

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN062524\
 Data File : VN082725.D
 Acq On : 25 Jun 2024 18:13
 Operator : JC\MD
 Sample : P3021-09
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Jun 26 01:26:42 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)

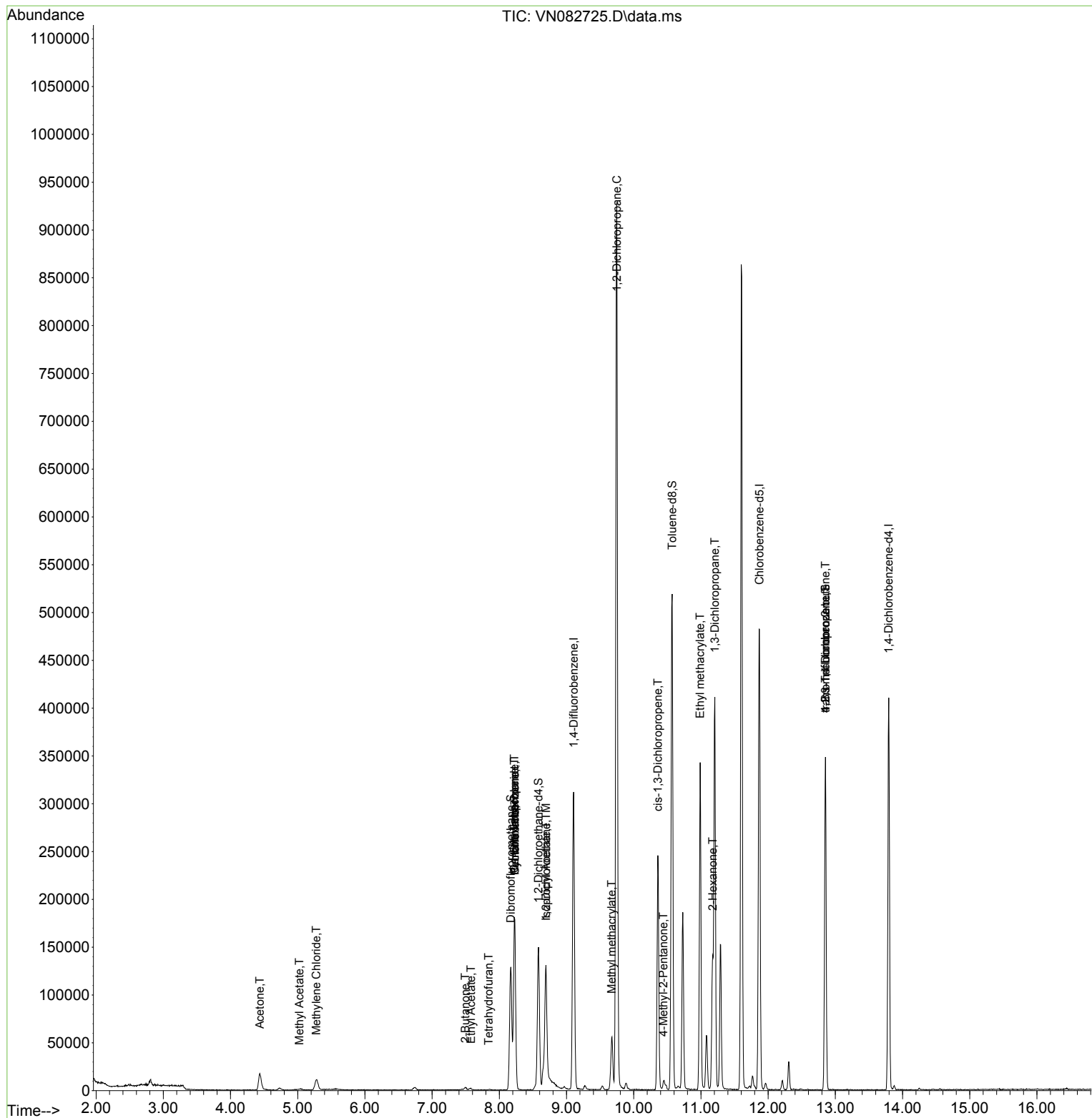
Internal Standards						
1) Pentafluorobenzene	8.230	168	125446	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	243807	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.871	117	262059	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	101294	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.583	65	120795	60.046	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	= 120.100%	
35) Dibromofluoromethane	8.171	113	89467	54.092	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 108.180%	
50) Toluene-d8	10.571	98	342040	54.685	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	= 109.380%	
62) 4-Bromofluorobenzene	12.853	95	104937	48.663	ug/l	0.00
Spiked Amount	50.000	Range	64 - 133	Recovery	= 97.320%	
Target Compounds						
					Qvalue	
16) Acetone	4.436	43	33783	36.925	ug/l	99
18) Methyl Acetate	5.024	43	2516	1.124	ug/l #	64
20) Methylene Chloride	5.277	84	8426	5.239	ug/l	89
25) 2-Butanone	7.494	43	4868	3.743	ug/l	92
29) Tetrahydrofuran	7.841	42	207	0.260	ug/l #	60
31) Cyclohexane	8.230	56	3659	1.260	ug/l #	15
36) 1,1-Dichloropropene	8.224	75	11523	4.660	ug/l #	50
37) Ethyl Acetate	7.577	43	3652	1.160	ug/l #	72
38) Carbon Tetrachloride	8.224	117	13316	4.779	ug/l #	19
42) 1,2-Dichloroethane	8.694	62	671	0.231	ug/l #	78
43) Isopropyl Acetate	8.694	43	180832	30.723	ug/l #	83
45) 1,2-Dichloropropane	9.747	63	1019	0.518	ug/l #	44
48) Methyl methacrylate	9.671	41	3954	1.630	ug/l #	52
51) 4-Methyl-2-Pentanone	10.441	43	11608	3.845	ug/l #	76
54) cis-1,3-Dichloropropene	10.359	75	36306	12.085	ug/l #	76
56) Ethyl methacrylate	10.988	69	1938	0.698	ug/l #	1
57) 1,3-Dichloropropane	11.206	76	3900	1.259	ug/l #	43
59) 2-Hexanone	11.177	43	115629	50.393	ug/l #	28
76) 1,2,3-Trichloropropane	12.853	75	61690	24.900	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.853	75	61690	59.572	ug/l #	6

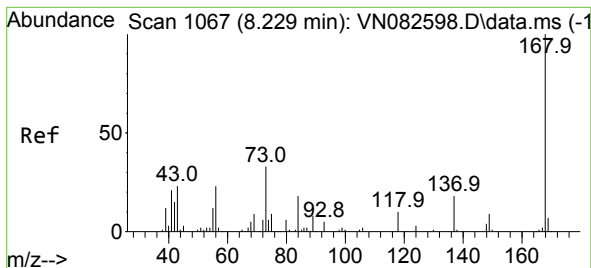
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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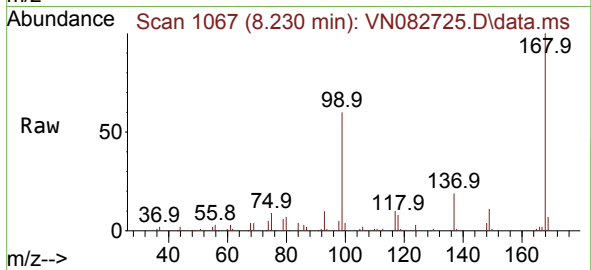
Quant Time: Jun 26 01:26:42 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N061724W.M
Quant Title : SW846 8260
QLast Update : Tue Jun 18 04:52:44 2024
Response via : Initial Calibration



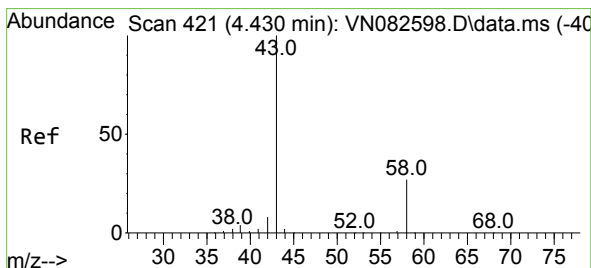
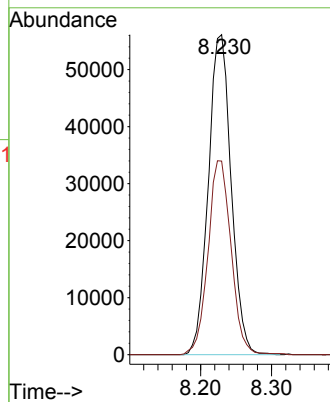
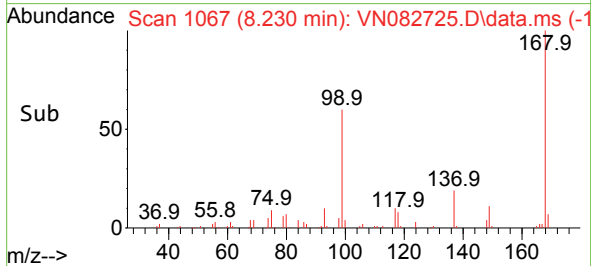


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.230 min Scan# 1067
Delta R.T. 0.001 min
Lab File: VN082725.D
Acq: 25 Jun 2024 18:13

Instrument :
MSVOA_N
ClientSampleId :

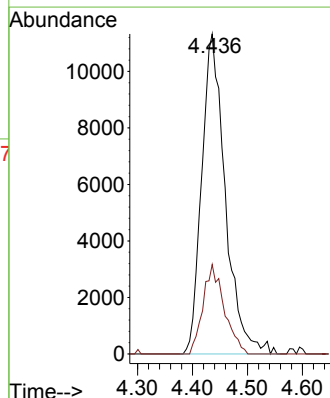
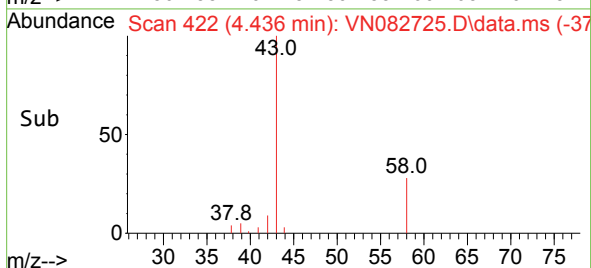
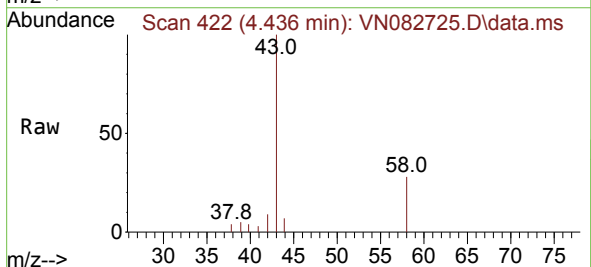


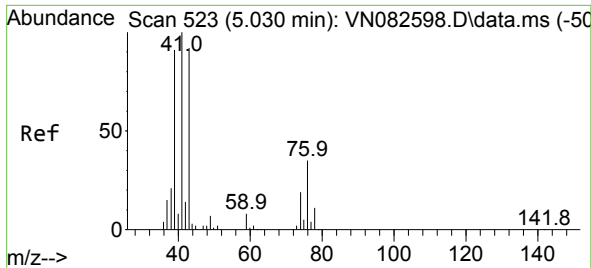
Tgt Ion:168 Resp: 125446
Ion Ratio Lower Upper
168 100
99 60.5 48.2 72.4



#16
Acetone
Concen: 36.925 ug/l
RT: 4.436 min Scan# 422
Delta R.T. 0.006 min
Lab File: VN082725.D
Acq: 25 Jun 2024 18:13

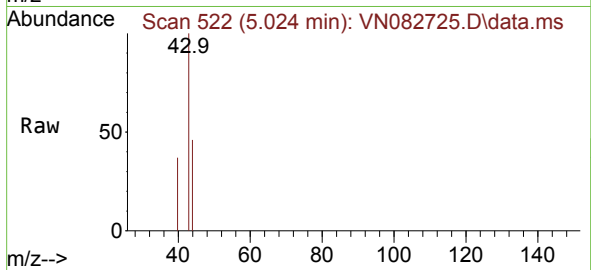
Tgt Ion: 43 Resp: 33783
Ion Ratio Lower Upper
43 100
58 27.9 21.8 32.6



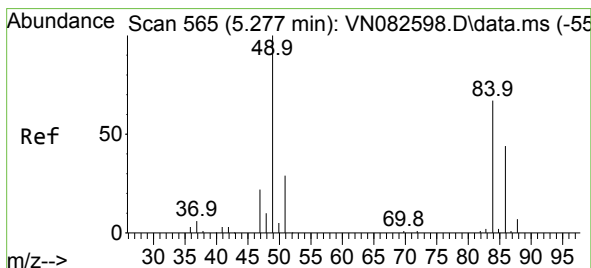
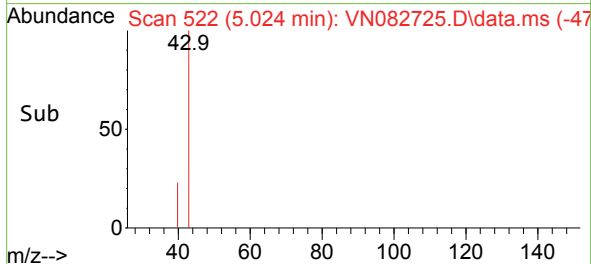
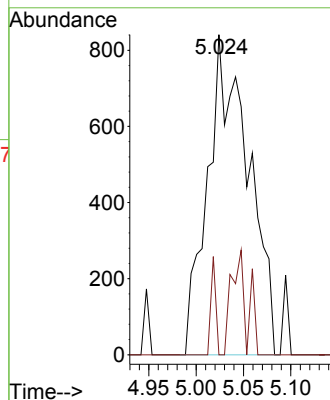


#18
Methyl Acetate
Concen: 1.124 ug/l
RT: 5.024 min Scan# 51
Delta R.T. -0.006 min
Lab File: VN082725.D
Acq: 25 Jun 2024 18:13

Instrument :
MSVOA_N
ClientSampleId :

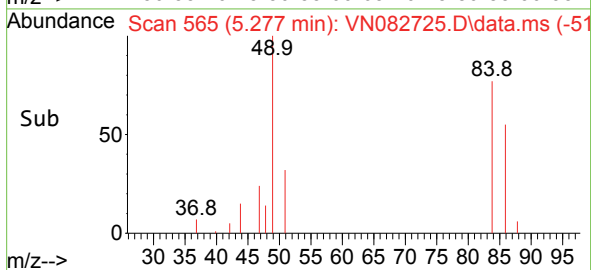
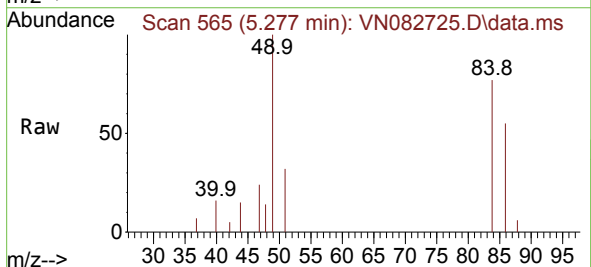
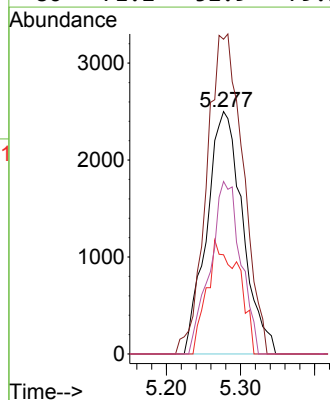


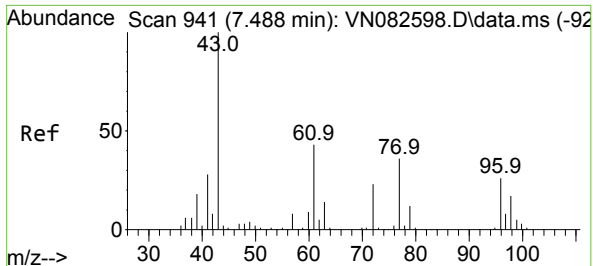
Tgt Ion: 43 Resp: 2516
Ion Ratio Lower Upper
43 100
74 3.6 16.3 24.5#



#20
Methylene Chloride
Concen: 5.239 ug/l
RT: 5.277 min Scan# 565
Delta R.T. 0.000 min
Lab File: VN082725.D
Acq: 25 Jun 2024 18:13

Tgt Ion: 84 Resp: 8426
Ion Ratio Lower Upper
84 100
49 129.8 119.6 179.4
51 40.9 34.8 52.2
86 71.2 52.9 79.3





#25

2-Butanone

Concen: 3.743 ug/l

RT: 7.494 min Scan# 941

Delta R.T. 0.006 min

Lab File: VN082725.D

Acq: 25 Jun 2024 18:13

Instrument :

MSVOA_N

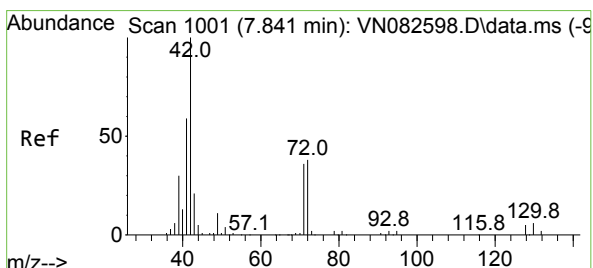
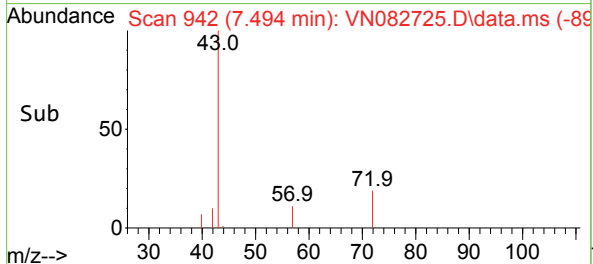
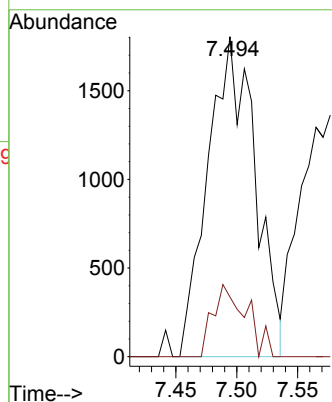
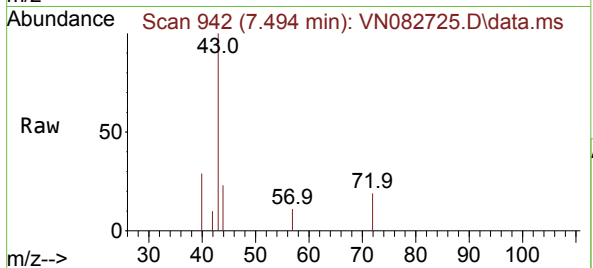
ClientSampleId :

Tgt Ion: 43 Resp: 4868

Ion Ratio Lower Upper

43 100

72 18.7 18.2 27.2



#29

Tetrahydrofuran

Concen: 0.260 ug/l

RT: 7.841 min Scan# 1001

Delta R.T. 0.000 min

Lab File: VN082725.D

Acq: 25 Jun 2024 18:13

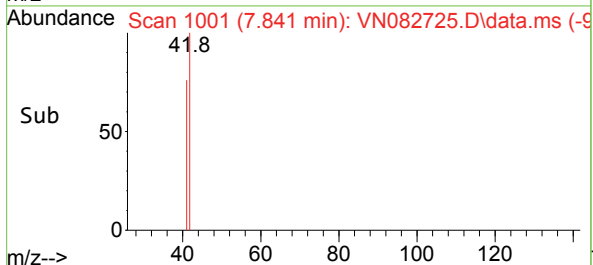
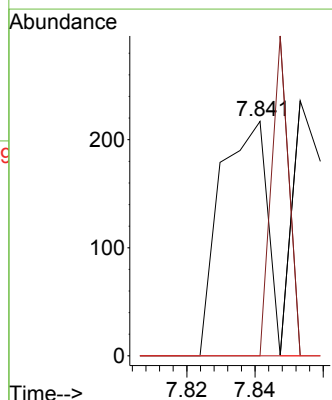
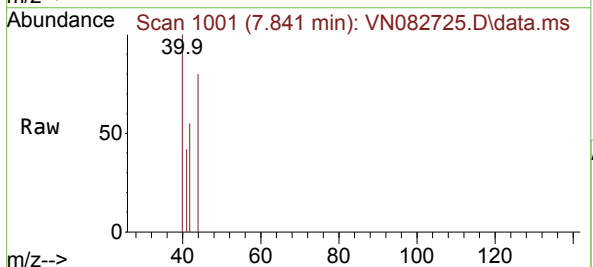
Tgt Ion: 42 Resp: 207

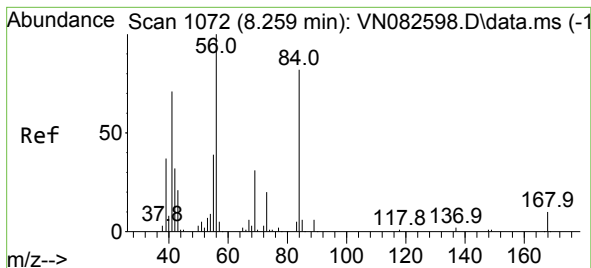
Ion Ratio Lower Upper

42 100

72 50.2 30.0 45.0#

71 0.0 28.3 42.5#





#31

Cyclohexane

Concen: 1.260 ug/l

RT: 8.230 min Scan# 1067

Delta R.T. -0.029 min

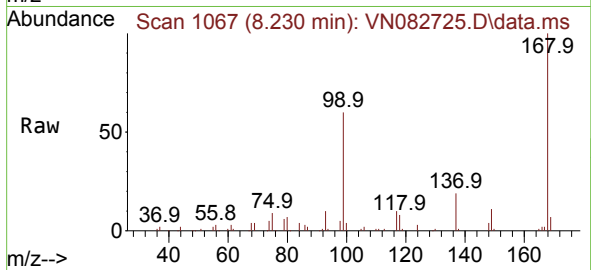
Lab File: VN082725.D

Acq: 25 Jun 2024 18:13

Instrument :

MSVOA_N

ClientSampleId :



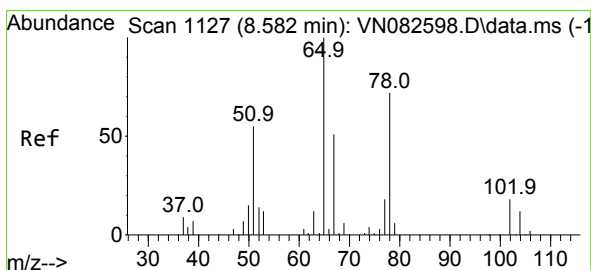
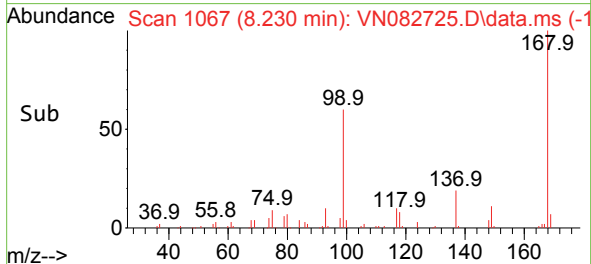
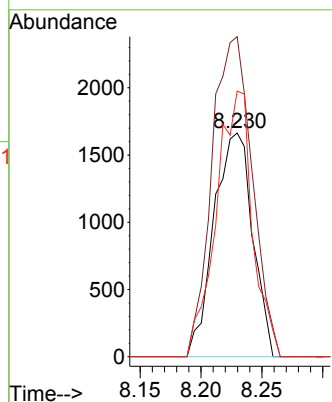
Tgt Ion: 56 Resp: 3659

Ion Ratio Lower Upper

56 100

69 143.0 24.5 36.7#

84 118.7 66.0 99.0#



#33

1,2-Dichloroethane-d4

Concen: 60.046 ug/l

RT: 8.583 min Scan# 1127

Delta R.T. 0.000 min

Lab File: VN082725.D

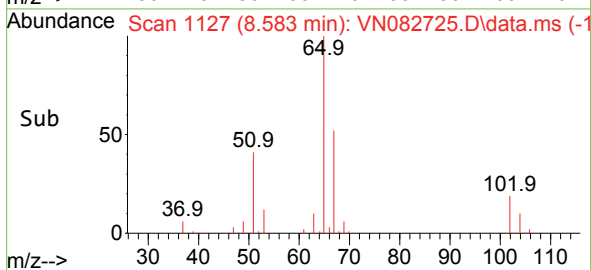
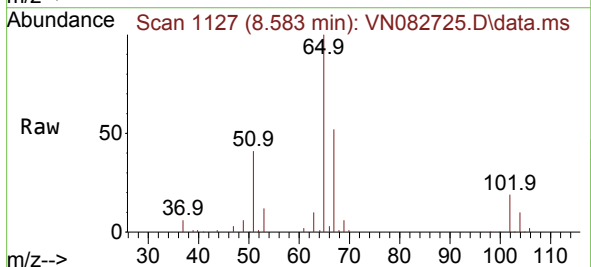
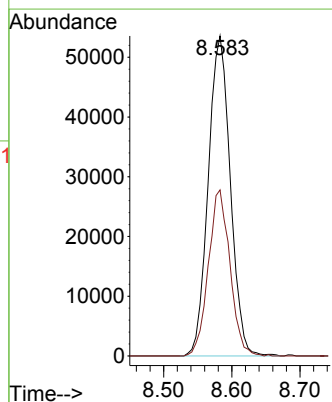
Acq: 25 Jun 2024 18:13

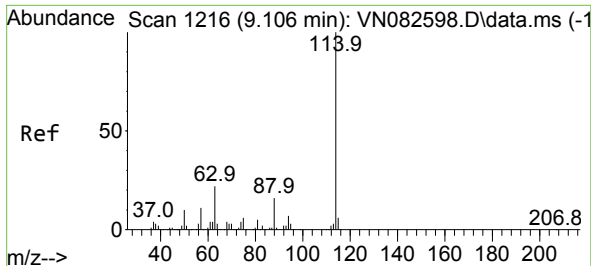
Tgt Ion: 65 Resp: 120795

Ion Ratio Lower Upper

65 100

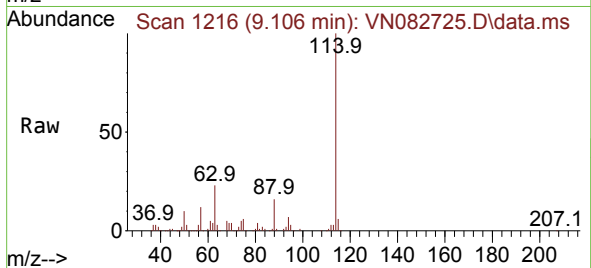
67 50.7 0.0 104.4



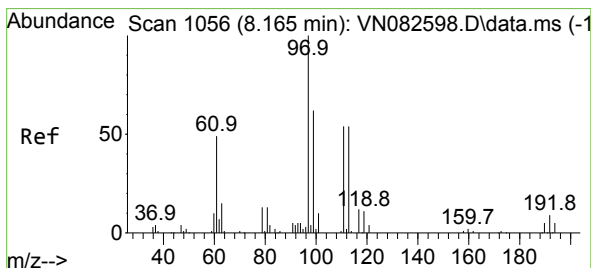
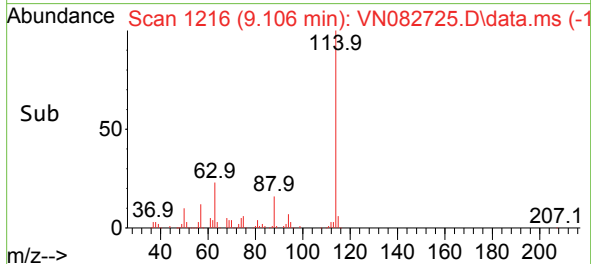
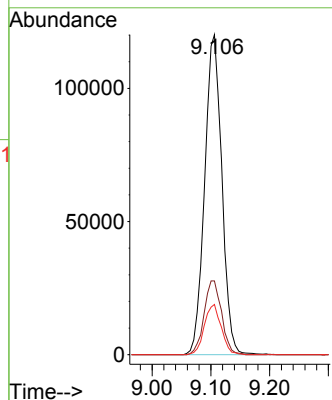


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 9.106 min Scan# 11
Delta R.T. 0.000 min
Lab File: VN082725.D
Acq: 25 Jun 2024 18:13

Instrument :
MSVOA_N
ClientSampleId :

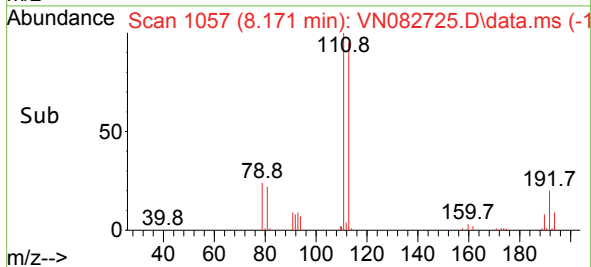
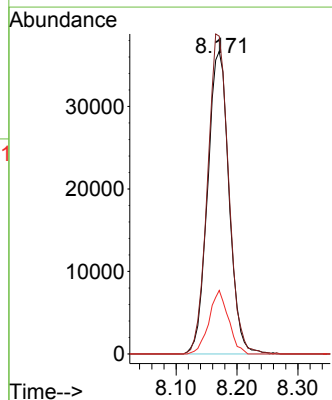
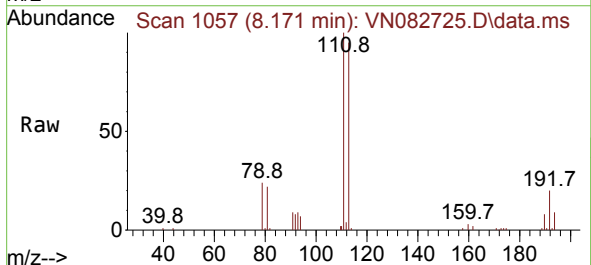


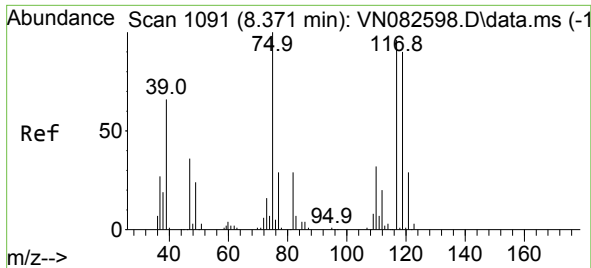
Tgt Ion:114 Resp: 243807
Ion Ratio Lower Upper
114 100
63 23.1 0.0 44.6
88 15.7 0.0 31.4



#35
Dibromofluoromethane
Concen: 54.092 ug/l
RT: 8.171 min Scan# 1057
Delta R.T. 0.006 min
Lab File: VN082725.D
Acq: 25 Jun 2024 18:13

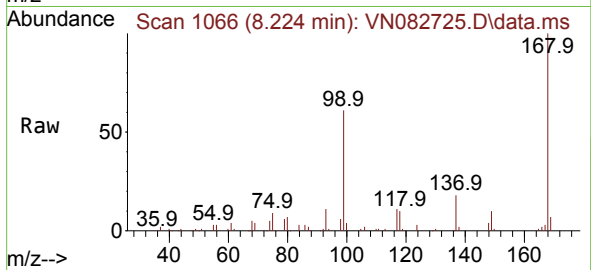
Tgt Ion:113 Resp: 89467
Ion Ratio Lower Upper
113 100
111 104.5 82.4 123.6
192 19.1 14.9 22.3



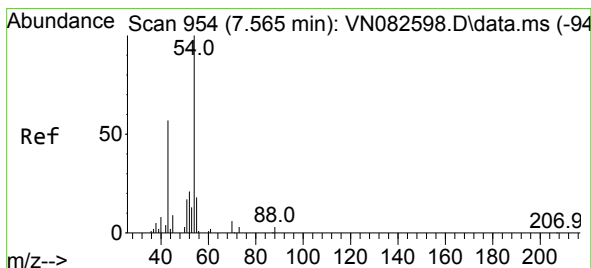
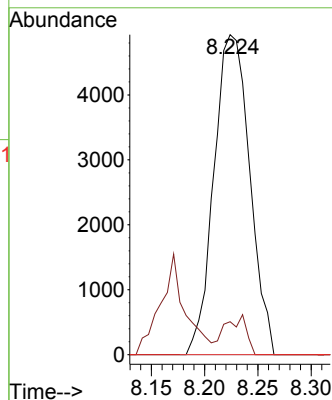
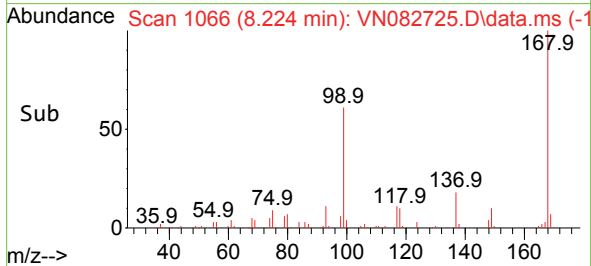


#36
1,1-Dichloropropene
Concen: 4.660 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. -0.147 min
Lab File: VN082725.D
Acq: 25 Jun 2024 18:13

Instrument :
MSVOA_N
ClientSampleId :

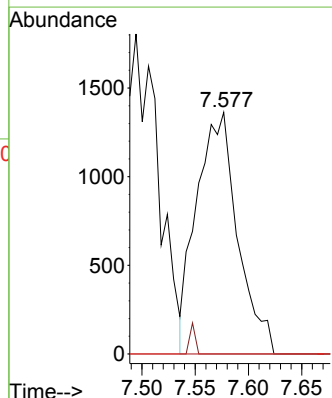
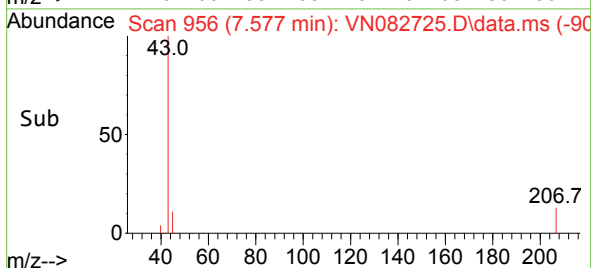
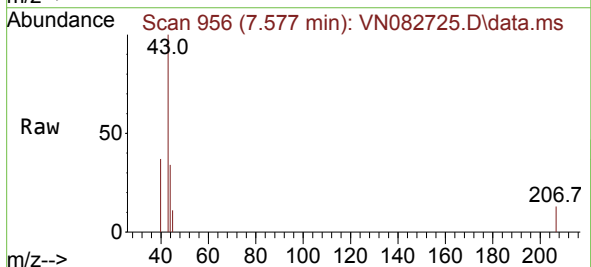


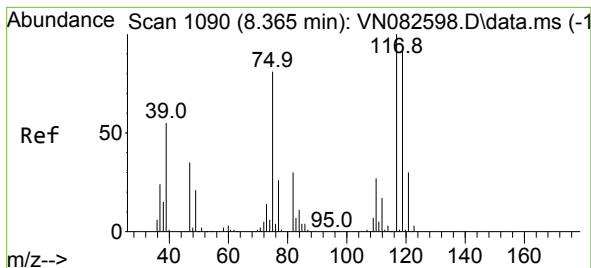
Tgt Ion: 75 Resp: 11523
Ion Ratio Lower Upper
75 100
110 7.6 16.3 48.9#
77 0.0 24.6 37.0#



#37
Ethyl Acetate
Concen: 1.160 ug/l
RT: 7.577 min Scan# 956
Delta R.T. 0.012 min
Lab File: VN082725.D
Acq: 25 Jun 2024 18:13

Tgt Ion: 43 Resp: 3652
Ion Ratio Lower Upper
43 100
61 0.0 9.3 13.9#
70 0.0 7.0 10.6#





#38

Carbon Tetrachloride

Concen: 4.779 ug/l

RT: 8.224 min Scan# 1066

Delta R.T. -0.141 min

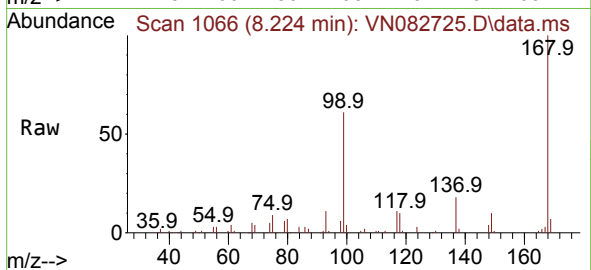
Lab File: VN082725.D

Acq: 25 Jun 2024 18:13

Instrument :

MSVOA_N

ClientSampleId :



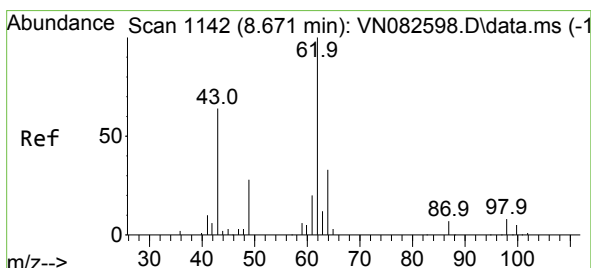
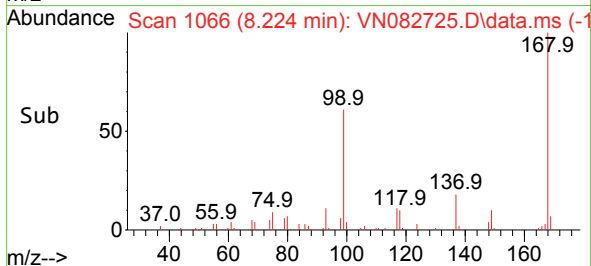
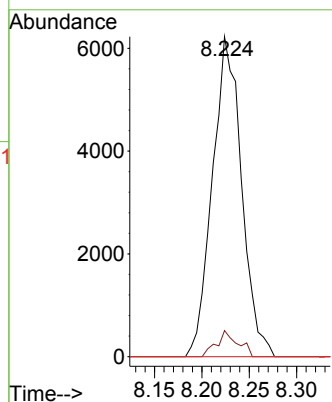
Tgt Ion:117 Resp: 13316

Ion Ratio Lower Upper

117 100

119 8.2 74.9 112.3#

121 0.0 24.3 36.5#



#42

1,2-Dichloroethane

Concen: 0.231 ug/l

RT: 8.694 min Scan# 1146

Delta R.T. 0.024 min

Lab File: VN082725.D

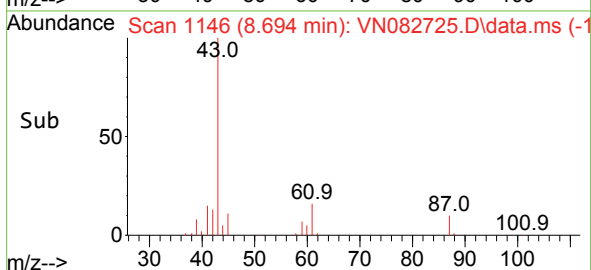
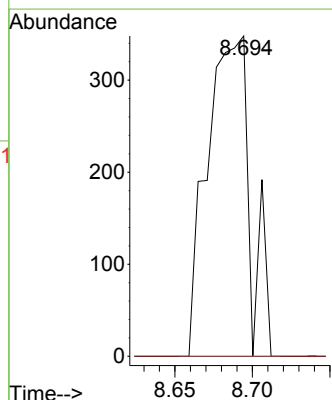
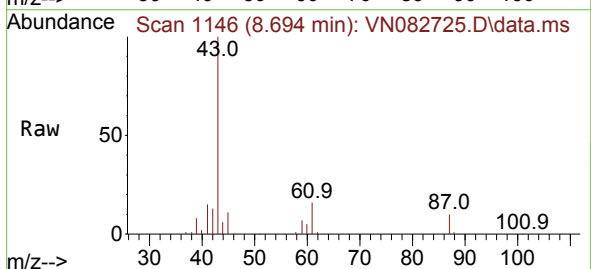
Acq: 25 Jun 2024 18:13

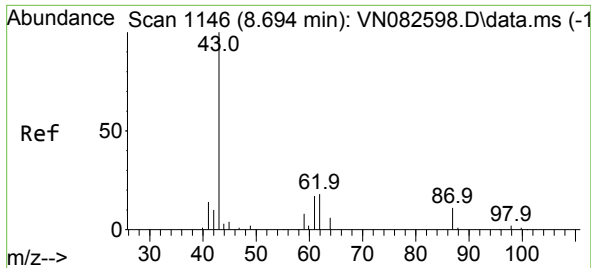
Tgt Ion: 62 Resp: 671

Ion Ratio Lower Upper

62 100

98 0.0 0.0 15.8

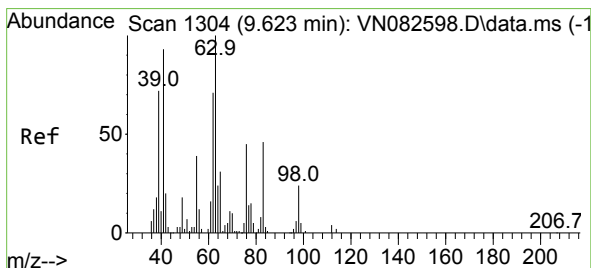
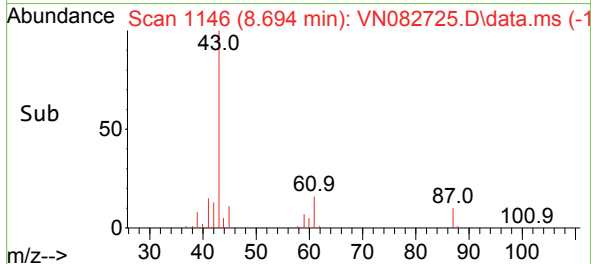
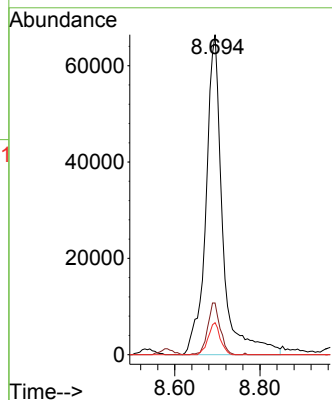
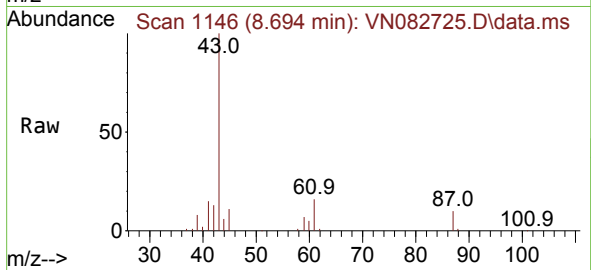




#43
Isopropyl Acetate
Concen: 30.723 ug/l
RT: 8.694 min Scan# 1146
Delta R.T. 0.000 min
Lab File: VN082725.D
Acq: 25 Jun 2024 18:13

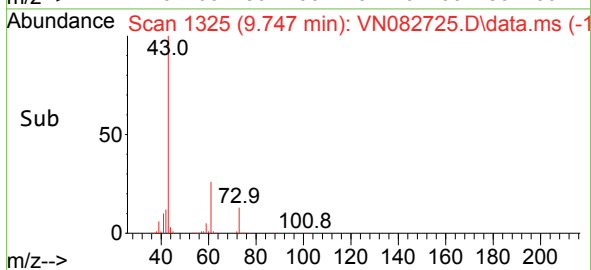
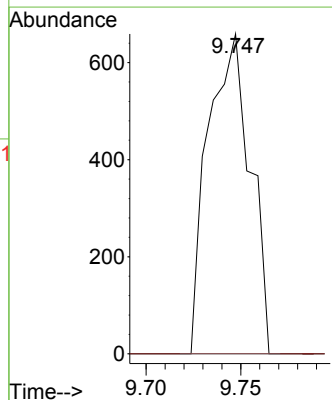
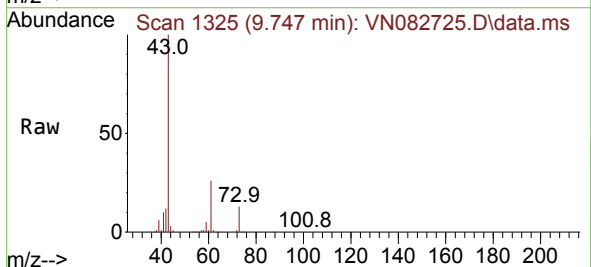
Instrument :
MSVOA_N
ClientSampleId :

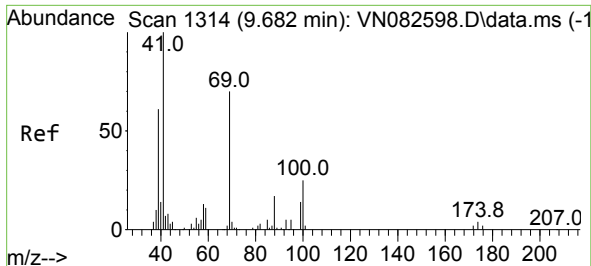
Tgt Ion: 43 Resp: 180832
Ion Ratio Lower Upper
43 100
61 12.0 17.8 26.6#
87 7.2 8.2 12.2#



#45
1,2-Dichloropropane
Concen: 0.518 ug/l
RT: 9.747 min Scan# 1325
Delta R.T. 0.124 min
Lab File: VN082725.D
Acq: 25 Jun 2024 18:13

Tgt Ion: 63 Resp: 1019
Ion Ratio Lower Upper
63 100
65 0.0 24.4 36.6#

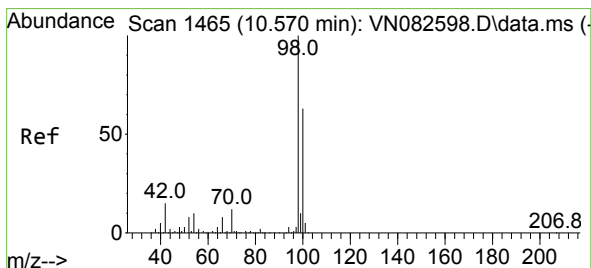
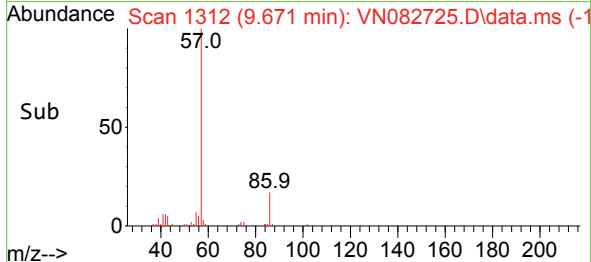
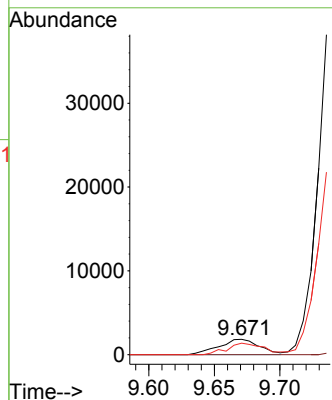
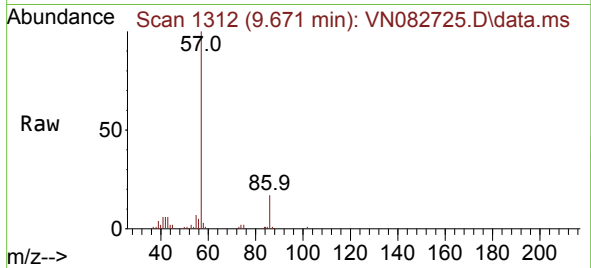




#48
Methyl methacrylate
Concen: 1.630 ug/l
RT: 9.671 min Scan# 11
Delta R.T. -0.011 min
Lab File: VN082725.D
Acq: 25 Jun 2024 18:13

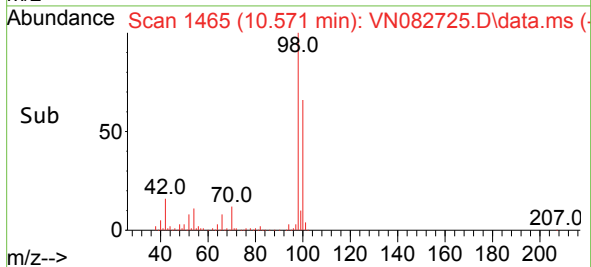
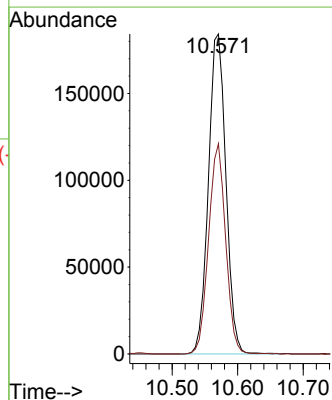
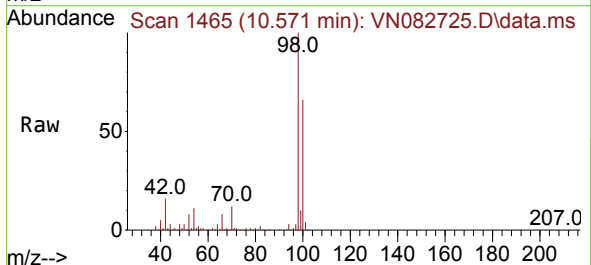
Instrument :
MSVOA_N
ClientSampleId :

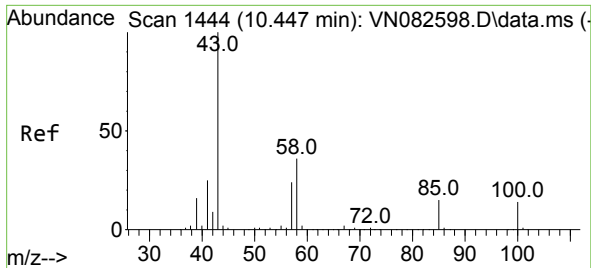
Tgt Ion: 41 Resp: 3954
Ion Ratio Lower Upper
41 100
69 0.0 56.3 84.5#
39 67.1 50.3 75.5



#50
Toluene-d8
Concen: 54.685 ug/l
RT: 10.571 min Scan# 1465
Delta R.T. 0.000 min
Lab File: VN082725.D
Acq: 25 Jun 2024 18:13

Tgt Ion: 98 Resp: 342040
Ion Ratio Lower Upper
98 100
100 64.0 51.5 77.3

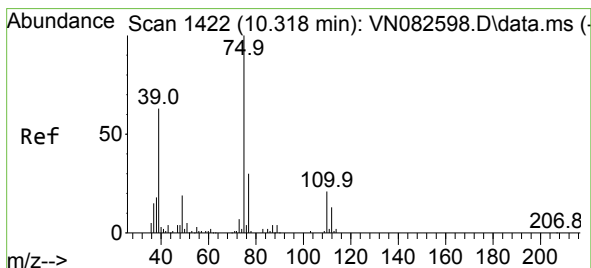
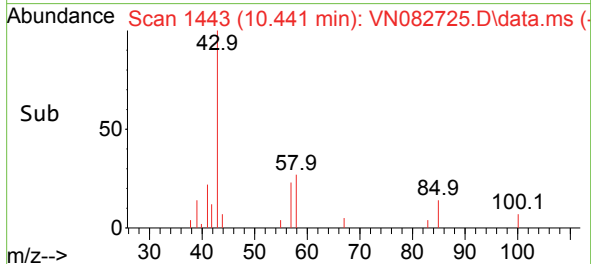
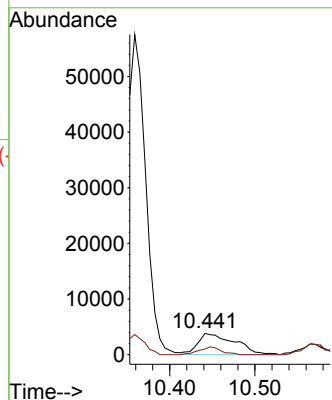
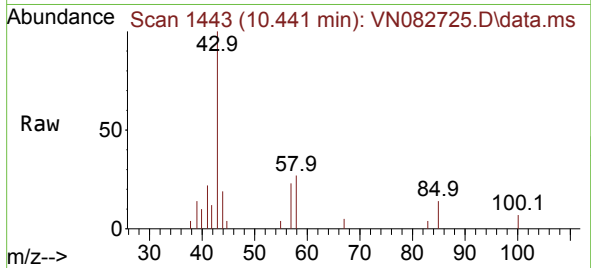




#51
4-Methyl-2-Pentanone
Concen: 3.845 ug/l
RT: 10.441 min Scan# 1443
Delta R.T. -0.006 min
Lab File: VN082725.D
Acq: 25 Jun 2024 18:13

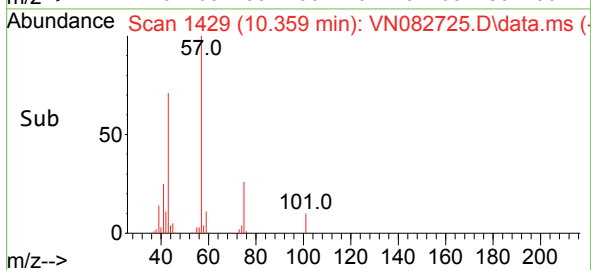
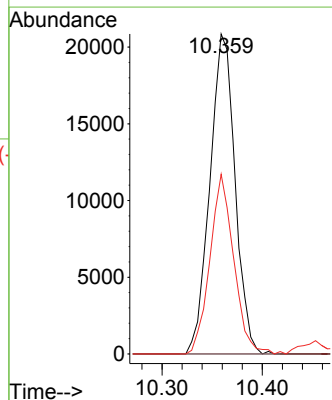
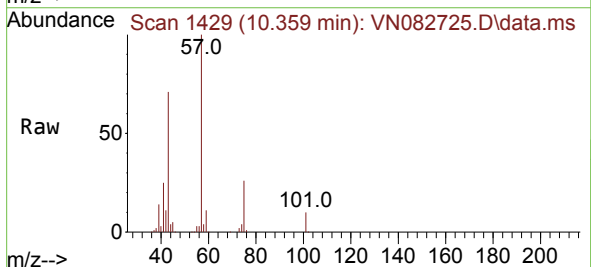
Instrument :
MSVOA_N
ClientSampleId :

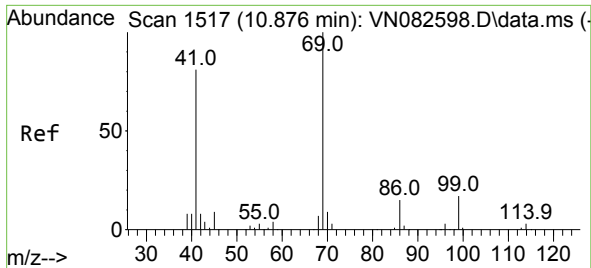
Tgt Ion: 43 Resp: 11608
Ion Ratio Lower Upper
43 100
58 21.5 28.2 42.4#



#54
cis-1,3-Dichloropropene
Concen: 12.085 ug/l
RT: 10.359 min Scan# 1429
Delta R.T. 0.041 min
Lab File: VN082725.D
Acq: 25 Jun 2024 18:13

Tgt Ion: 75 Resp: 36306
Ion Ratio Lower Upper
75 100
77 0.0 24.3 36.5#
39 56.2 50.5 75.7

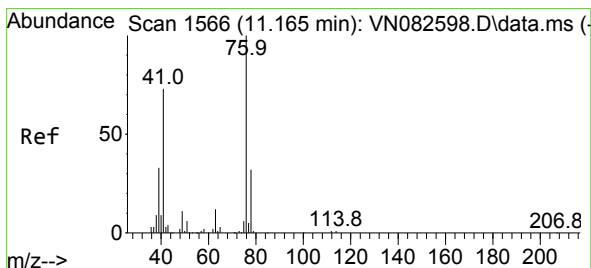
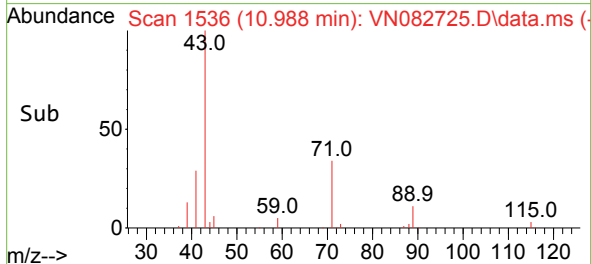
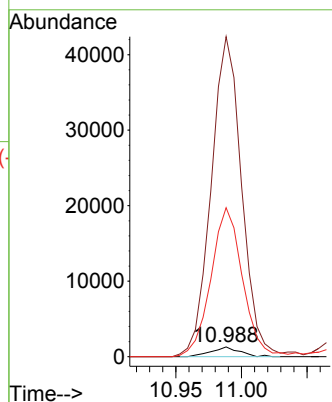
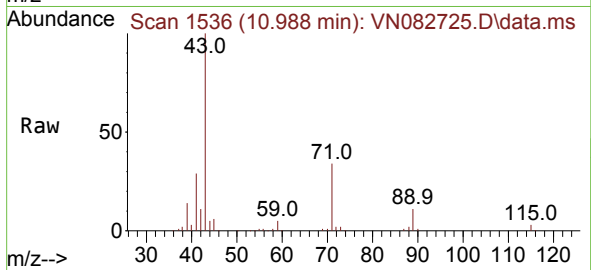




#56
Ethyl methacrylate
Concen: 0.698 ug/l
RT: 10.988 min Scan# 1536
Delta R.T. 0.112 min
Lab File: VN082725.D
Acq: 25 Jun 2024 18:13

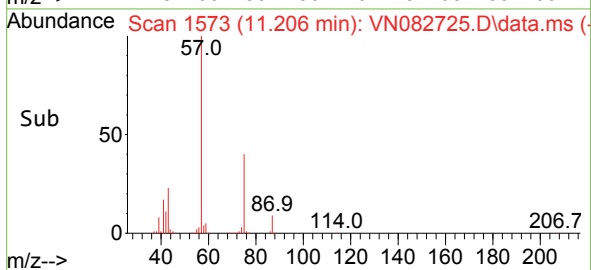
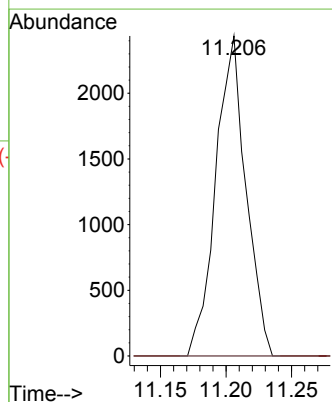
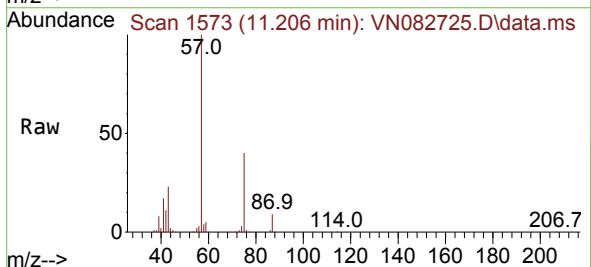
Instrument :
MSVOA_N
ClientSampleId :

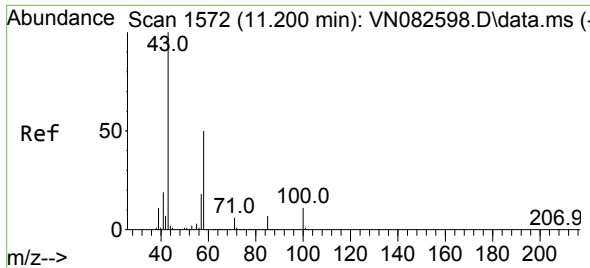
Tgt Ion: 69 Resp: 1938
Ion Ratio Lower Upper
69 100
41 3554.5 63.4 95.2#
39 1707.1 37.4 56.0#



#57
1,3-Dichloropropane
Concen: 1.259 ug/l
RT: 11.206 min Scan# 1573
Delta R.T. 0.041 min
Lab File: VN082725.D
Acq: 25 Jun 2024 18:13

Tgt Ion: 76 Resp: 3900
Ion Ratio Lower Upper
76 100
78 0.0 25.6 38.4#

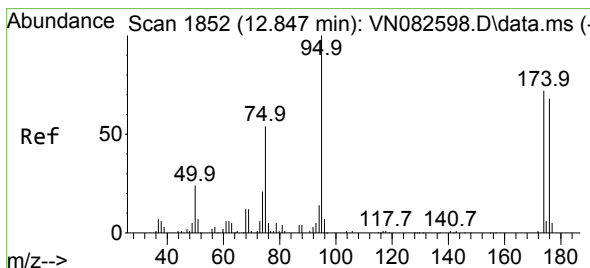
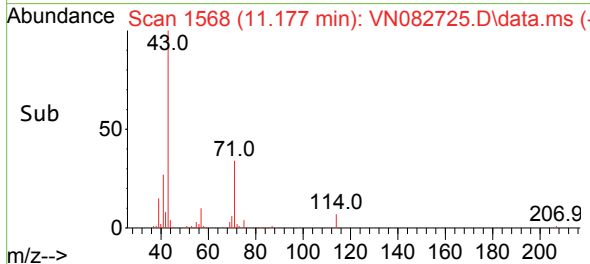
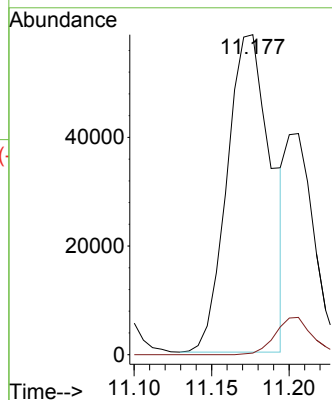
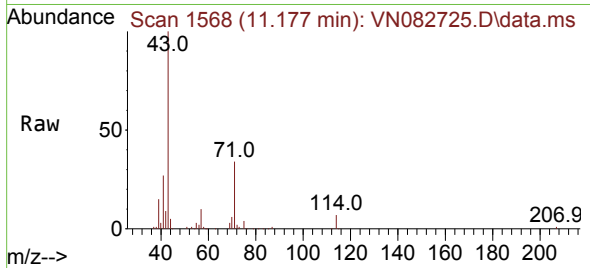




#59
2-Hexanone
Concen: 50.393 ug/l
RT: 11.177 min Scan# 115629
Delta R.T. -0.023 min
Lab File: VN082725.D
Acq: 25 Jun 2024 18:13

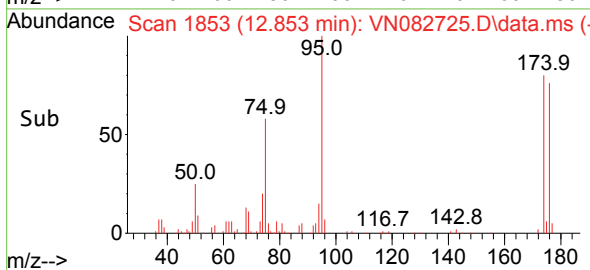
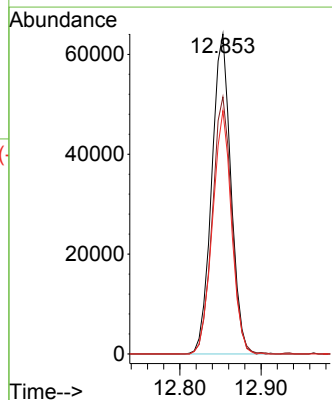
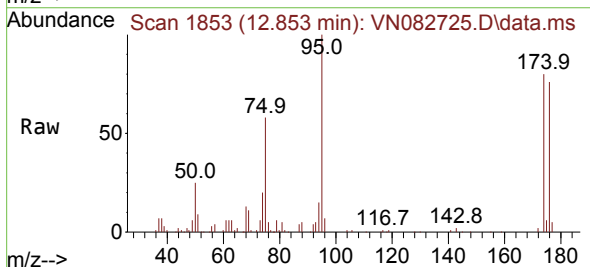
Instrument :
MSVOA_N
ClientSampleId :

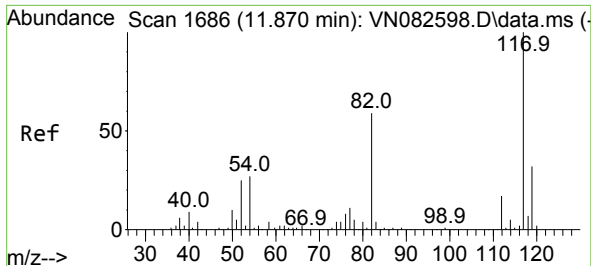
Tgt Ion: 43 Resp: 115629
Ion Ratio Lower Upper
43 100
58 0.0 24.6 73.8#



#62
4-Bromofluorobenzene
Concen: 48.663 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. 0.006 min
Lab File: VN082725.D
Acq: 25 Jun 2024 18:13

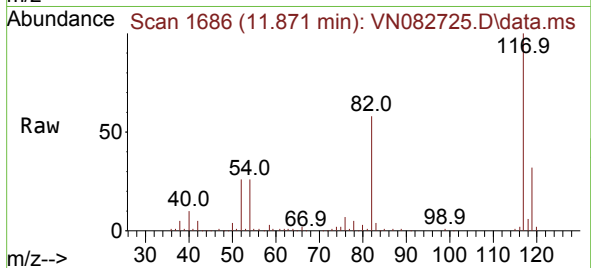
Tgt Ion: 95 Resp: 104937
Ion Ratio Lower Upper
95 100
174 81.4 0.0 159.2
176 75.6 0.0 147.6



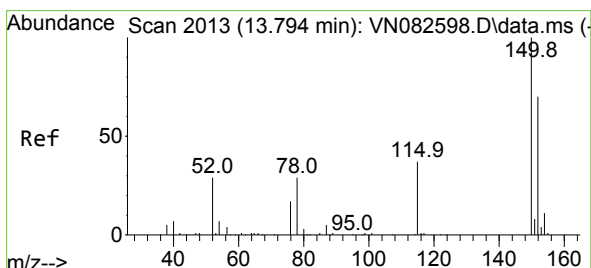
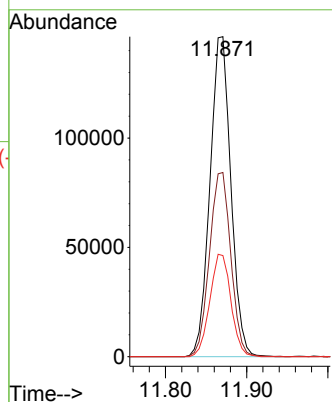
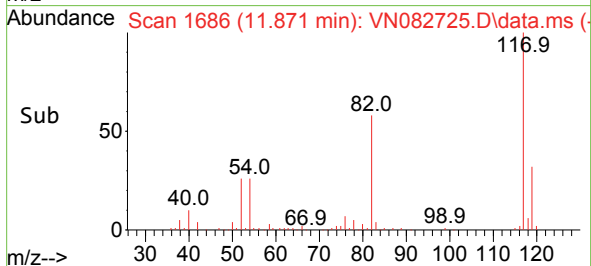


#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.871 min Scan# 11
Delta R.T. 0.000 min
Lab File: VN082725.D
Acq: 25 Jun 2024 18:13

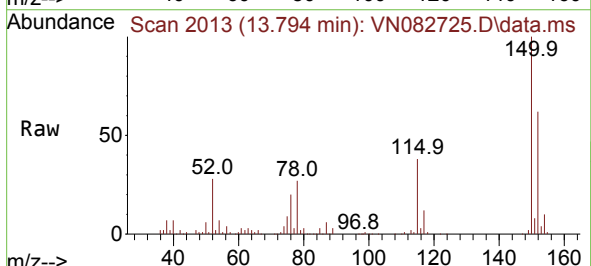
Instrument :
MSVOA_N
ClientSampleId :



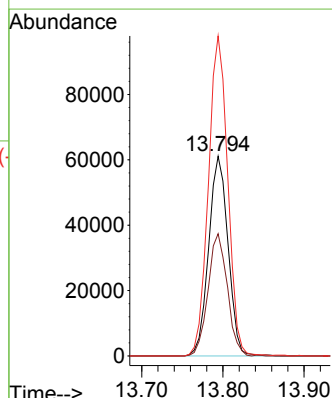
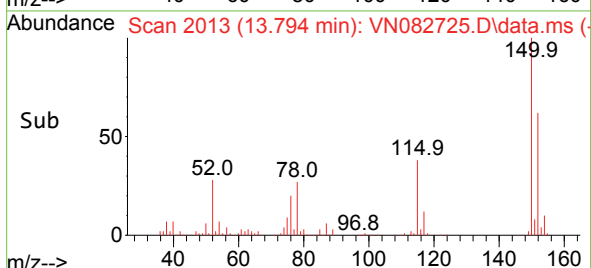
Tgt Ion:117 Resp: 262059
Ion Ratio Lower Upper
117 100
82 57.6 47.5 71.3
119 31.6 25.6 38.4

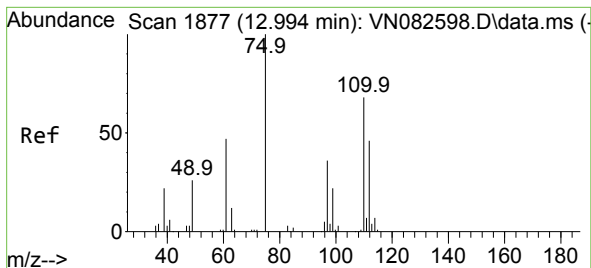


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.794 min Scan# 2013
Delta R.T. 0.000 min
Lab File: VN082725.D
Acq: 25 Jun 2024 18:13



Tgt Ion:152 Resp: 101294
Ion Ratio Lower Upper
152 100
115 60.8 30.6 91.6
150 160.0 0.0 348.6





#76

1,2,3-Trichloropropane

Concen: 24.900 ug/l

RT: 12.853 min Scan# 1853

Delta R.T. -0.141 min

Lab File: VN082725.D

Acq: 25 Jun 2024 18:13

Instrument :

MSVOA_N

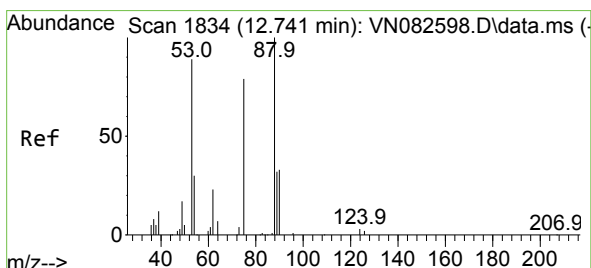
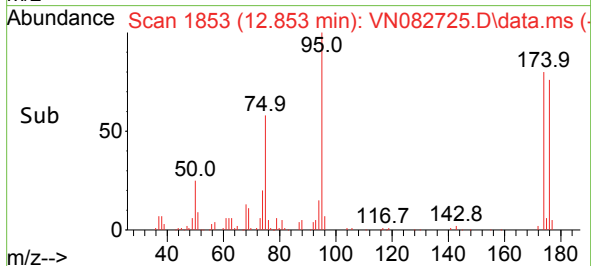
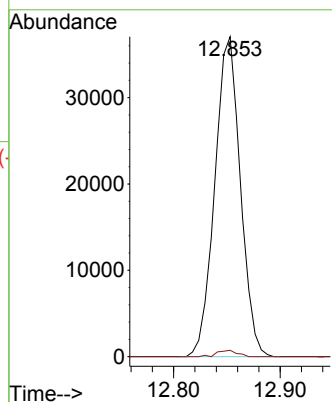
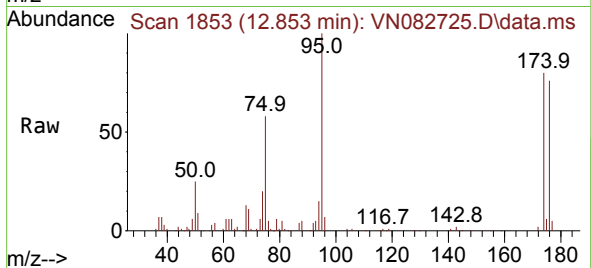
ClientSampleId :

Tgt Ion: 75 Resp: 61690

Ion Ratio Lower Upper

75 100

77 1.6 110.9 332.6#



#81

trans-1,4-Dichloro-2-butene

Concen: 59.572 ug/l

RT: 12.853 min Scan# 1853

Delta R.T. 0.112 min

Lab File: VN082725.D

Acq: 25 Jun 2024 18:13

Tgt Ion: 75 Resp: 61690

Ion Ratio Lower Upper

75 100

53 0.1 88.4 132.6#

89 0.0 36.3 54.5#

