

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN060524\
 Data File : VN082472.D
 Acq On : 05 Jun 2024 15:49
 Operator : JC\MD
 Sample : P2704-12
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Jun 06 00:58:15 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N051524W.M
 Quant Title : SW846 8260
 QLast Update : Thu May 16 05:21:06 2024
 Response via : Initial Calibration

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

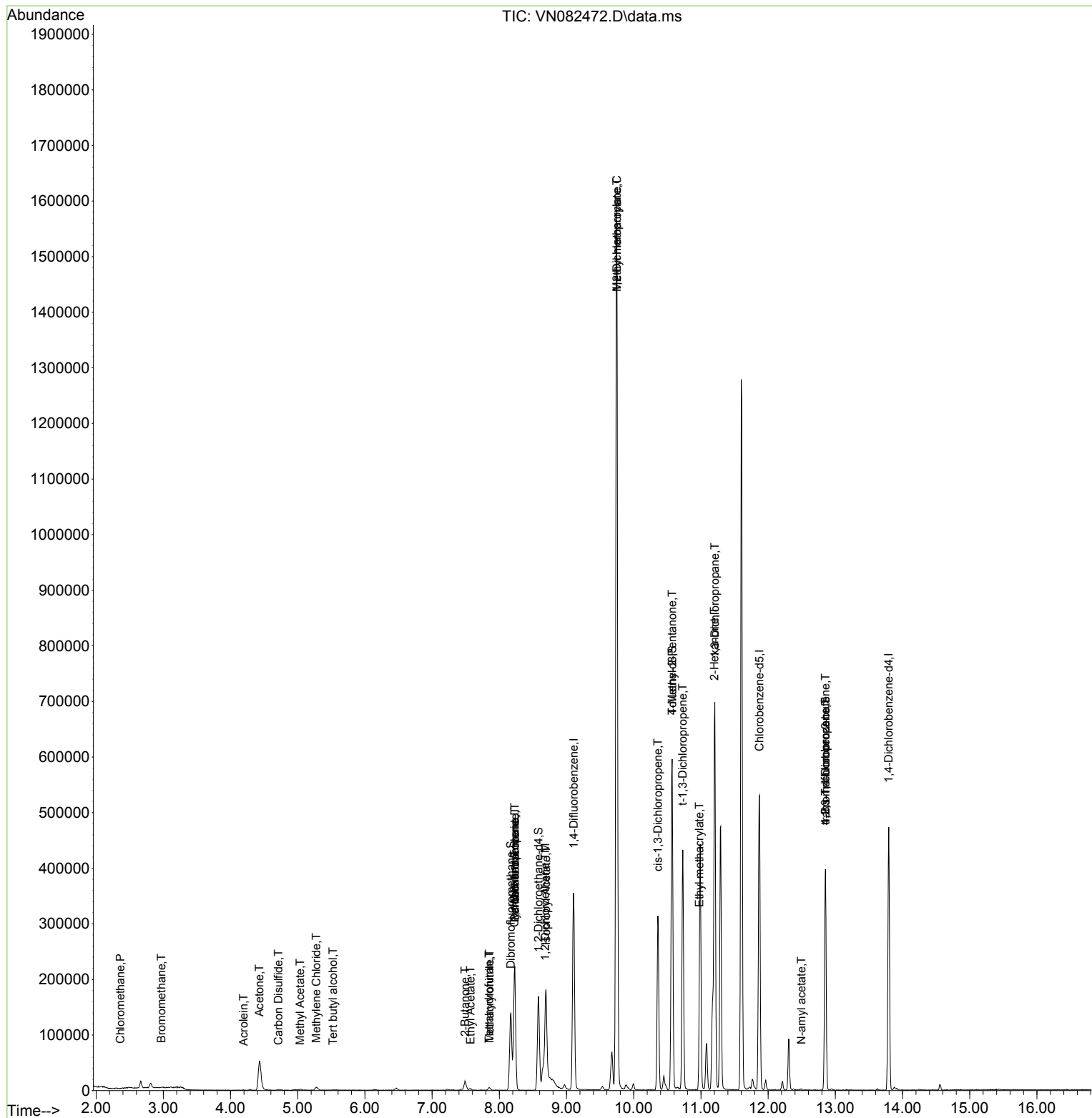
Internal Standards						
1) Pentafluorobenzene	8.230	168	148142	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	282328	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.871	117	282550	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	115368	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.583	65	134686	57.578	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	= 115.160%	
35) Dibromofluoromethane	8.171	113	96401	55.506	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 111.020%	
50) Toluene-d8	10.571	98	376804	56.589	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	= 113.180%#	
62) 4-Bromofluorobenzene	12.853	95	125711	52.895	ug/l	0.00
Spiked Amount	50.000	Range	64 - 133	Recovery	= 105.800%	
Target Compounds						
					Qvalue	
3) Chloromethane	2.360	50	518	0.214	ug/l #	43
5) Bromomethane	2.971	94	366	0.280	ug/l #	73
11) Tert butyl alcohol	5.524	59	738	1.965	ug/l #	71
13) Acrolein	4.195	56	407	1.463	ug/l #	75
16) Acetone	4.430	43	103529	107.890	ug/l	92
17) Carbon Disulfide	4.712	76	1567	0.300	ug/l #	74
18) Methyl Acetate	5.036	43	3957	1.656	ug/l #	60
20) Methylene Chloride	5.277	84	3757	1.941	ug/l #	66
25) 2-Butanone	7.489	43	24850	17.080	ug/l #	80
29) Tetrahydrofuran	7.847	42	3394	3.633	ug/l #	80
31) Cyclohexane	8.224	56	4152	1.111	ug/l #	29
36) 1,1-Dichloropropene	8.230	75	14176	4.867	ug/l #	48
37) Ethyl Acetate	7.571	43	5385	1.652	ug/l #	83
38) Carbon Tetrachloride	8.230	117	16337	5.533	ug/l #	17
41) Methacrylonitrile	7.853	41	2065	1.077	ug/l #	44
42) 1,2-Dichloroethane	8.683	62	1109	0.332	ug/l #	73
43) Isopropyl Acetate	8.694	43	263265	45.578	ug/l #	72
45) 1,2-Dichloropropane	9.747	63	1810	0.808	ug/l #	45
48) Methyl methacrylate	9.747	41	163192	59.293	ug/l #	37
51) 4-Methyl-2-Pentanone	10.571	43	9388	2.861	ug/l	93
53) t-1,3-Dichloropropene	10.730	75	1010	0.314	ug/l #	54
54) cis-1,3-Dichloropropene	10.359	75	49024	14.417	ug/l #	75
56) Ethyl methacrylate	10.977	69	1899	0.590	ug/l #	1
57) 1,3-Dichloropropane	11.206	76	6735	1.902	ug/l #	42
59) 2-Hexanone	11.200	43	106037	44.128	ug/l #	48
74) N-amyl acetate	12.494	43	1795	0.356	ug/l #	39
76) 1,2,3-Trichloropropane	12.853	75	74032	30.488	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.853	75	74032	71.311	ug/l #	12

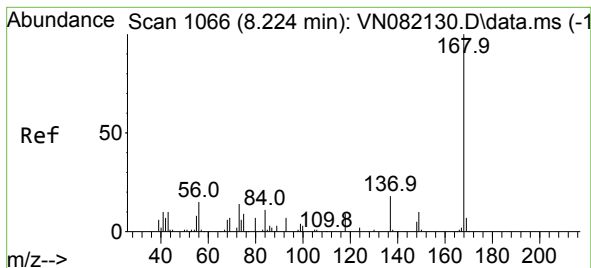
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 8.230 min Scan# 1

Delta R.T. 0.006 min

Lab File: VN082472.D

Acq: 05 Jun 2024 15:49

Instrument :

MSVOA_N

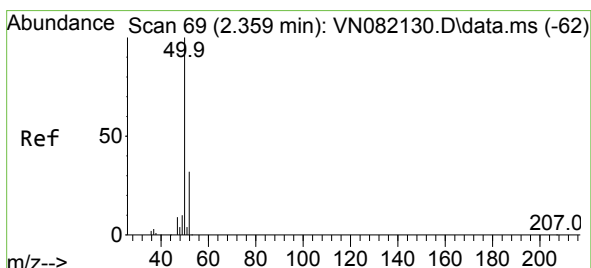
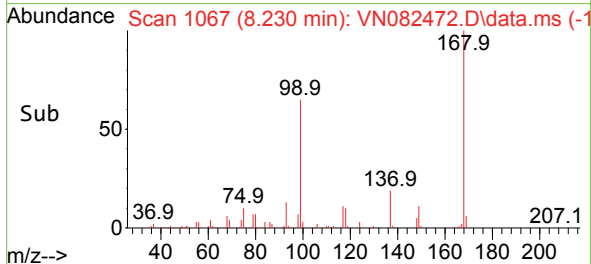
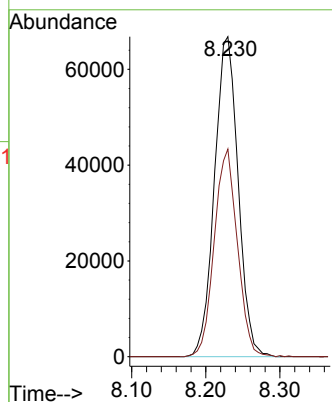
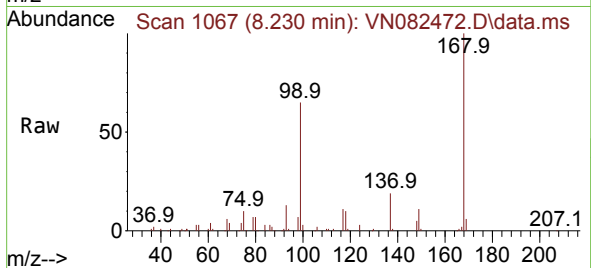
ClientSampleId :

Tgt Ion:168 Resp: 148142

Ion Ratio Lower Upper

168 100

99 64.9 48.2 72.4



#3

Chloromethane

Concen: 0.214 ug/l

RT: 2.360 min Scan# 69

Delta R.T. 0.000 min

Lab File: VN082472.D

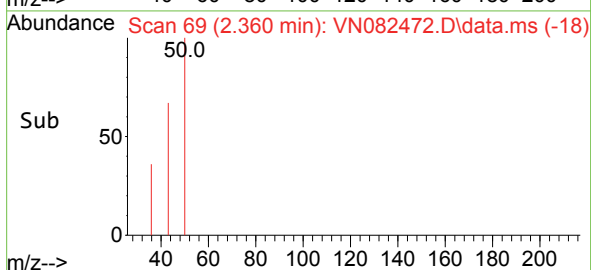
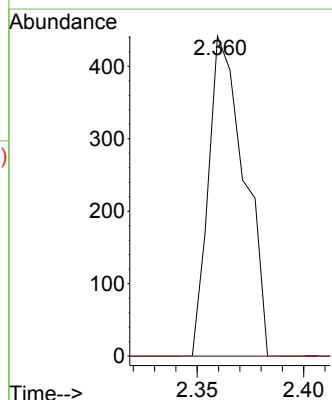
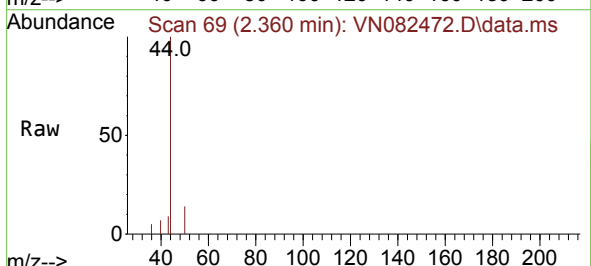
Acq: 05 Jun 2024 15:49

Tgt Ion: 50 Resp: 518

Ion Ratio Lower Upper

50 100

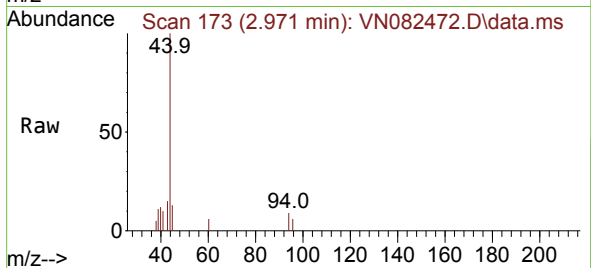
52 0.0 25.5 38.3#



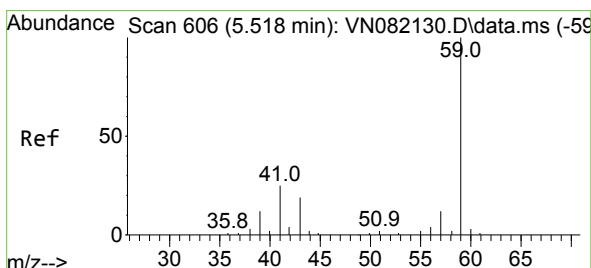
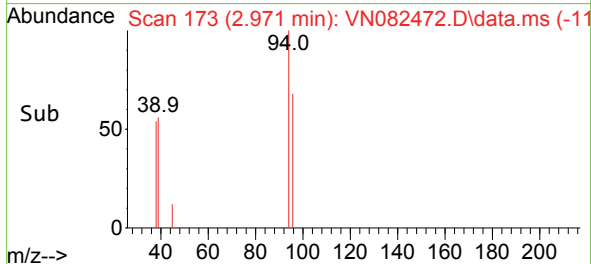
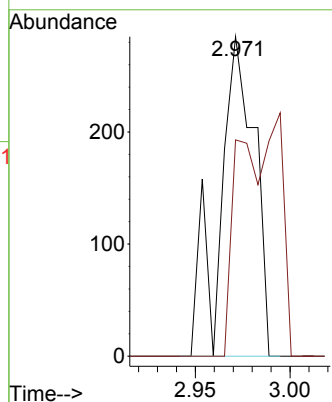


#5
Bromomethane
Concen: 0.280 ug/l
RT: 2.971 min Scan# 11
Delta R.T. 0.018 min
Lab File: VN082472.D
Acq: 05 Jun 2024 15:49

Instrument :
MSVOA_N
ClientSampleId :

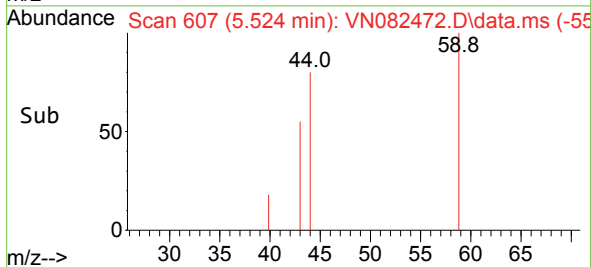
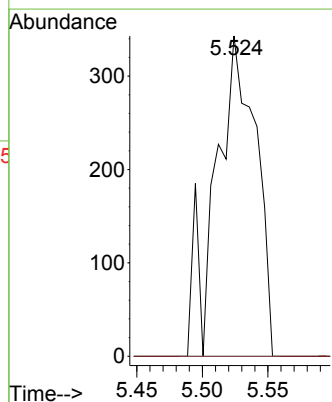
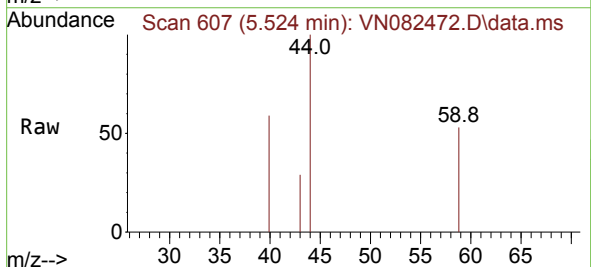


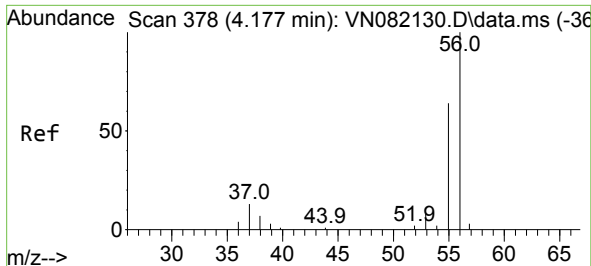
Tgt Ion: 94 Resp: 366
Ion Ratio Lower Upper
94 100
96 67.7 74.8 112.2#



#11
Tert butyl alcohol
Concen: 1.965 ug/l
RT: 5.524 min Scan# 607
Delta R.T. 0.006 min
Lab File: VN082472.D
Acq: 05 Jun 2024 15:49

Tgt Ion: 59 Resp: 738
Ion Ratio Lower Upper
59 100
57 0.0 8.9 13.3#

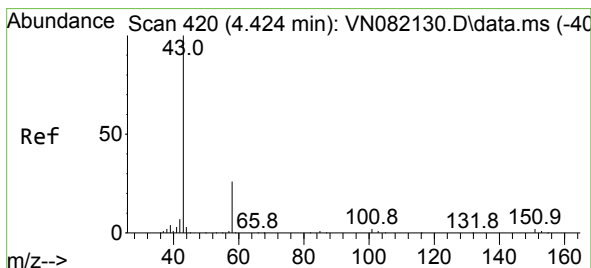
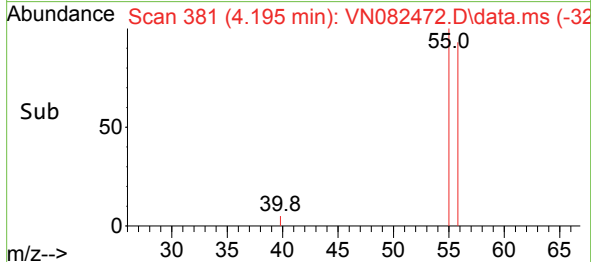
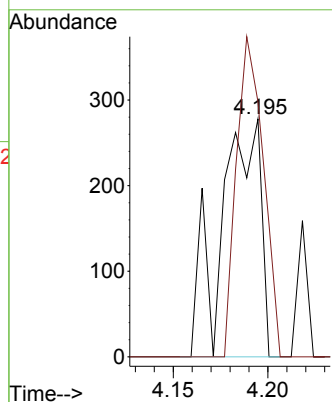
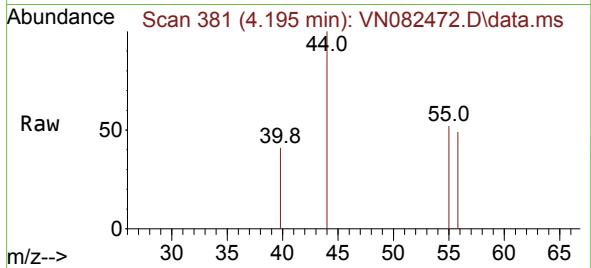




#13
Acrolein
Concen: 1.463 ug/l
RT: 4.195 min Scan# 381
Delta R.T. 0.018 min
Lab File: VN082472.D
Acq: 05 Jun 2024 15:49

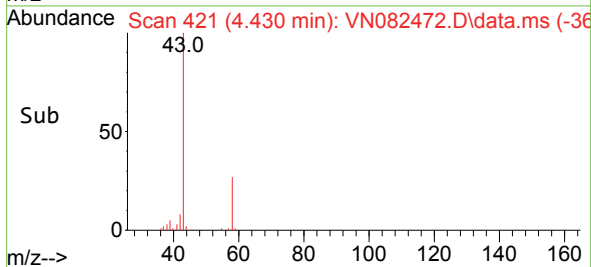
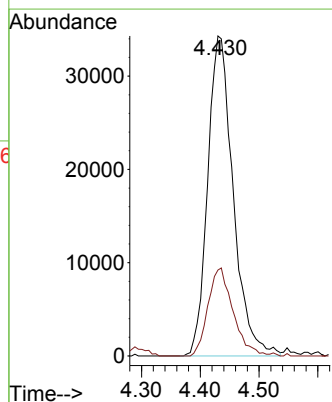
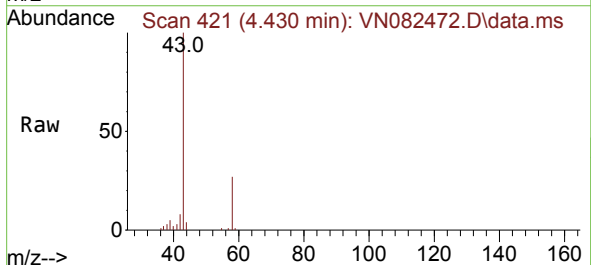
Instrument :
MSVOA_N
ClientSampleId :

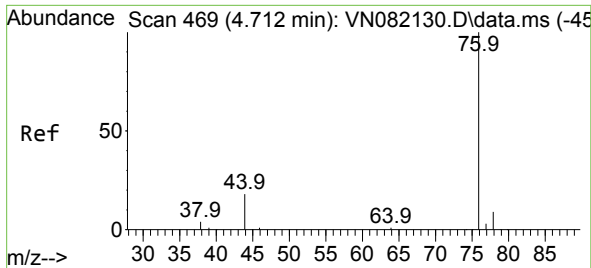
Tgt Ion: 56 Resp: 407
Ion Ratio Lower Upper
56 100
55 90.7 55.8 83.8#



#16
Acetone
Concen: 107.890 ug/l
RT: 4.430 min Scan# 421
Delta R.T. 0.006 min
Lab File: VN082472.D
Acq: 05 Jun 2024 15:49

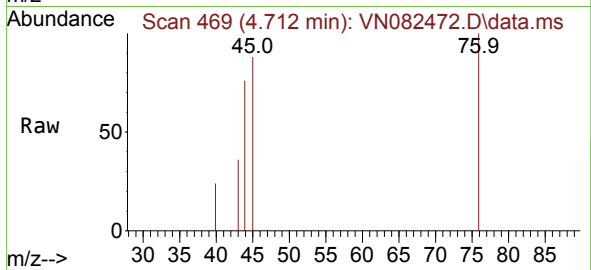
Tgt Ion: 43 Resp: 103529
Ion Ratio Lower Upper
43 100
58 26.8 25.2 37.8



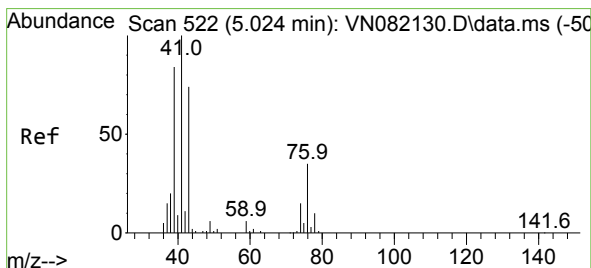
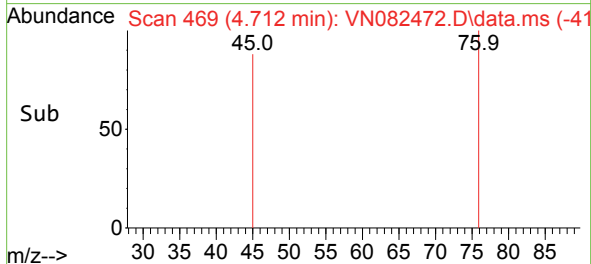
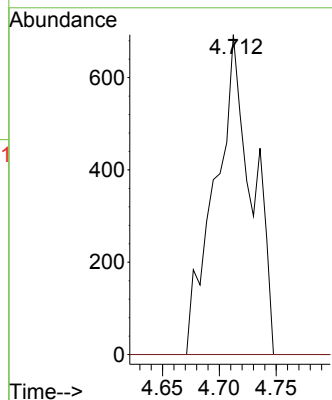


#17
Carbon Disulfide
Concen: 0.300 ug/l
RT: 4.712 min Scan# 41
Delta R.T. 0.000 min
Lab File: VN082472.D
Acq: 05 Jun 2024 15:49

Instrument :
MSVOA_N
ClientSampleId :

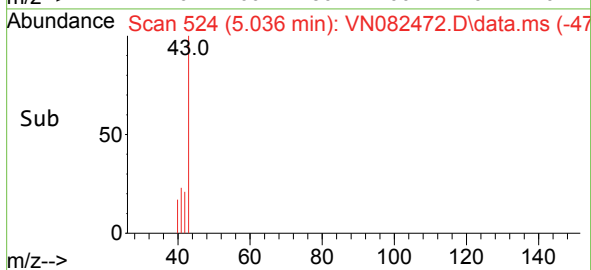
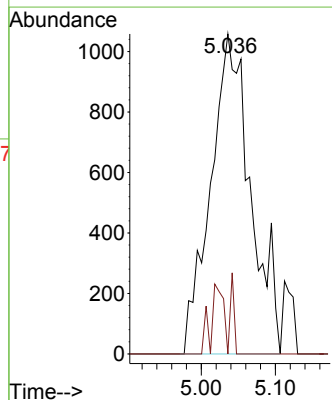
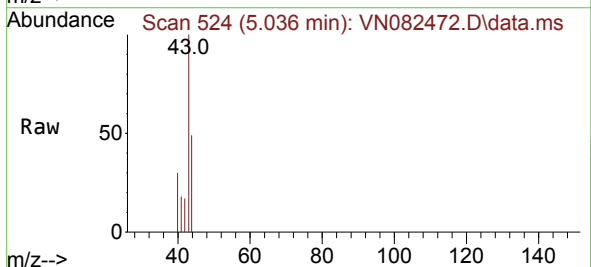


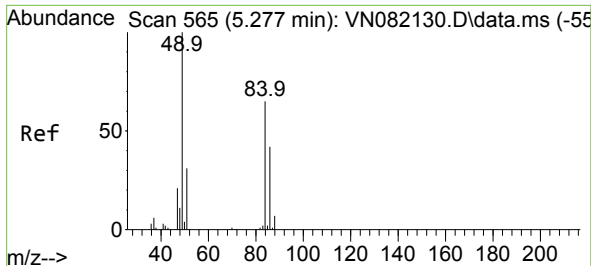
Tgt Ion: 76 Resp: 1567
Ion Ratio Lower Upper
76 100
78 0.0 7.5 11.3#



#18
Methyl Acetate
Concen: 1.656 ug/l
RT: 5.036 min Scan# 524
Delta R.T. 0.012 min
Lab File: VN082472.D
Acq: 05 Jun 2024 15:49

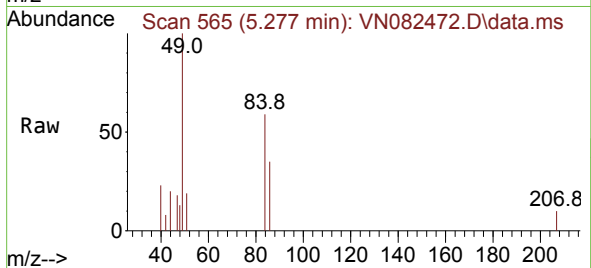
Tgt Ion: 43 Resp: 3957
Ion Ratio Lower Upper
43 100
74 6.9 22.2 33.2#



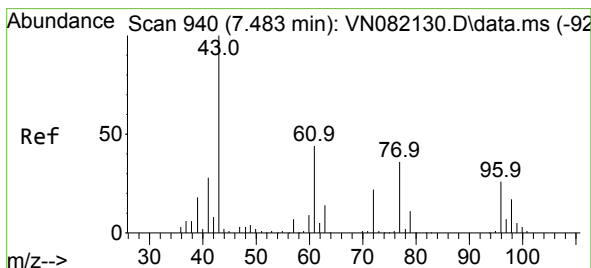
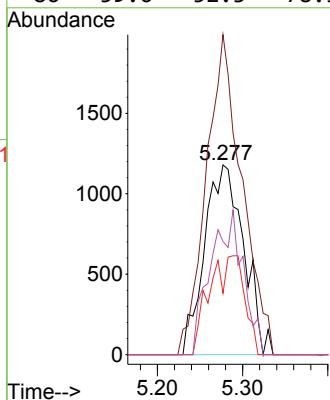
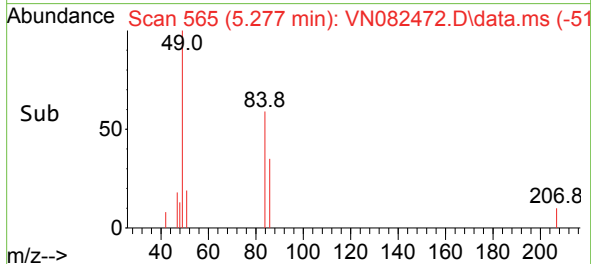


#20
Methylene Chloride
Concen: 1.941 ug/l
RT: 5.277 min Scan# 51
Delta R.T. 0.000 min
Lab File: VN082472.D
Acq: 05 Jun 2024 15:49

Instrument :
MSVOA_N
ClientSampleId :

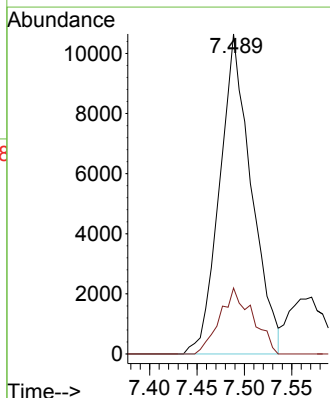
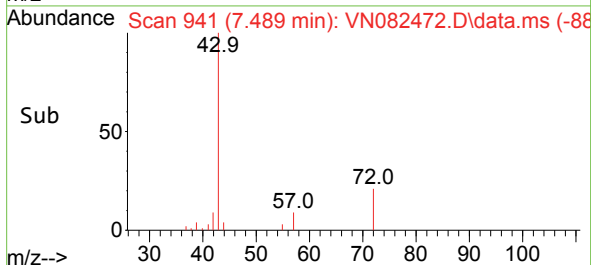
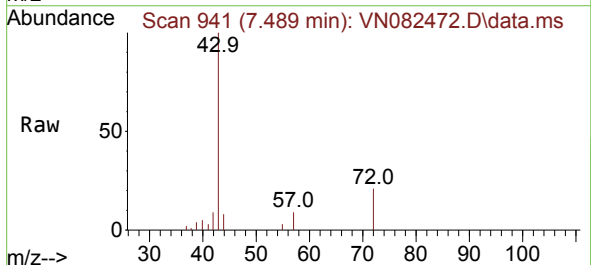


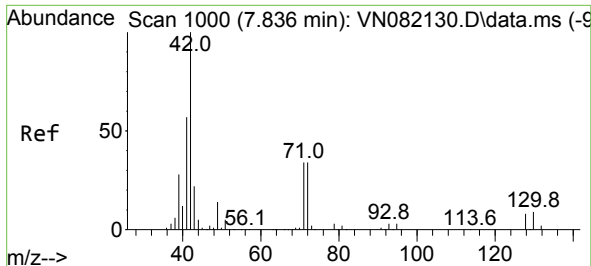
Tgt Ion: 84 Resp: 3757
Ion Ratio Lower Upper
84 100
49 168.7 84.9 127.3#
51 32.4 27.0 40.6
86 59.6 52.3 78.5



#25
2-Butanone
Concen: 17.080 ug/l
RT: 7.489 min Scan# 941
Delta R.T. 0.006 min
Lab File: VN082472.D
Acq: 05 Jun 2024 15:49

Tgt Ion: 43 Resp: 24850
Ion Ratio Lower Upper
43 100
72 20.6 25.3 37.9#





#29

Tetrahydrofuran

Concen: 3.633 ug/l

RT: 7.847 min Scan# 1066

Delta R.T. 0.011 min

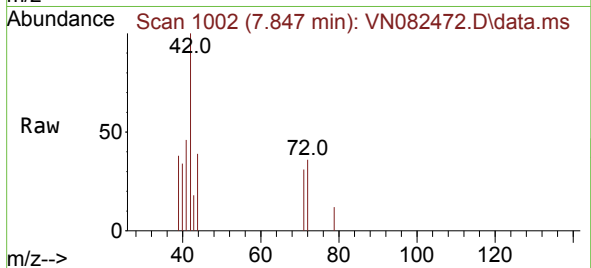
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Acq: 05 Jun 2024 15:49

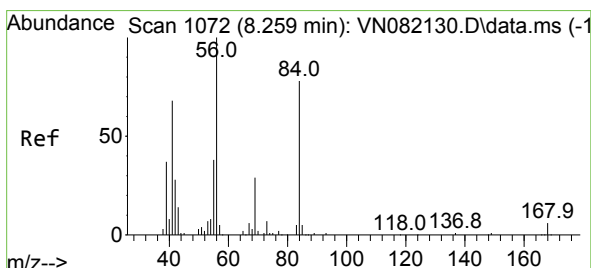
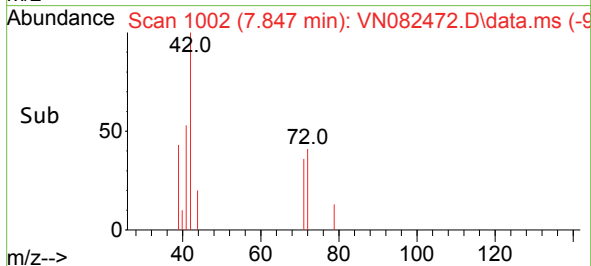
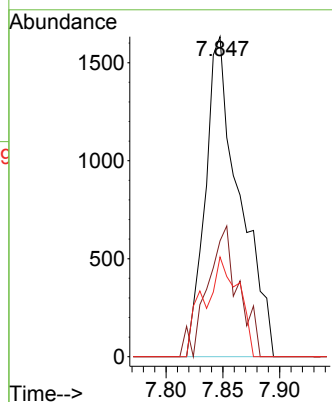
Instrument :

MSVOA_N

ClientSampleId :



Tgt Ion:	42	Resp:	3394
Ion	Ratio	Lower	Upper
42	100		
72	37.3	39.3	58.9#
71	31.6	37.4	56.0#



#31

Cyclohexane

Concen: 1.111 ug/l

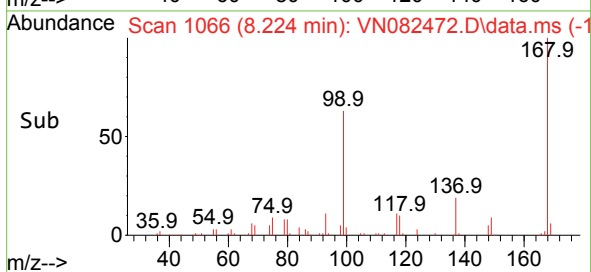
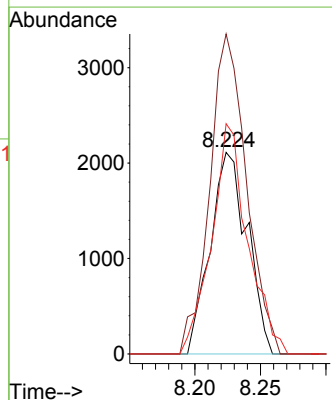
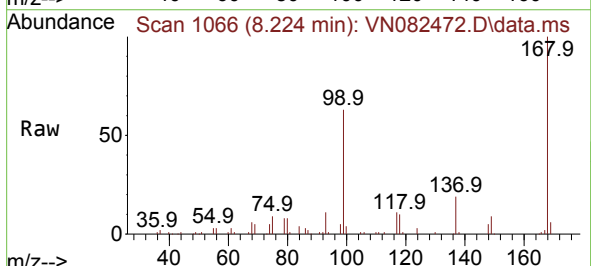
RT: 8.224 min Scan# 1066

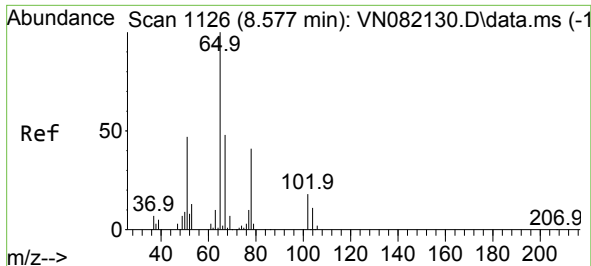
Delta R.T. -0.035 min

Lab File: VN082472.D

Acq: 05 Jun 2024 15:49

Tgt Ion:	56	Resp:	4152
Ion	Ratio	Lower	Upper
56	100		
69	158.7	24.4	36.6#
84	114.2	77.0	115.4





#33

1,2-Dichloroethane-d4

Concen: 57.578 ug/l

RT: 8.583 min Scan# 1127

Delta R.T. 0.006 min

Lab File: VN082472.D

Acq: 05 Jun 2024 15:49

Instrument :

MSVOA_N

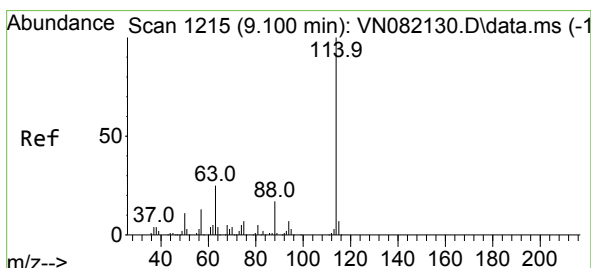
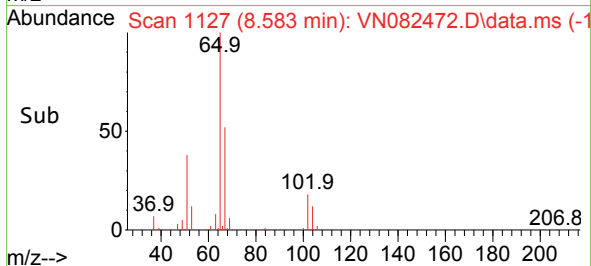
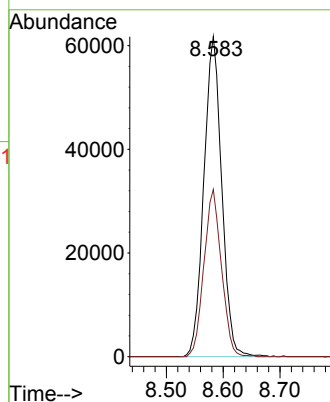
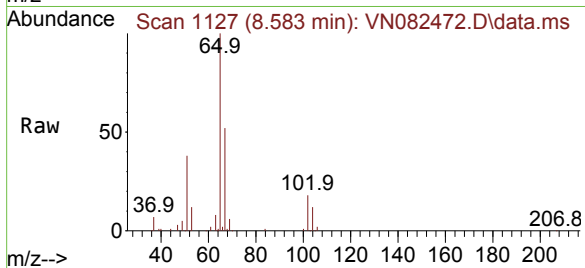
ClientSampleId :

Tgt Ion: 65 Resp: 134686

Ion Ratio Lower Upper

65 100

67 51.1 0.0 103.0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.106 min Scan# 1216

Delta R.T. 0.006 min

Lab File: VN082472.D

Acq: 05 Jun 2024 15:49

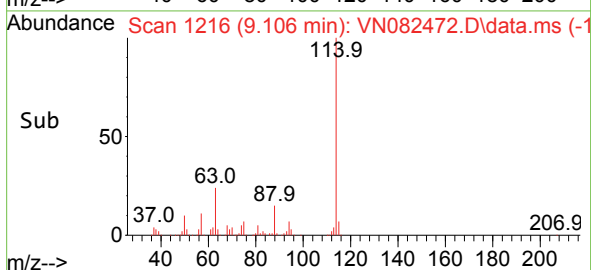
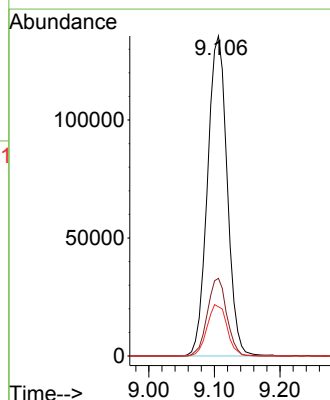
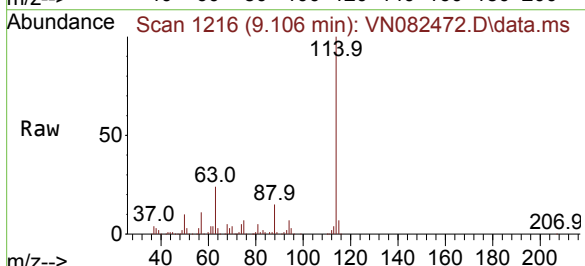
Tgt Ion: 114 Resp: 282328

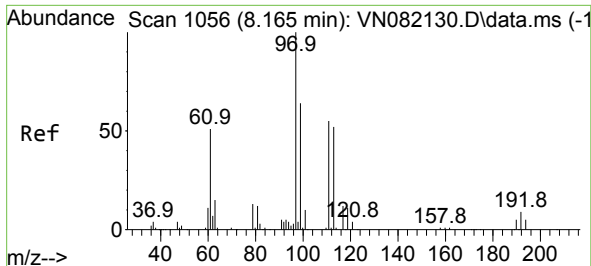
Ion Ratio Lower Upper

114 100

63 24.3 0.0 41.0

88 15.4 0.0 31.4

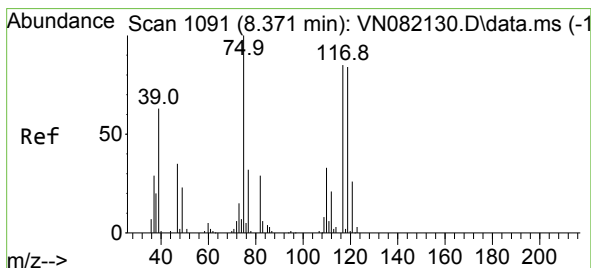
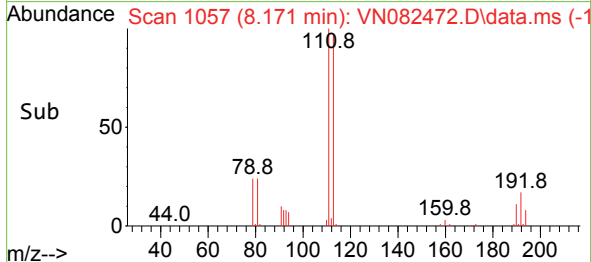
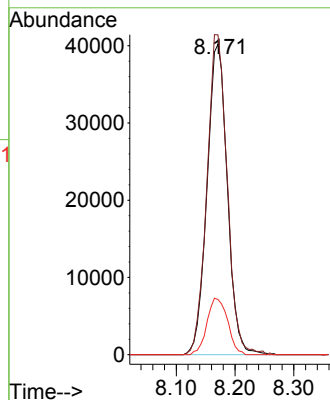
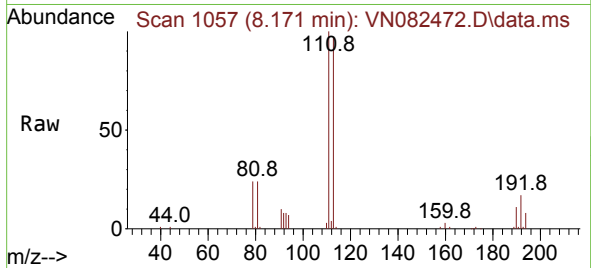




#35
Dibromofluoromethane
Concen: 55.506 ug/l
RT: 8.171 min Scan# 1056
Delta R.T. 0.006 min
Lab File: VN082472.D
Acq: 05 Jun 2024 15:49

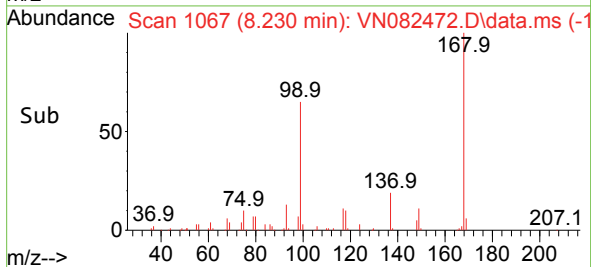
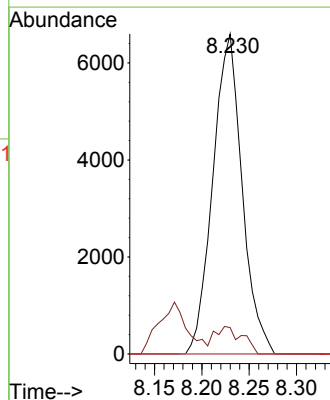
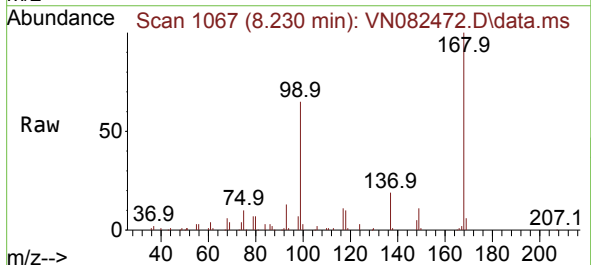
Instrument :
MSVOA_N
ClientSampleId :

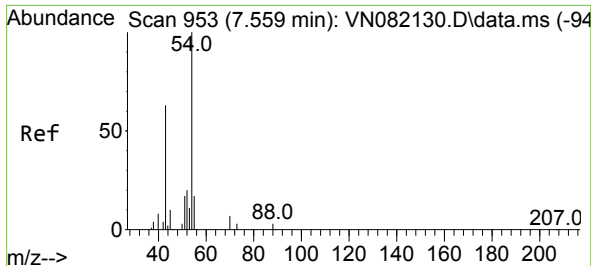
Tgt Ion:113 Resp: 96401
Ion Ratio Lower Upper
113 100
111 103.1 83.4 125.2
192 18.5 14.0 21.0



#36
1,1-Dichloropropene
Concen: 4.867 ug/l
RT: 8.230 min Scan# 1067
Delta R.T. -0.141 min
Lab File: VN082472.D
Acq: 05 Jun 2024 15:49

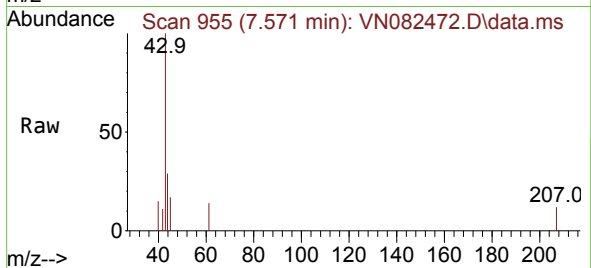
Tgt Ion: 75 Resp: 14176
Ion Ratio Lower Upper
75 100
110 8.0 17.8 53.5#
77 0.0 25.0 37.4#



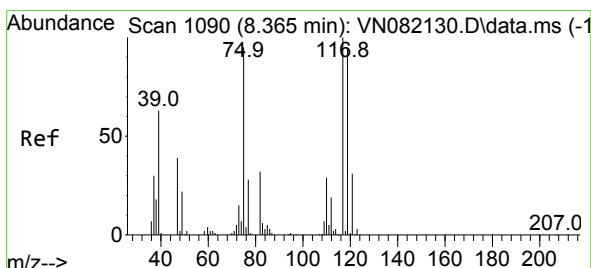
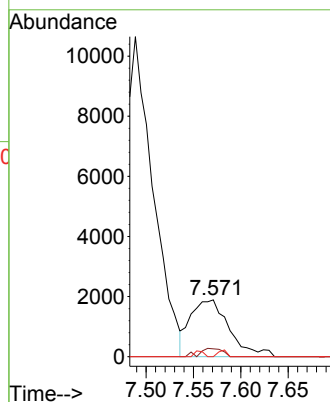
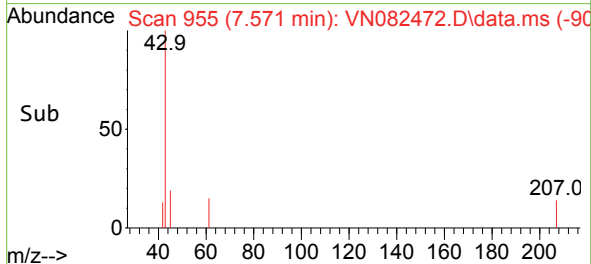


#37
Ethyl Acetate
Concen: 1.652 ug/l
RT: 7.571 min Scan# 91
Delta R.T. 0.012 min
Lab File: VN082472.D
Acq: 05 Jun 2024 15:49

Instrument :
MSVOA_N
ClientSampleId :

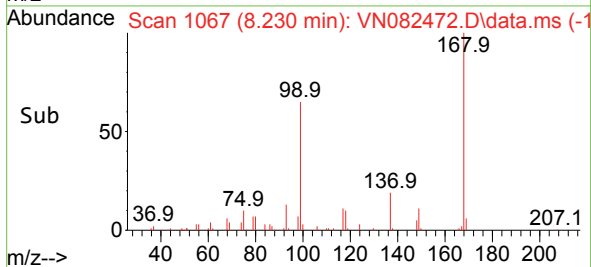
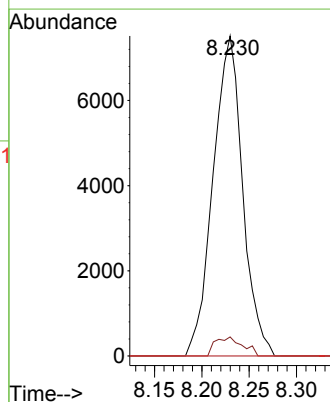
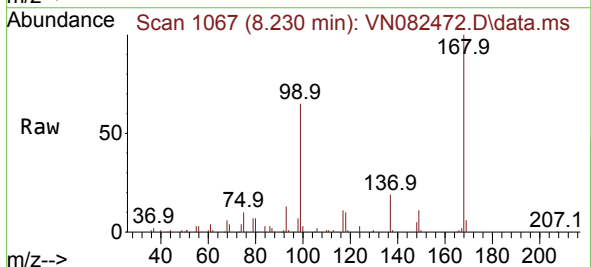


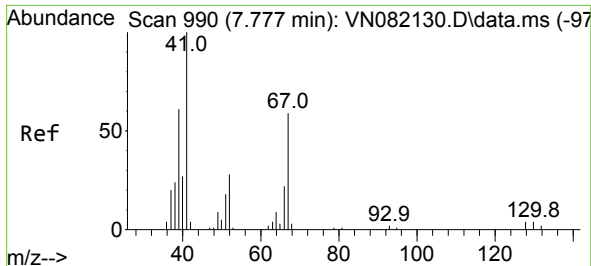
Tgt Ion: 43 Resp: 5385
Ion Ratio Lower Upper
43 100
61 8.5 11.3 16.9#
70 2.5 8.7 13.1#



#38
Carbon Tetrachloride
Concen: 5.533 ug/l
RT: 8.230 min Scan# 1067
Delta R.T. -0.135 min
Lab File: VN082472.D
Acq: 05 Jun 2024 15:49

Tgt Ion: 117 Resp: 16337
Ion Ratio Lower Upper
117 100
119 5.9 76.5 114.7#
121 0.0 23.9 35.9#

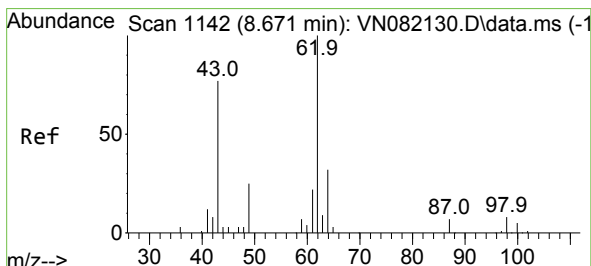
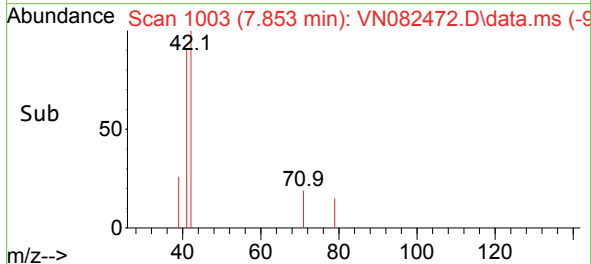
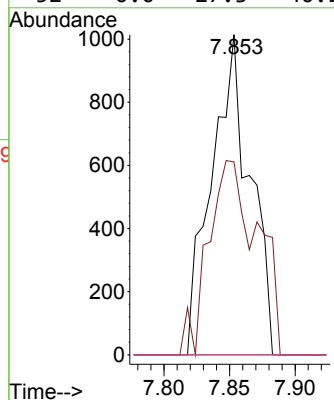
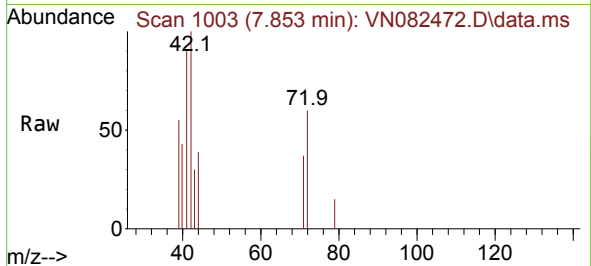




#41
Methacrylonitrile
Concen: 1.077 ug/l
RT: 7.853 min Scan# 1003
Delta R.T. 0.077 min
Lab File: VN082472.D
Acq: 05 Jun 2024 15:49

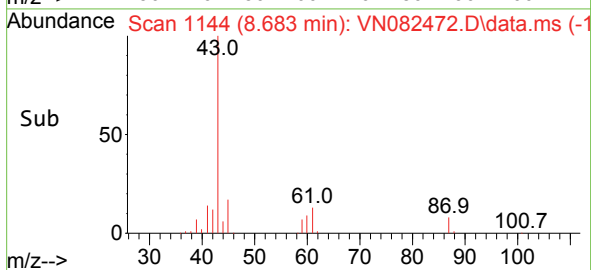
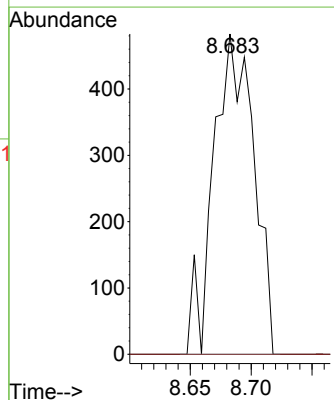
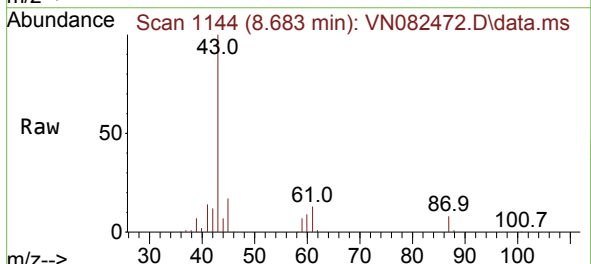
Instrument :
MSVOA_N
ClientSampleId :

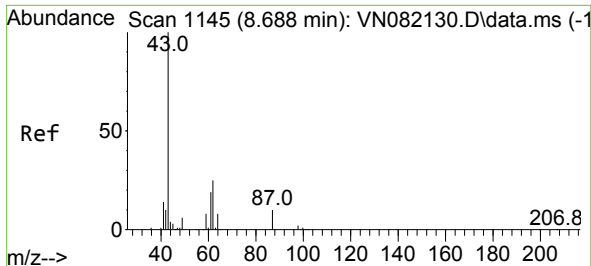
Tgt Ion: 41 Resp: 2065
Ion Ratio Lower Upper
41 100
39 57.7 46.6 69.8
67 0.0 67.3 100.9#
52 0.0 27.3 40.9#



#42
1,2-Dichloroethane
Concen: 0.332 ug/l
RT: 8.683 min Scan# 1144
Delta R.T. 0.012 min
Lab File: VN082472.D
Acq: 05 Jun 2024 15:49

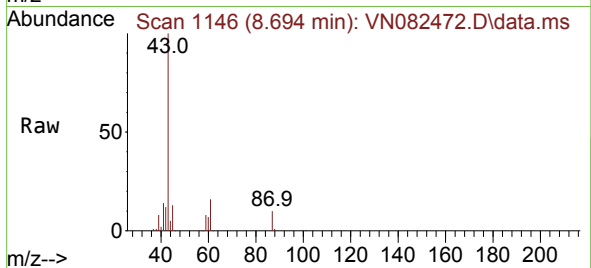
Tgt Ion: 62 Resp: 1109
Ion Ratio Lower Upper
62 100
98 0.0 0.0 19.6



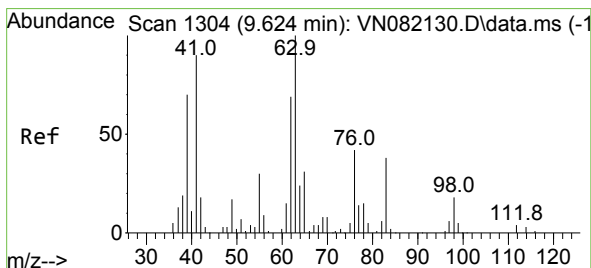
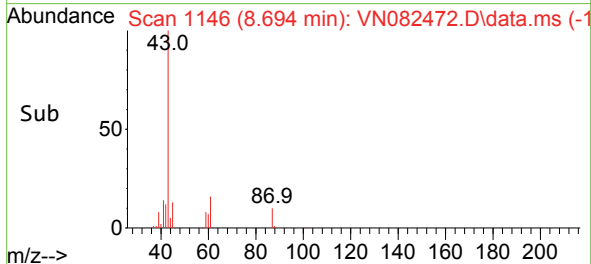
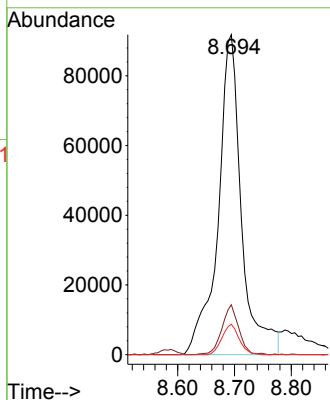


#43
Isopropyl Acetate
Concen: 45.578 ug/l
RT: 8.694 min Scan# 1145
Delta R.T. 0.006 min
Lab File: VN082472.D
Acq: 05 Jun 2024 15:49

Instrument :
MSVOA_N
ClientSampleId :

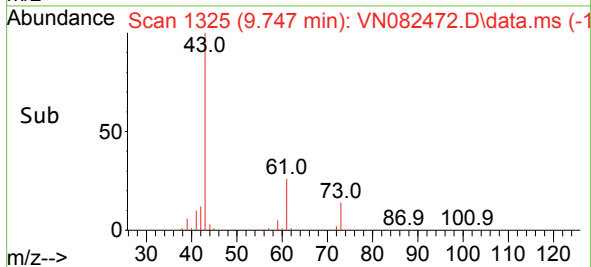
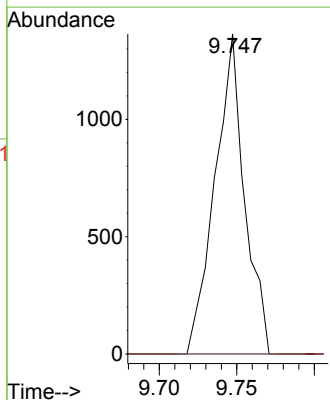
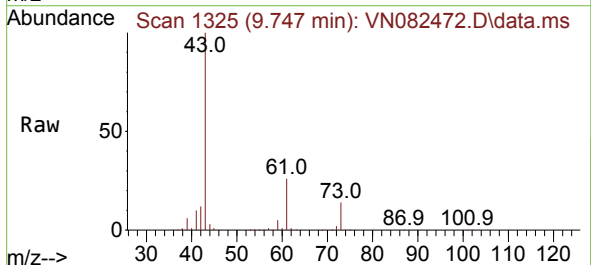


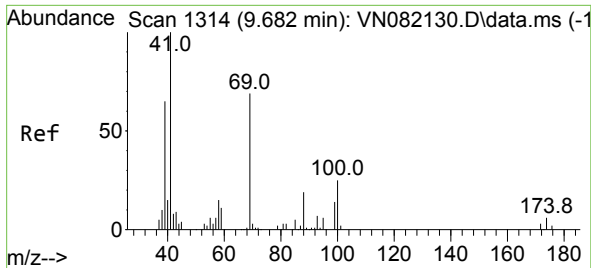
Tgt Ion: 43 Resp: 263265
Ion Ratio Lower Upper
43 100
61 11.2 22.8 34.2#
87 6.9 12.0 18.0#



#45
1,2-Dichloropropane
Concen: 0.808 ug/l
RT: 9.747 min Scan# 1325
Delta R.T. 0.124 min
Lab File: VN082472.D
Acq: 05 Jun 2024 15:49

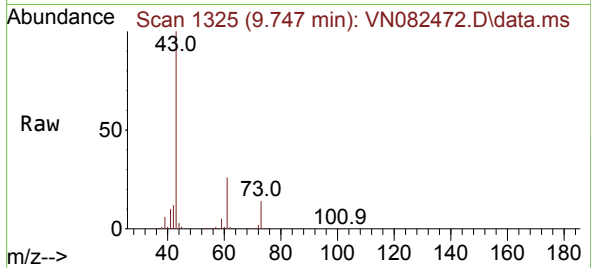
Tgt Ion: 63 Resp: 1810
Ion Ratio Lower Upper
63 100
65 0.0 24.1 36.1#



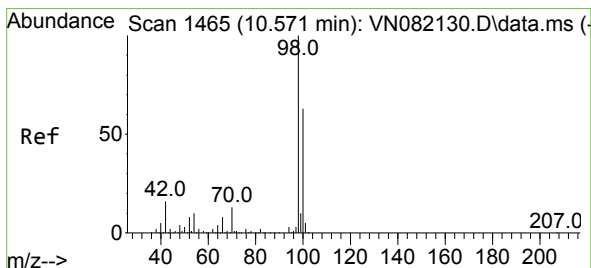
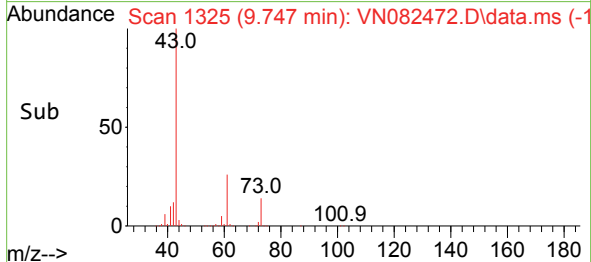
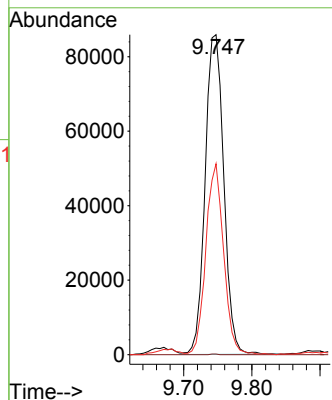


#48
Methyl methacrylate
Concen: 59.293 ug/l
RT: 9.747 min Scan# 11
Delta R.T. 0.065 min
Lab File: VN082472.D
Acq: 05 Jun 2024 15:49

Instrument :
MSVOA_N
ClientSampleId :

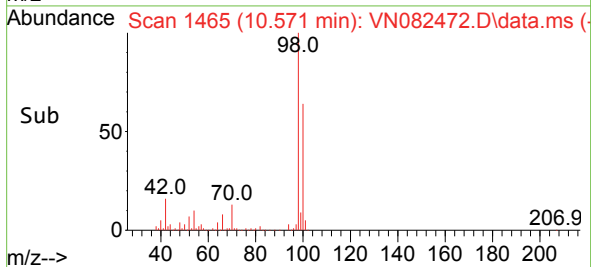
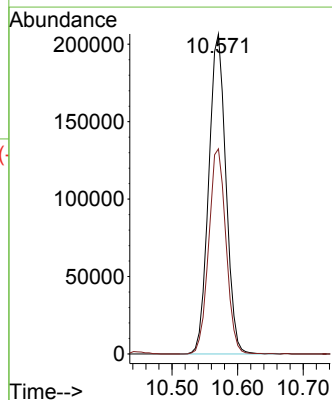
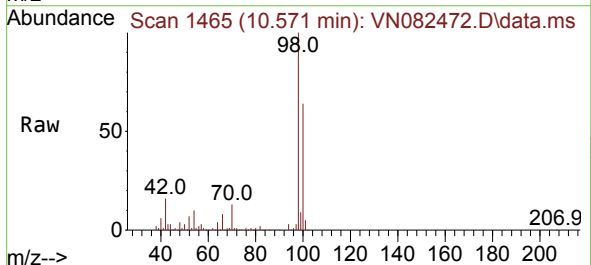


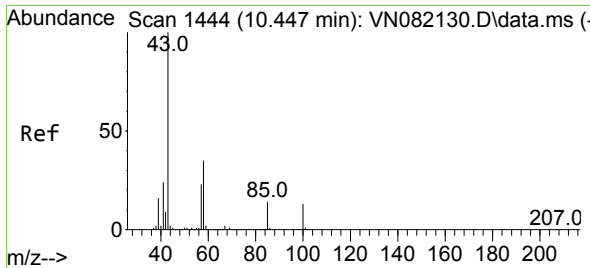
Tgt Ion: 41 Resp: 163192
Ion Ratio Lower Upper
41 100
69 0.1 77.9 116.9#
39 57.3 50.9 76.3



#50
Toluene-d8
Concen: 56.589 ug/l
RT: 10.571 min Scan# 1465
Delta R.T. 0.000 min
Lab File: VN082472.D
Acq: 05 Jun 2024 15:49

Tgt Ion: 98 Resp: 376804
Ion Ratio Lower Upper
98 100
100 64.3 51.8 77.6

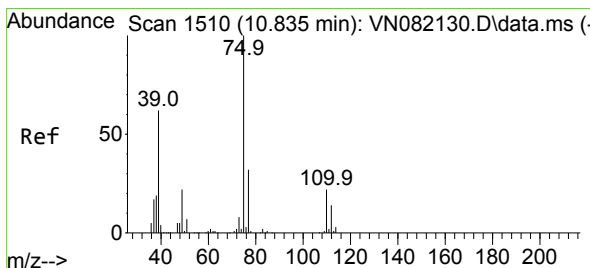
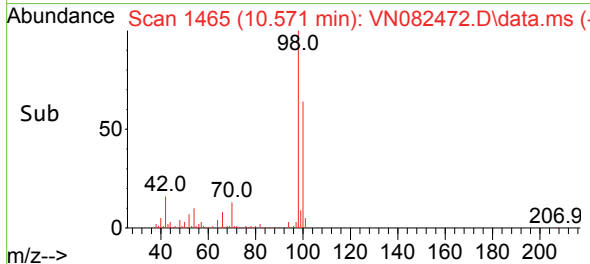
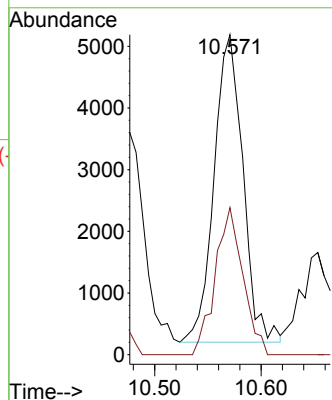
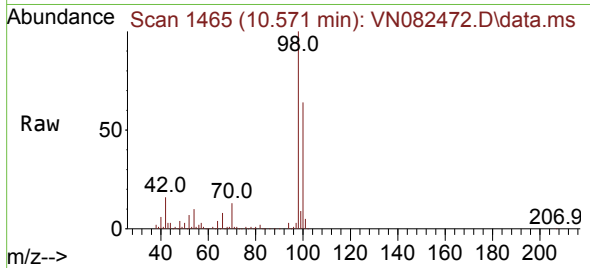




#51
4-Methyl-2-Pentanone
Concen: 2.861 ug/l
RT: 10.571 min Scan# 1444
Delta R.T. 0.124 min
Lab File: VN082472.D
Acq: 05 Jun 2024 15:49

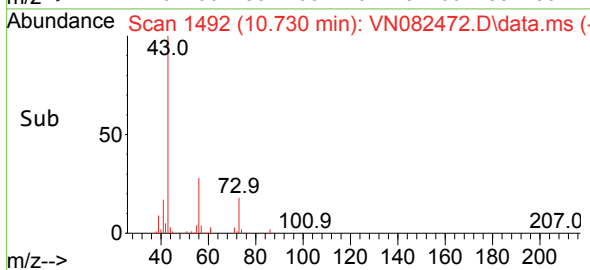
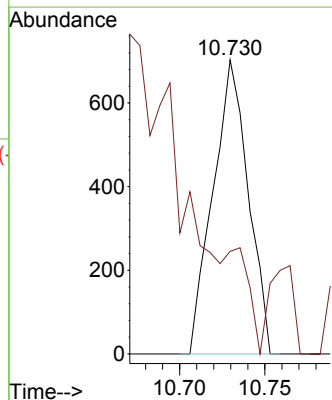
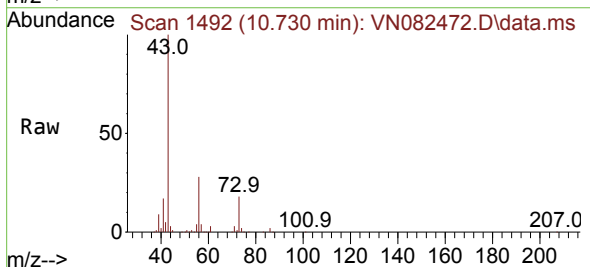
Instrument :
MSVOA_N
ClientSampleId :

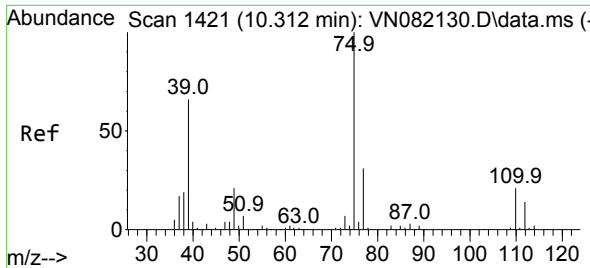
Tgt Ion: 43 Resp: 9388
Ion Ratio Lower Upper
43 100
58 45.8 33.2 49.8



#53
t-1,3-Dichloropropene
Concen: 0.314 ug/l
RT: 10.730 min Scan# 1492
Delta R.T. -0.106 min
Lab File: VN082472.D
Acq: 05 Jun 2024 15:49

Tgt Ion: 75 Resp: 1010
Ion Ratio Lower Upper
75 100
77 6.4 25.4 38.0#

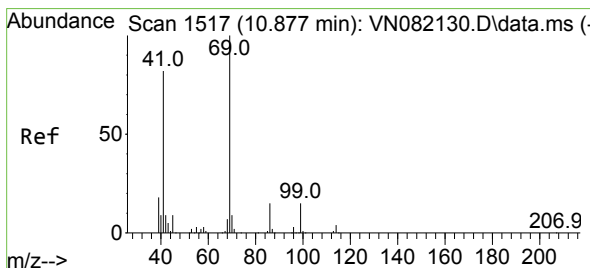
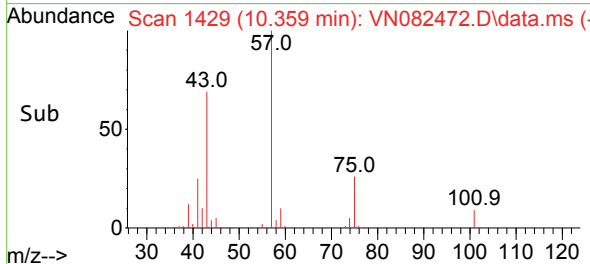
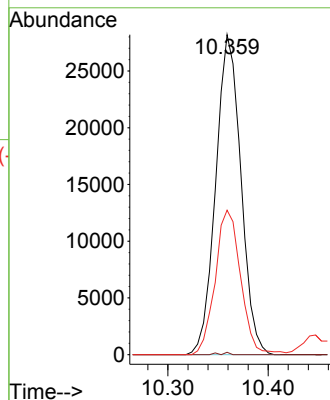
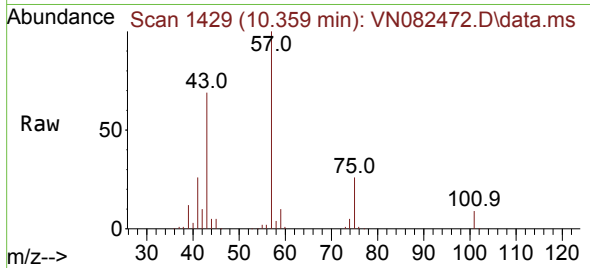




#54
 cis-1,3-Dichloropropene
 Concen: 14.417 ug/l
 RT: 10.359 min Scan# 1429
 Delta R.T. 0.047 min
 Lab File: VN082472.D
 Acq: 05 Jun 2024 15:49

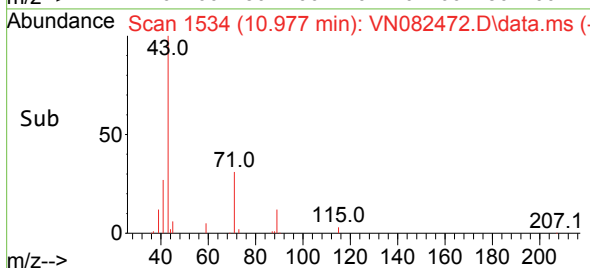
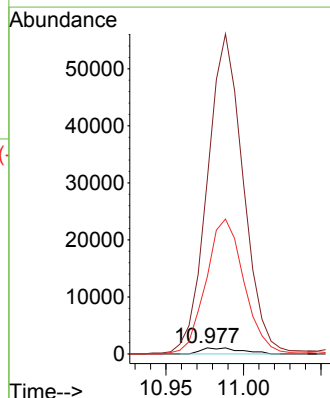
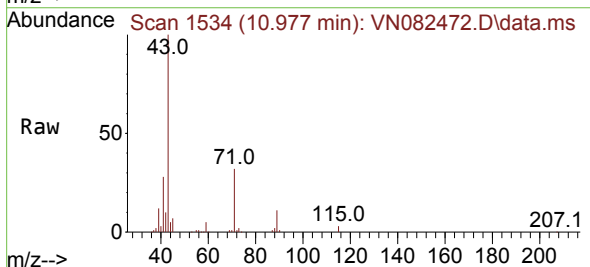
Instrument :
 MSVOA_N
 ClientSampleId :

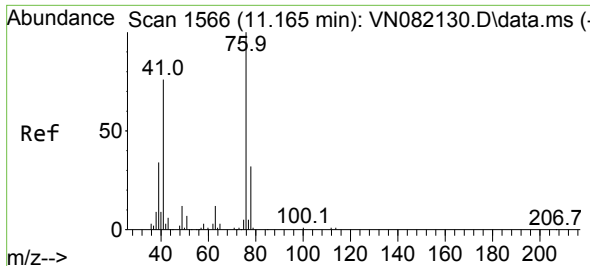
Tgt Ion: 75 Resp: 49024
 Ion Ratio Lower Upper
 75 100
 77 0.7 25.0 37.4#
 39 45.2 34.8 52.2



#56
 Ethyl methacrylate
 Concen: 0.590 ug/l
 RT: 10.977 min Scan# 1534
 Delta R.T. 0.100 min
 Lab File: VN082472.D
 Acq: 05 Jun 2024 15:49

Tgt Ion: 69 Resp: 1899
 Ion Ratio Lower Upper
 69 100
 41 4796.7 46.6 70.0#
 39 2136.1 26.5 39.7#

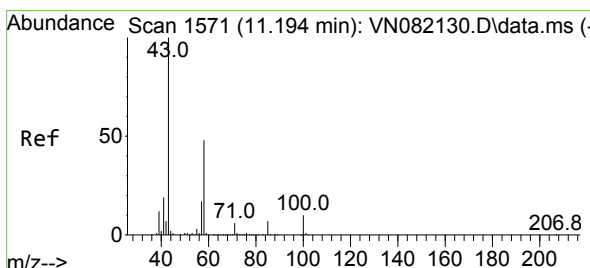
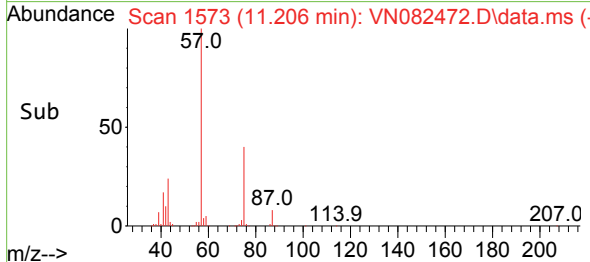
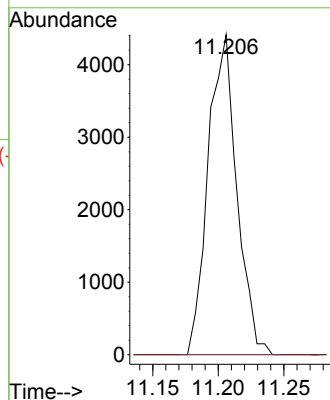
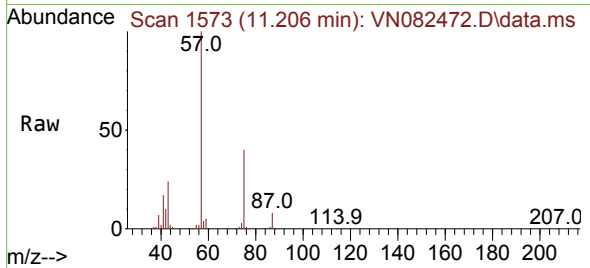




#57
1,3-Dichloropropane
Concen: 1.902 ug/l
RT: 11.206 min Scan# 1573
Delta R.T. 0.041 min
Lab File: VN082472.D
Acq: 05 Jun 2024 15:49

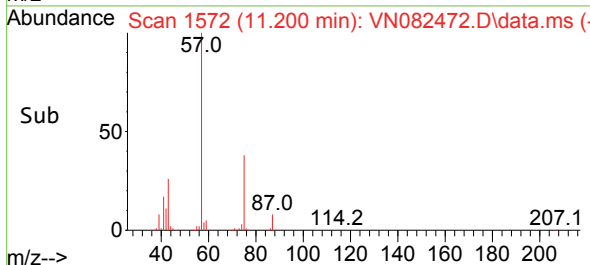
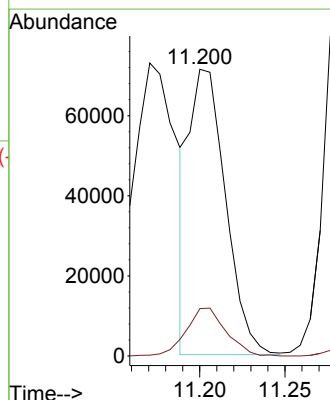
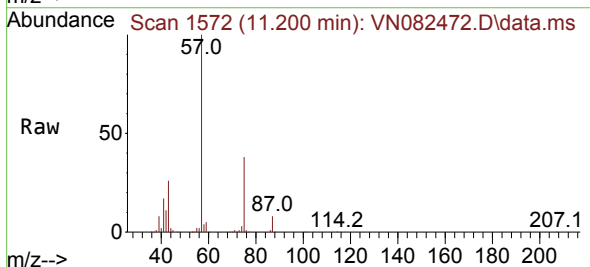
Instrument :
MSVOA_N
ClientSampleId :

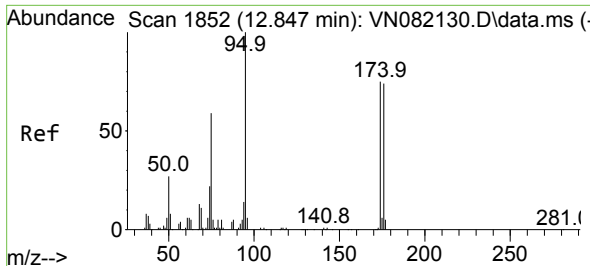
Tgt Ion: 76 Resp: 6735
Ion Ratio Lower Upper
76 100
78 0.0 25.8 38.6#



#59
2-Hexanone
Concen: 44.128 ug/l
RT: 11.200 min Scan# 1572
Delta R.T. 0.006 min
Lab File: VN082472.D
Acq: 05 Jun 2024 15:49

Tgt Ion: 43 Resp: 106037
Ion Ratio Lower Upper
43 100
58 18.4 28.3 84.9#

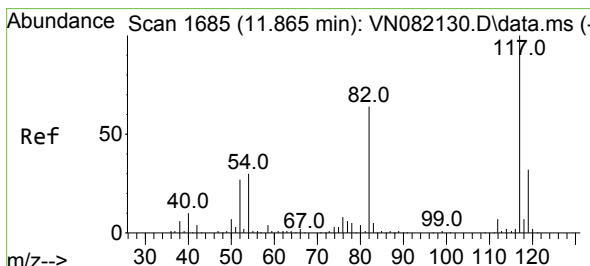
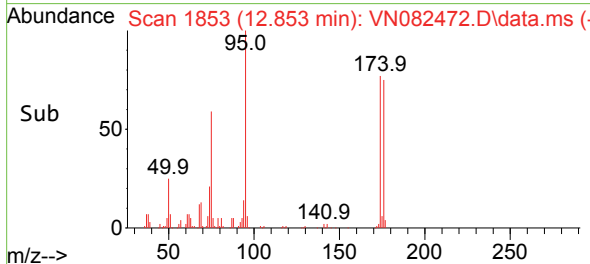
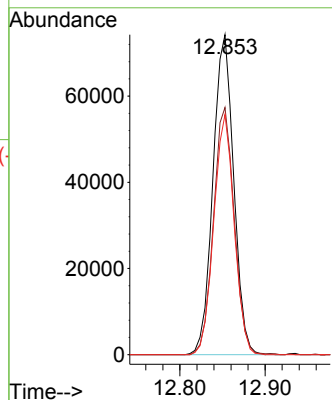
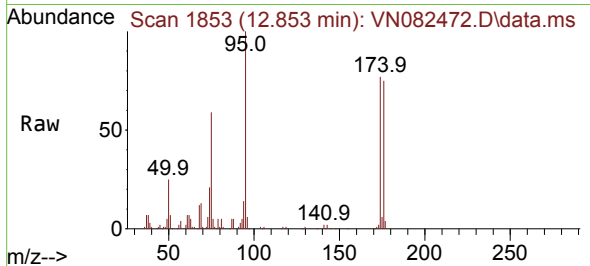




#62
4-Bromofluorobenzene
Concen: 52.895 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. 0.006 min
Lab File: VN082472.D
Acq: 05 Jun 2024 15:49

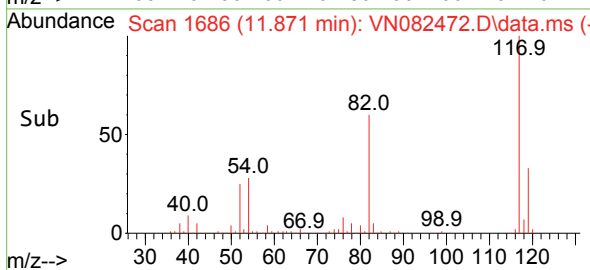
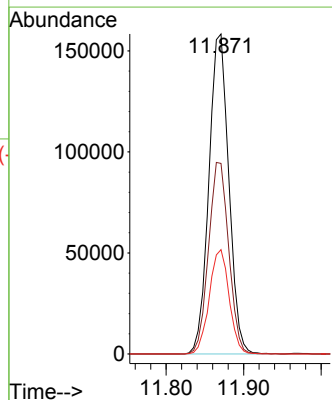
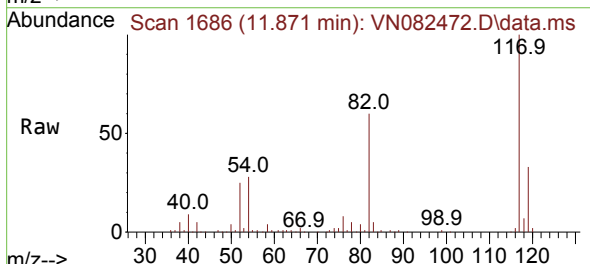
Instrument :
MSVOA_N
ClientSampleId :

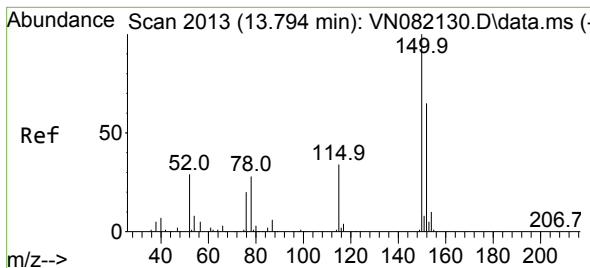
Tgt Ion: 95 Resp: 125711
Ion Ratio Lower Upper
95 100
174 77.6 0.0 160.6
176 73.7 0.0 152.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.871 min Scan# 1686
Delta R.T. 0.006 min
Lab File: VN082472.D
Acq: 05 Jun 2024 15:49

Tgt Ion: 117 Resp: 282550
Ion Ratio Lower Upper
117 100
82 59.5 44.6 66.8
119 32.6 25.9 38.9





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.794 min Scan# 2013

Delta R.T. 0.000 min

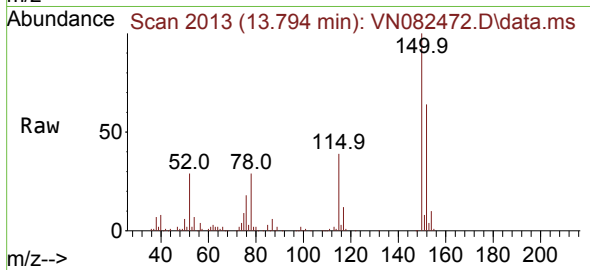
Lab File: VN082472.D

Acq: 05 Jun 2024 15:49

Instrument :

MSVOA_N

ClientSampleId :



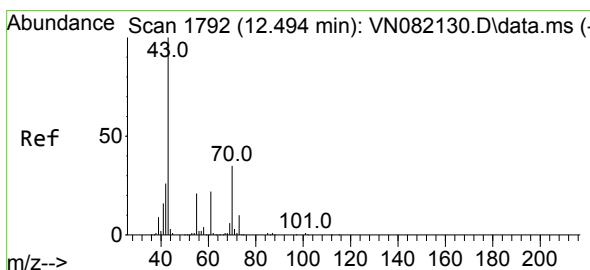
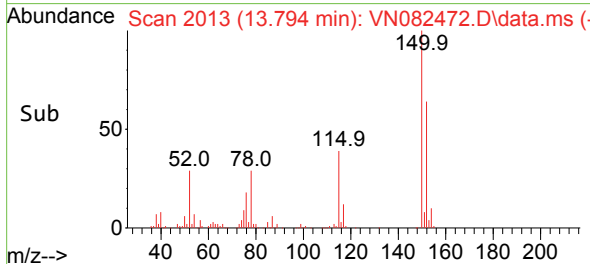
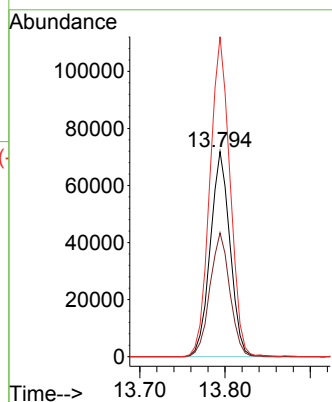
Tgt Ion:152 Resp: 115368

Ion Ratio Lower Upper

152 100

115 60.9 30.4 91.3

150 159.3 0.0 353.2



#74

N-ethyl acetate

Concen: 0.356 ug/l

RT: 12.494 min Scan# 1792

Delta R.T. 0.000 min

Lab File: VN082472.D

Acq: 05 Jun 2024 15:49

Tgt Ion: 43 Resp: 1795

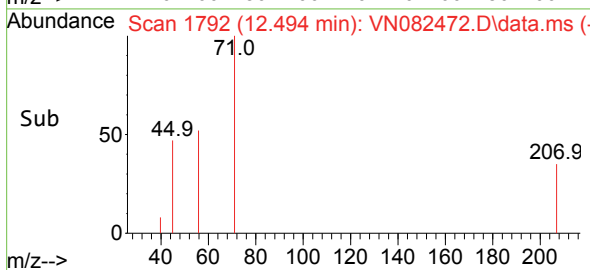
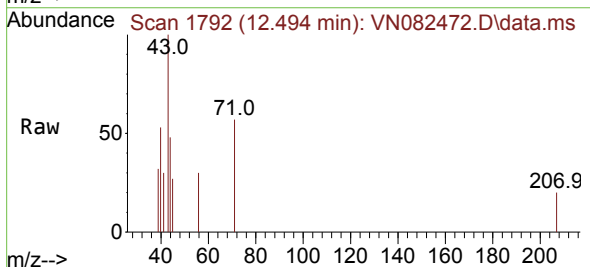
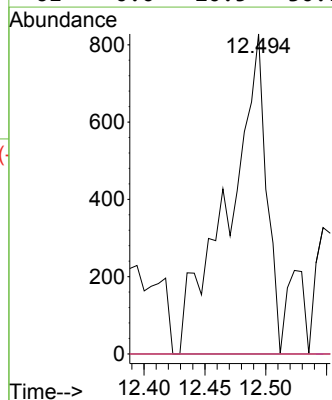
Ion Ratio Lower Upper

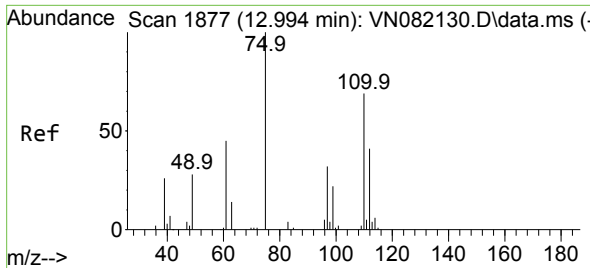
43 100

70 0.0 39.0 58.4#

55 0.0 21.3 31.9#

61 0.0 20.5 30.7#

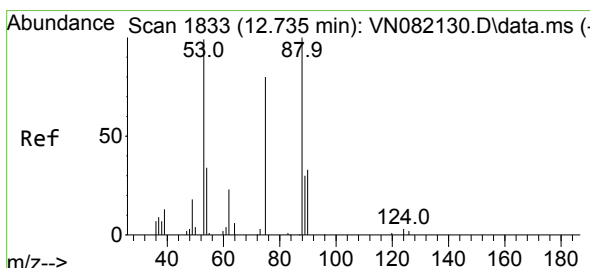
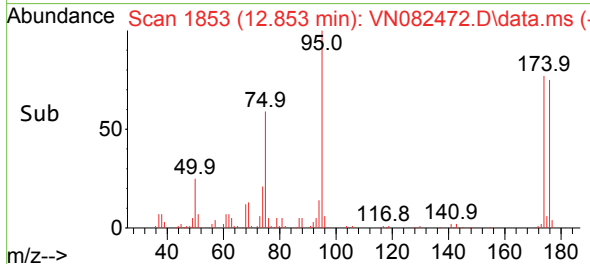
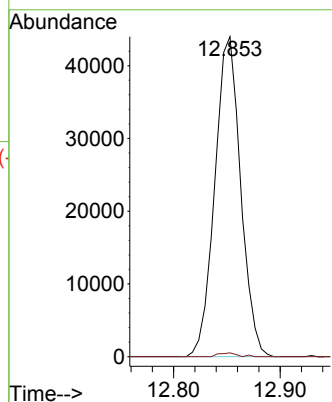
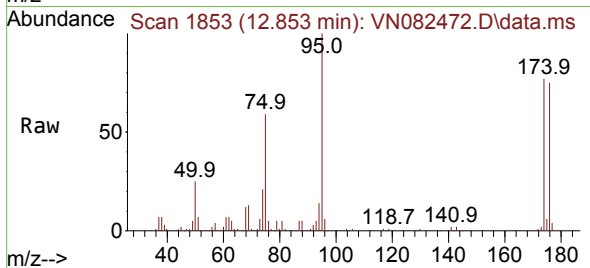




#76
1,2,3-Trichloropropane
Concen: 30.488 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. -0.141 min
Lab File: VN082472.D
Acq: 05 Jun 2024 15:49

Instrument :
MSVOA_N
ClientSampleId :

Tgt Ion: 75 Resp: 74032
Ion Ratio Lower Upper
75 100
77 0.9 90.5 271.3#



#81
trans-1,4-Dichloro-2-butene
Concen: 71.311 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. 0.118 min
Lab File: VN082472.D
Acq: 05 Jun 2024 15:49

Tgt Ion: 75 Resp: 74032
Ion Ratio Lower Upper
75 100
53 0.0 72.9 109.3#
89 0.0 39.1 58.7#

