

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN060524\
 Data File : VN082469.D
 Acq On : 05 Jun 2024 14:37
 Operator : JC\MD
 Sample : PB161297ZHE#05
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Jun 06 00:56:47 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)

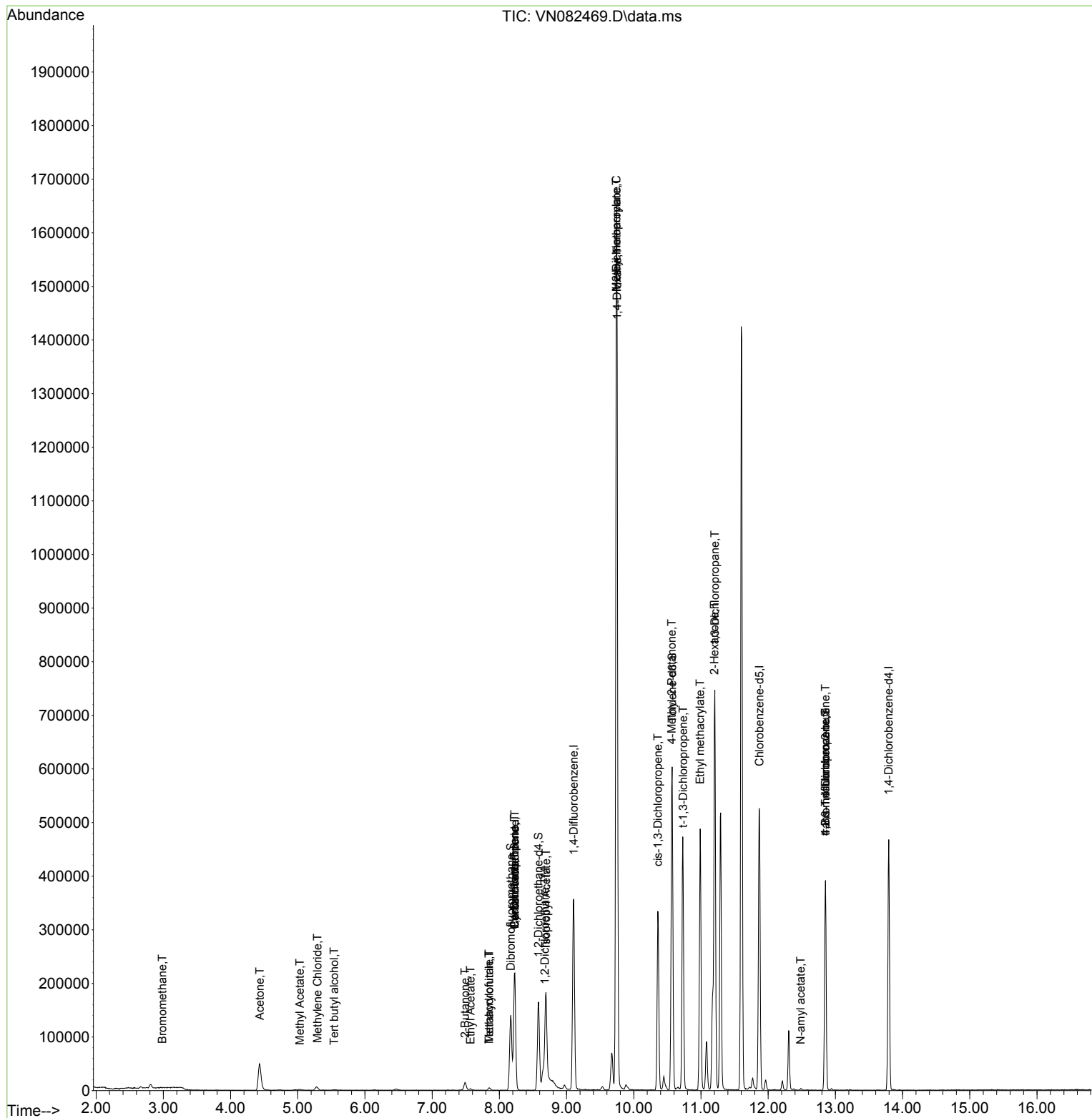
Internal Standards						
1) Pentafluorobenzene	8.230	168	150319	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	282232	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.870	117	283503	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	116140	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.582	65	133412	56.207	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 112.420%			
35) Dibromofluoromethane	8.171	113	97213	55.993	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 111.980%			
50) Toluene-d8	10.571	98	376060	56.497	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 113.000%			
62) 4-Bromofluorobenzene	12.853	95	123273	51.887	ug/l	0.00
Spiked Amount 50.000	Range 64 - 133		Recovery = 103.780%			
Target Compounds						Qvalue
5) Bromomethane	2.983	94	390	0.294	ug/l #	48
11) Tert butyl alcohol	5.541	59	519	1.362	ug/l #	71
16) Acetone	4.436	43	98242	100.897	ug/l	89
18) Methyl Acetate	5.030	43	3329	1.373	ug/l #	64
20) Methylene Chloride	5.294	84	4177	2.126	ug/l #	82
25) 2-Butanone	7.488	43	24455	16.566	ug/l #	86
29) Tetrahydrofuran	7.847	42	3281	3.462	ug/l #	85
31) Cyclohexane	8.224	56	4467	1.178	ug/l #	39
36) 1,1-Dichloropropene	8.224	75	14393	4.943	ug/l #	47
37) Ethyl Acetate	7.571	43	4354	1.336	ug/l #	84
38) Carbon Tetrachloride	8.230	117	16255	5.507	ug/l #	16
41) Methacrylonitrile	7.847	41	2172	1.133	ug/l #	42
42) 1,2-Dichloroethane	8.677	62	698	0.209	ug/l #	73
43) Isopropyl Acetate	8.694	43	283671	49.128	ug/l #	71
45) 1,2-Dichloropropane	9.741	63	1824	0.814	ug/l #	45
48) Methyl methacrylate	9.741	41	166375	60.470	ug/l #	37
49) 1,4-Dioxane	9.753	88	158	4.098	ug/l #	1
51) 4-Methyl-2-Pentanone	10.565	43	9440	2.877	ug/l	97
53) t-1,3-Dichloropropene	10.735	75	925	0.288	ug/l	98
54) cis-1,3-Dichloropropene	10.359	75	50111	14.742	ug/l #	74
56) Ethyl methacrylate	10.988	69	1811	0.563	ug/l #	1
57) 1,3-Dichloropropane	11.206	76	7096	2.004	ug/l #	42
59) 2-Hexanone	11.200	43	116299	48.415	ug/l #	47
74) N-amyl acetate	12.482	43	1971	0.388	ug/l #	41
76) 1,2,3-Trichloropropane	12.853	75	72681	29.733	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.853	75	72681	69.544	ug/l #	12

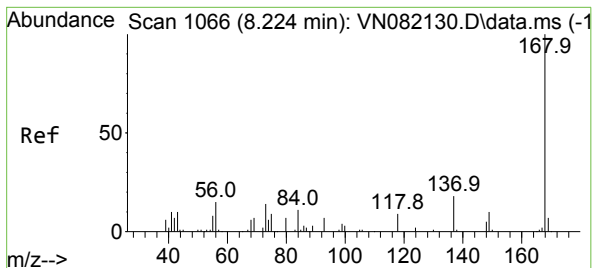
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN060524\
Data File : VN082469.D
Acq On : 05 Jun 2024 14:37
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Sample : PB161297ZHE#05
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 13 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :

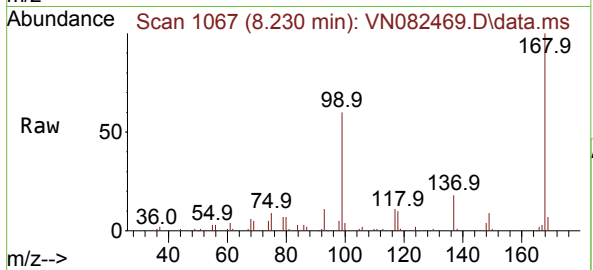
Quant Time: Jun 06 00:56:47 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N051524W.M
Quant Title : SW846 8260
QLast Update : Thu May 16 05:21:06 2024
Response via : Initial Calibration



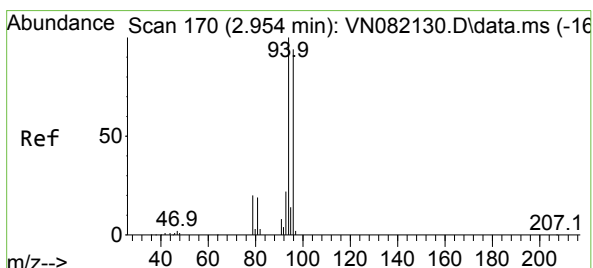
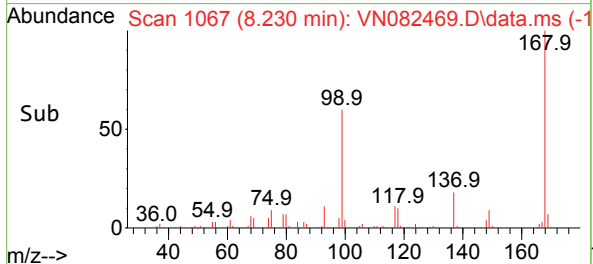
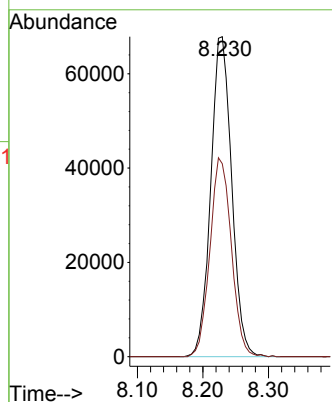


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.230 min Scan# 10
Delta R.T. 0.006 min
Lab File: VN082469.D
Acq: 05 Jun 2024 14:37

Instrument :
MSVOA_N
ClientSampleId :

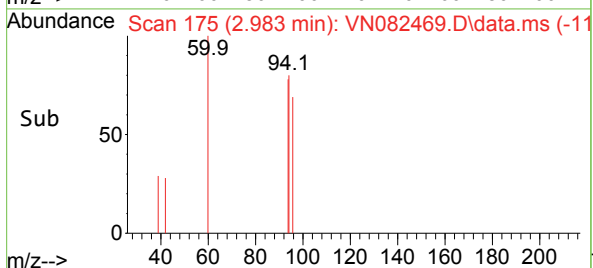
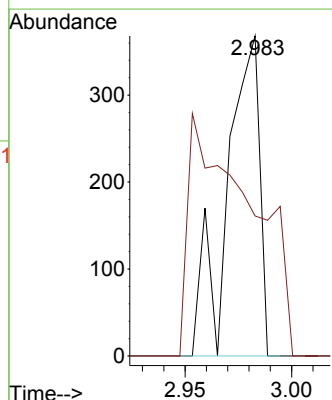
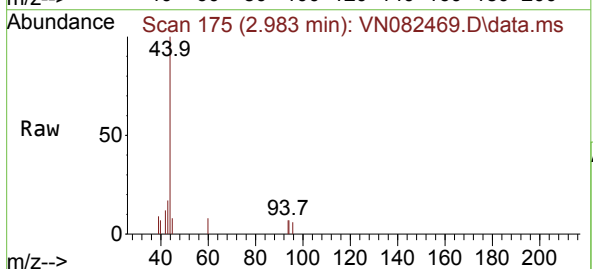


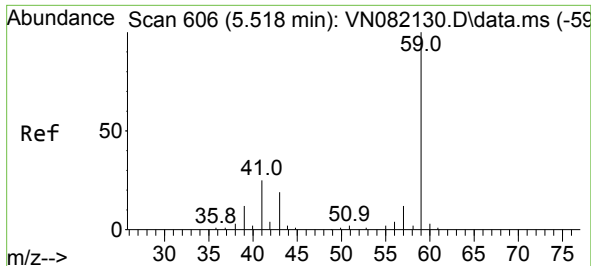
Tgt Ion:168 Resp: 150319
Ion Ratio Lower Upper
168 100
99 60.3 48.2 72.4



#5
Bromomethane
Concen: 0.294 ug/l
RT: 2.983 min Scan# 175
Delta R.T. 0.029 min
Lab File: VN082469.D
Acq: 05 Jun 2024 14:37

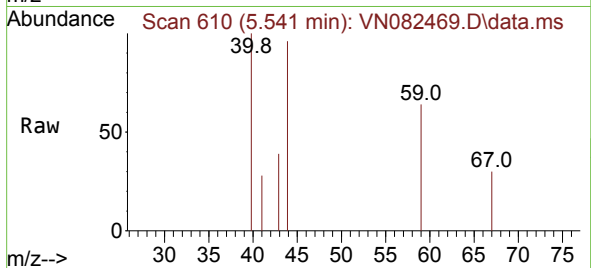
Tgt Ion: 94 Resp: 390
Ion Ratio Lower Upper
94 100
96 43.8 74.8 112.2#



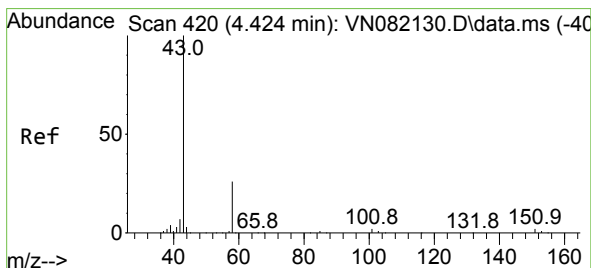
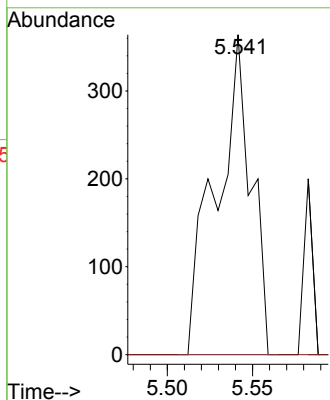
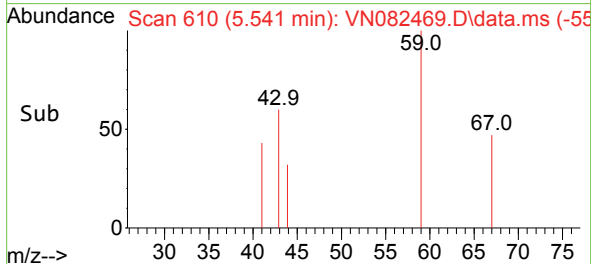


#11
Tert butyl alcohol
Concen: 1.362 ug/l
RT: 5.541 min Scan# 610
Delta R.T. 0.023 min
Lab File: VN082469.D
Acq: 05 Jun 2024 14:37

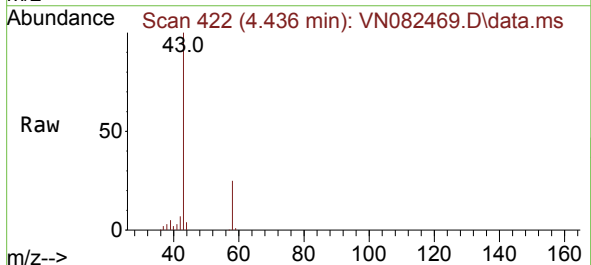
Instrument :
MSVOA_N
ClientSampleId :



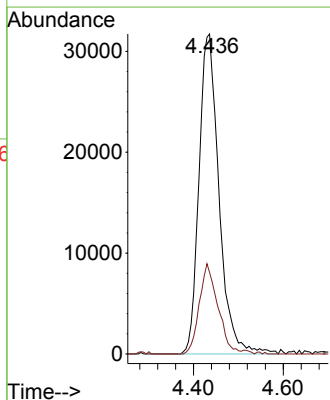
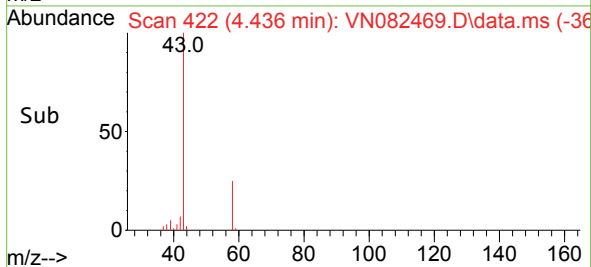
Tgt Ion: 59 Resp: 519
Ion Ratio Lower Upper
59 100
57 0.0 8.9 13.3#

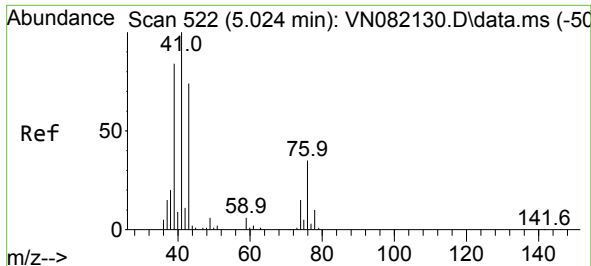


#16
Acetone
Concen: 100.897 ug/l
RT: 4.436 min Scan# 422
Delta R.T. 0.012 min
Lab File: VN082469.D
Acq: 05 Jun 2024 14:37



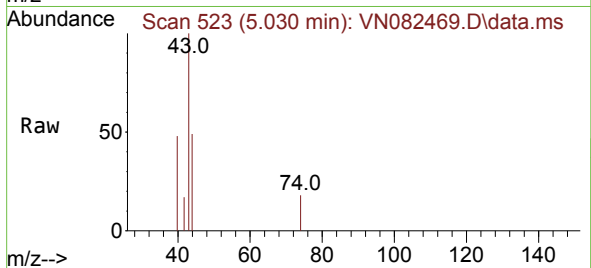
Tgt Ion: 43 Resp: 98242
Ion Ratio Lower Upper
43 100
58 25.5 25.2 37.8



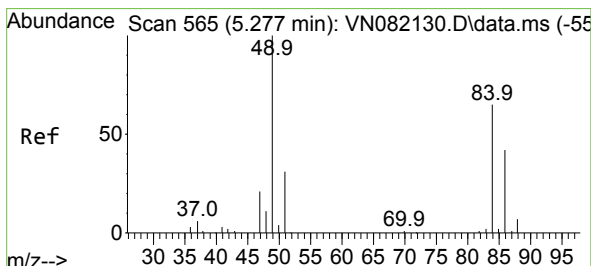
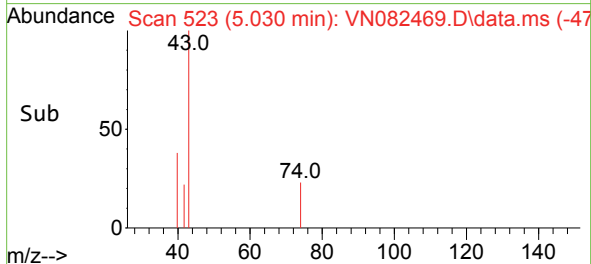
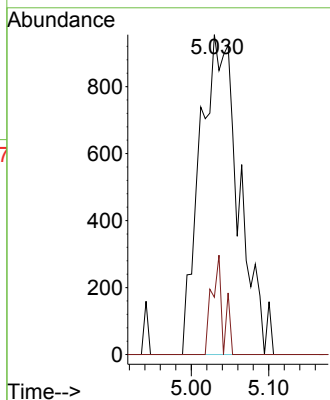


#18
Methyl Acetate
Concen: 1.373 ug/l
RT: 5.030 min Scan# 51
Delta R.T. 0.006 min
Lab File: VN082469.D
Acq: 05 Jun 2024 14:37

Instrument :
MSVOA_N
ClientSampleId :

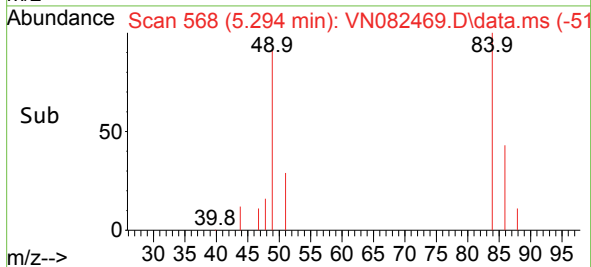
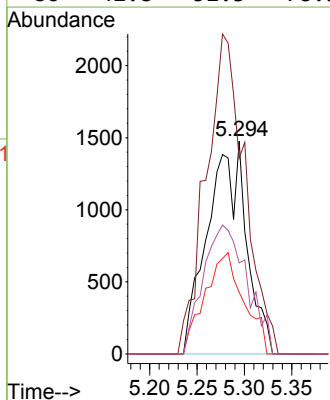
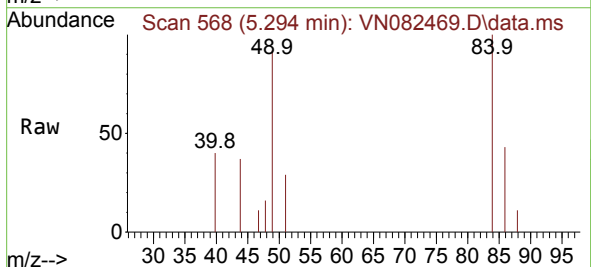


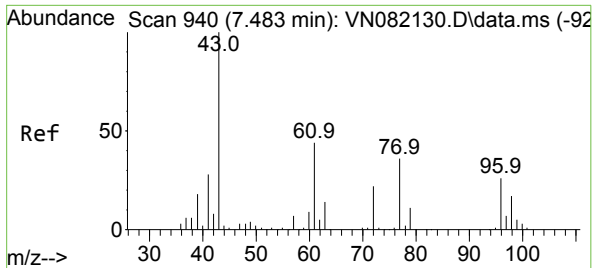
Tgt Ion: 43 Resp: 3329
Ion Ratio Lower Upper
43 100
74 9.0 22.2 33.2#



#20
Methylene Chloride
Concen: 2.126 ug/l
RT: 5.294 min Scan# 568
Delta R.T. 0.018 min
Lab File: VN082469.D
Acq: 05 Jun 2024 14:37

Tgt Ion: 84 Resp: 4177
Ion Ratio Lower Upper
84 100
49 91.9 84.9 127.3
51 29.0 27.0 40.6
86 42.8 52.3 78.5#

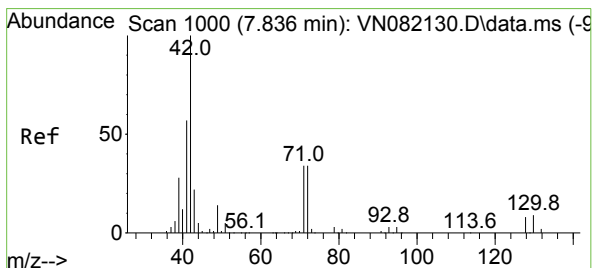
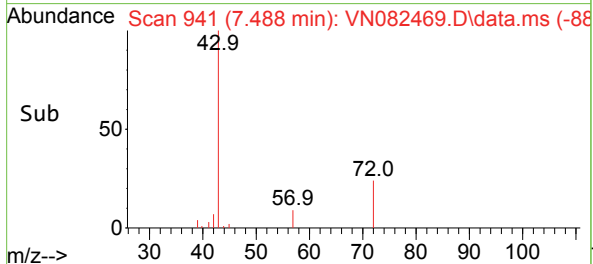
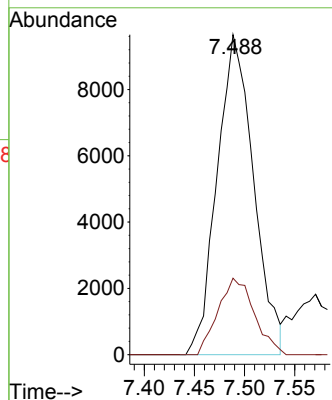
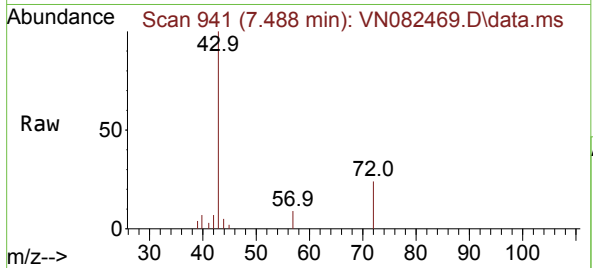




#25
2-Butanone
Concen: 16.566 ug/l
RT: 7.488 min Scan# 940
Delta R.T. 0.006 min
Lab File: VN082469.D
Acq: 05 Jun 2024 14:37

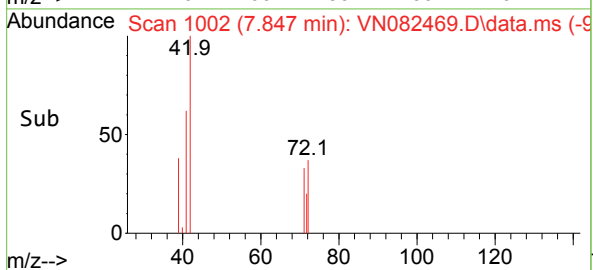
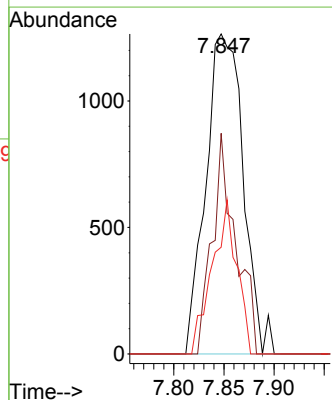
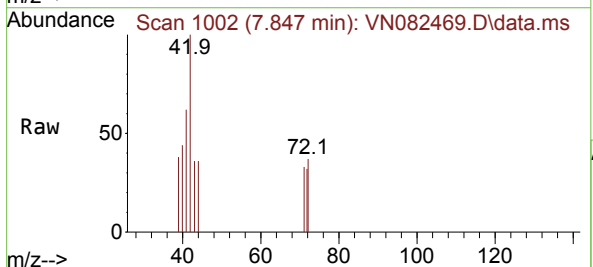
Instrument :
MSVOA_N
ClientSampleId :

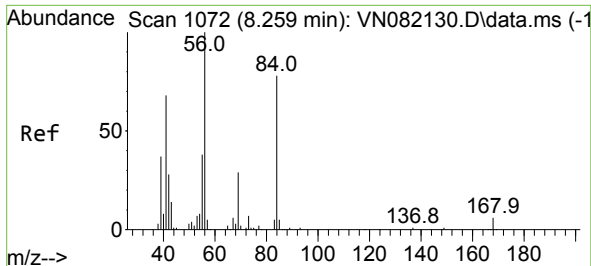
Tgt Ion: 43 Resp: 24455
Ion Ratio Lower Upper
43 100
72 23.9 25.3 37.9#



#29
Tetrahydrofuran
Concen: 3.462 ug/l
RT: 7.847 min Scan# 1002
Delta R.T. 0.011 min
Lab File: VN082469.D
Acq: 05 Jun 2024 14:37

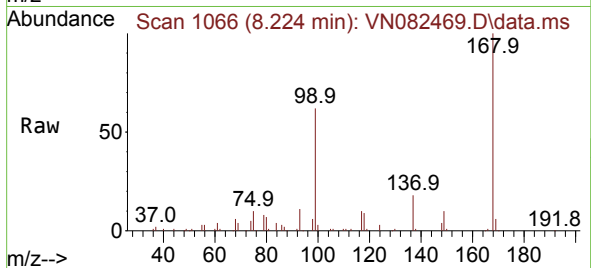
Tgt Ion: 42 Resp: 3281
Ion Ratio Lower Upper
42 100
72 43.4 39.3 58.9
71 31.8 37.4 56.0#



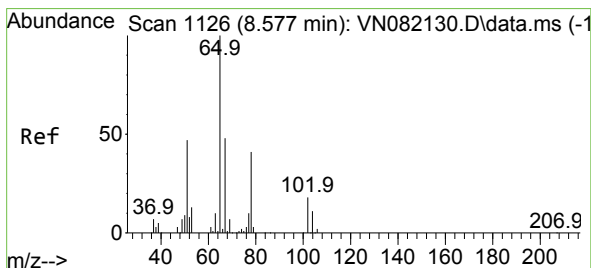
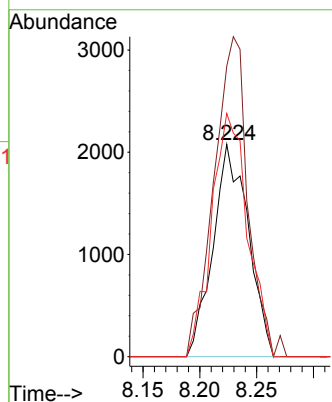
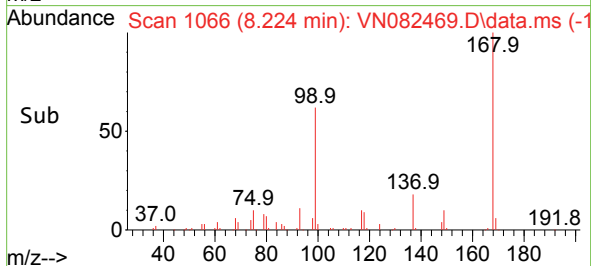


#31
Cyclohexane
Concen: 1.178 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. -0.035 min
Lab File: VN082469.D
Acq: 05 Jun 2024 14:37

Instrument :
MSVOA_N
ClientSampleId :

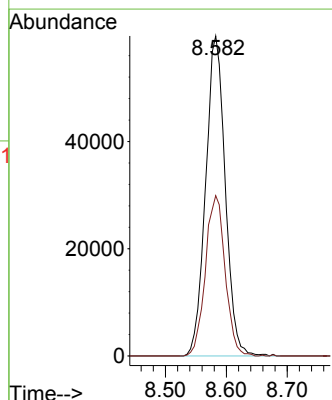
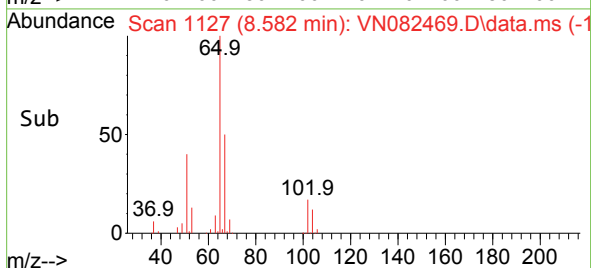
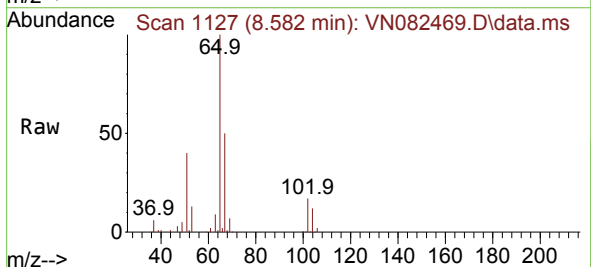


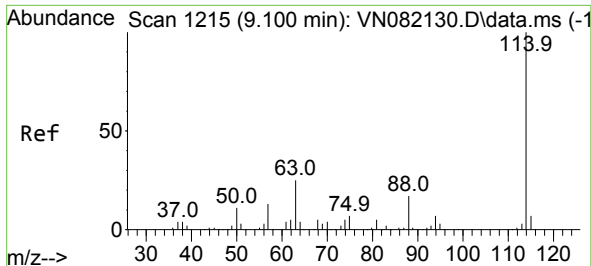
Tgt Ion: 56 Resp: 4467
Ion Ratio Lower Upper
56 100
69 136.9 24.4 36.6#
84 114.5 77.0 115.4



#33
1,2-Dichloroethane-d4
Concen: 56.207 ug/l
RT: 8.582 min Scan# 1127
Delta R.T. 0.006 min
Lab File: VN082469.D
Acq: 05 Jun 2024 14:37

Tgt Ion: 65 Resp: 133412
Ion Ratio Lower Upper
65 100
67 50.4 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: VN082469.D

Acq: 05 Jun 2024 14:37

Instrument :

MSVOA_N

ClientSampleId :

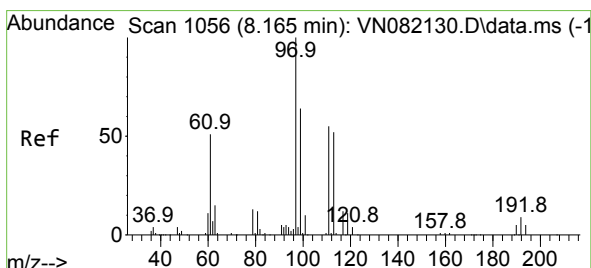
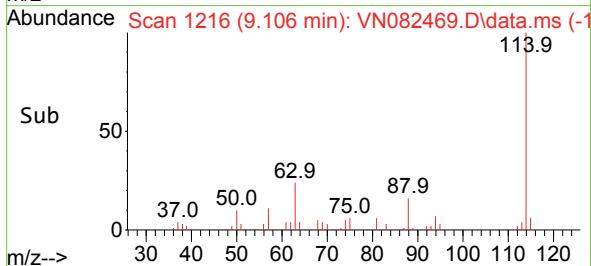
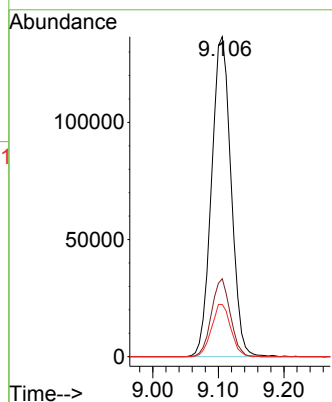
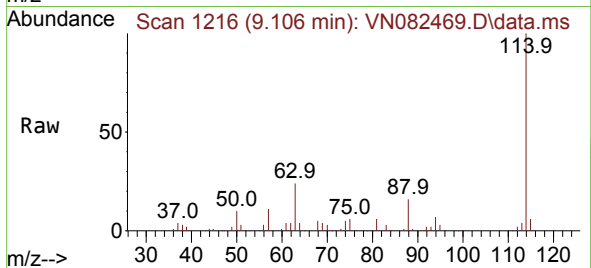
Tgt Ion:114 Resp: 282232

Ion Ratio Lower Upper

114 100

63 24.4 0.0 41.0

88 16.3 0.0 31.4



#35

Dibromofluoromethane

Concen: 55.993 ug/l

RT: 8.171 min Scan# 1057

Delta R.T. 0.006 min

Lab File: VN082469.D

Acq: 05 Jun 2024 14:37

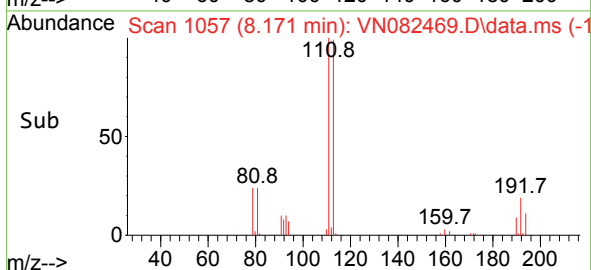
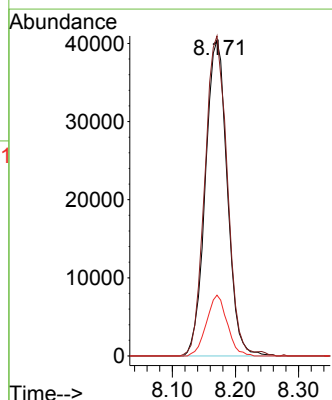
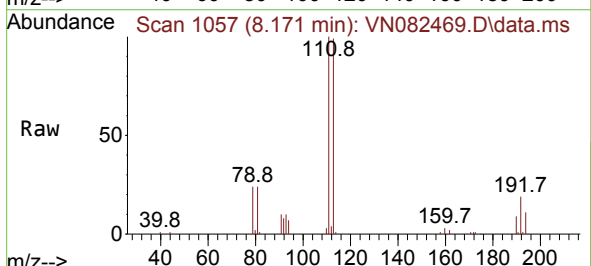
Tgt Ion:113 Resp: 97213

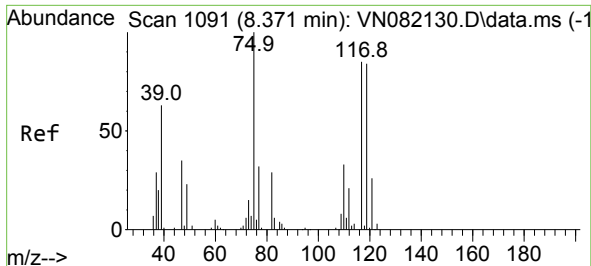
Ion Ratio Lower Upper

113 100

111 104.1 83.4 125.2

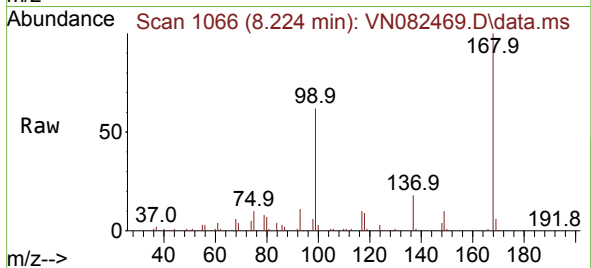
192 18.3 14.0 21.0



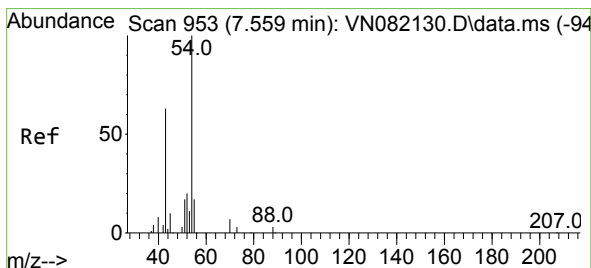
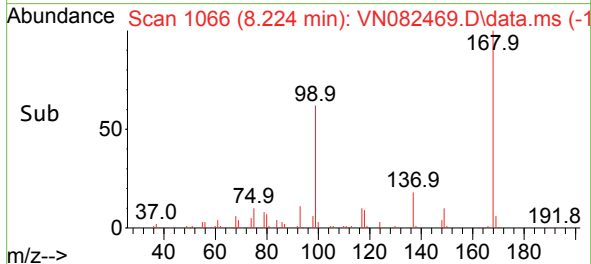
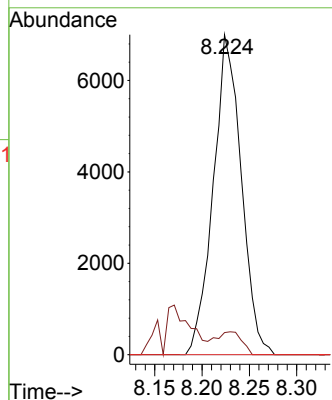


#36
1,1-Dichloropropene
Concen: 4.943 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. -0.147 min
Lab File: VN082469.D
Acq: 05 Jun 2024 14:37

Instrument :
MSVOA_N
ClientSampleId :

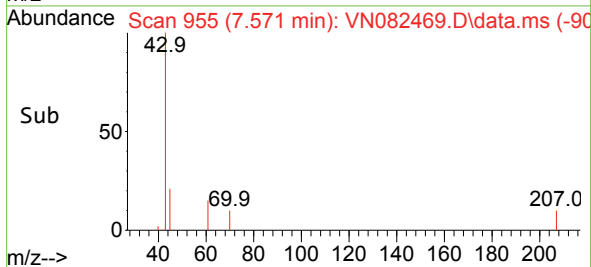
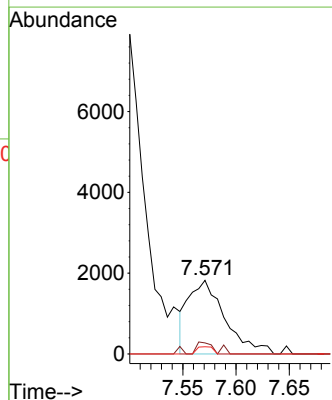
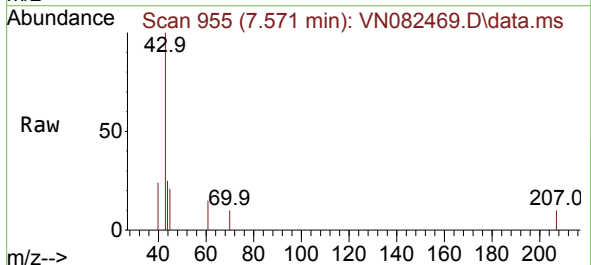


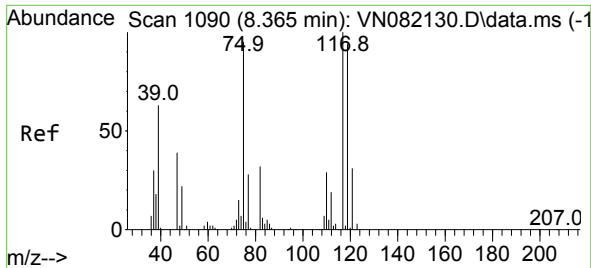
Tgt Ion: 75 Resp: 14393
Ion Ratio Lower Upper
75 100
110 6.6 17.8 53.5#
77 0.0 25.0 37.4#



#37
Ethyl Acetate
Concen: 1.336 ug/l
RT: 7.571 min Scan# 955
Delta R.T. 0.012 min
Lab File: VN082469.D
Acq: 05 Jun 2024 14:37

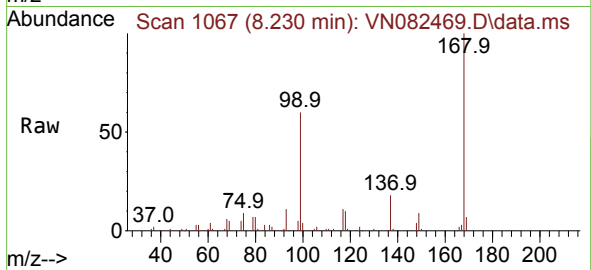
Tgt Ion: 43 Resp: 4354
Ion Ratio Lower Upper
43 100
61 8.2 11.3 16.9#
70 4.2 8.7 13.1#



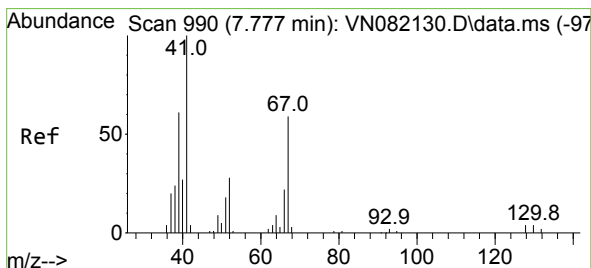
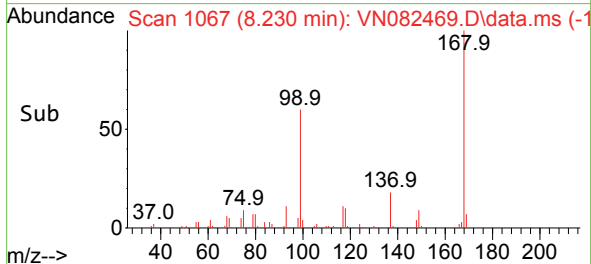
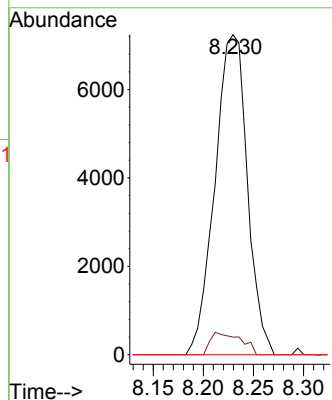


#38
Carbon Tetrachloride
Concen: 5.507 ug/l
RT: 8.230 min Scan# 1067
Delta R.T. -0.135 min
Lab File: VN082469.D
Acq: 05 Jun 2024 14:37

Instrument :
MSVOA_N
ClientSampleId :

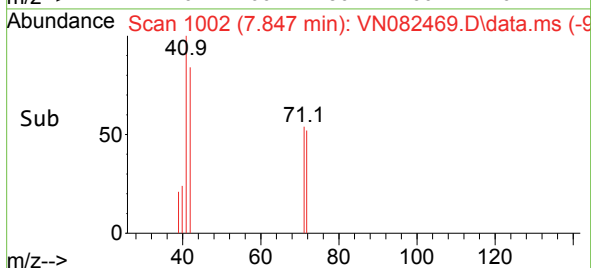
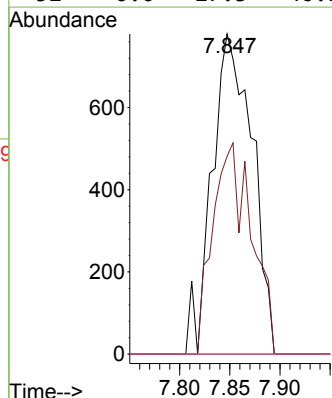
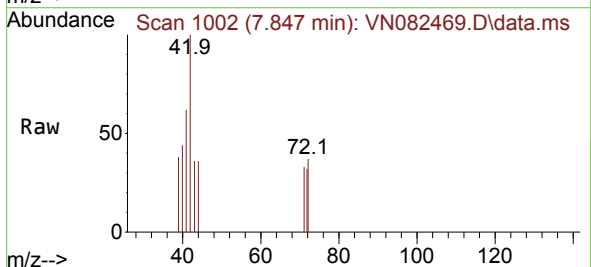


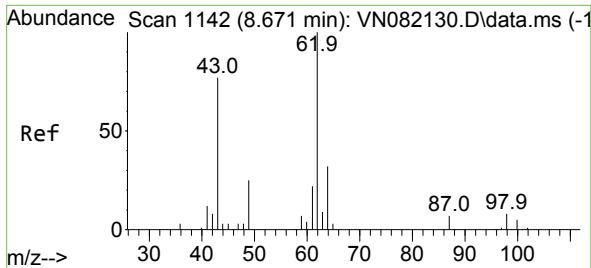
Tgt Ion:117 Resp: 16255
Ion Ratio Lower Upper
117 100
119 5.5 76.5 114.7#
121 0.0 23.9 35.9#



#41
Methacrylonitrile
Concen: 1.133 ug/l
RT: 7.847 min Scan# 1002
Delta R.T. 0.071 min
Lab File: VN082469.D
Acq: 05 Jun 2024 14:37

Tgt Ion: 41 Resp: 2172
Ion Ratio Lower Upper
41 100
39 63.8 46.6 69.8
67 0.0 67.3 100.9#
52 0.0 27.3 40.9#





#42

1,2-Dichloroethane

Concen: 0.209 ug/l

RT: 8.677 min Scan# 1143

Delta R.T. 0.006 min

Lab File: VN082469.D

Acq: 05 Jun 2024 14:37

Instrument :

MSVOA_N

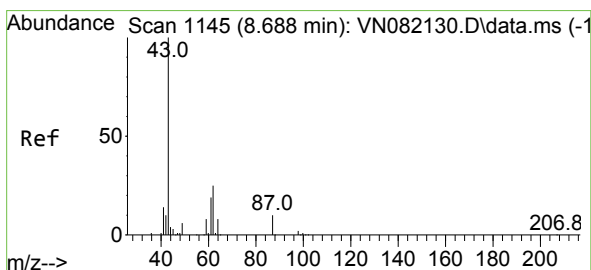
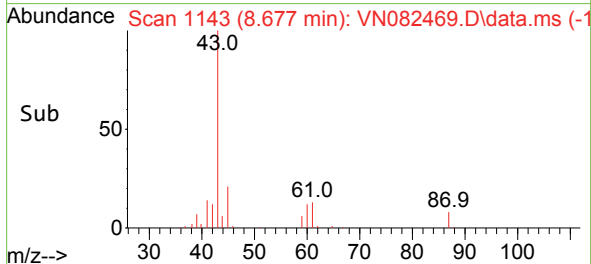
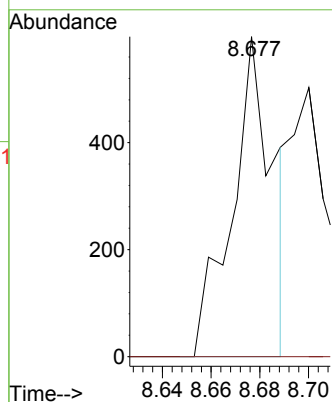
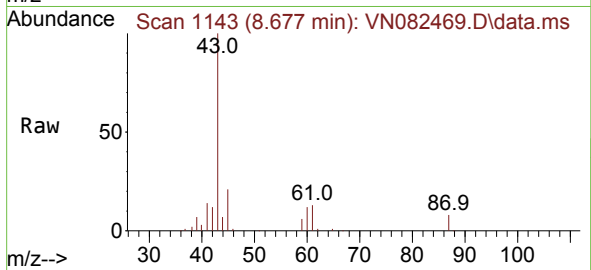
ClientSampleId :

Tgt Ion: 62 Resp: 698

Ion Ratio Lower Upper

62 100

98 0.0 0.0 19.6



#43

Isopropyl Acetate

Concen: 49.128 ug/l

RT: 8.694 min Scan# 1146

Delta R.T. 0.006 min

Lab File: VN082469.D

Acq: 05 Jun 2024 14:37

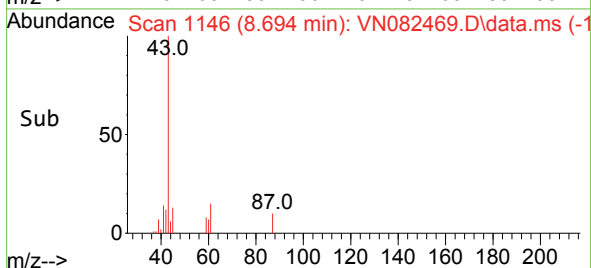
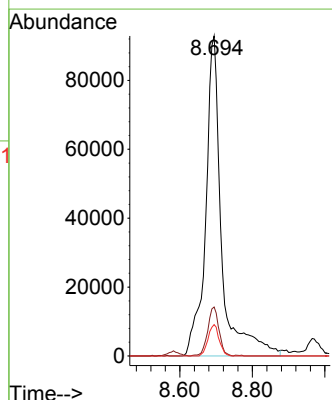
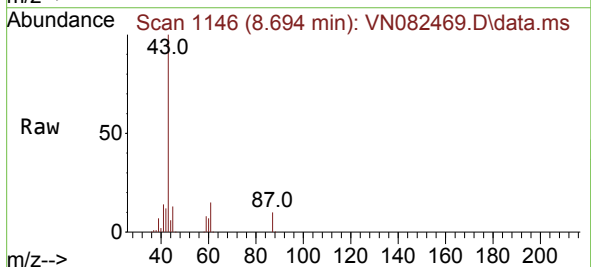
Tgt Ion: 43 Resp: 283671

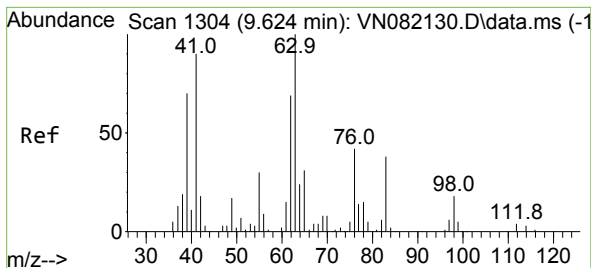
Ion Ratio Lower Upper

43 100

61 10.8 22.8 34.2#

87 6.8 12.0 18.0#





#45

1,2-Dichloropropane

Concen: 0.814 ug/l

RT: 9.741 min Scan# 1324

Delta R.T. 0.118 min

Lab File: VN082469.D

Acq: 05 Jun 2024 14:37

Instrument :

MSVOA_N

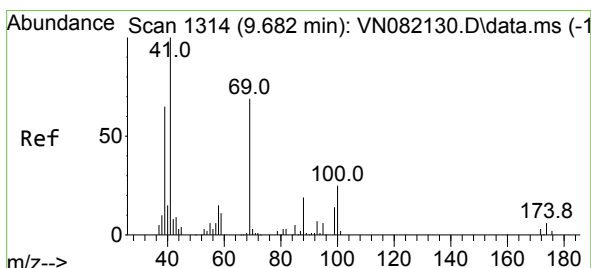
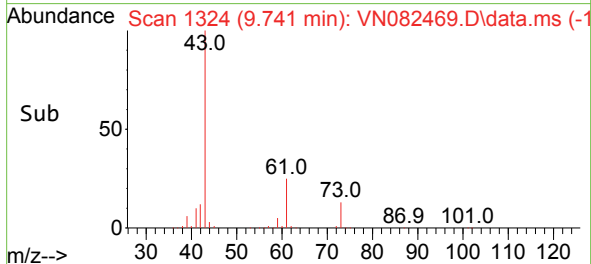
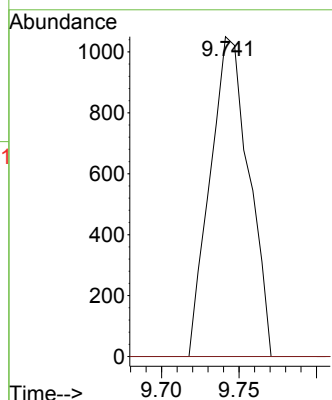
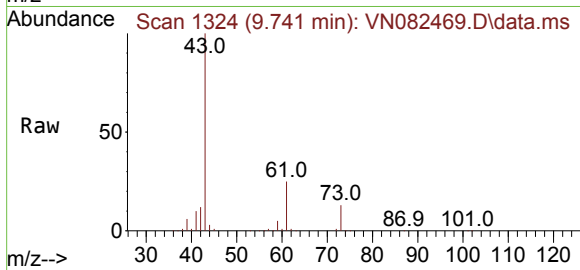
ClientSampleId :

Tgt Ion: 63 Resp: 1824

Ion Ratio Lower Upper

63 100

65 0.0 24.1 36.1#



#48

Methyl methacrylate

Concen: 60.470 ug/l

RT: 9.741 min Scan# 1324

Delta R.T. 0.059 min

Lab File: VN082469.D

Acq: 05 Jun 2024 14:37

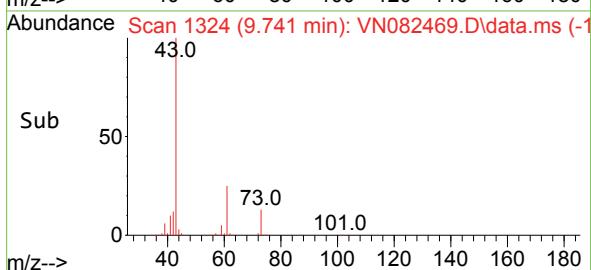
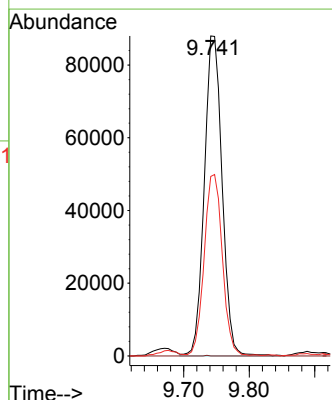
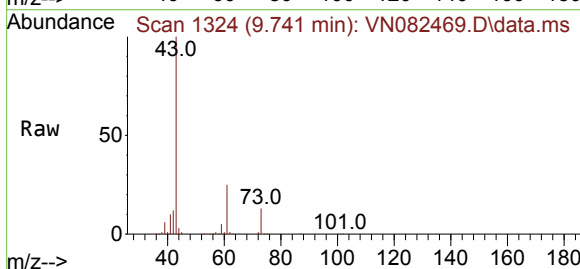
Tgt Ion: 41 Resp: 166375

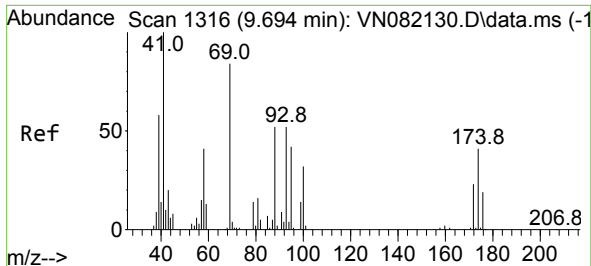
Ion Ratio Lower Upper

41 100

69 0.0 77.9 116.9#

39 57.7 50.9 76.3





#49

1,4-Dioxane

Concen: 4.098 ug/l

RT: 9.753 min Scan# 1

Delta R.T. 0.059 min

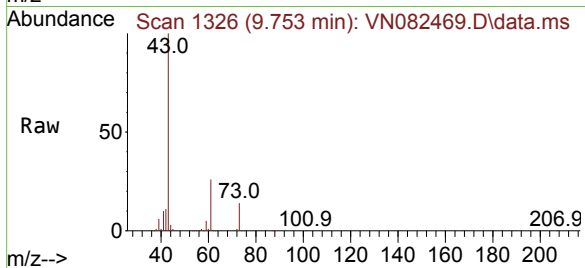
Lab File: VN082469.D

Acq: 05 Jun 2024 14:37

Instrument :

MSVOA_N

ClientSampleId :



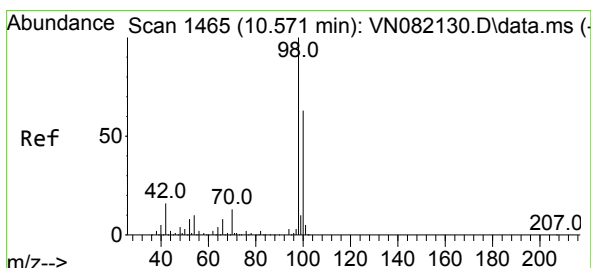
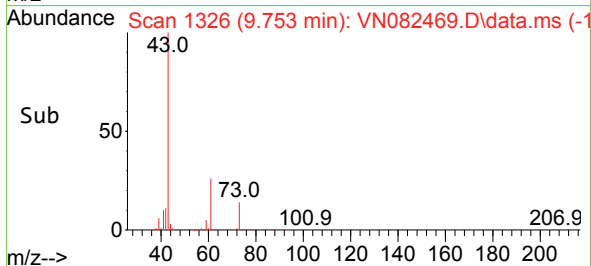
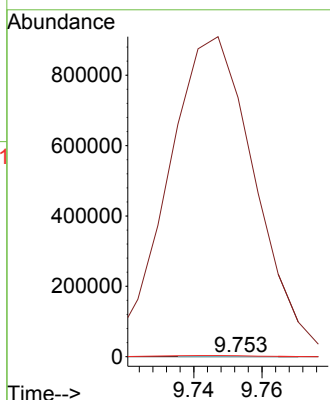
Tgt Ion: 88 Resp: 158

Ion Ratio Lower Upper

88 100

43 1039405.1 19.0 28.6#

58 4212.7 50.6 76.0#



#50

Toluene-d8

Concen: 56.497 ug/l

RT: 10.571 min Scan# 1465

Delta R.T. -0.000 min

Lab File: VN082469.D

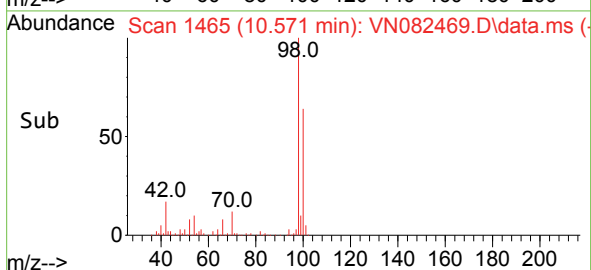
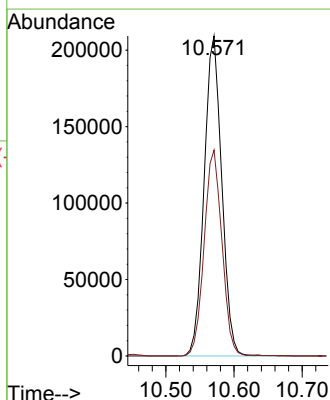
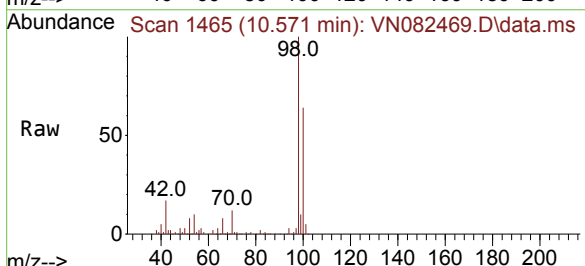
Acq: 05 Jun 2024 14:37

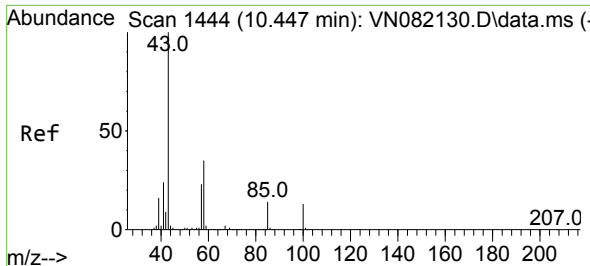
Tgt Ion: 98 Resp: 376060

Ion Ratio Lower Upper

98 100

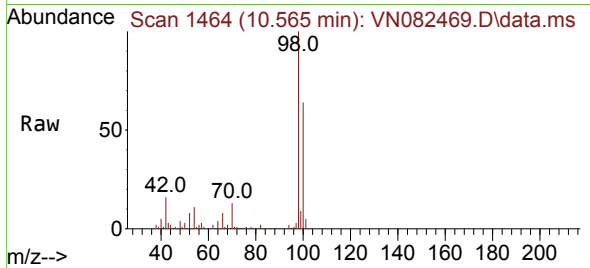
100 65.0 51.8 77.6



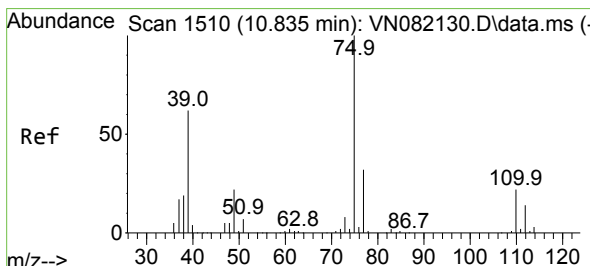
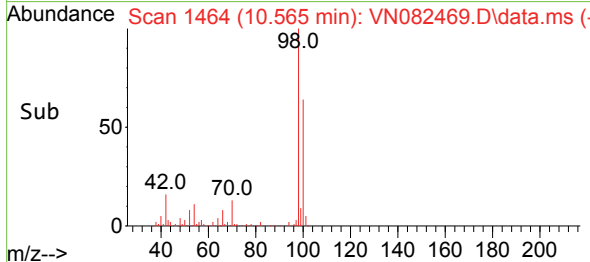
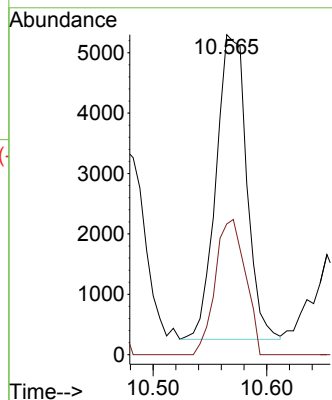


#51
4-Methyl-2-Pentanone
Concen: 2.877 ug/l
RT: 10.565 min Scan# 1464
Delta R.T. 0.118 min
Lab File: VN082469.D
Acq: 05 Jun 2024 14:37

Instrument :
MSVOA_N
ClientSampleId :

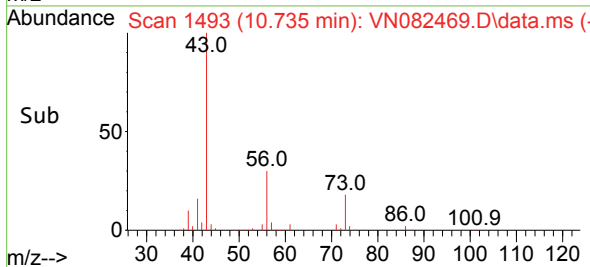
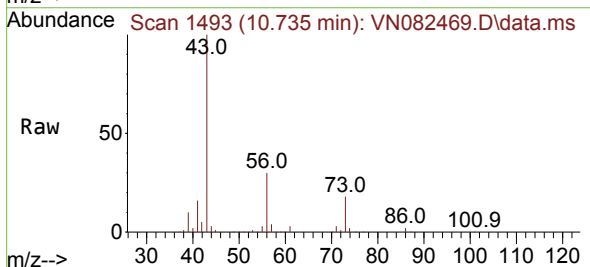
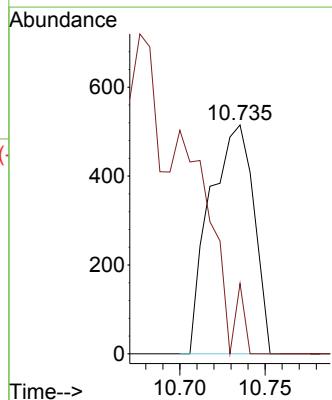


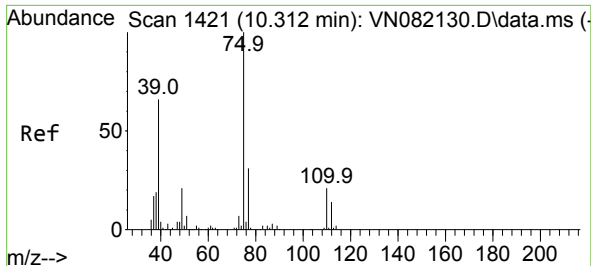
Tgt Ion: 43 Resp: 9440
Ion Ratio Lower Upper
43 100
58 43.7 33.2 49.8



#53
t-1,3-Dichloropropene
Concen: 0.288 ug/l
RT: 10.735 min Scan# 1493
Delta R.T. -0.100 min
Lab File: VN082469.D
Acq: 05 Jun 2024 14:37

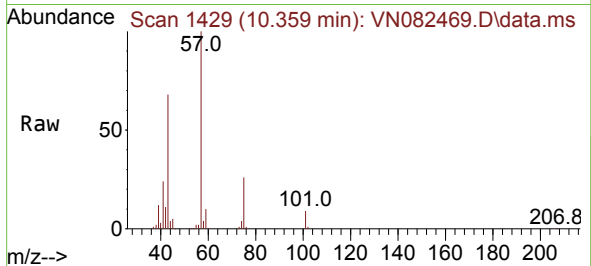
Tgt Ion: 75 Resp: 925
Ion Ratio Lower Upper
75 100
77 30.7 25.4 38.0



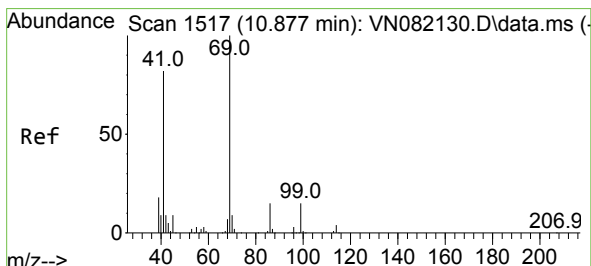
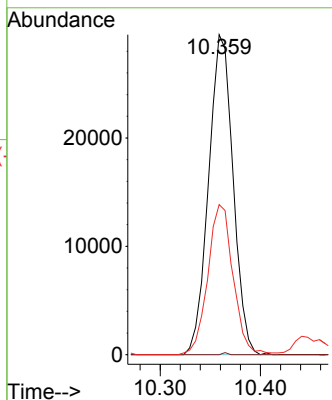
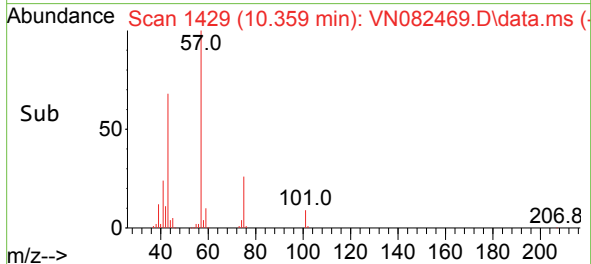


#54
cis-1,3-Dichloropropene
Concen: 14.742 ug/l
RT: 10.359 min Scan# 1429
Delta R.T. 0.047 min
Lab File: VN082469.D
Acq: 05 Jun 2024 14:37

Instrument :
MSVOA_N
ClientSampleId :

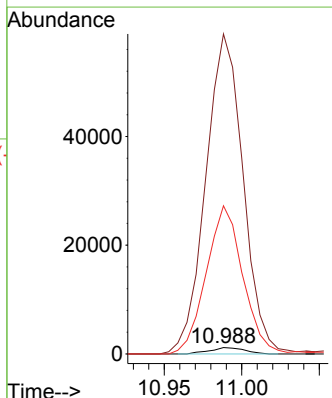
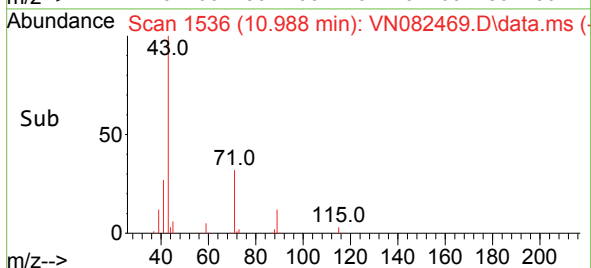
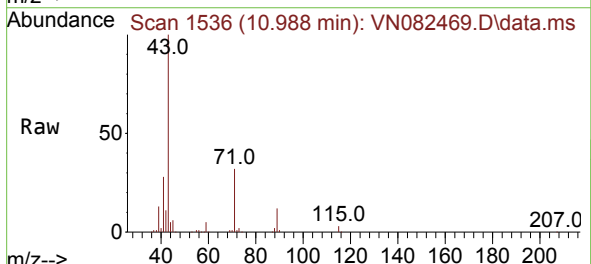


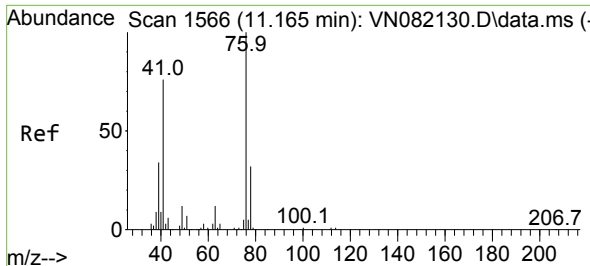
Tgt Ion: 75 Resp: 50111
Ion Ratio Lower Upper
75 100
77 0.0 25.0 37.4#
39 46.4 34.8 52.2



#56
Ethyl methacrylate
Concen: 0.563 ug/l
RT: 10.988 min Scan# 1536
Delta R.T. 0.112 min
Lab File: VN082469.D
Acq: 05 Jun 2024 14:37

Tgt Ion: 69 Resp: 1811
Ion Ratio Lower Upper
69 100
41 5473.7 46.6 70.0#
39 2482.2 26.5 39.7#





#57

1,3-Dichloropropane

Concen: 2.004 ug/l

RT: 11.206 min Scan# 1573

Delta R.T. 0.041 min

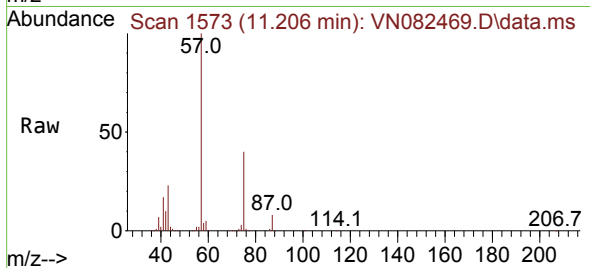
Lab File: VN082469.D

Acq: 05 Jun 2024 14:37

Instrument :

MSVOA_N

ClientSampleId :

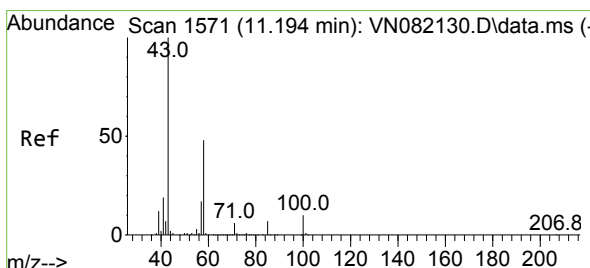
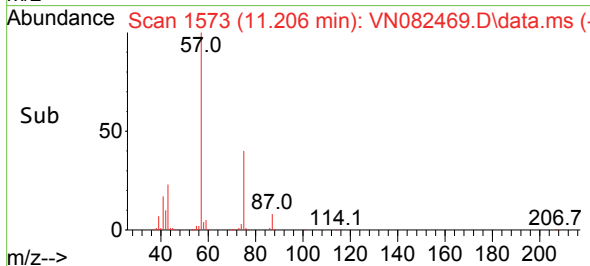
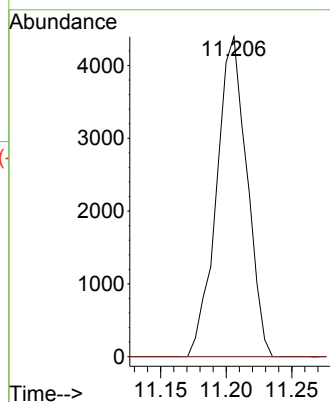


Tgt Ion: 76 Resp: 7096

Ion Ratio Lower Upper

76 100

78 0.0 25.8 38.6#



#59

2-Hexanone

Concen: 48.415 ug/l

RT: 11.200 min Scan# 1572

Delta R.T. 0.006 min

Lab File: VN082469.D

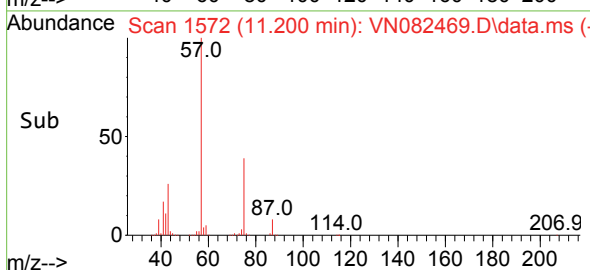
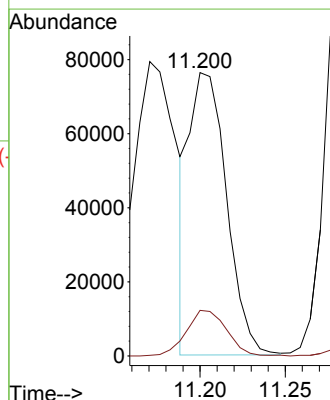
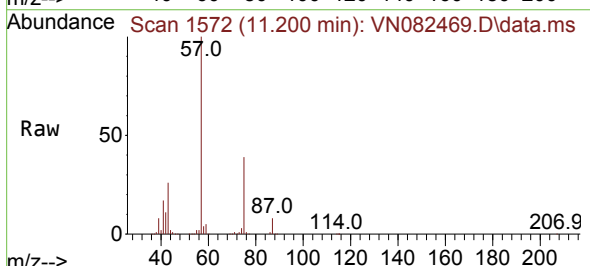
Acq: 05 Jun 2024 14:37

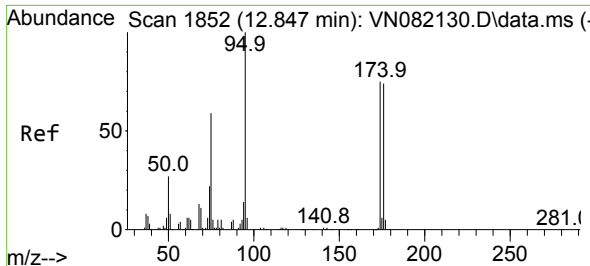
Tgt Ion: 43 Resp: 116299

Ion Ratio Lower Upper

43 100

58 17.5 28.3 84.9#

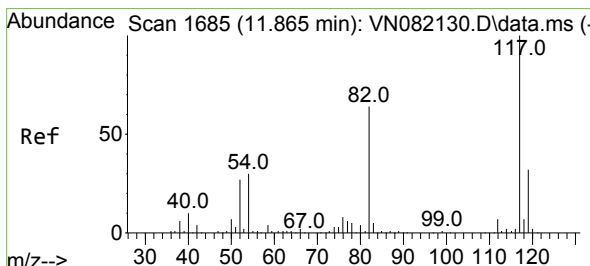
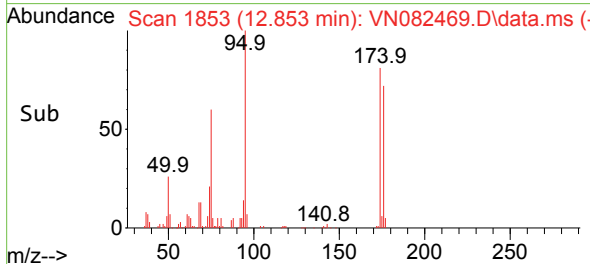
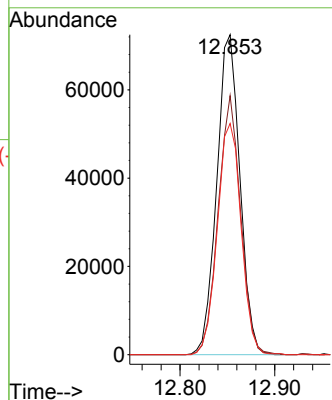
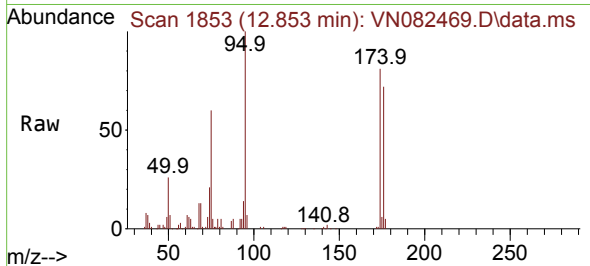




#62
4-Bromofluorobenzene
Concen: 51.887 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. 0.006 min
Lab File: VN082469.D
Acq: 05 Jun 2024 14:37

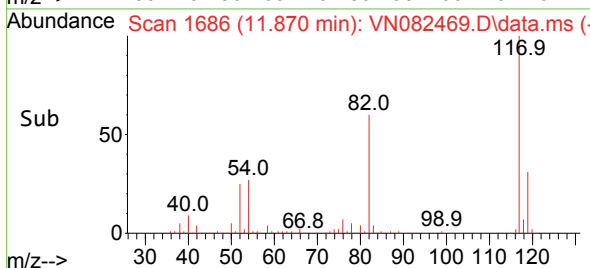
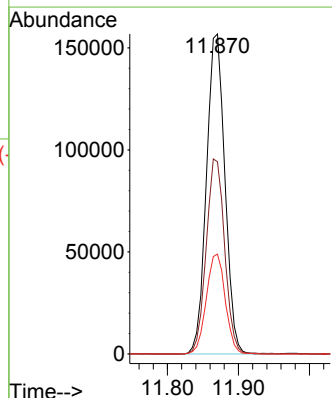
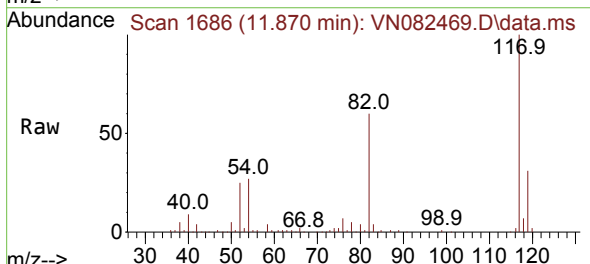
Instrument :
MSVOA_N
ClientSampleId :

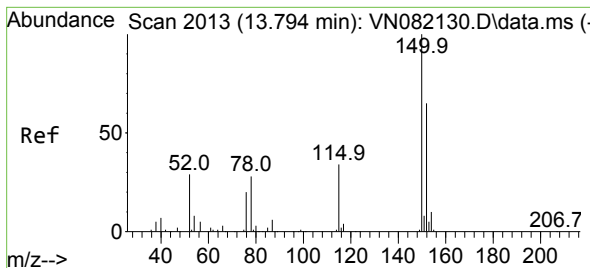
Tgt Ion: 95 Resp: 123273
Ion Ratio Lower Upper
95 100
174 78.8 0.0 160.6
176 74.3 0.0 152.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.870 min Scan# 1686
Delta R.T. 0.006 min
Lab File: VN082469.D
Acq: 05 Jun 2024 14:37

Tgt Ion: 117 Resp: 283503
Ion Ratio Lower Upper
117 100
82 60.0 44.6 66.8
119 31.2 25.9 38.9





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.794 min Scan# 20

Delta R.T. -0.000 min MSVOA_N

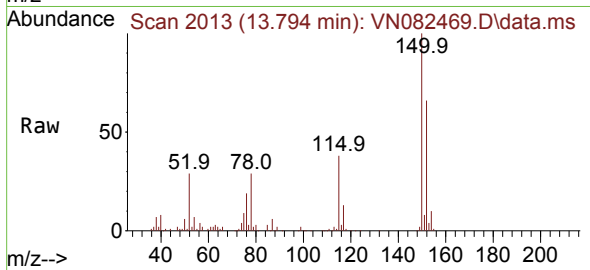
Lab File: VN082469.D

Acq: 05 Jun 2024 14:37

Instrument :

MSVOA_N

ClientSampleId :



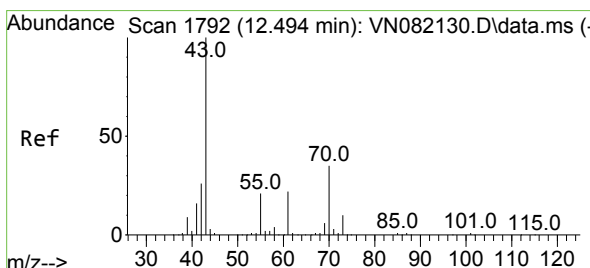
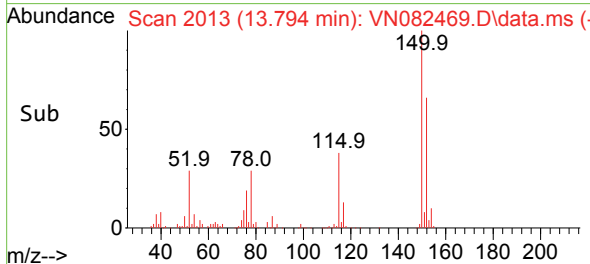
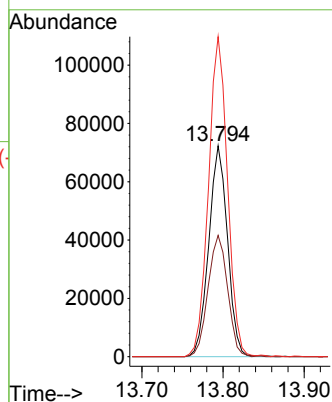
Tgt Ion:152 Resp: 116140

Ion Ratio Lower Upper

152 100

115 59.9 30.4 91.3

150 153.8 0.0 353.2



#74

N-ethyl acetate

Concen: 0.388 ug/l

RT: 12.482 min Scan# 1790

Delta R.T. -0.012 min

Lab File: VN082469.D

Acq: 05 Jun 2024 14:37

Tgt Ion: 43 Resp: 1971

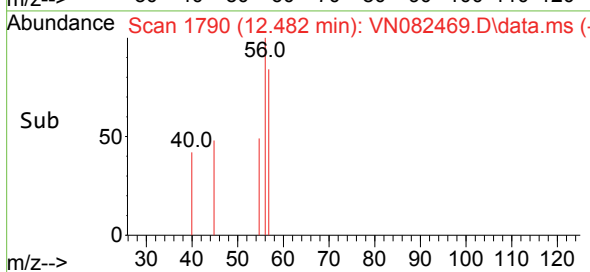
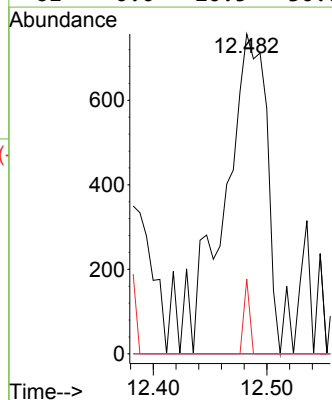
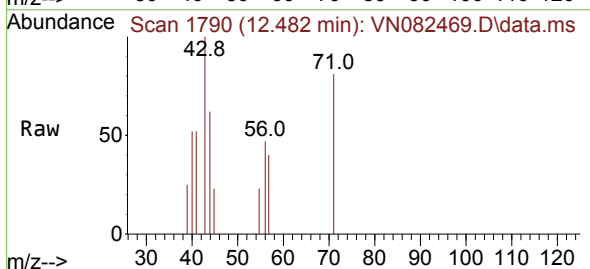
Ion Ratio Lower Upper

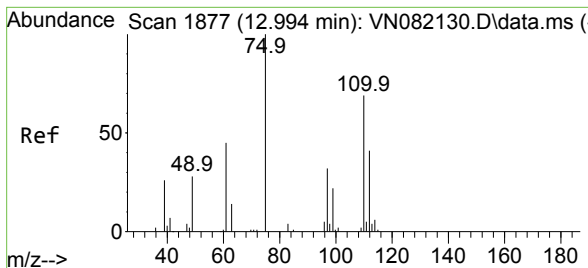
43 100

70 0.0 39.0 58.4#

55 3.1 21.3 31.9#

61 0.0 20.5 30.7#





#76

1,2,3-Trichloropropane

Concen: 29.733 ug/l

RT: 12.853 min Scan# 1853

Delta R.T. -0.141 min

Lab File: VN082469.D

Acq: 05 Jun 2024 14:37

Instrument :

MSVOA_N

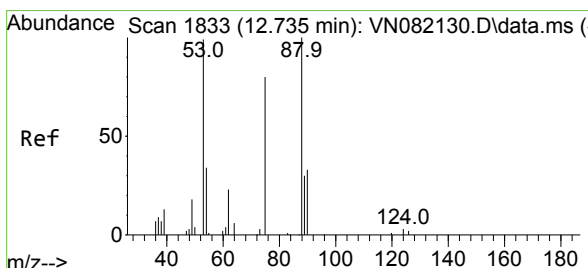
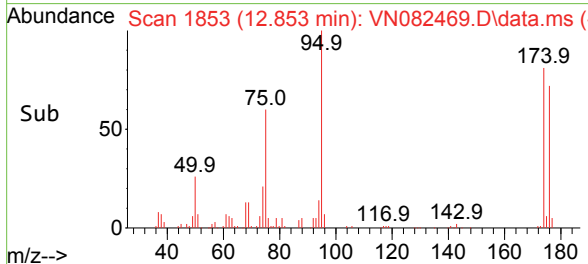
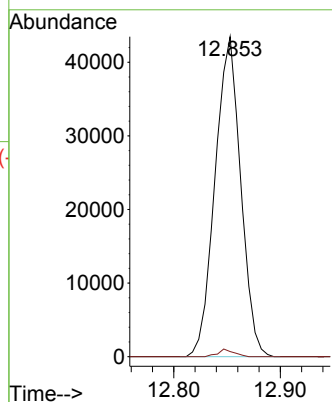
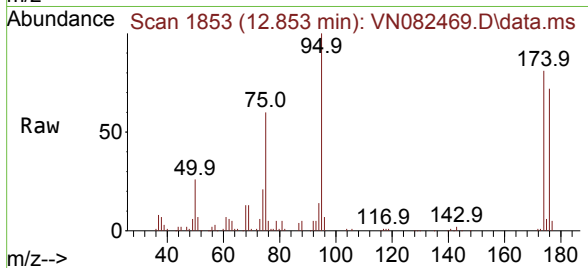
ClientSampleId :

Tgt Ion: 75 Resp: 72681

Ion Ratio Lower Upper

75 100

77 1.5 90.5 271.3#



#81

trans-1,4-Dichloro-2-butene

Concen: 69.544 ug/l

RT: 12.853 min Scan# 1853

Delta R.T. 0.118 min

Lab File: VN082469.D

Acq: 05 Jun 2024 14:37

Tgt Ion: 75 Resp: 72681

Ion Ratio Lower Upper

75 100

53 0.1 72.9 109.3#

89 0.0 39.1 58.7#

