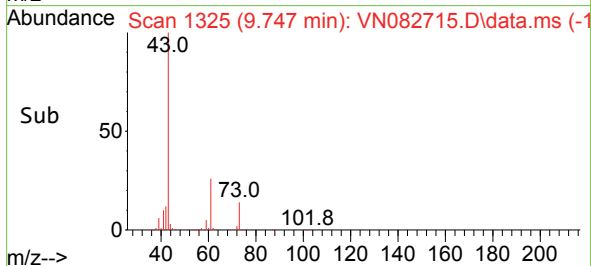
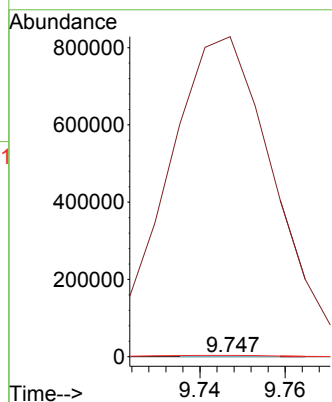
Tgt Ion: 88 Resp: 79

Ion Ratio Lower Upper

88 100

43 1876870.9 27.8 41.8#

58 9294.9 59.4 89.0#



#50

Toluene-d8

Concen: 53.710 ug/l

RT: 10.571 min Scan# 1465

Delta R.T. 0.000 min

Lab File: VN082715.D

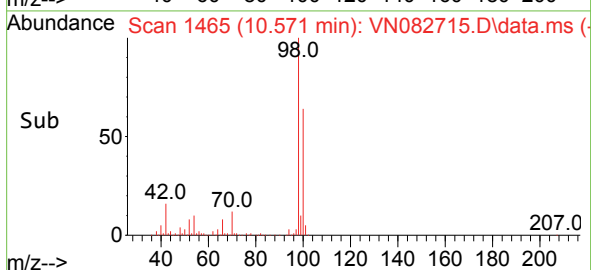
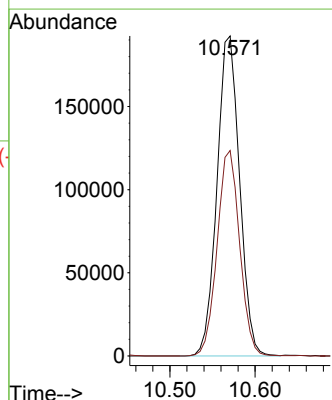
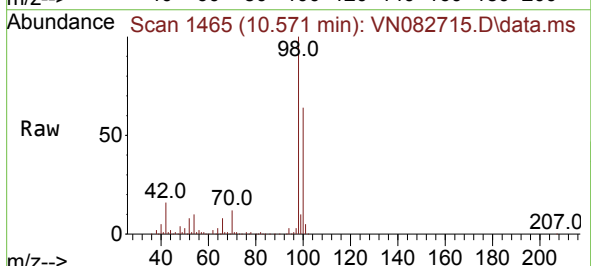
Acq: 25 Jun 2024 14:09

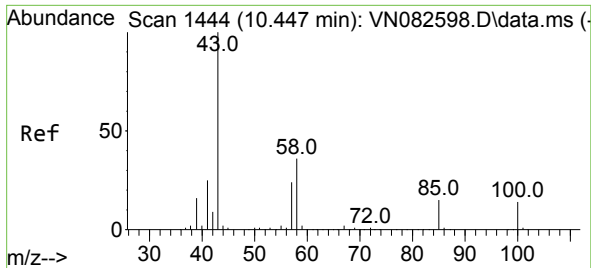
Tgt Ion: 98 Resp: 354427

Ion Ratio Lower Upper

98 100

100 64.0 51.5 77.3

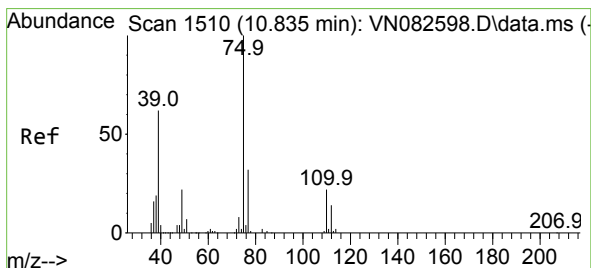
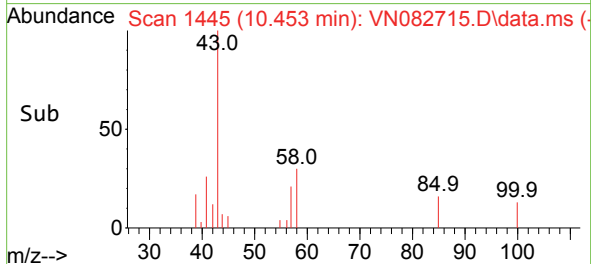
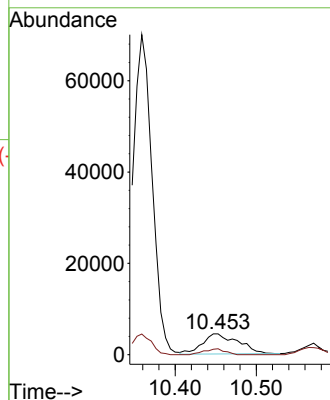
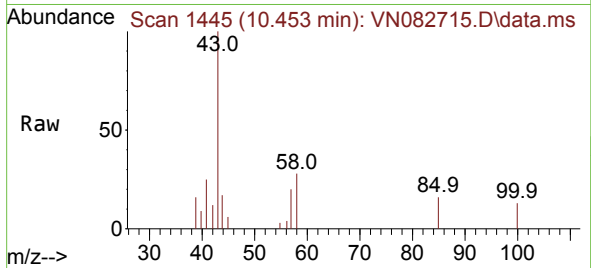




#51
4-Methyl-2-Pentanone
Concen: 4.261 ug/l
RT: 10.453 min Scan# 1445
Delta R.T. 0.006 min
Lab File: VN082715.D
Acq: 25 Jun 2024 14:09

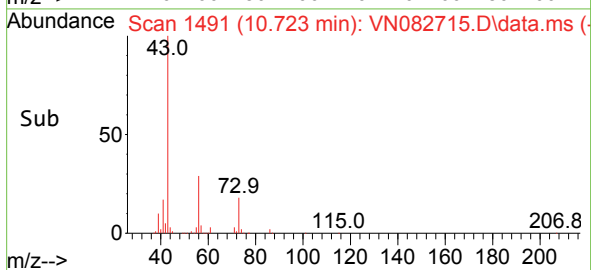
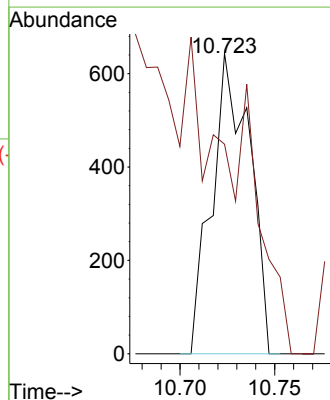
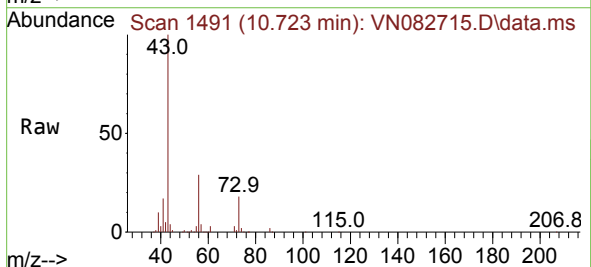
Instrument :
MSVOA_N
ClientSampleId :

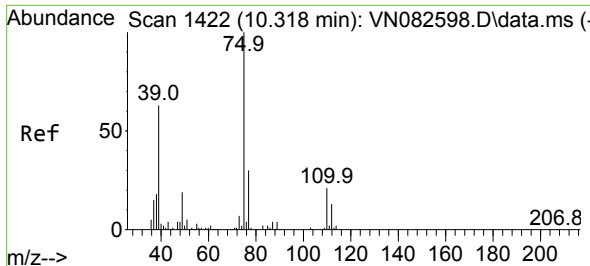
Tgt Ion: 43 Resp: 13571
Ion Ratio Lower Upper
43 100
58 17.0 28.2 42.4#



#53
t-1,3-Dichloropropene
Concen: 0.292 ug/l
RT: 10.723 min Scan# 1491
Delta R.T. -0.112 min
Lab File: VN082715.D
Acq: 25 Jun 2024 14:09

Tgt Ion: 75 Resp: 895
Ion Ratio Lower Upper
75 100
77 44.3 25.7 38.5#

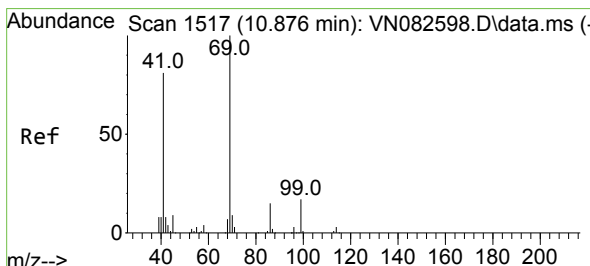
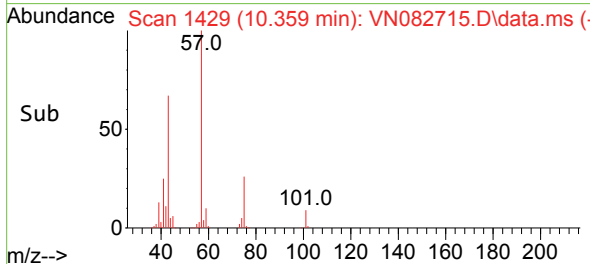
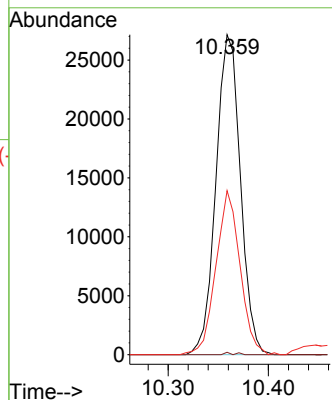
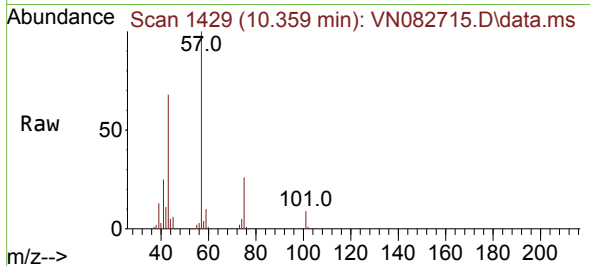




#54
 cis-1,3-Dichloropropene
 Concen: 14.523 ug/l
 RT: 10.359 min Scan# 14
 Delta R.T. 0.041 min
 Lab File: VN082715.D
 Acq: 25 Jun 2024 14:09

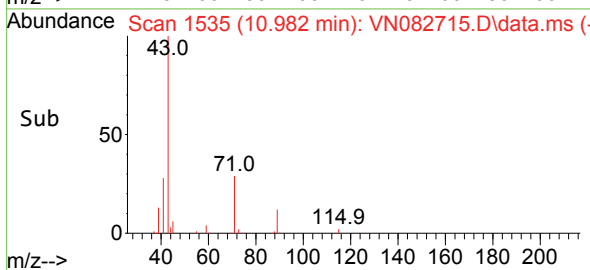
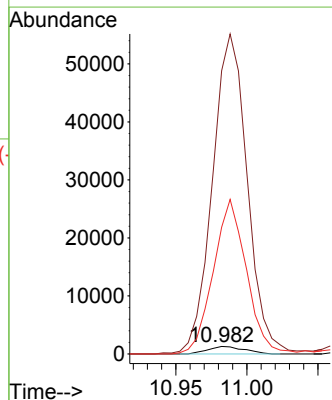
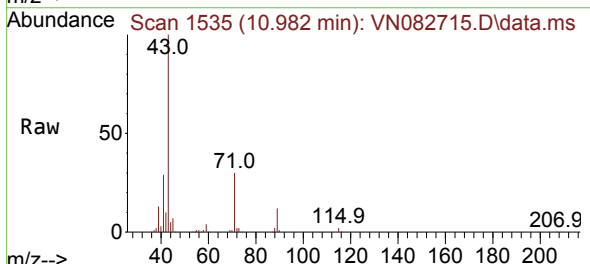
Instrument :
 MSVOA_N
 ClientSampleId :

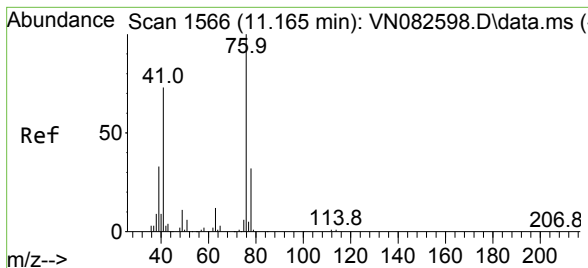
Tgt Ion: 75 Resp: 46032
 Ion Ratio Lower Upper
 75 100
 77 0.7 24.3 36.5#
 39 51.2 50.5 75.7



#56
 Ethyl methacrylate
 Concen: 0.788 ug/l
 RT: 10.982 min Scan# 1535
 Delta R.T. 0.106 min
 Lab File: VN082715.D
 Acq: 25 Jun 2024 14:09

Tgt Ion: 69 Resp: 2307
 Ion Ratio Lower Upper
 69 100
 41 4083.8 63.4 95.2#
 39 1872.1 37.4 56.0#

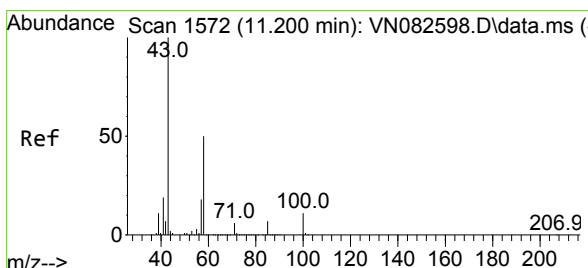
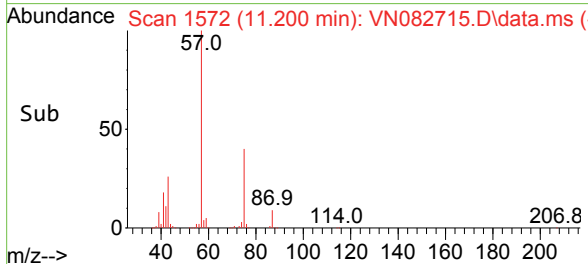
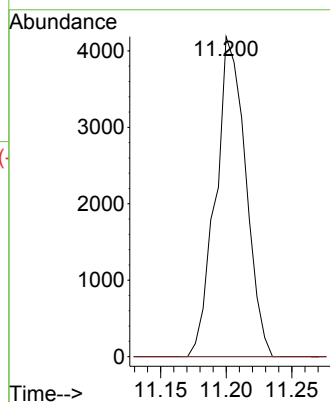
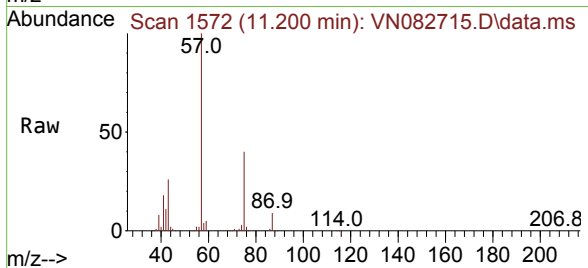




#57
1,3-Dichloropropane
Concen: 2.030 ug/l
RT: 11.200 min Scan# 1567
Delta R.T. 0.035 min
Lab File: VN082715.D
Acq: 25 Jun 2024 14:09

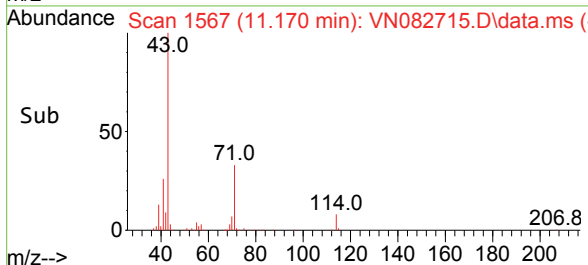
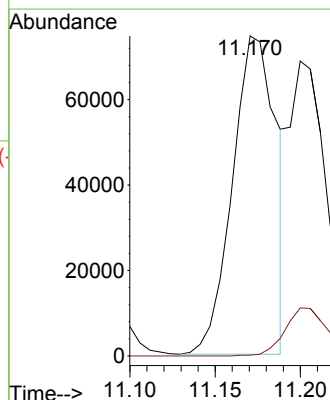
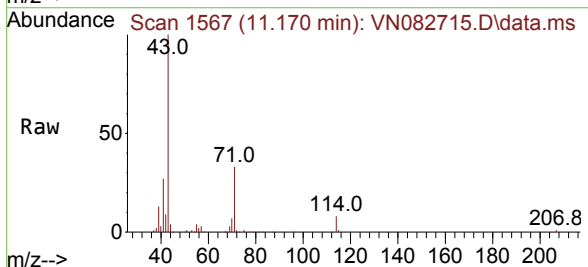
Instrument :
MSVOA_N
ClientSampleId :

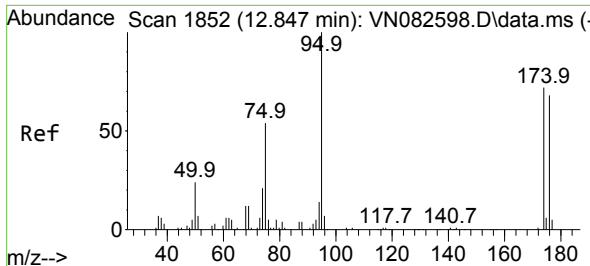
Tgt Ion: 76 Resp: 6636
Ion Ratio Lower Upper
76 100
78 0.0 25.6 38.4#



#59
2-Hexanone
Concen: 55.062 ug/l
RT: 11.170 min Scan# 1567
Delta R.T. -0.029 min
Lab File: VN082715.D
Acq: 25 Jun 2024 14:09

Tgt Ion: 43 Resp: 133293
Ion Ratio Lower Upper
43 100
58 0.0 24.6 73.8#

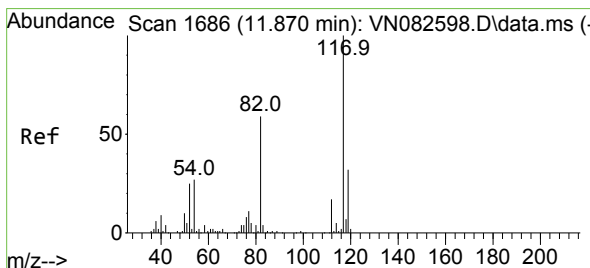
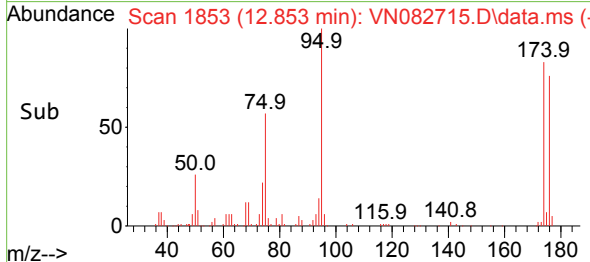
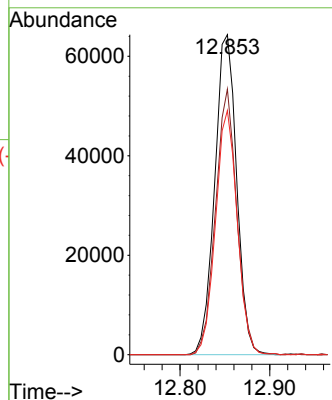
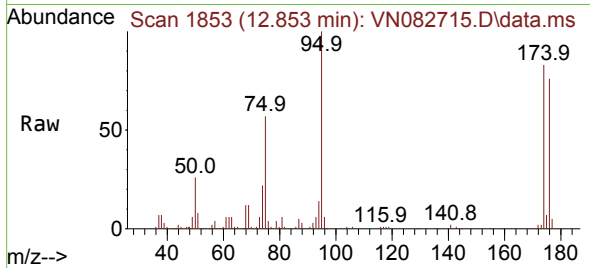




#62
4-Bromofluorobenzene
Concen: 48.107 ug/l
RT: 12.853 min Scan# 11
Delta R.T. 0.006 min
Lab File: VN082715.D
Acq: 25 Jun 2024 14:09

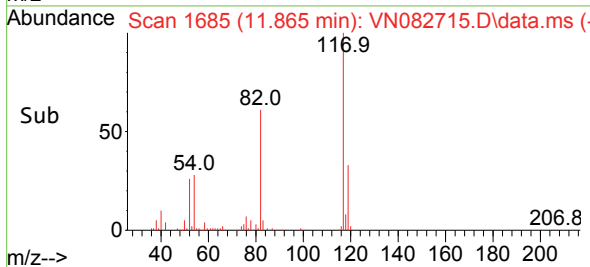
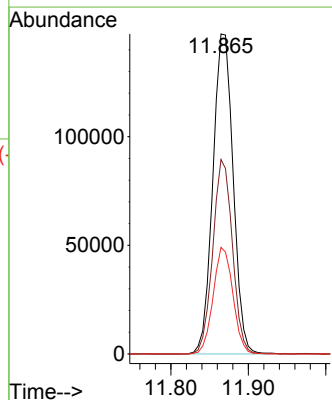
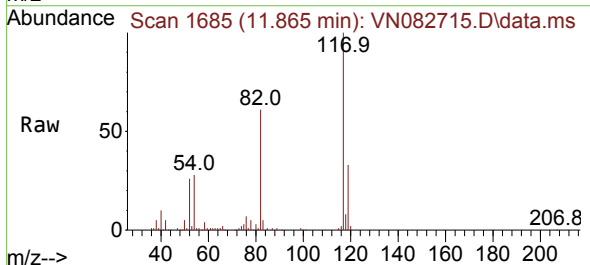
Instrument :
MSVOA_N
ClientSampleId :

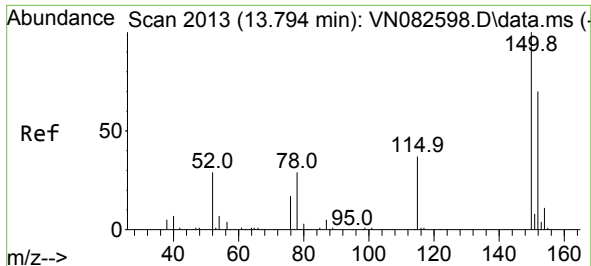
Tgt Ion: 95 Resp: 109445
Ion Ratio Lower Upper
95 100
174 80.4 0.0 159.2
176 75.3 0.0 147.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 1685
Delta R.T. -0.006 min
Lab File: VN082715.D
Acq: 25 Jun 2024 14:09

Tgt Ion: 117 Resp: 268350
Ion Ratio Lower Upper
117 100
82 60.8 47.5 71.3
119 33.3 25.6 38.4

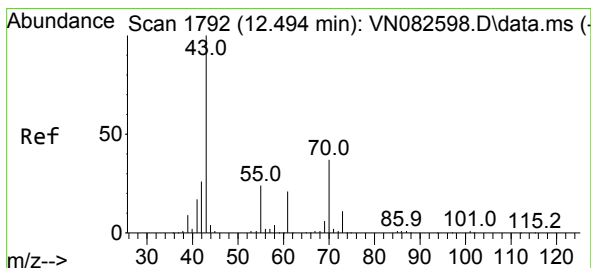
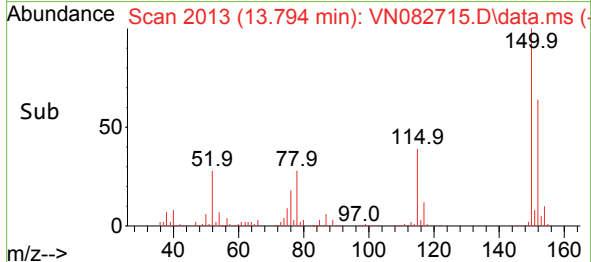
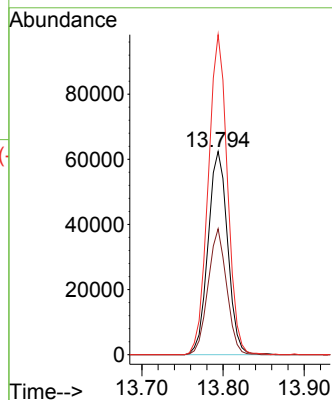
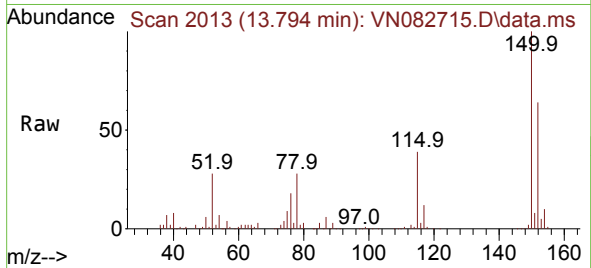




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.794 min Scan# 20
Delta R.T. 0.000 min
Lab File: VN082715.D
Acq: 25 Jun 2024 14:09

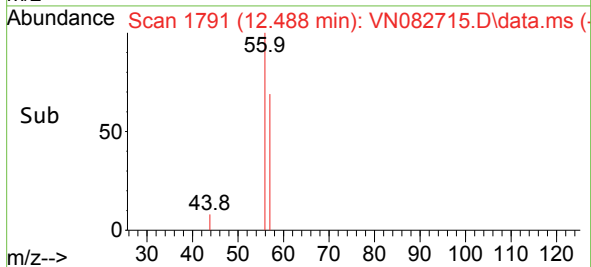
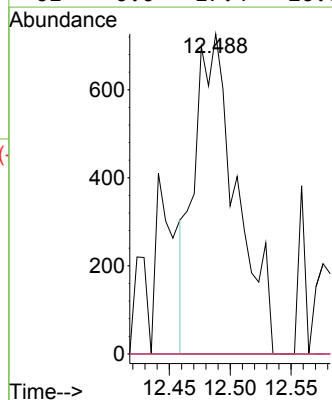
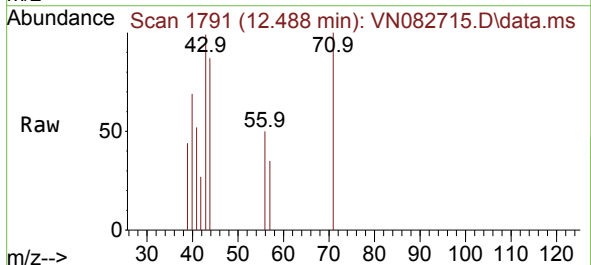
Instrument :
MSVOA_N
ClientSampleId :

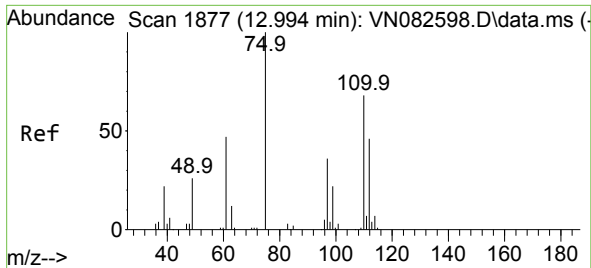
Tgt Ion:152 Resp: 104405
Ion Ratio Lower Upper
152 100
115 58.9 30.6 91.6
150 154.4 0.0 348.6



#74
N-ethyl acetate
Concen: 0.412 ug/l
RT: 12.488 min Scan# 1791
Delta R.T. -0.006 min
Lab File: VN082715.D
Acq: 25 Jun 2024 14:09

Tgt Ion: 43 Resp: 1745
Ion Ratio Lower Upper
43 100
70 0.0 29.8 44.6#
55 0.0 18.7 28.1#
61 0.0 17.4 26.0#

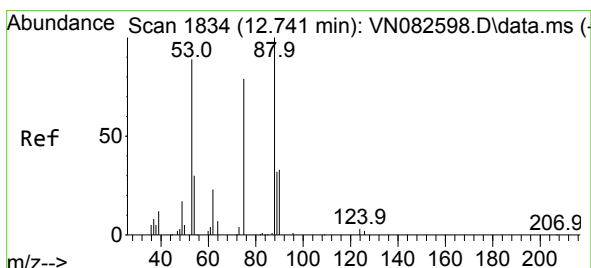
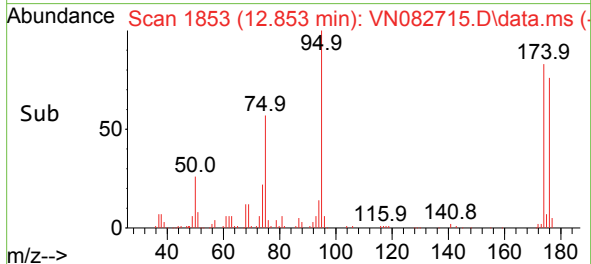
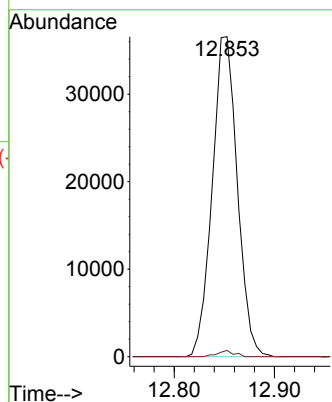
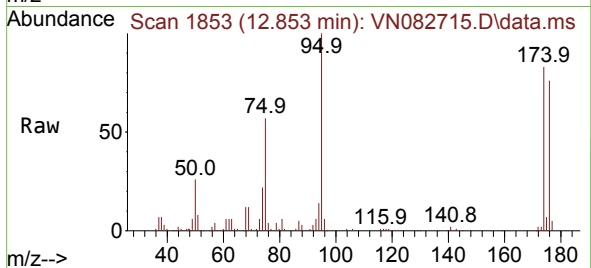




#76
1,2,3-Trichloropropane
Concen: 24.888 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. -0.141 min
Lab File: VN082715.D
Acq: 25 Jun 2024 14:09

Instrument :
MSVOA_N
ClientSampleId :

Tgt Ion: 75 Resp: 63554
Ion Ratio Lower Upper
75 100
77 1.3 110.9 332.6#



#81
trans-1,4-Dichloro-2-butene
Concen: 59.543 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. 0.112 min
Lab File: VN082715.D
Acq: 25 Jun 2024 14:09

Tgt Ion: 75 Resp: 63554
Ion Ratio Lower Upper
75 100
53 0.3 88.4 132.6#
89 0.0 36.3 54.5#

