

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN060524\
 Data File : VN082470.D
 Acq On : 05 Jun 2024 15:01
 Operator : JC\MD
 Sample : P2704-04
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

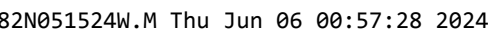
Quant Time: Jun 06 00:57:16 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N051524W.M
 Quant Title : SW846 8260
 QLast Update : Thu May 16 05:21:06 2024
 Response via : Initial Calibration

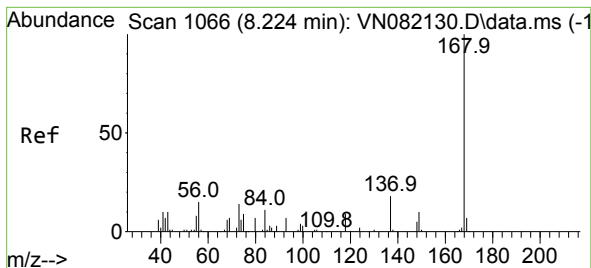
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Pentafluorobenzene	8.224	168	159427	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	299034	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.870	117	304559	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	125329	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.582	65	141443	56.186	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 112.380%			
35) Dibromofluoromethane	8.171	113	101797	55.339	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 110.680%			
50) Toluene-d8	10.570	98	401541	56.935	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 113.880%#			
62) 4-Bromofluorobenzene	12.853	95	130013	51.649	ug/l	0.00
Spiked Amount 50.000	Range 64 - 133		Recovery = 103.300%			
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	5.506	59	226	0.559	ug/l #	71
14) Allyl chloride	4.953	41	1519	0.407	ug/l #	22
16) Acetone	4.430	43	97803	94.708	ug/l	93
18) Methyl Acetate	5.030	43	2897	1.126	ug/l #	61
20) Methylene Chloride	5.277	84	4475	2.148	ug/l #	78
25) 2-Butanone	7.494	43	23973	15.311	ug/l #	77
29) Tetrahydrofuran	7.853	42	3744	3.724	ug/l #	78
31) Cyclohexane	8.235	56	4440	1.104	ug/l #	18
36) 1,1-Dichloropropene	8.229	75	14911	4.833	ug/l #	46
37) Ethyl Acetate	7.571	43	5409	1.567	ug/l #	76
38) Carbon Tetrachloride	8.224	117	16661	5.327	ug/l #	17
41) Methacrylonitrile	7.859	41	2161	1.064	ug/l #	42
42) 1,2-Dichloroethane	8.682	62	1041	0.294	ug/l #	73
43) Isopropyl Acetate	8.688	43	294177	48.085	ug/l #	70
45) 1,2-Dichloropropane	9.741	63	1552	0.654	ug/l #	45
48) Methyl methacrylate	9.665	41	5364	1.840	ug/l #	37
49) 1,4-Dioxane	9.735	88	60	1.469	ug/l #	1
51) 4-Methyl-2-Pentanone	10.570	43	9629	2.770	ug/l	89
53) t-1,3-Dichloropropene	10.735	75	944	0.277	ug/l #	43
54) cis-1,3-Dichloropropene	10.359	75	47767	13.263	ug/l #	74
56) Ethyl methacrylate	10.994	69	1829	0.537	ug/l #	1
57) 1,3-Dichloropropane	11.206	76	6414	1.710	ug/l #	42
59) 2-Hexanone	11.170	43	134248	52.747	ug/l #	23
71) Bromoform	12.847	173	622	1.049	ug/l #	28
76) 1,2,3-Trichloropropane	12.853	75	76903	29.153	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.853	75	76903	68.189	ug/l #	12

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

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Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 8.224 min Scan# 1066

Delta R.T. -0.000 min

Lab File: VN082470.D

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Instrument :

MSVOA_N

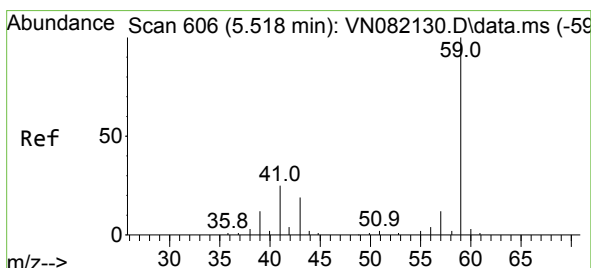
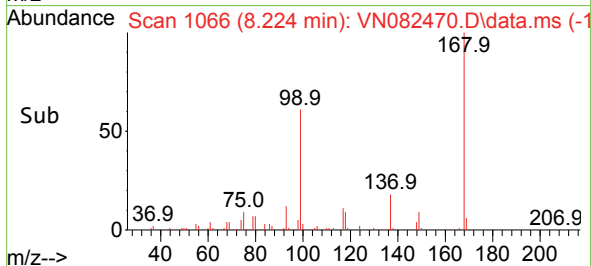
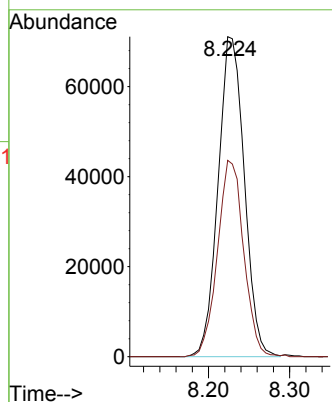
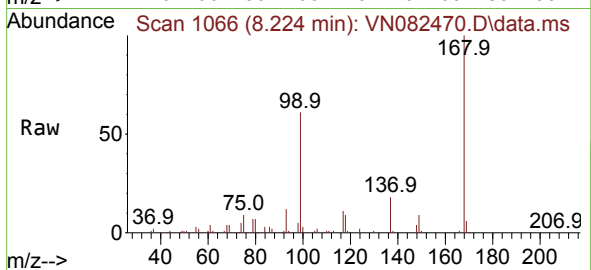
ClientSampleId :

Tgt Ion:168 Resp: 159427

Ion Ratio Lower Upper

168 100

99 61.3 48.2 72.4



#11

Tert butyl alcohol

Concen: 0.559 ug/l

RT: 5.506 min Scan# 604

Delta R.T. -0.012 min

Lab File: VN082470.D

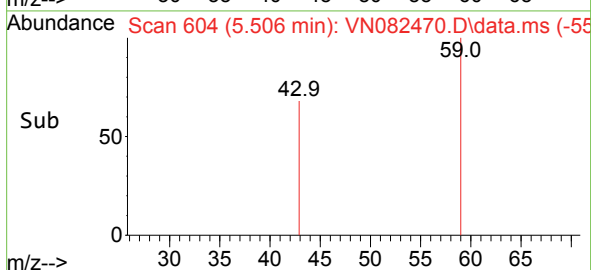
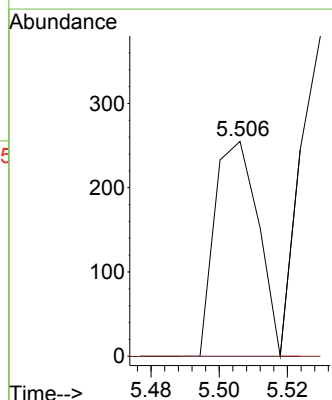
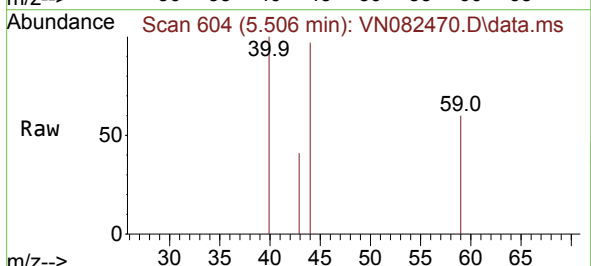
Acq: 05 Jun 2024 15:01

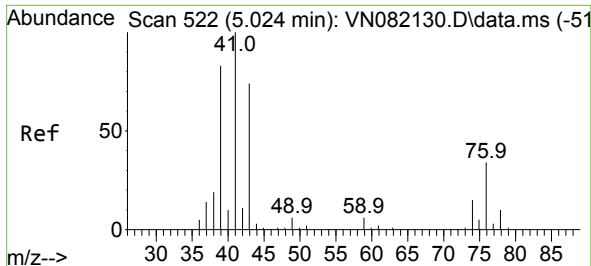
Tgt Ion: 59 Resp: 226

Ion Ratio Lower Upper

59 100

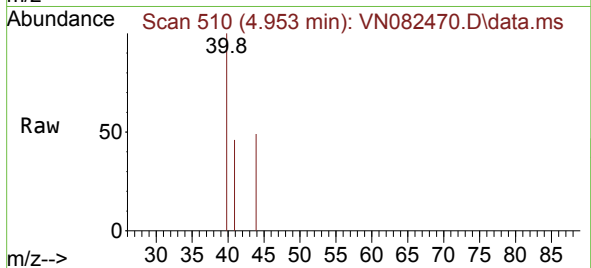
57 0.0 8.9 13.3#



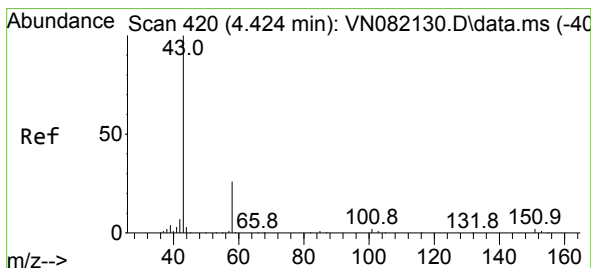
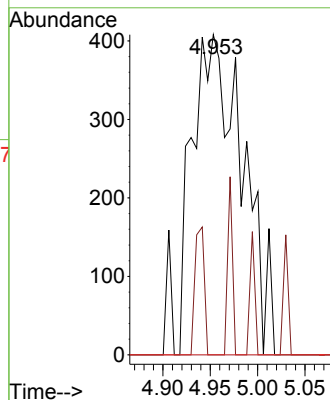
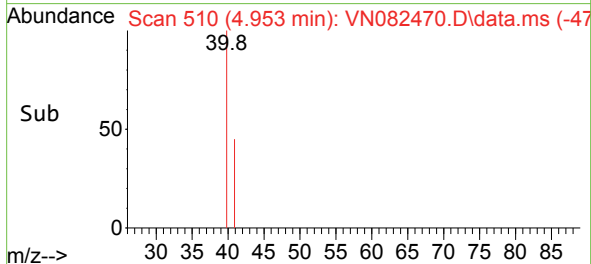


#14
Allyl chloride
Concen: 0.407 ug/l
RT: 4.953 min Scan# 51
Delta R.T. -0.071 min
Lab File: VN082470.D
Acq: 05 Jun 2024 15:01

Instrument :
MSVOA_N
ClientSampleId :

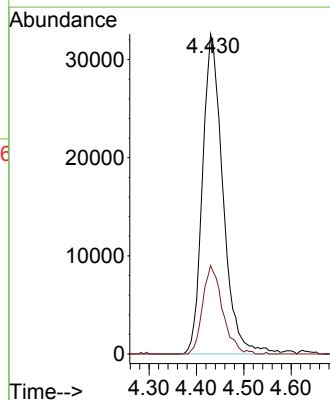
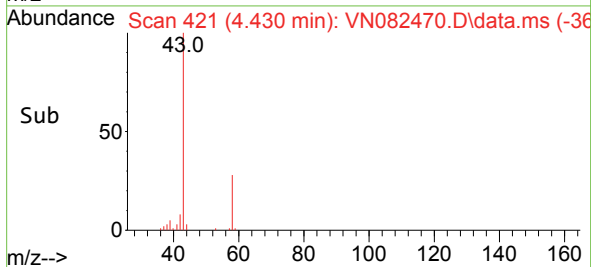
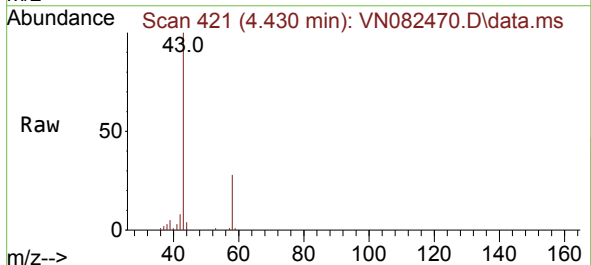


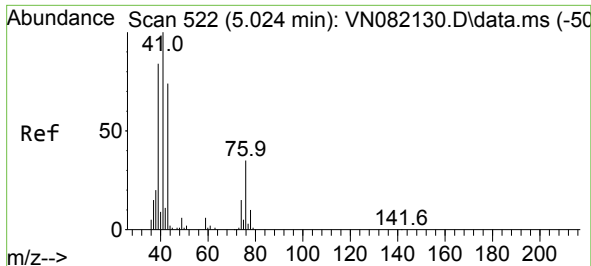
Tgt Ion	Ratio	Lower	Upper
41	100		
39	7.4	65.4	98.0#
76	0.0	37.3	55.9#



#16
Acetone
Concen: 94.708 ug/l
RT: 4.430 min Scan# 421
Delta R.T. 0.006 min
Lab File: VN082470.D
Acq: 05 Jun 2024 15:01

Tgt Ion	Ratio	Lower	Upper
43	100		
58	27.6	25.2	37.8

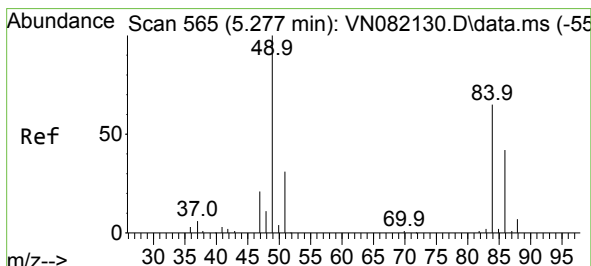
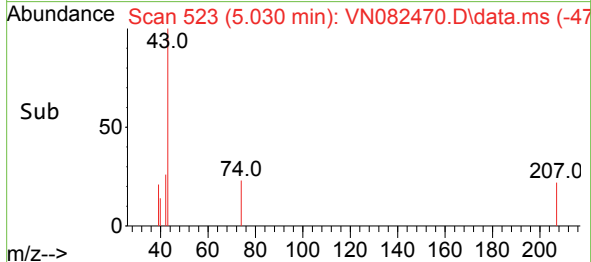
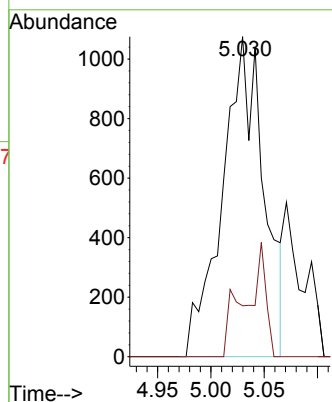
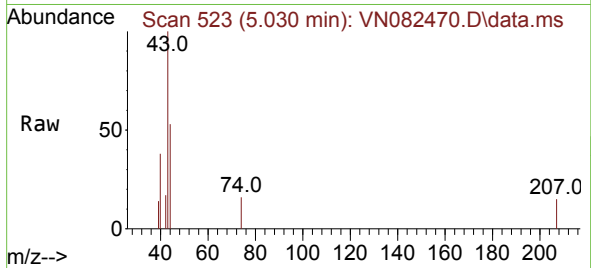




#18
Methyl Acetate
Concen: 1.126 ug/l
RT: 5.030 min Scan# 51
Delta R.T. 0.006 min
Lab File: VN082470.D
Acq: 05 Jun 2024 15:01

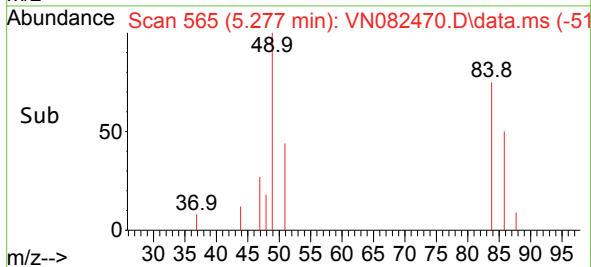
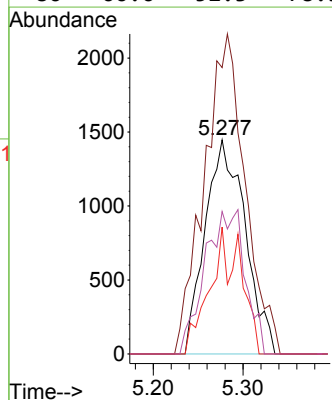
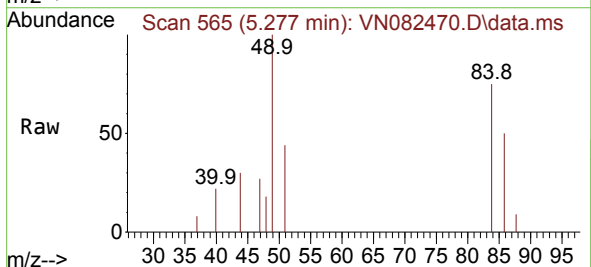
Instrument :
MSVOA_N
ClientSampleId :

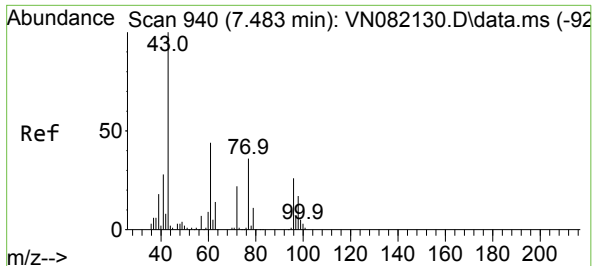
Tgt Ion: 43 Resp: 2897
Ion Ratio Lower Upper
43 100
74 7.1 22.2 33.2#



#20
Methylene Chloride
Concen: 2.148 ug/l
RT: 5.277 min Scan# 565
Delta R.T. -0.000 min
Lab File: VN082470.D
Acq: 05 Jun 2024 15:01

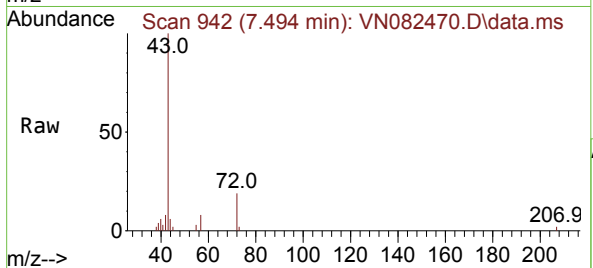
Tgt Ion: 84 Resp: 4475
Ion Ratio Lower Upper
84 100
49 133.8 84.9 127.3#
51 59.3 27.0 40.6#
86 66.6 52.3 78.5



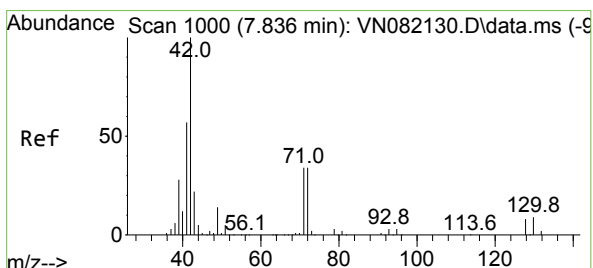
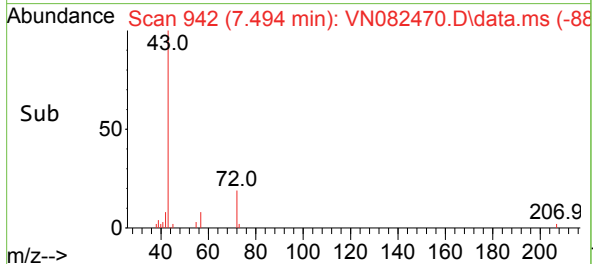
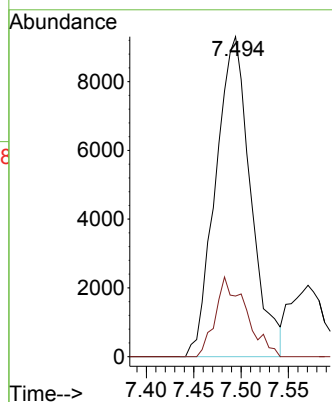


#25
2-Butanone
Concen: 15.311 ug/l
RT: 7.494 min Scan# 94
Delta R.T. 0.012 min
Lab File: VN082470.D
Acq: 05 Jun 2024 15:01

Instrument :
MSVOA_N
ClientSampleId :

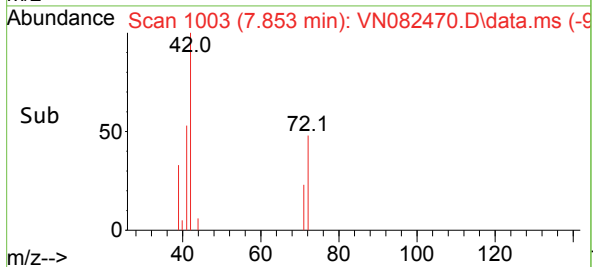
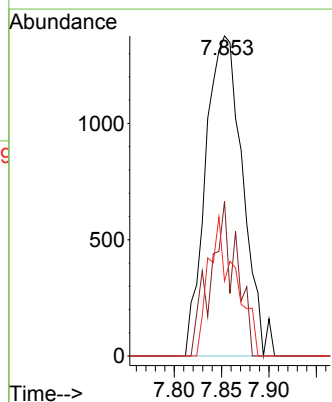
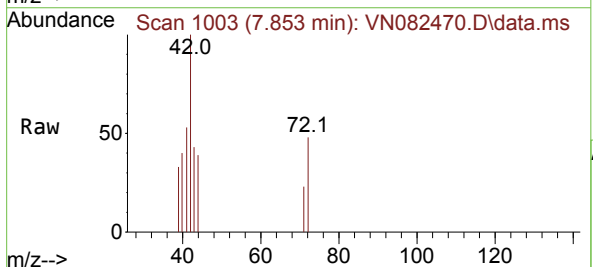


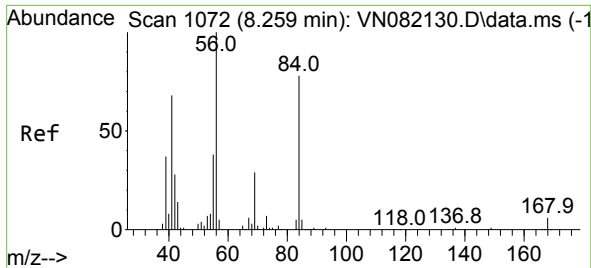
Tgt Ion: 43 Resp: 23973
Ion Ratio Lower Upper
43 100
72 19.0 25.3 37.9#



#29
Tetrahydrofuran
Concen: 3.724 ug/l
RT: 7.853 min Scan# 1003
Delta R.T. 0.017 min
Lab File: VN082470.D
Acq: 05 Jun 2024 15:01

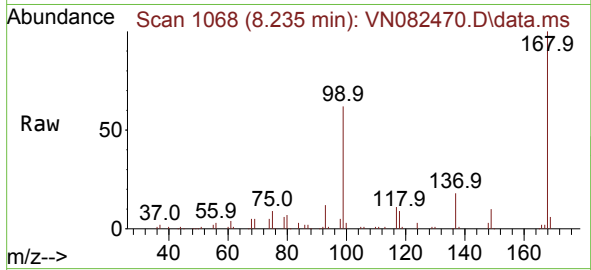
Tgt Ion: 42 Resp: 3744
Ion Ratio Lower Upper
42 100
72 34.1 39.3 58.9#
71 31.4 37.4 56.0#



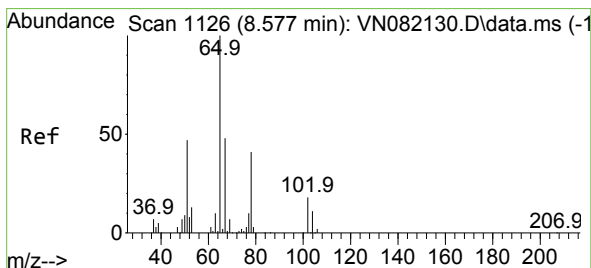
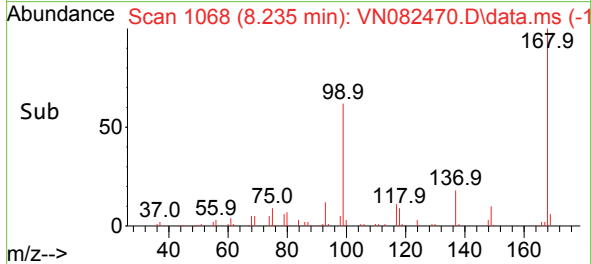
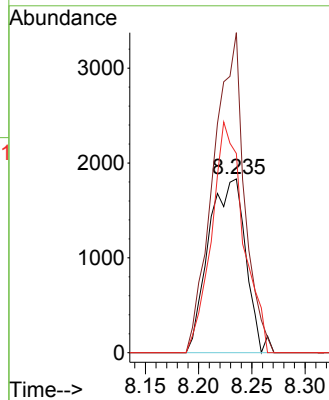


#31
Cyclohexane
Concen: 1.104 ug/l
RT: 8.235 min Scan# 1068
Delta R.T. -0.024 min
Lab File: VN082470.D
Acq: 05 Jun 2024 15:01

Instrument :
MSVOA_N
ClientSampleId :

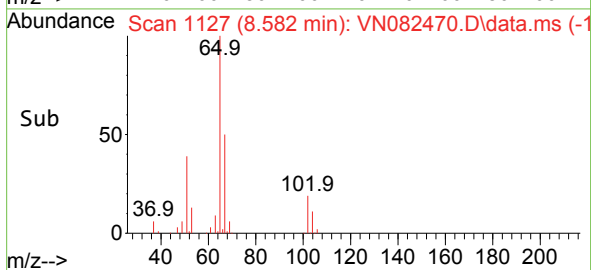
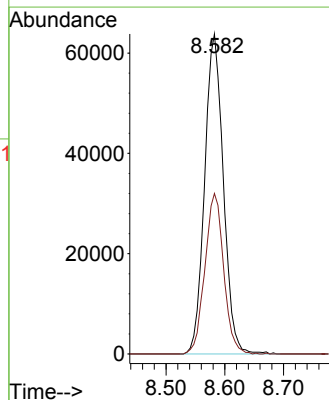
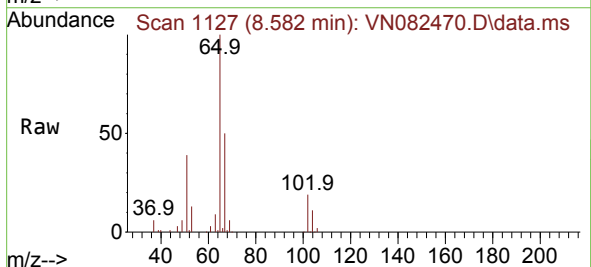


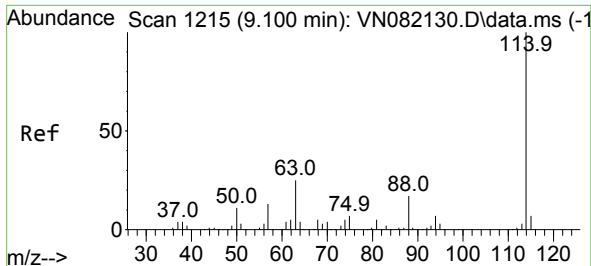
Tgt Ion: 56 Resp: 4440
Ion Ratio Lower Upper
56 100
69 184.1 24.4 36.6#
84 114.6 77.0 115.4



#33
1,2-Dichloroethane-d4
Concen: 56.186 ug/l
RT: 8.582 min Scan# 1127
Delta R.T. 0.006 min
Lab File: VN082470.D
Acq: 05 Jun 2024 15:01

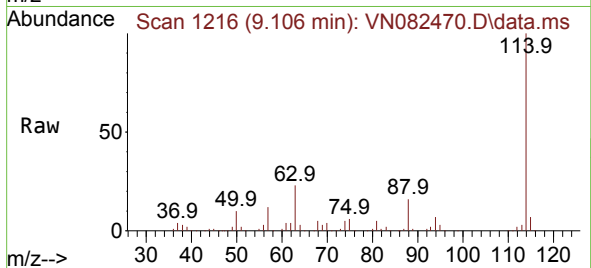
Tgt Ion: 65 Resp: 141443
Ion Ratio Lower Upper
65 100
67 50.2 0.0 103.0



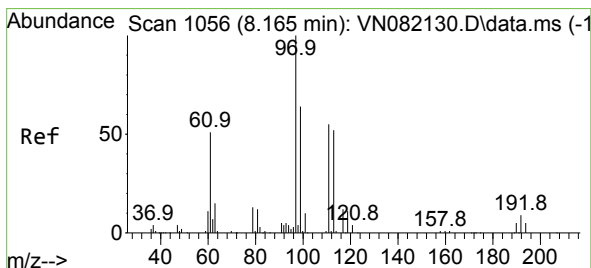
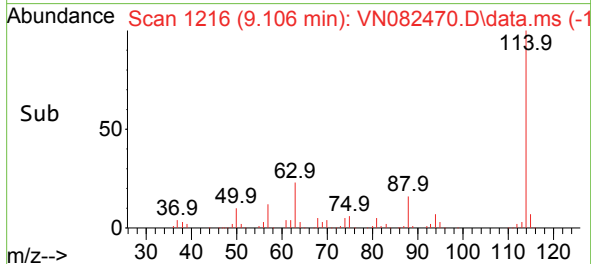
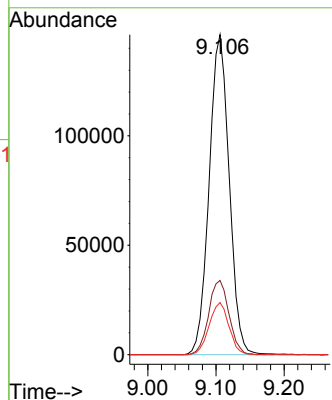


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 9.106 min Scan# 11
Delta R.T. 0.006 min
Lab File: VN082470.D
Acq: 05 Jun 2024 15:01

Instrument :
MSVOA_N
ClientSampleId :

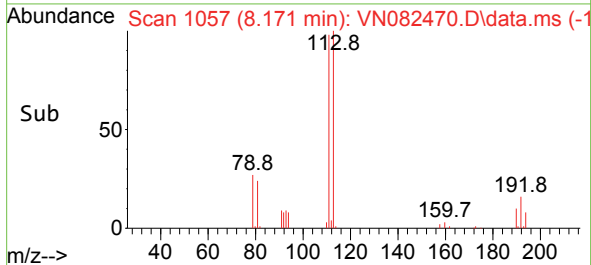
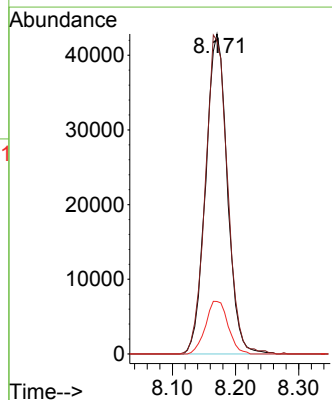
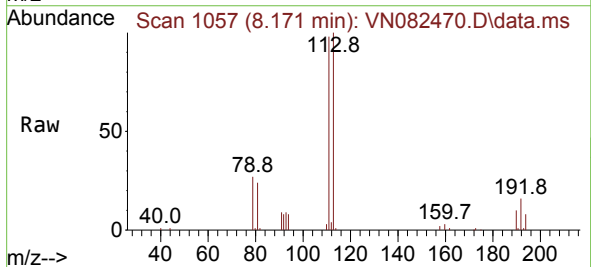


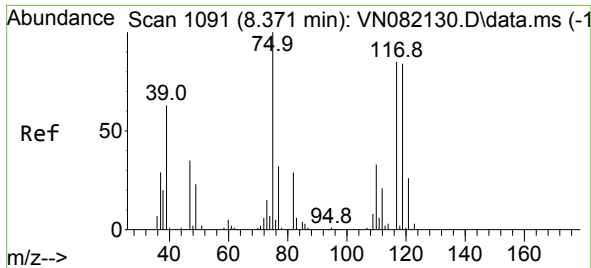
Tgt Ion:114 Resp: 299034
Ion Ratio Lower Upper
114 100
63 23.2 0.0 41.0
88 16.3 0.0 31.4



#35
Dibromofluoromethane
Concen: 55.339 ug/l
RT: 8.171 min Scan# 1057
Delta R.T. 0.006 min
Lab File: VN082470.D
Acq: 05 Jun 2024 15:01

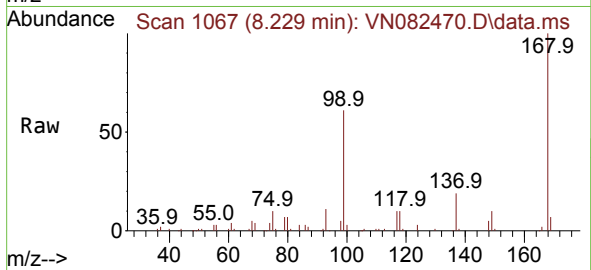
Tgt Ion:113 Resp: 101797
Ion Ratio Lower Upper
113 100
111 101.8 83.4 125.2
192 17.1 14.0 21.0



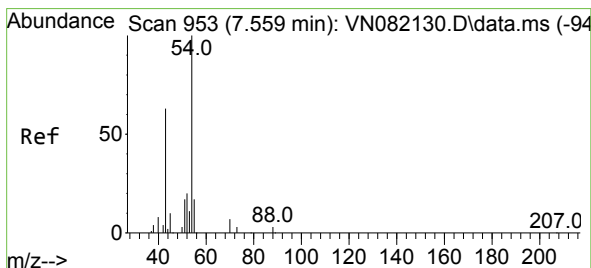
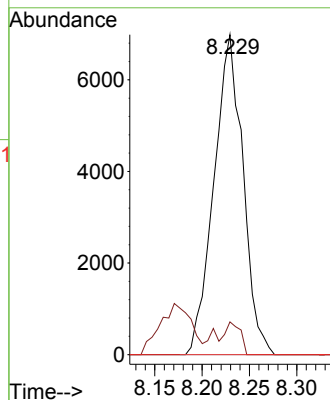
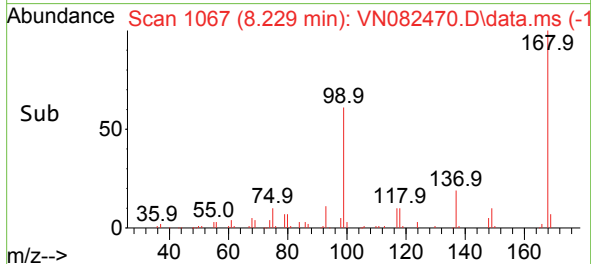


#36
1,1-Dichloropropene
Concen: 4.833 ug/l
RT: 8.229 min Scan# 1067
Delta R.T. -0.141 min
Lab File: VN082470.D
Acq: 05 Jun 2024 15:01

Instrument :
MSVOA_N
ClientSampleId :

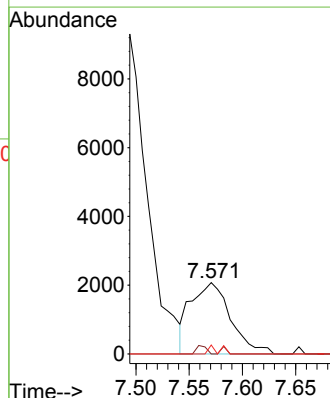
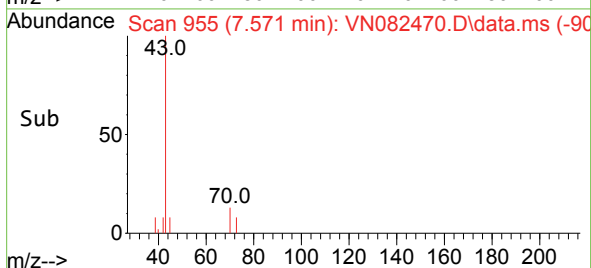
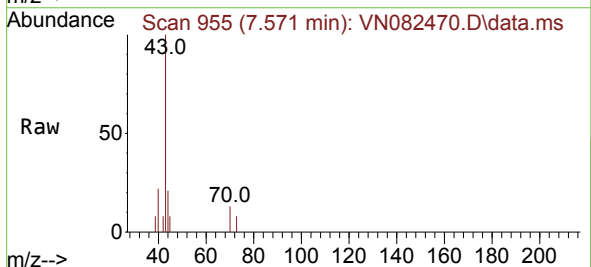


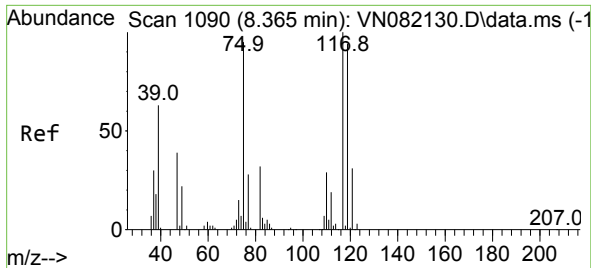
Tgt Ion: 75 Resp: 14911
Ion Ratio Lower Upper
75 100
110 5.5 17.8 53.5#
77 0.0 25.0 37.4#



#37
Ethyl Acetate
Concen: 1.567 ug/l
RT: 7.571 min Scan# 955
Delta R.T. 0.012 min
Lab File: VN082470.D
Acq: 05 Jun 2024 15:01

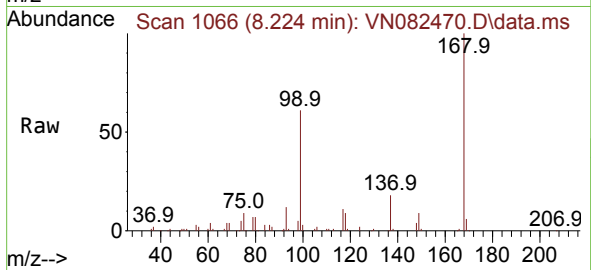
Tgt Ion: 43 Resp: 5409
Ion Ratio Lower Upper
43 100
61 2.9 11.3 16.9#
70 3.3 8.7 13.1#



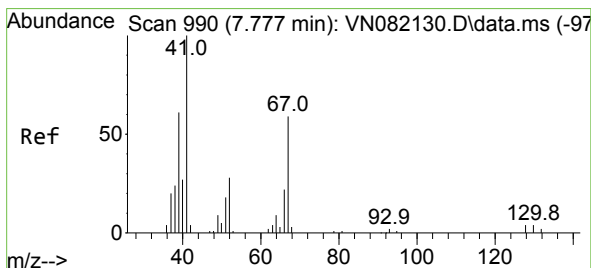
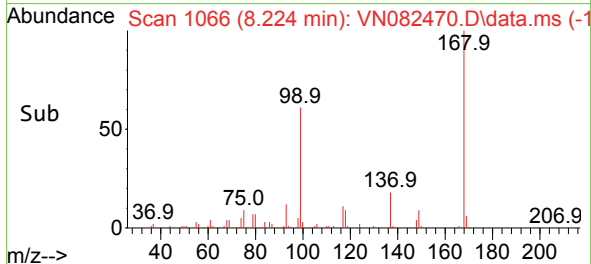
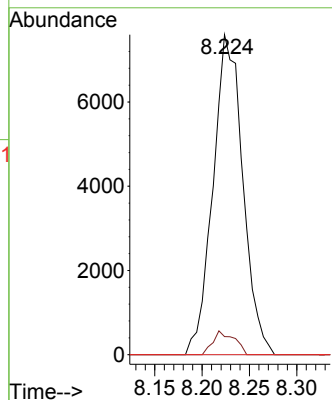


#38
Carbon Tetrachloride
Concen: 5.327 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. -0.141 min
Lab File: VN082470.D
Acq: 05 Jun 2024 15:01

Instrument :
MSVOA_N
ClientSampleId :

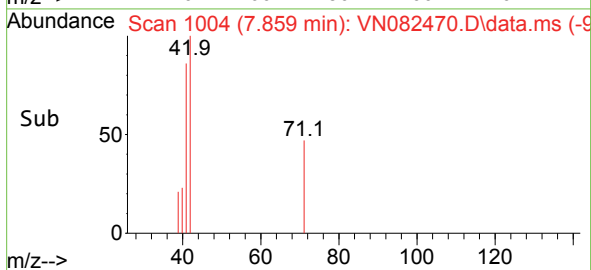
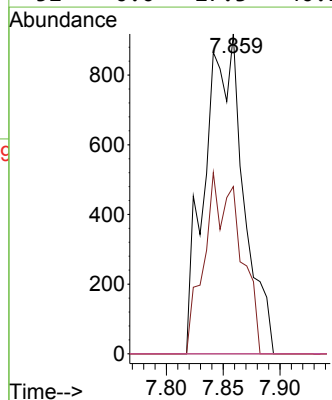
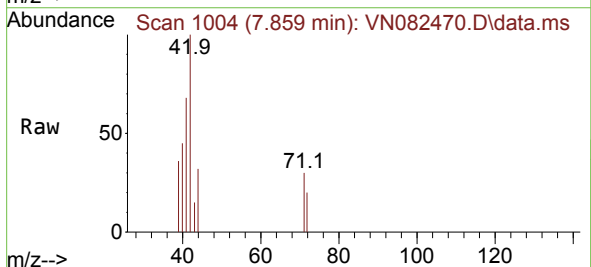


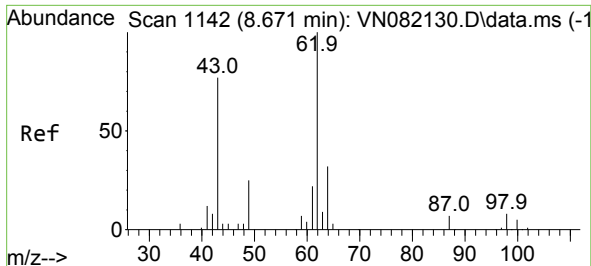
Tgt Ion:117 Resp: 16661
Ion Ratio Lower Upper
117 100
119 5.7 76.5 114.7#
121 0.0 23.9 35.9#



#41
Methacrylonitrile
Concen: 1.064 ug/l
RT: 7.859 min Scan# 1004
Delta R.T. 0.082 min
Lab File: VN082470.D
Acq: 05 Jun 2024 15:01

Tgt Ion: 41 Resp: 2161
Ion Ratio Lower Upper
41 100
39 52.5 46.6 69.8
67 0.0 67.3 100.9#
52 0.0 27.3 40.9#





#42

1,2-Dichloroethane

Concen: 0.294 ug/l

RT: 8.682 min Scan# 1144

Delta R.T. 0.012 min

Lab File: VN082470.D

Acq: 05 Jun 2024 15:01

Instrument :

MSVOA_N

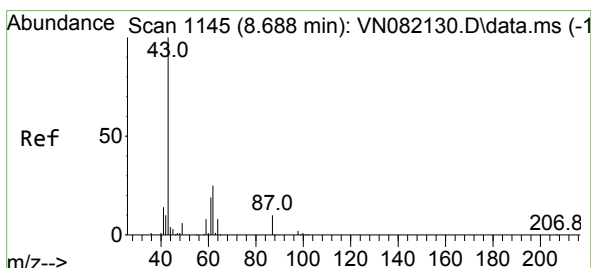
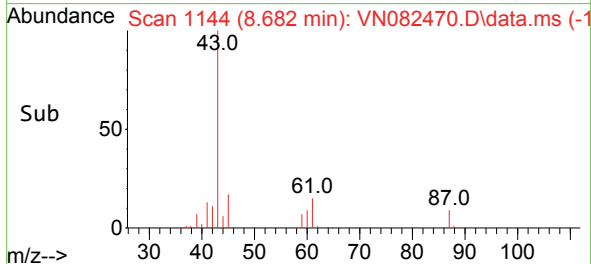
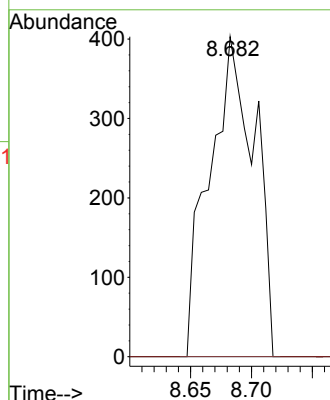
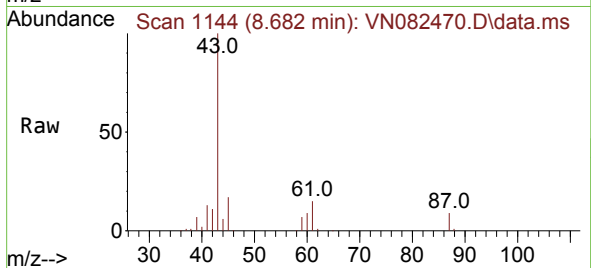
ClientSampleId :

Tgt Ion: 62 Resp: 1041

Ion Ratio Lower Upper

62 100

98 0.0 0.0 19.6



#43

Isopropyl Acetate

Concen: 48.085 ug/l

RT: 8.688 min Scan# 1145

Delta R.T. -0.000 min

Lab File: VN082470.D

Acq: 05 Jun 2024 15:01

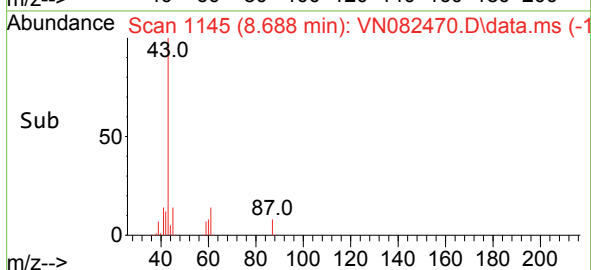
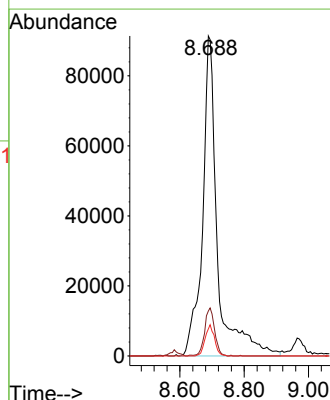
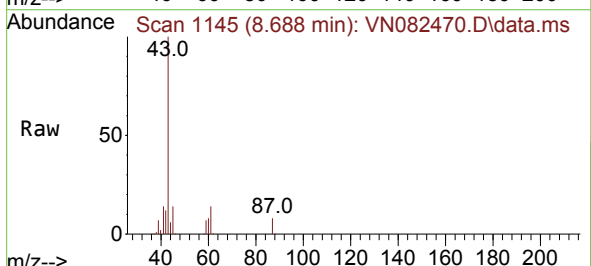
Tgt Ion: 43 Resp: 294177

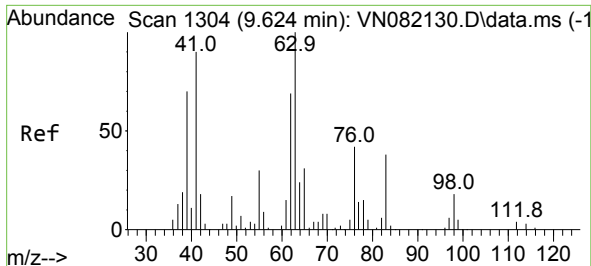
Ion Ratio Lower Upper

43 100

61 10.1 22.8 34.2#

87 6.1 12.0 18.0#





#45

1,2-Dichloropropane

Concen: 0.654 ug/l

RT: 9.741 min Scan# 11

Delta R.T. 0.117 min

Lab File: VN082470.D

Acq: 05 Jun 2024 15:01

Instrument :

MSVOA_N

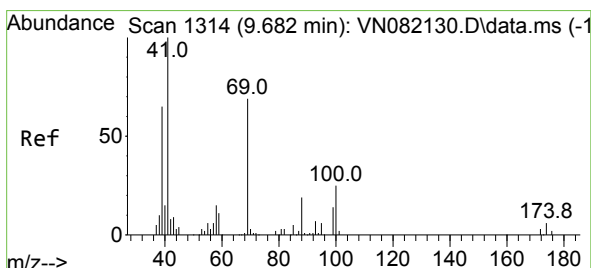
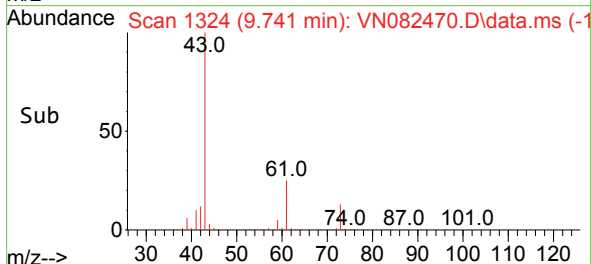
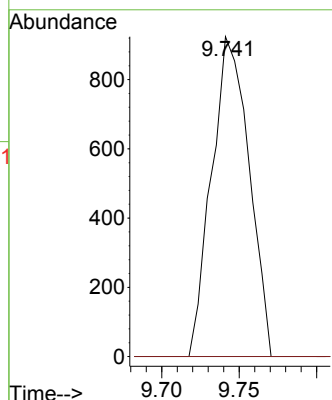
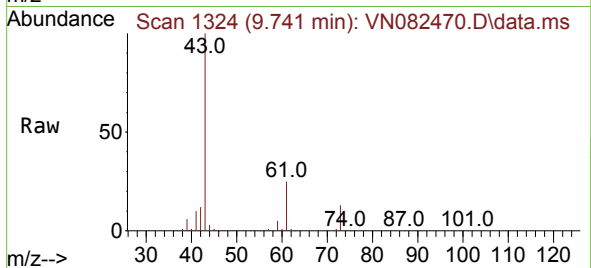
ClientSampleId :

Tgt Ion: 63 Resp: 1552

Ion Ratio Lower Upper

63 100

65 0.0 24.1 36.1#



#48

Methyl methacrylate

Concen: 1.840 ug/l

RT: 9.665 min Scan# 1311

Delta R.T. -0.018 min

Lab File: VN082470.D

Acq: 05 Jun 2024 15:01

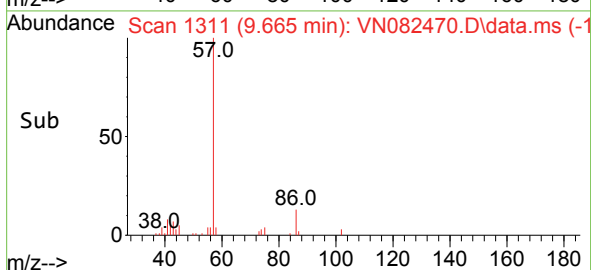
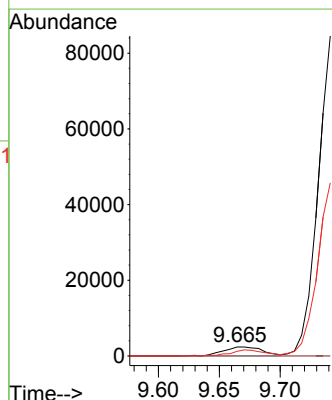
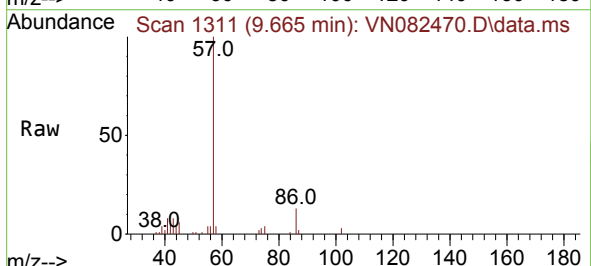
Tgt Ion: 41 Resp: 5364

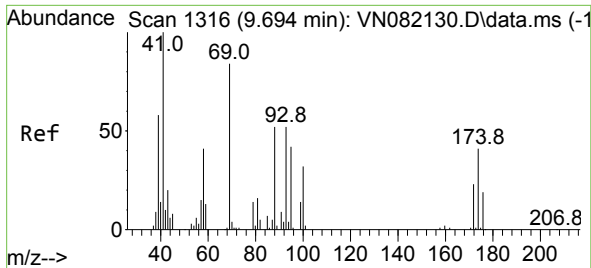
Ion Ratio Lower Upper

41 100

69 0.0 77.9 116.9#

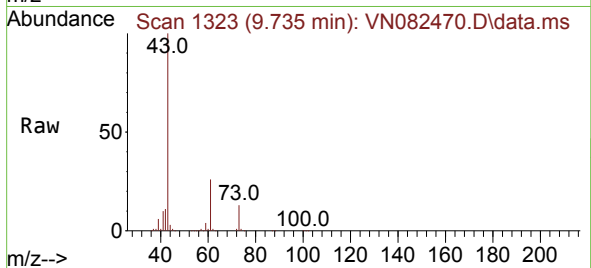
39 57.8 50.9 76.3



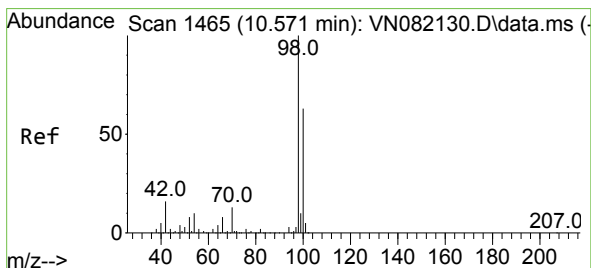
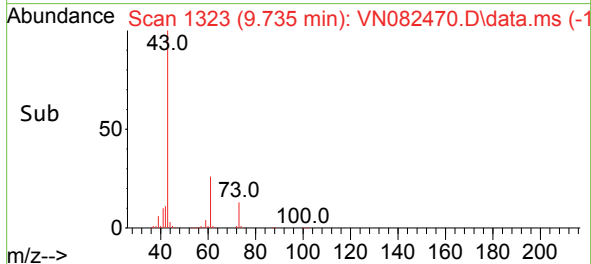
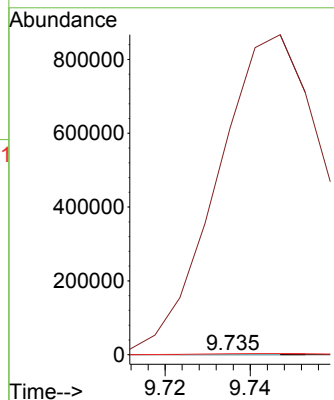


#49
1,4-Dioxane
Concen: 1.469 ug/l
RT: 9.735 min Scan# 11
Delta R.T. 0.041 min
Lab File: VN082470.D
Acq: 05 Jun 2024 15:01

Instrument :
MSVOA_N
ClientSampleId :

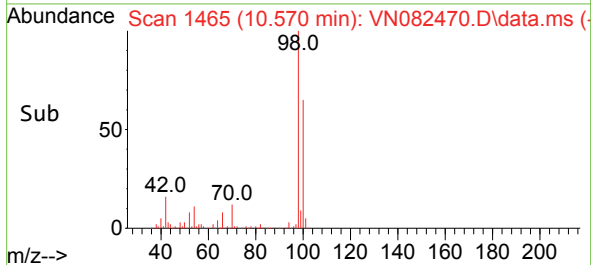
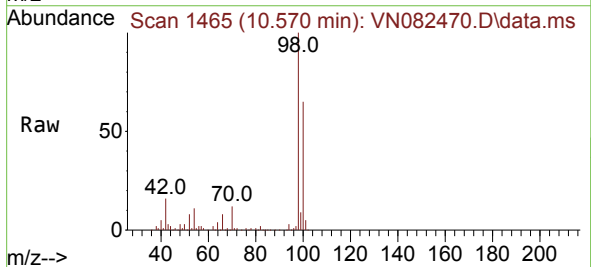
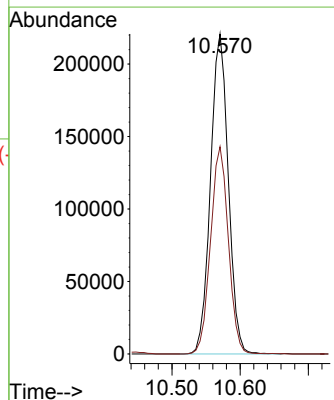


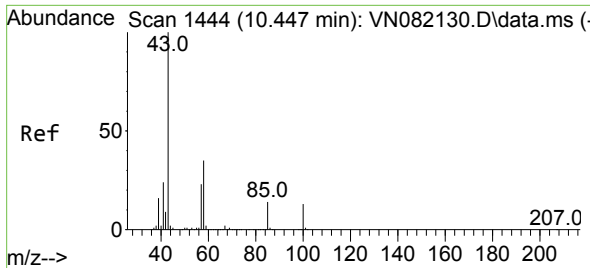
Tgt Ion: 88 Resp: 60
Ion Ratio Lower Upper
88 100
43 2630973.3 19.0 28.6#
58 10201.7 50.6 76.0#



#50
Toluene-d8
Concen: 56.935 ug/l
RT: 10.570 min Scan# 1465
Delta R.T. -0.000 min
Lab File: VN082470.D
Acq: 05 Jun 2024 15:01

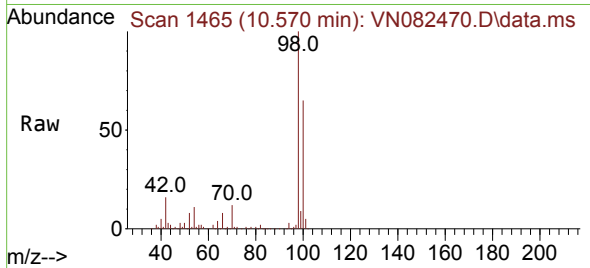
Tgt Ion: 98 Resp: 401541
Ion Ratio Lower Upper
98 100
100 64.7 51.8 77.6



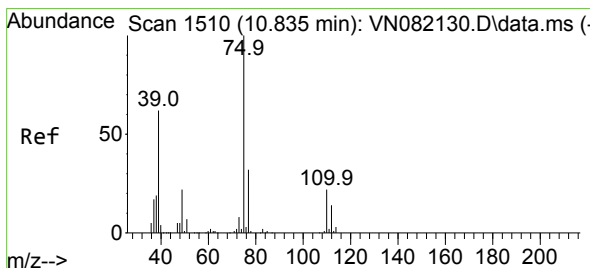
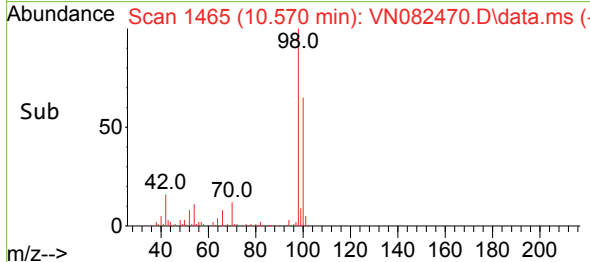
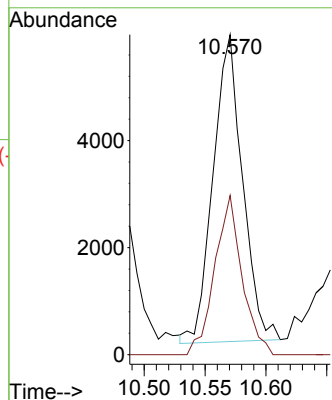


#51
4-Methyl-2-Pentanone
Concen: 2.770 ug/l
RT: 10.570 min Scan# 1444
Delta R.T. 0.123 min
Lab File: VN082470.D
Acq: 05 Jun 2024 15:01

Instrument :
MSVOA_N
ClientSampleId :

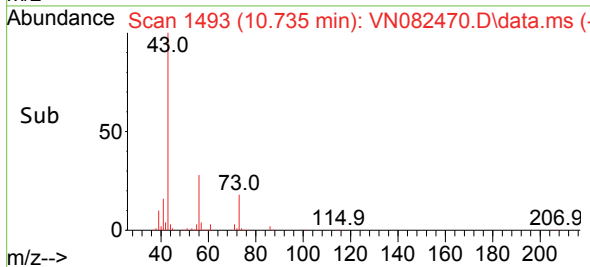
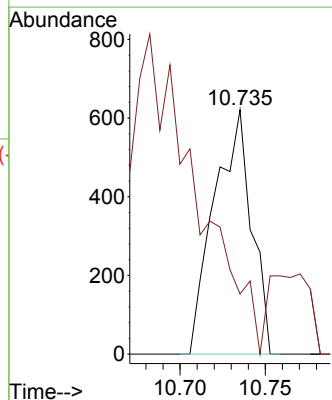
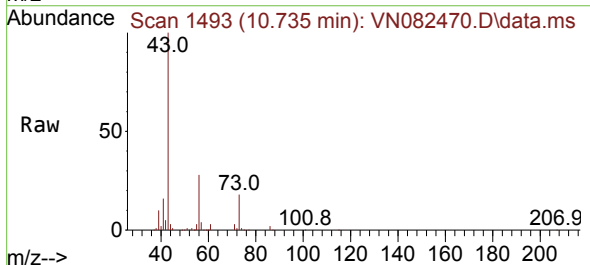


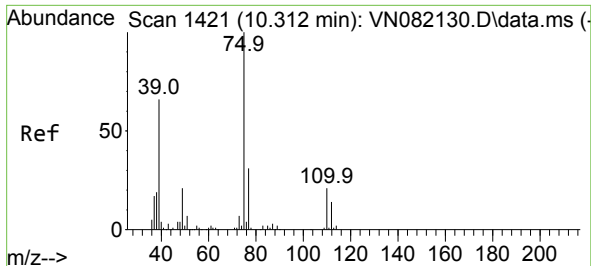
Tgt Ion: 43 Resp: 9629
Ion Ratio Lower Upper
43 100
58 48.2 33.2 49.8



#53
t-1,3-Dichloropropene
Concen: 0.277 ug/l
RT: 10.735 min Scan# 1493
Delta R.T. -0.100 min
Lab File: VN082470.D
Acq: 05 Jun 2024 15:01

Tgt Ion: 75 Resp: 944
Ion Ratio Lower Upper
75 100
77 0.0 25.4 38.0#

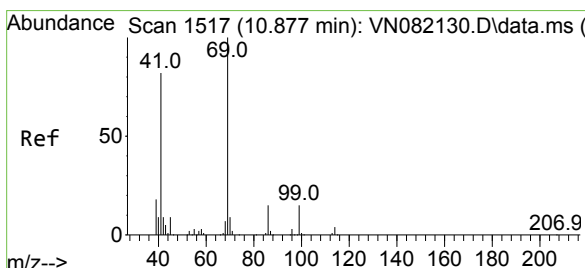
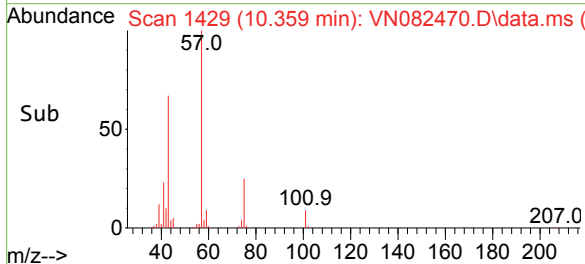
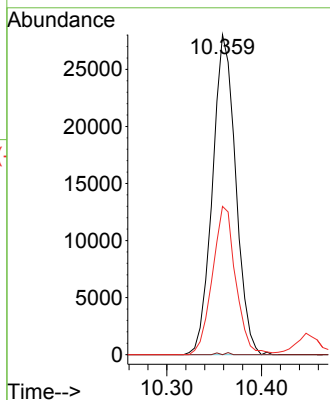
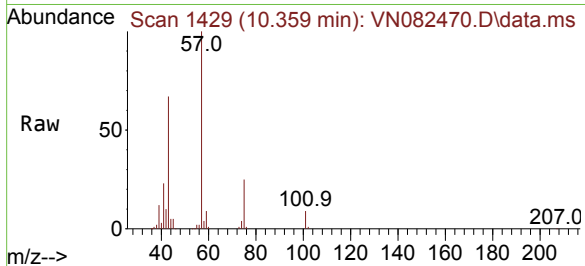




#54
 cis-1,3-Dichloropropene
 Concen: 13.263 ug/l
 RT: 10.359 min Scan# 1429
 Delta R.T. 0.047 min
 Lab File: VN082470.D
 Acq: 05 Jun 2024 15:01

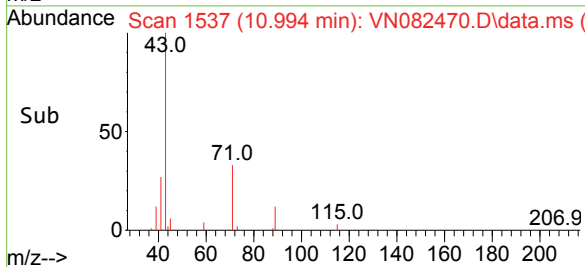
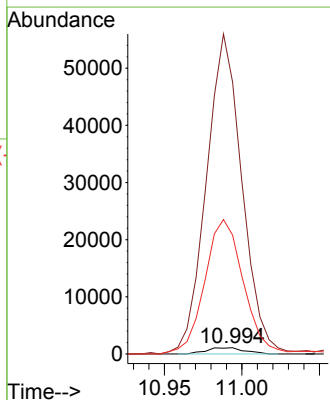
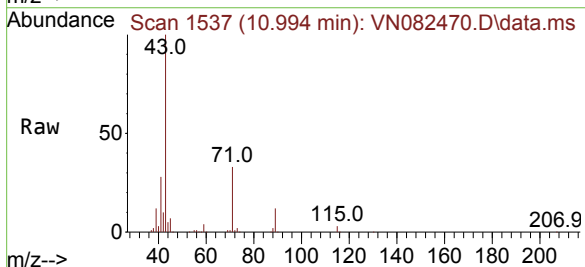
Instrument :
 MSVOA_N
 ClientSampleId :

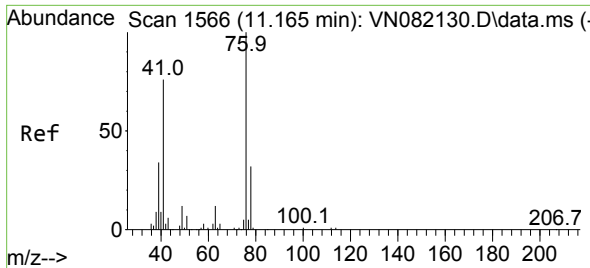
Tgt Ion: 75 Resp: 47767
 Ion Ratio Lower Upper
 75 100
 77 0.0 25.0 37.4#
 39 46.3 34.8 52.2



#56
 Ethyl methacrylate
 Concen: 0.537 ug/l
 RT: 10.994 min Scan# 1537
 Delta R.T. 0.117 min
 Lab File: VN082470.D
 Acq: 05 Jun 2024 15:01

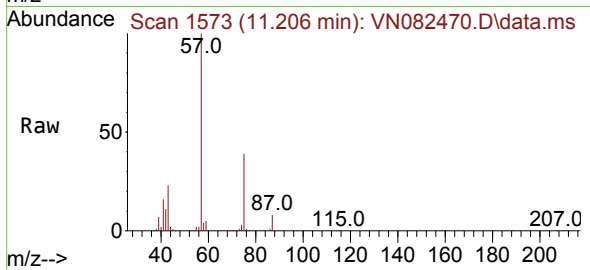
Tgt Ion: 69 Resp: 1829
 Ion Ratio Lower Upper
 69 100
 41 4900.4 46.6 70.0#
 39 2249.3 26.5 39.7#



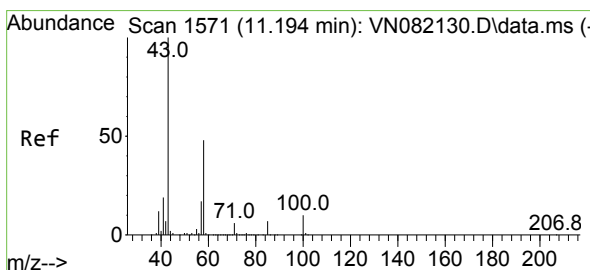
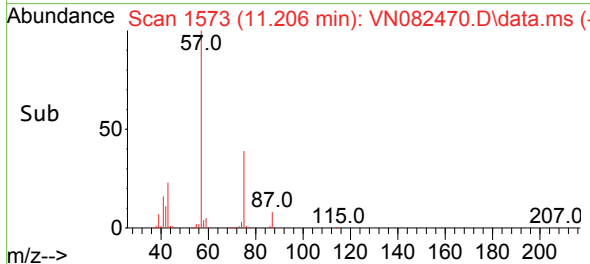
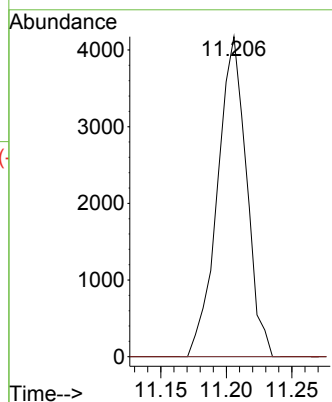


#57
1,3-Dichloropropane
Concen: 1.710 ug/l
RT: 11.206 min Scan# 1573
Delta R.T. 0.041 min
Lab File: VN082470.D
Acq: 05 Jun 2024 15:01

Instrument :
MSVOA_N
ClientSampleId :

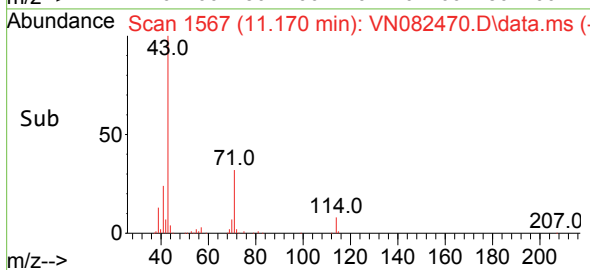
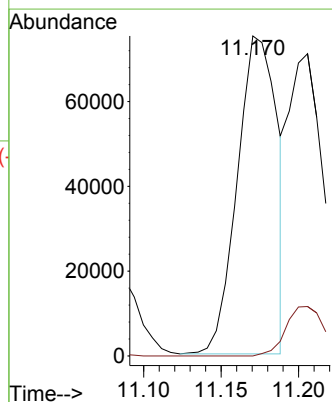
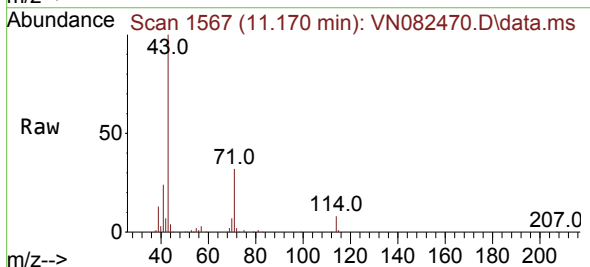


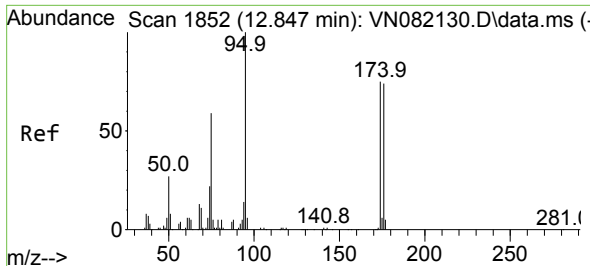
Tgt Ion: 76 Resp: 6414
Ion Ratio Lower Upper
76 100
78 0.0 25.8 38.6#



#59
2-Hexanone
Concen: 52.747 ug/l
RT: 11.170 min Scan# 1567
Delta R.T. -0.024 min
Lab File: VN082470.D
Acq: 05 Jun 2024 15:01

Tgt Ion: 43 Resp: 134248
Ion Ratio Lower Upper
43 100
58 0.0 28.3 84.9#

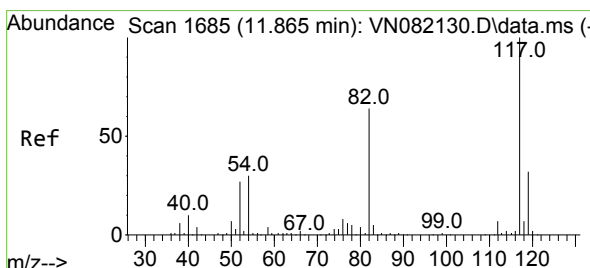
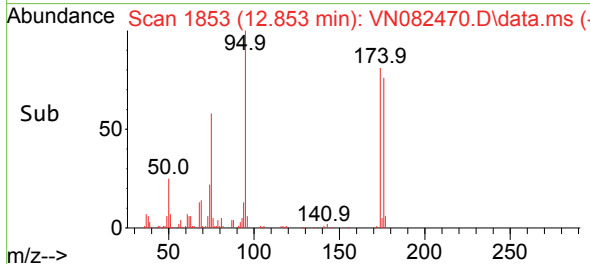
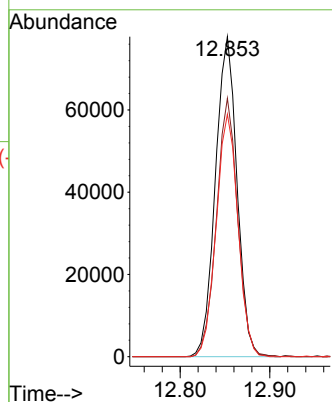
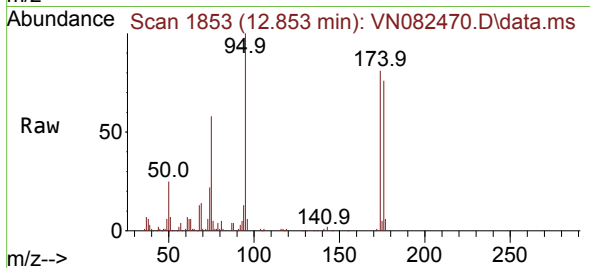




#62
4-Bromofluorobenzene
Concen: 51.649 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. 0.006 min
Lab File: VN082470.D
Acq: 05 Jun 2024 15:01

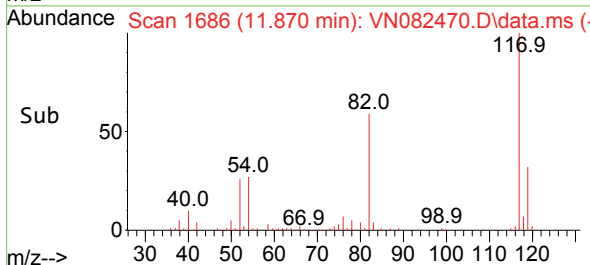
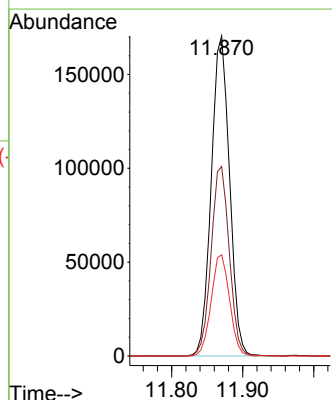
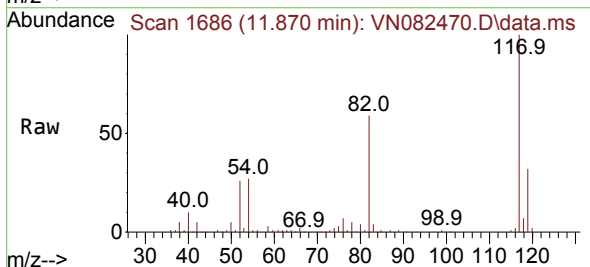
Instrument :
MSVOA_N
ClientSampleId :

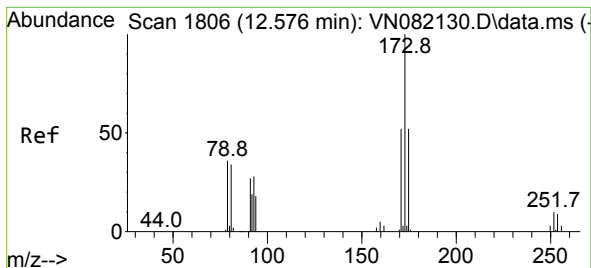
Tgt Ion: 95 Resp: 130013
Ion Ratio Lower Upper
95 100
174 79.3 0.0 160.6
176 76.2 0.0 152.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.870 min Scan# 1686
Delta R.T. 0.006 min
Lab File: VN082470.D
Acq: 05 Jun 2024 15:01

Tgt Ion: 117 Resp: 304559
Ion Ratio Lower Upper
117 100
82 59.2 44.6 66.8
119 31.6 25.9 38.9





#71

Bromoform

Concen: 1.049 ug/l

RT: 12.847 min Scan# 1806

Delta R.T. 0.271 min

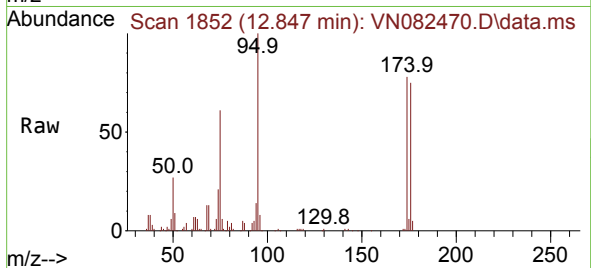
Lab File: VN082470.D

Acq: 05 Jun 2024 15:01

Instrument :

MSVOA_N

ClientSampleId :



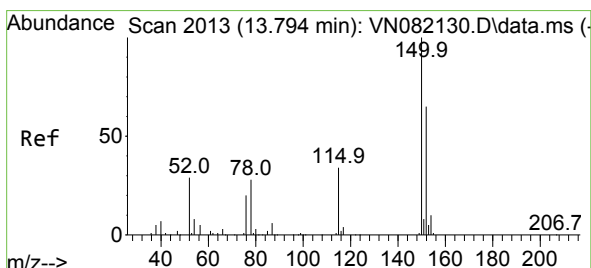
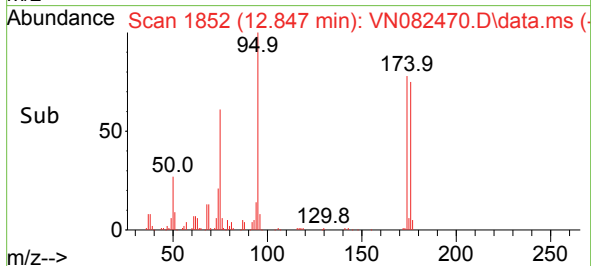
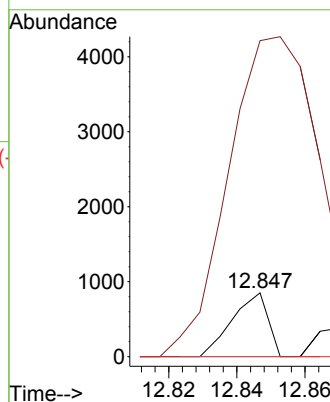
Tgt Ion:173 Resp: 622

Ion Ratio Lower Upper

173 100

175 0.0 24.6 74.0#

254 0.0 0.0 0.0



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.794 min Scan# 2013

Delta R.T. -0.000 min

Lab File: VN082470.D

Acq: 05 Jun 2024 15:01

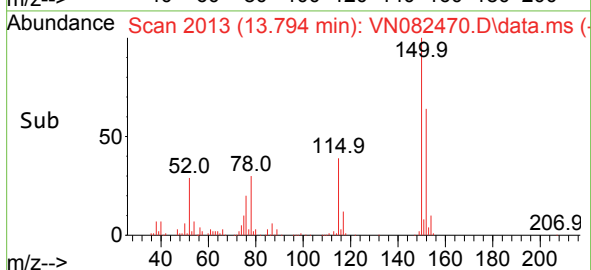
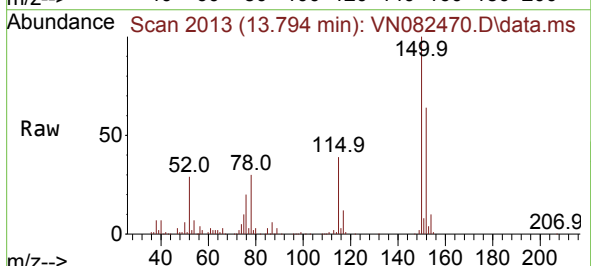
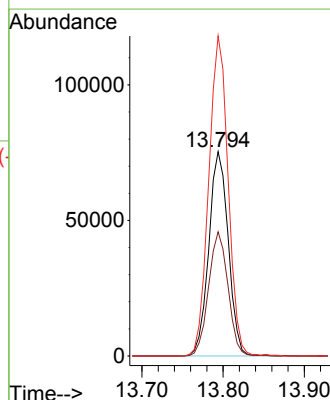
Tgt Ion:152 Resp: 125329

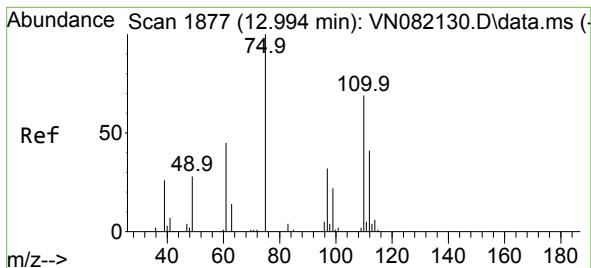
Ion Ratio Lower Upper

152 100

115 60.6 30.4 91.3

150 156.1 0.0 353.2





#76

1,2,3-Trichloropropane

Concen: 29.153 ug/l

RT: 12.853 min Scan# 1853

Delta R.T. -0.141 min

Lab File: VN082470.D

Acq: 05 Jun 2024 15:01

Instrument :

MSVOA_N

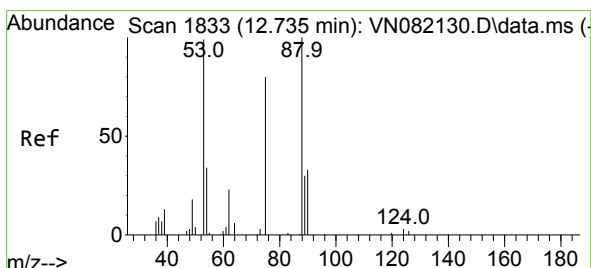
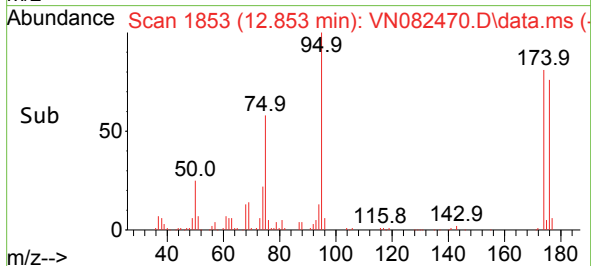
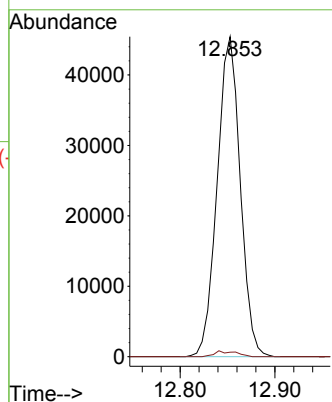
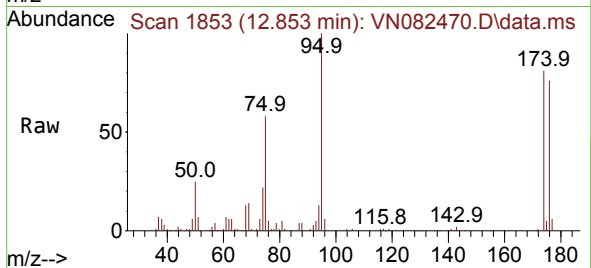
ClientSampleId :

Tgt Ion: 75 Resp: 76903

Ion Ratio Lower Upper

75 100

77 1.7 90.5 271.3#



#81

trans-1,4-Dichloro-2-butene

Concen: 68.189 ug/l

RT: 12.853 min Scan# 1853

Delta R.T. 0.117 min

Lab File: VN082470.D

Acq: 05 Jun 2024 15:01

Tgt Ion: 75 Resp: 76903

Ion Ratio Lower Upper

75 100

53 0.0 72.9 109.3#

89 0.0 39.1 58.7#

