

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN060524\
 Data File : VN082475.D
 Acq On : 05 Jun 2024 17:02
 Operator : JC\MD
 Sample : P2704-04RE
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Jun 06 00:59:33 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)

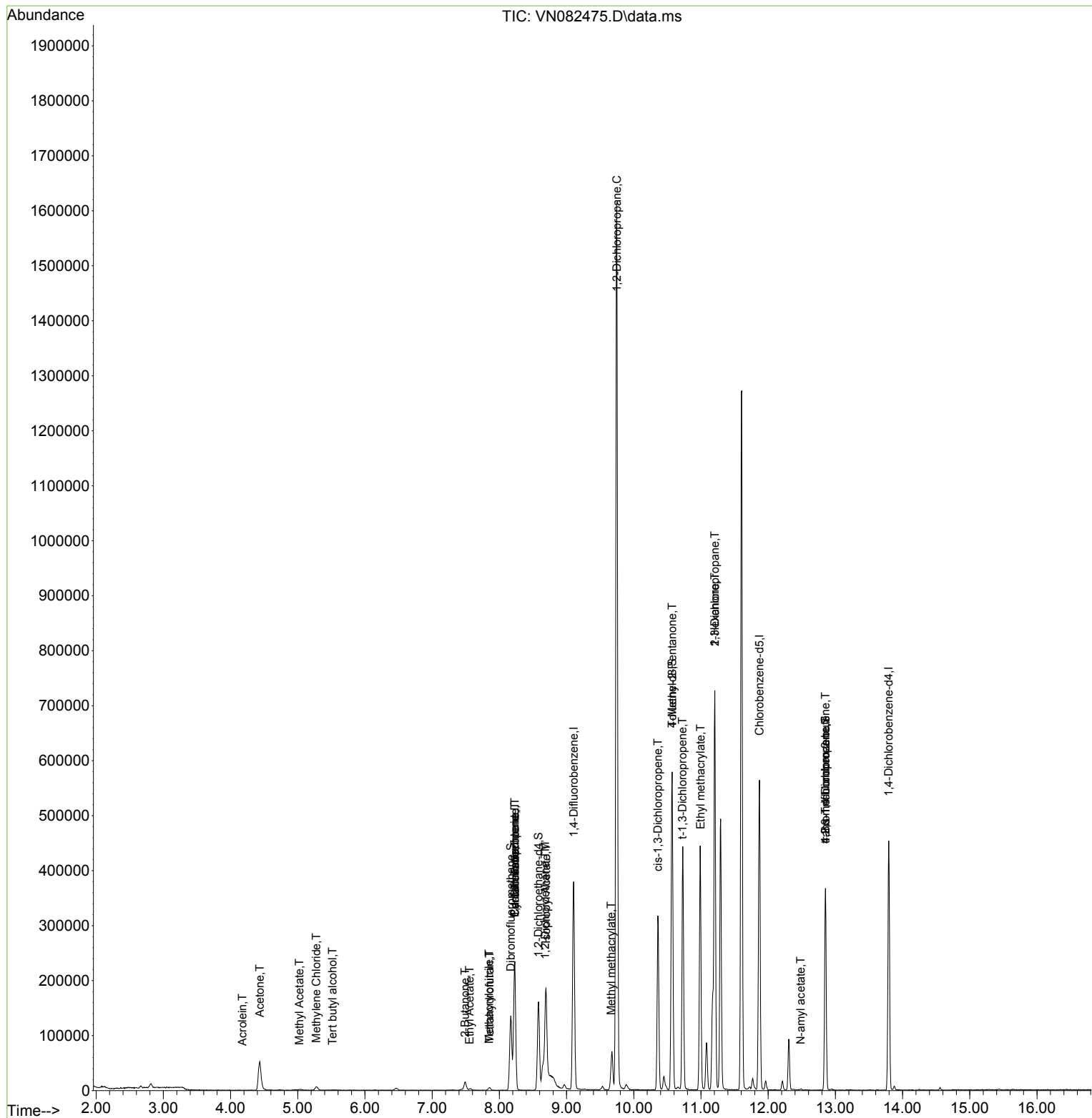
Internal Standards						
1) Pentafluorobenzene	8.229	168	159619	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	295985	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.870	117	296249	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	112691	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.582	65	129092	51.218	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 102.440%			
35) Dibromofluoromethane	8.171	113	94397	51.845	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 103.680%			
50) Toluene-d8	10.570	98	365480	52.356	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 104.720%			
62) 4-Bromofluorobenzene	12.853	95	116985	46.952	ug/l	0.00
Spiked Amount 50.000	Range 64 - 133		Recovery = 93.900%			
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	5.518	59	286	0.707	ug/l #	71
13) Acrolein	4.177	56	66	0.220	ug/l #	15
16) Acetone	4.436	43	100751	97.445	ug/l	91
18) Methyl Acetate	5.024	43	1531	0.595	ug/l #	47
20) Methylene Chloride	5.277	84	4390	2.104	ug/l #	82
25) 2-Butanone	7.488	43	25210	16.082	ug/l	92
29) Tetrahydrofuran	7.853	42	3788	3.764	ug/l #	75
31) Cyclohexane	8.229	56	4697	1.167	ug/l #	22
36) 1,1-Dichloropropene	8.229	75	14540	4.761	ug/l #	49
37) Ethyl Acetate	7.559	43	4894	1.432	ug/l #	86
38) Carbon Tetrachloride	8.229	117	17252	5.573	ug/l #	19
41) Methacrylonitrile	7.847	41	2161	1.075	ug/l #	41
42) 1,2-Dichloroethane	8.682	62	1101	0.314	ug/l #	73
43) Isopropyl Acetate	8.694	43	268521	44.343	ug/l #	73
45) 1,2-Dichloropropane	9.747	63	1894	0.806	ug/l #	45
48) Methyl methacrylate	9.665	41	5123	1.775	ug/l #	38
51) 4-Methyl-2-Pentanone	10.570	43	8202	2.384	ug/l	89
53) t-1,3-Dichloropropene	10.723	75	820	0.243	ug/l #	71
54) cis-1,3-Dichloropropene	10.359	75	48246	13.534	ug/l #	75
56) Ethyl methacrylate	10.994	69	1765	0.523	ug/l #	1
57) 1,3-Dichloropropane	11.206	76	6887	1.855	ug/l #	42
59) 2-Hexanone	11.206	43	110136	43.719	ug/l #	48
74) N-amyl acetate	12.482	43	1334	0.271	ug/l #	45
76) 1,2,3-Trichloropropane	12.853	75	68473	28.869	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.853	75	68473	67.523	ug/l #	12

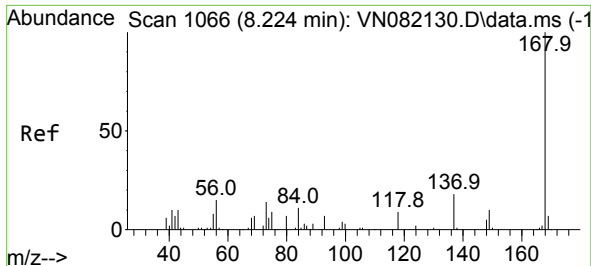
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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ClientSampleId :

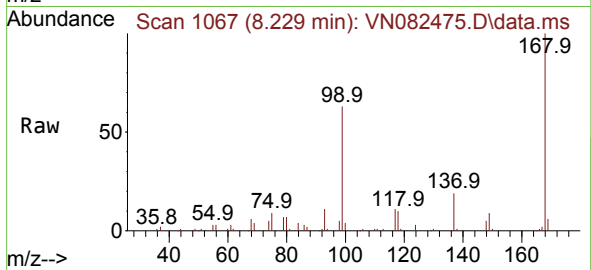
Quant Time: Jun 06 00:59:33 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N051524W.M
Quant Title : SW846 8260
QLast Update : Thu May 16 05:21:06 2024
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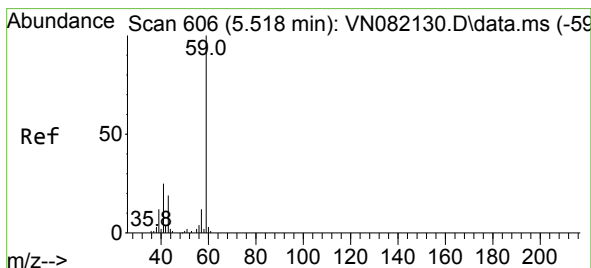
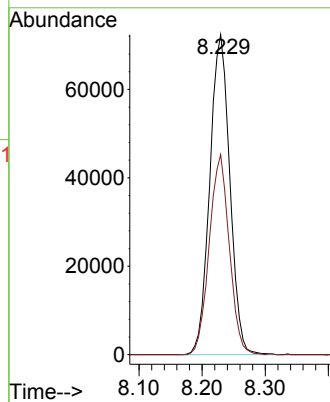
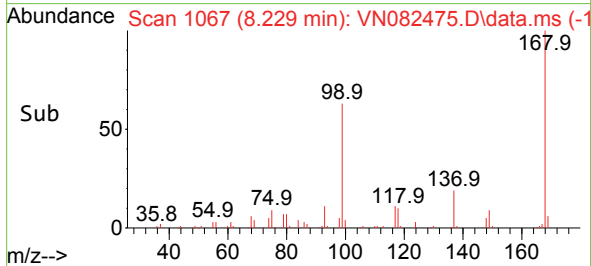


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.229 min Scan# 1066
Delta R.T. 0.005 min
Lab File: VN082475.D
Acq: 05 Jun 2024 17:02

Instrument :
MSVOA_N
ClientSampleId :

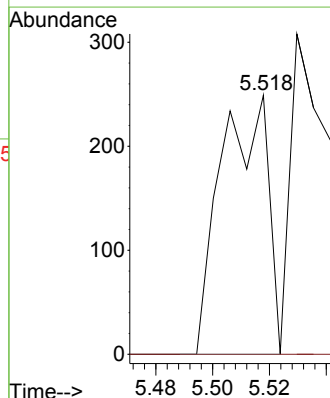
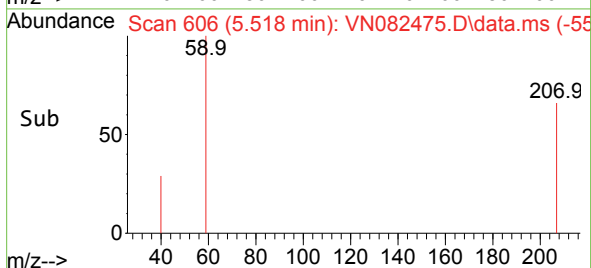
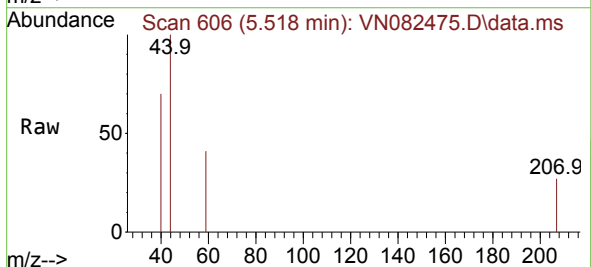


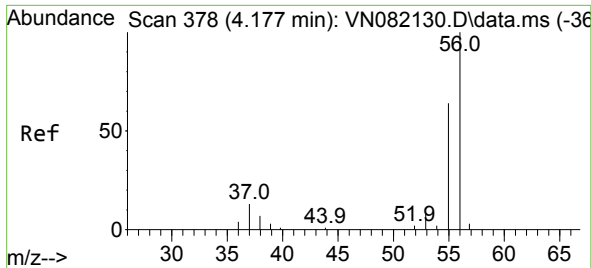
Tgt Ion:168 Resp: 159619
Ion Ratio Lower Upper
168 100
99 62.6 48.2 72.4



#11
Tert butyl alcohol
Concen: 0.707 ug/l
RT: 5.518 min Scan# 606
Delta R.T. -0.000 min
Lab File: VN082475.D
Acq: 05 Jun 2024 17:02

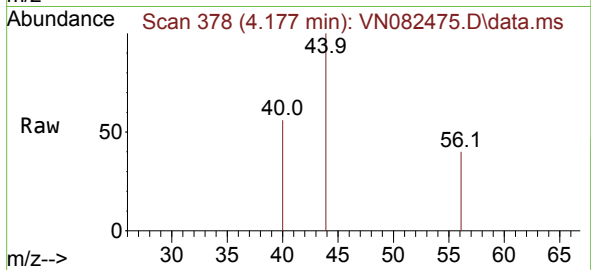
Tgt Ion: 59 Resp: 286
Ion Ratio Lower Upper
59 100
57 0.0 8.9 13.3#



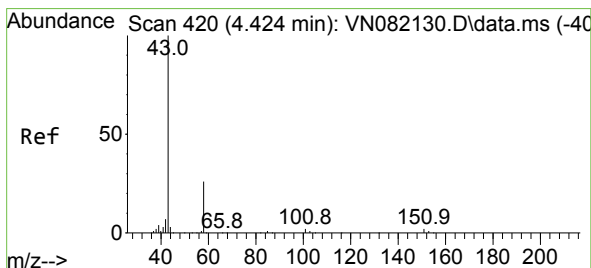
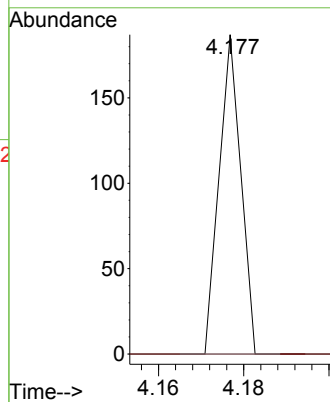
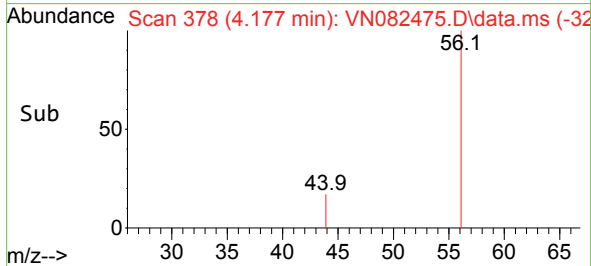


#13
Acrolein
Concen: 0.220 ug/l
RT: 4.177 min Scan# 31
Delta R.T. -0.000 min
Lab File: VN082475.D
Acq: 05 Jun 2024 17:02

Instrument :
MSVOA_N
ClientSampleId :

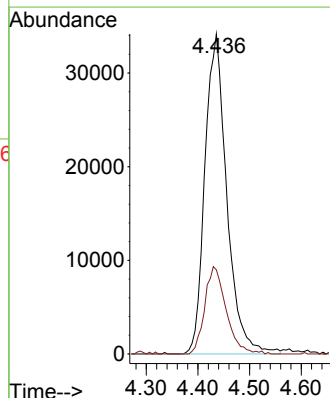
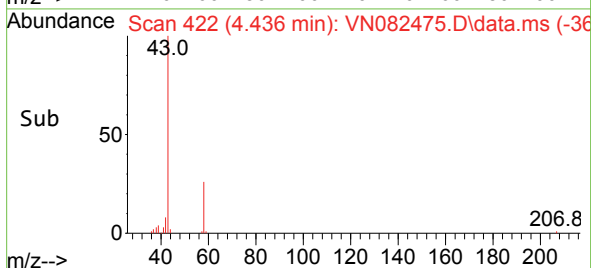
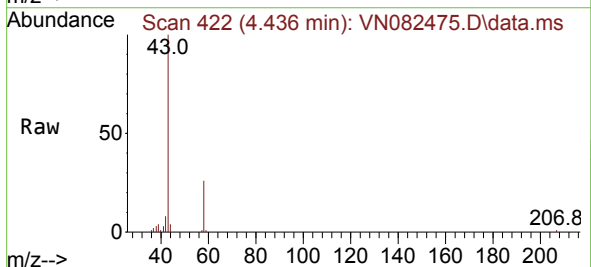


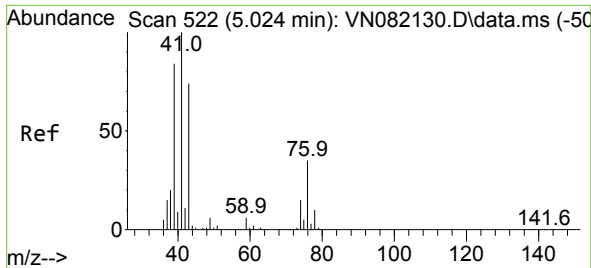
Tgt Ion: 56 Resp: 66
Ion Ratio Lower Upper
56 100
55 0.0 55.8 83.8#



#16
Acetone
Concen: 97.445 ug/l
RT: 4.436 min Scan# 422
Delta R.T. 0.012 min
Lab File: VN082475.D
Acq: 05 Jun 2024 17:02

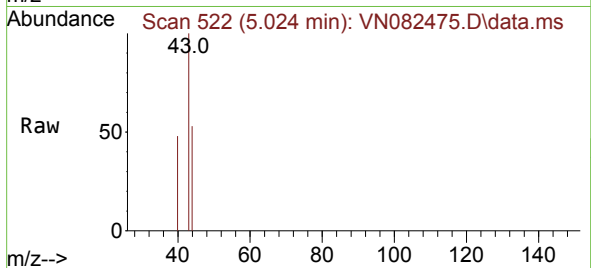
Tgt Ion: 43 Resp: 100751
Ion Ratio Lower Upper
43 100
58 26.3 25.2 37.8



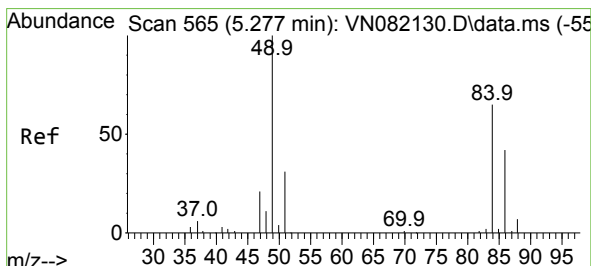
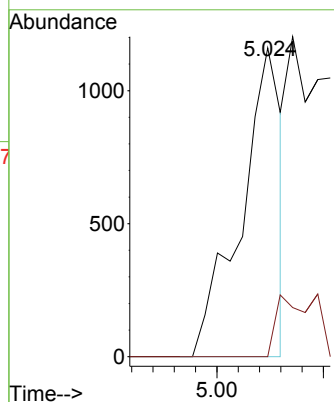
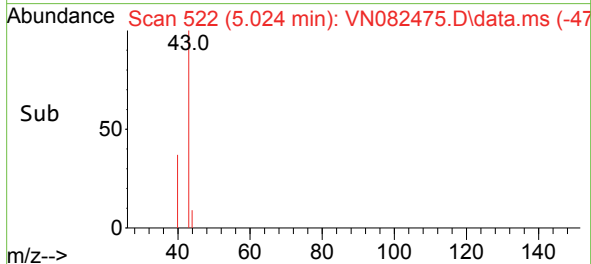


#18
Methyl Acetate
Concen: 0.595 ug/l
RT: 5.024 min Scan# 51
Delta R.T. -0.000 min
Lab File: VN082475.D
Acq: 05 Jun 2024 17:02

Instrument :
MSVOA_N
ClientSampleId :

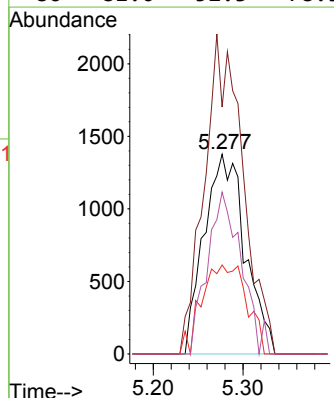
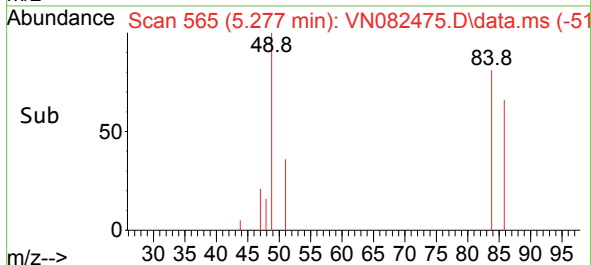
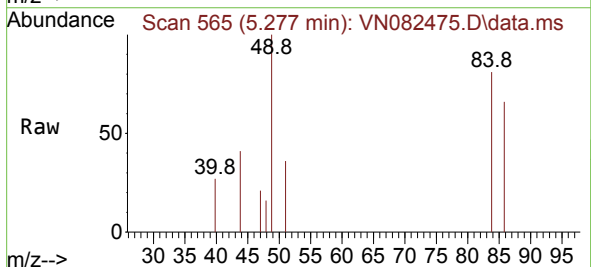


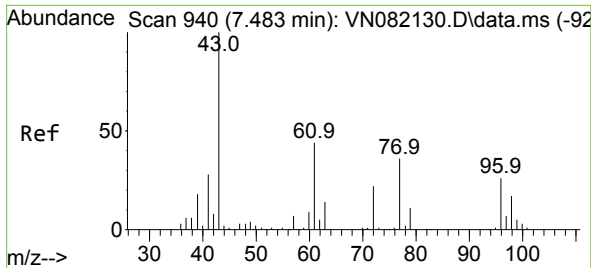
Tgt Ion: 43 Resp: 1531
Ion Ratio Lower Upper
43 100
74 0.0 22.2 33.2#



#20
Methylene Chloride
Concen: 2.104 ug/l
RT: 5.277 min Scan# 565
Delta R.T. -0.000 min
Lab File: VN082475.D
Acq: 05 Jun 2024 17:02

Tgt Ion: 84 Resp: 4390
Ion Ratio Lower Upper
84 100
49 123.6 84.9 127.3
51 44.5 27.0 40.6#
86 81.0 52.3 78.5#

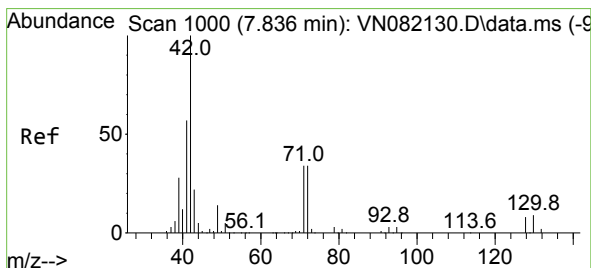
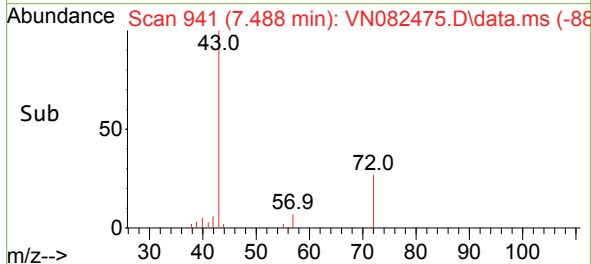
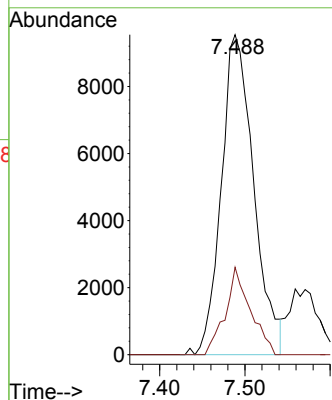
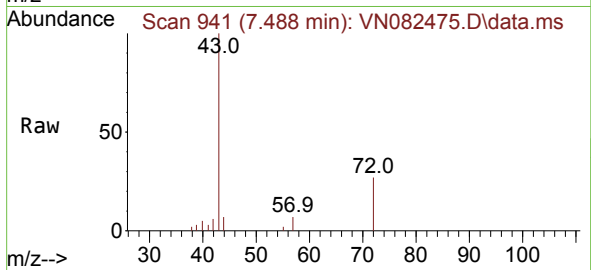




#25
2-Butanone
Concen: 16.082 ug/l
RT: 7.488 min Scan# 941
Delta R.T. 0.006 min
Lab File: VN082475.D
Acq: 05 Jun 2024 17:02

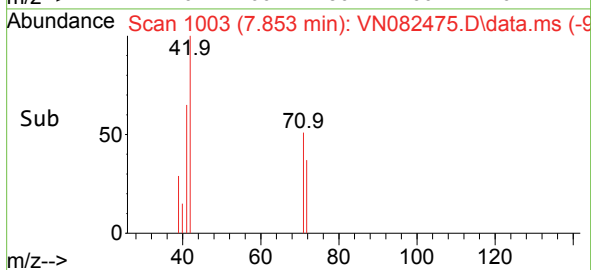
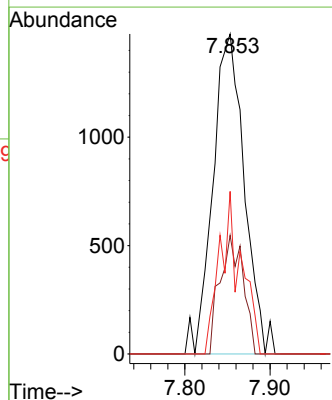
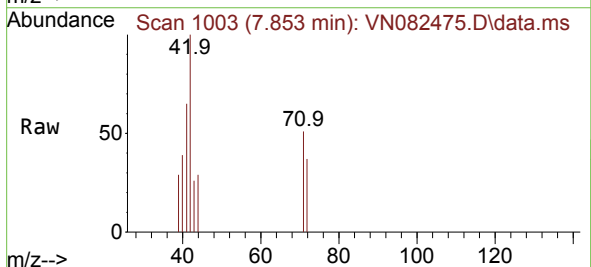
Instrument :
MSVOA_N
ClientSampleId :

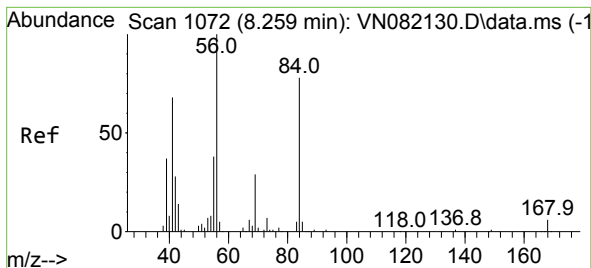
Tgt Ion: 43 Resp: 25210
Ion Ratio Lower Upper
43 100
72 27.3 25.3 37.9



#29
Tetrahydrofuran
Concen: 3.764 ug/l
RT: 7.853 min Scan# 1003
Delta R.T. 0.017 min
Lab File: VN082475.D
Acq: 05 Jun 2024 17:02

Tgt Ion: 42 Resp: 3788
Ion Ratio Lower Upper
42 100
72 27.4 39.3 58.9#
71 35.1 37.4 56.0#





#31

Cyclohexane

Concen: 1.167 ug/l

RT: 8.229 min Scan# 1067

Delta R.T. -0.030 min

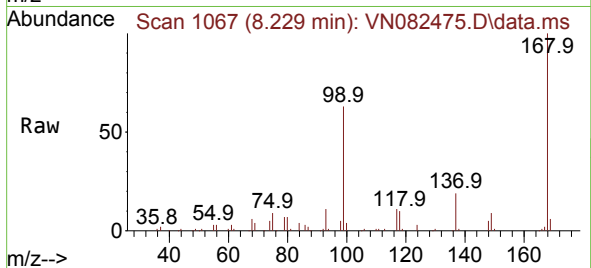
Lab File: VN082475.D

Acq: 05 Jun 2024 17:02

Instrument :

MSVOA_N

ClientSampleId :



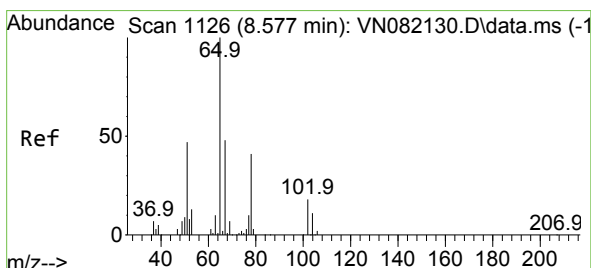
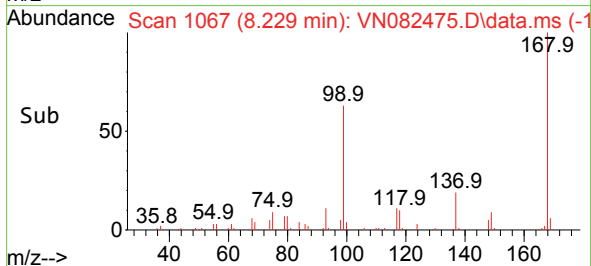
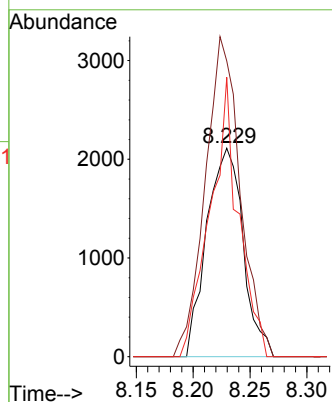
Tgt Ion: 56 Resp: 4697

Ion Ratio Lower Upper

56 100

69 141.8 24.4 36.6#

84 134.0 77.0 115.4#



#33

1,2-Dichloroethane-d4

Concen: 51.218 ug/l

RT: 8.582 min Scan# 1127

Delta R.T. 0.006 min

Lab File: VN082475.D

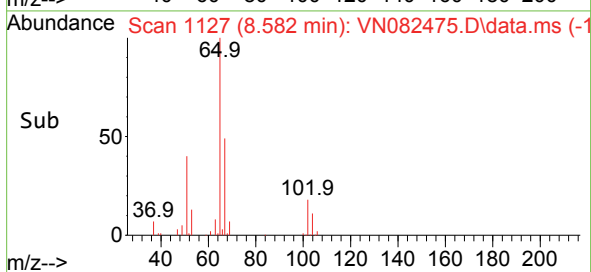
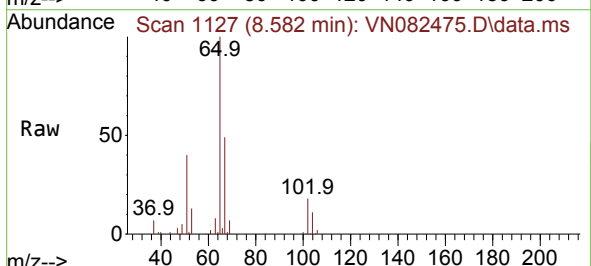
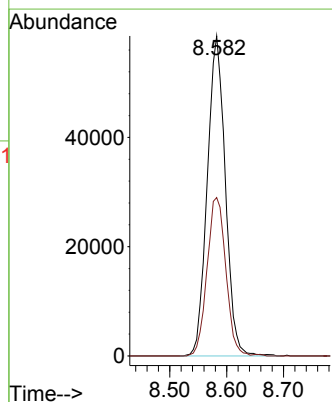
Acq: 05 Jun 2024 17:02

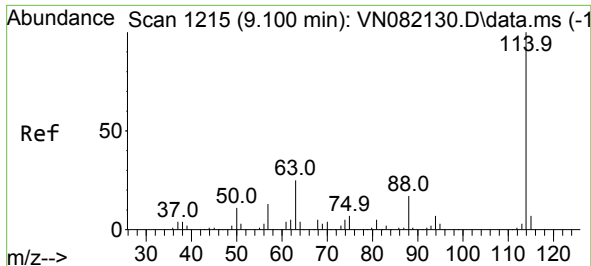
Tgt Ion: 65 Resp: 129092

Ion Ratio Lower Upper

65 100

67 51.4 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: VN082475.D

Acq: 05 Jun 2024 17:02

Instrument :

MSVOA_N

ClientSampleId :

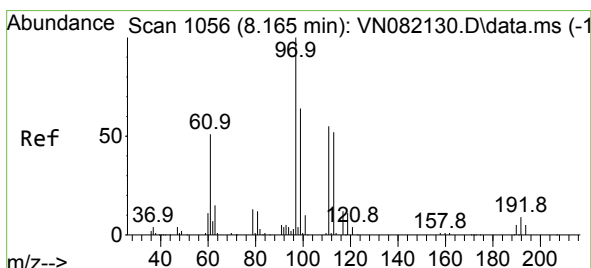
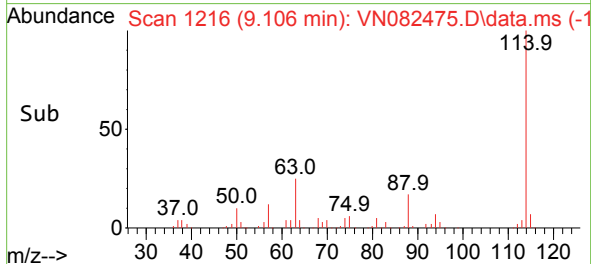
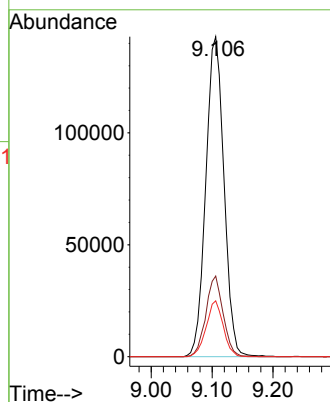
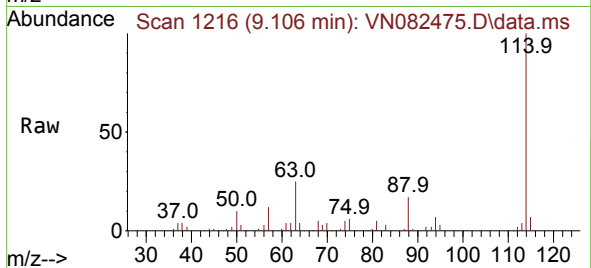
Tgt Ion:114 Resp: 295985

Ion Ratio Lower Upper

114 100

63 25.2 0.0 41.0

88 17.4 0.0 31.4



#35

Dibromofluoromethane

Concen: 51.845 ug/l

RT: 8.171 min Scan# 1057

Delta R.T. 0.006 min

Lab File: VN082475.D

Acq: 05 Jun 2024 17:02

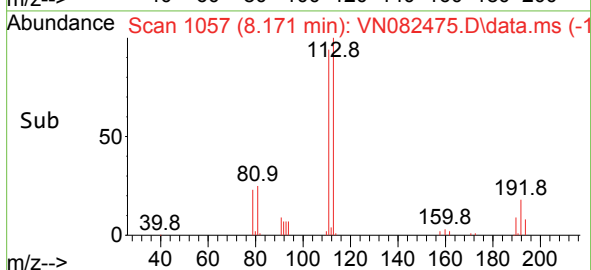
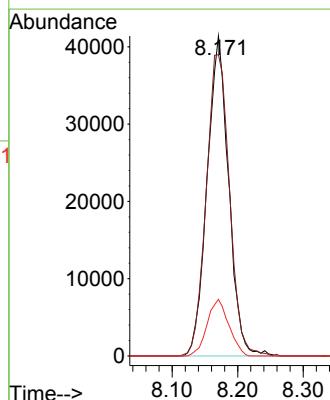
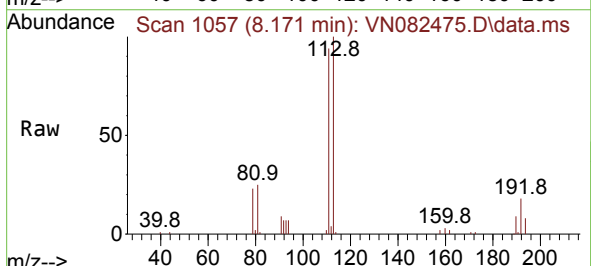
Tgt Ion:113 Resp: 94397

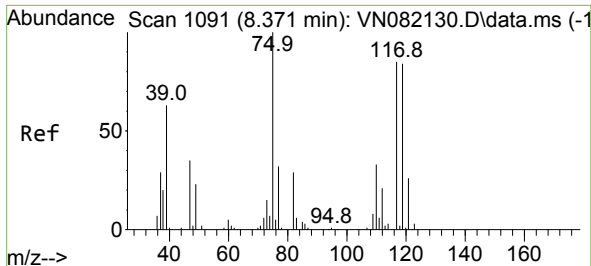
Ion Ratio Lower Upper

113 100

111 102.0 83.4 125.2

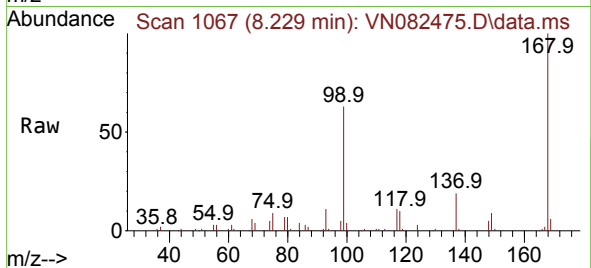
192 17.9 14.0 21.0



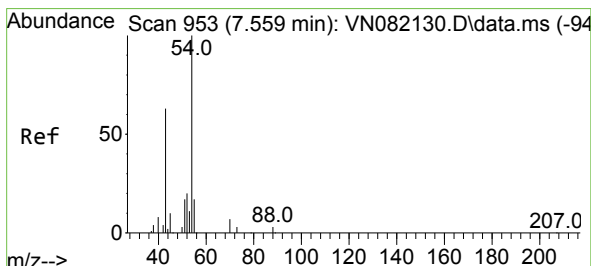
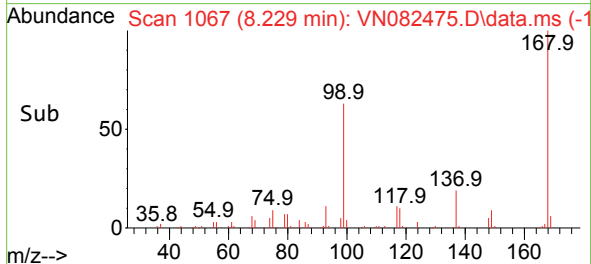
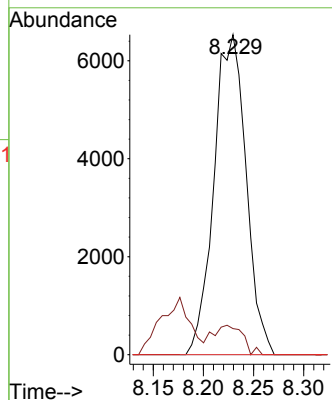


#36
1,1-Dichloropropene
Concen: 4.761 ug/l
RT: 8.229 min Scan# 1067
Delta R.T. -0.141 min
Lab File: VN082475.D
Acq: 05 Jun 2024 17:02

Instrument :
MSVOA_N
ClientSampleId :

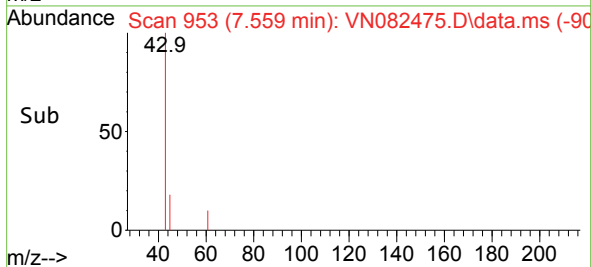
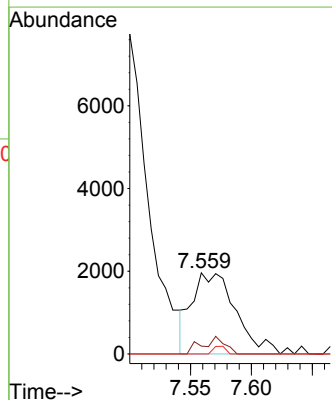
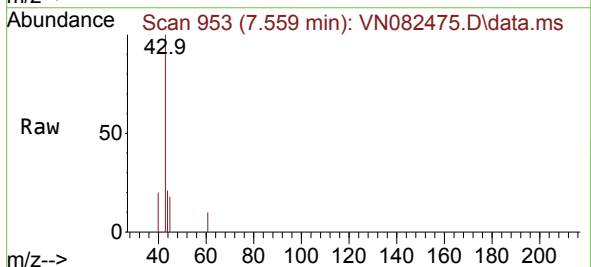


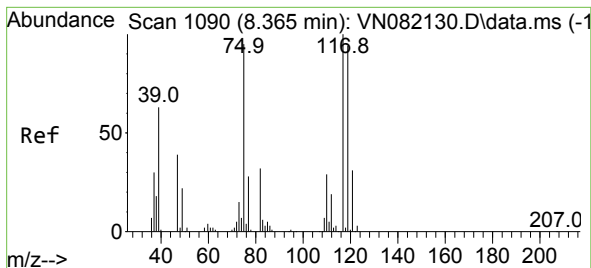
Tgt Ion: 75 Resp: 14540
Ion Ratio Lower Upper
75 100
110 8.7 17.8 53.5#
77 0.0 25.0 37.4#



#37
Ethyl Acetate
Concen: 1.432 ug/l
RT: 7.559 min Scan# 953
Delta R.T. -0.000 min
Lab File: VN082475.D
Acq: 05 Jun 2024 17:02

Tgt Ion: 43 Resp: 4894
Ion Ratio Lower Upper
43 100
61 10.9 11.3 16.9#
70 2.7 8.7 13.1#





#38

Carbon Tetrachloride

Concen: 5.573 ug/l

RT: 8.229 min Scan# 1067

Delta R.T. -0.135 min

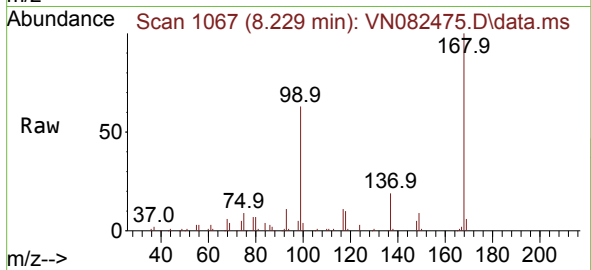
Lab File: VN082475.D

Acq: 05 Jun 2024 17:02

Instrument :

MSVOA_N

ClientSampleId :



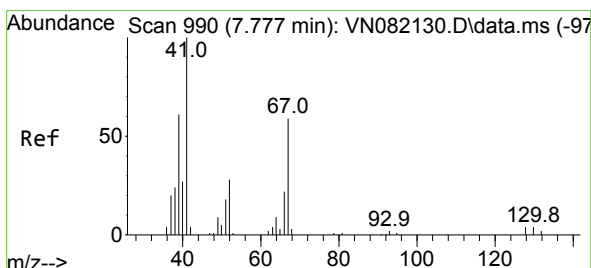
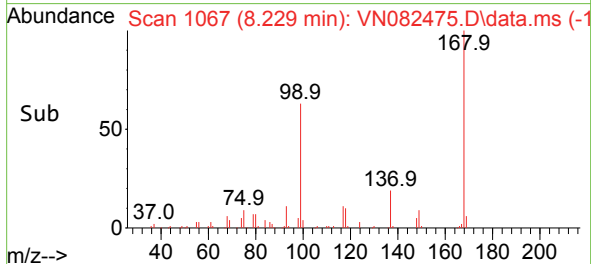
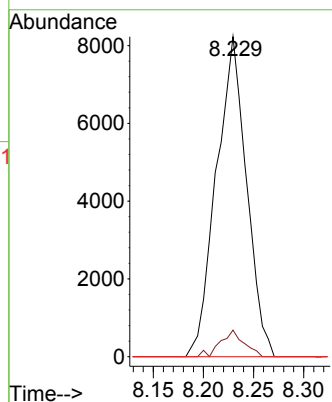
Tgt Ion:117 Resp: 17252

Ion Ratio Lower Upper

117 100

119 8.3 76.5 114.7#

121 0.0 23.9 35.9#



#41

Methacrylonitrile

Concen: 1.075 ug/l

RT: 7.847 min Scan# 1002

Delta R.T. 0.070 min

Lab File: VN082475.D

Acq: 05 Jun 2024 17:02

Tgt Ion: 41 Resp: 2161

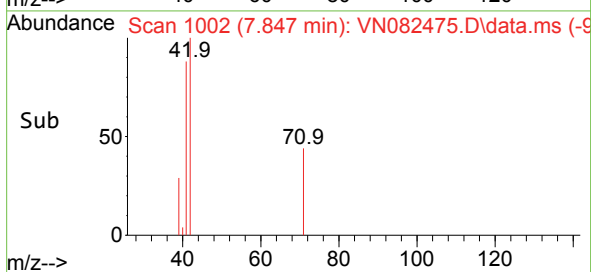
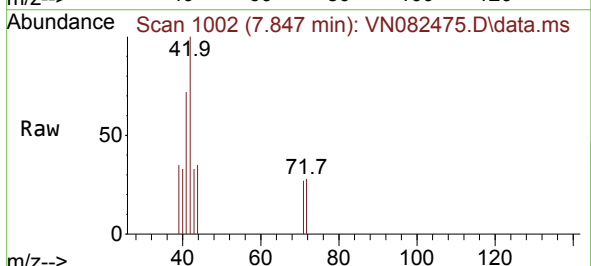
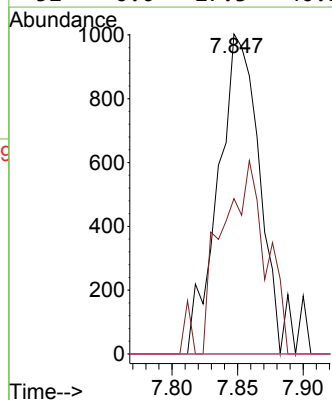
Ion Ratio Lower Upper

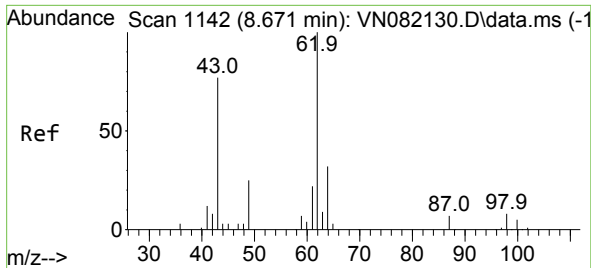
41 100

39 65.1 46.6 69.8

67 0.0 67.3 100.9#

52 0.0 27.3 40.9#





#42

1,2-Dichloroethane

Concen: 0.314 ug/l

RT: 8.682 min Scan# 1144

Delta R.T. 0.012 min

Lab File: VN082475.D

Acq: 05 Jun 2024 17:02

Instrument :

MSVOA_N

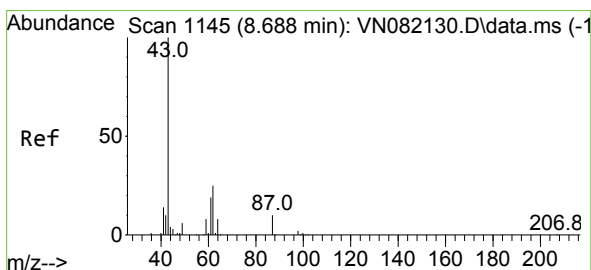
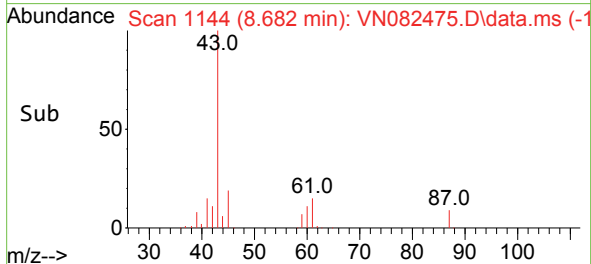
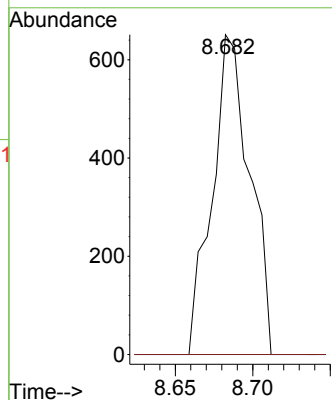
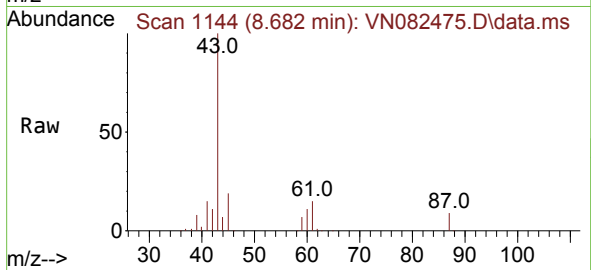
ClientSampleId :

Tgt Ion: 62 Resp: 1101

Ion Ratio Lower Upper

62 100

98 0.0 0.0 19.6



#43

Isopropyl Acetate

Concen: 44.343 ug/l

RT: 8.694 min Scan# 1146

Delta R.T. 0.006 min

Lab File: VN082475.D

Acq: 05 Jun 2024 17:02

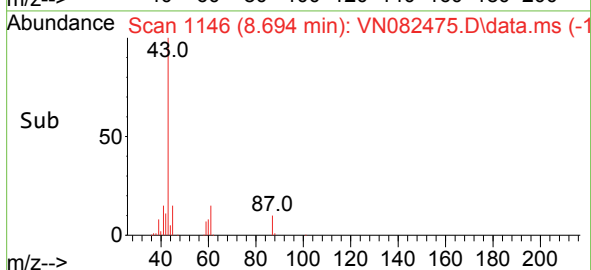
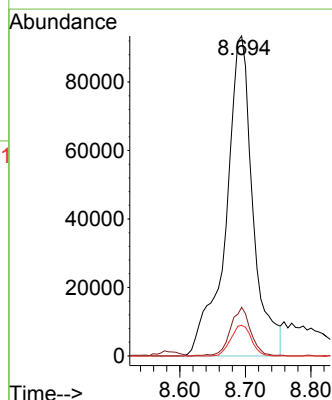
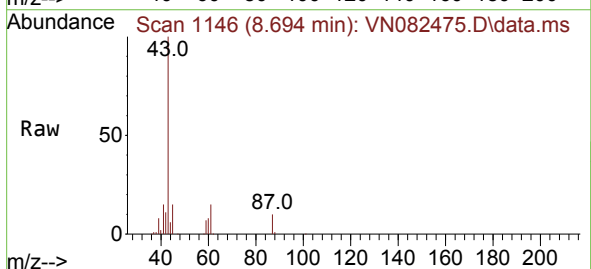
Tgt Ion: 43 Resp: 268521

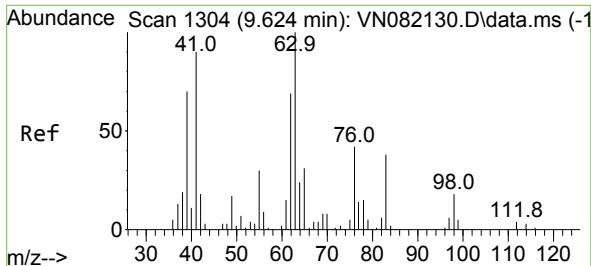
Ion Ratio Lower Upper

43 100

61 11.5 22.8 34.2#

87 7.3 12.0 18.0#





#45

1,2-Dichloropropane

Concen: 0.806 ug/l

RT: 9.747 min Scan# 11

Delta R.T. 0.123 min

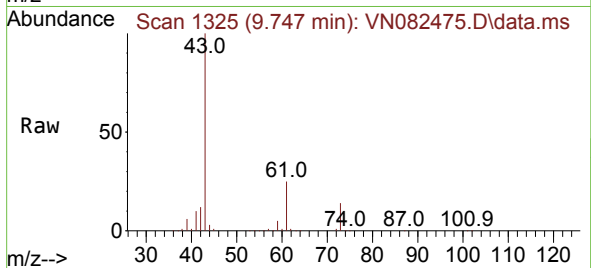
Lab File: VN082475.D

Acq: 05 Jun 2024 17:02

Instrument :

MSVOA_N

ClientSampleId :

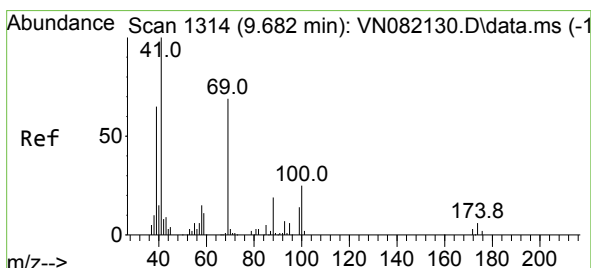
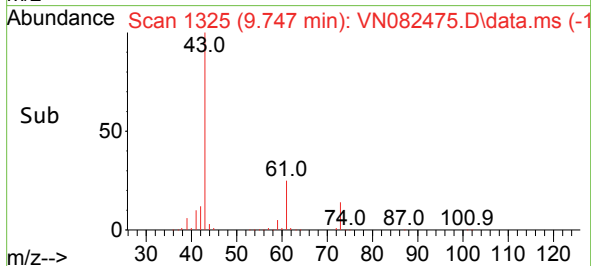
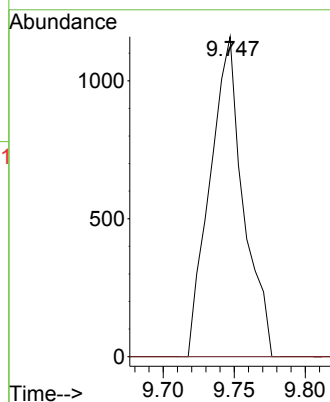


Tgt Ion: 63 Resp: 1894

Ion Ratio Lower Upper

63 100

65 0.0 24.1 36.1#



#48

Methyl methacrylate

Concen: 1.775 ug/l

RT: 9.665 min Scan# 1311

Delta R.T. -0.018 min

Lab File: VN082475.D

Acq: 05 Jun 2024 17:02

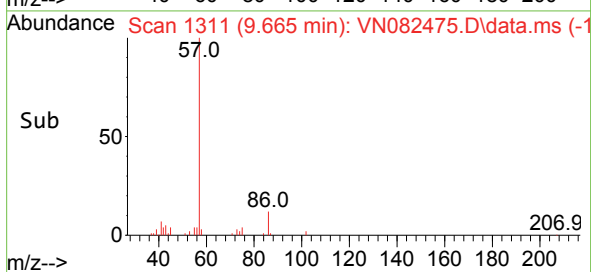
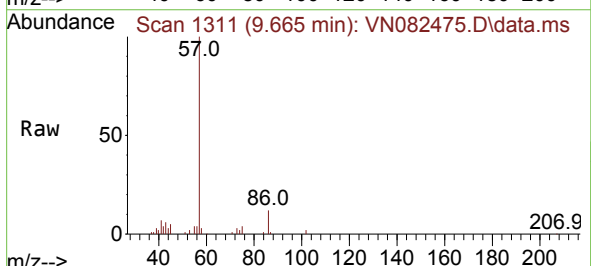
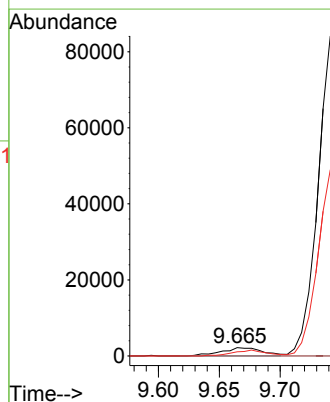
Tgt Ion: 41 Resp: 5123

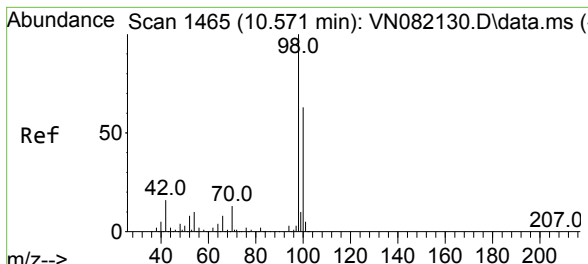
Ion Ratio Lower Upper

41 100

69 0.0 77.9 116.9#

39 59.3 50.9 76.3

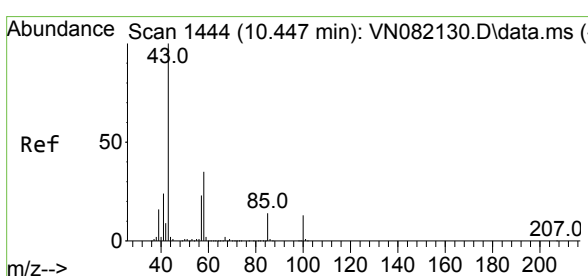
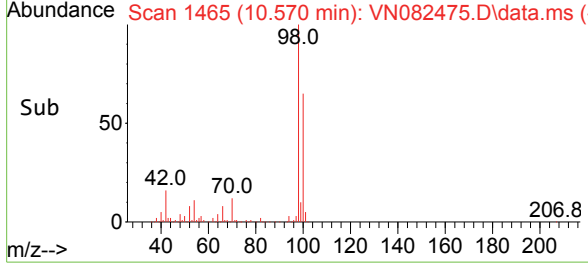
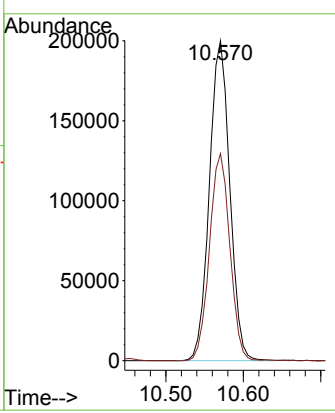
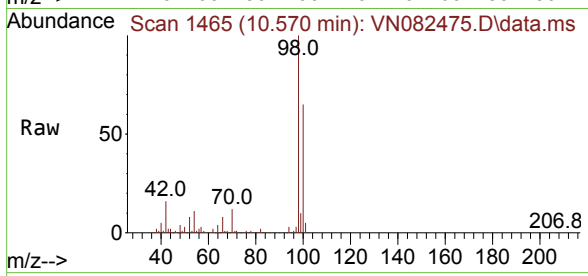




#50
Toluene-d8
Concen: 52.356 ug/l
RT: 10.570 min Scan# 1465
Delta R.T. -0.000 min
Lab File: VN082475.D
Acq: 05 Jun 2024 17:02

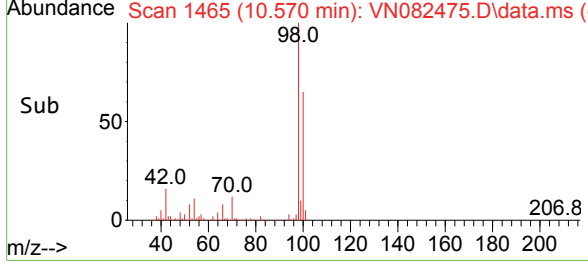
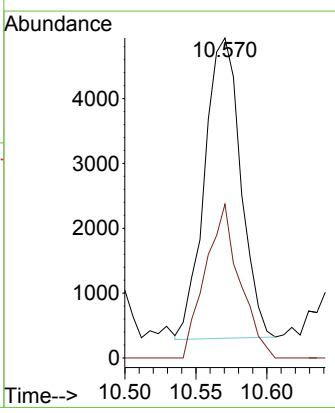
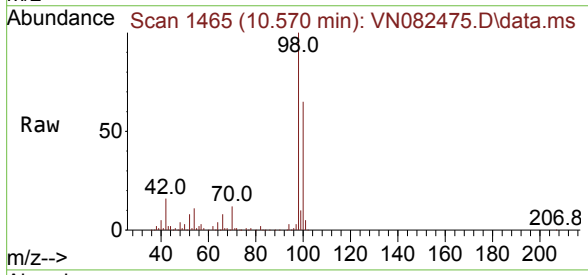
Instrument :
MSVOA_N
ClientSampleId :

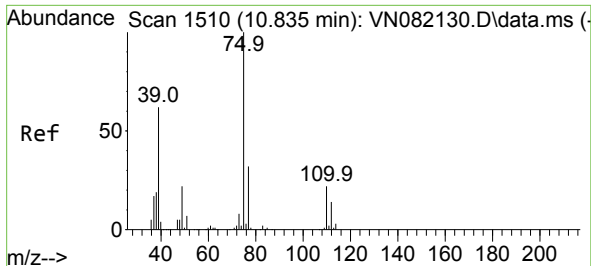
Tgt Ion:	98	Resp:	365480
Ion	Ratio	Lower	Upper
98	100		
100	64.7	51.8	77.6



#51
4-Methyl-2-Pentanone
Concen: 2.384 ug/l
RT: 10.570 min Scan# 1465
Delta R.T. 0.123 min
Lab File: VN082475.D
Acq: 05 Jun 2024 17:02

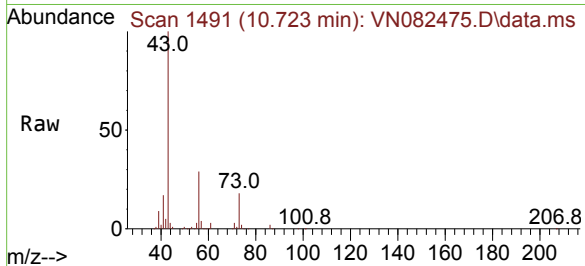
Tgt Ion:	43	Resp:	8202
Ion	Ratio	Lower	Upper
43	100		
58	48.6	33.2	49.8



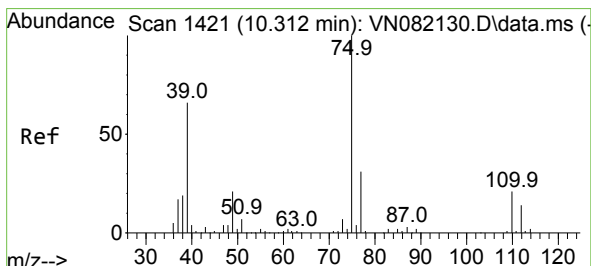
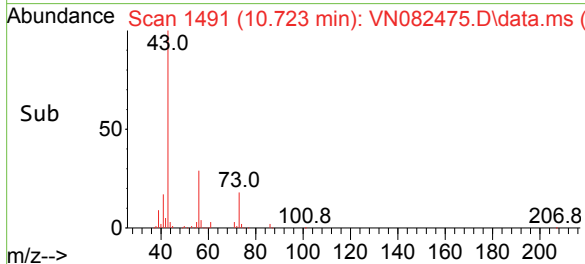
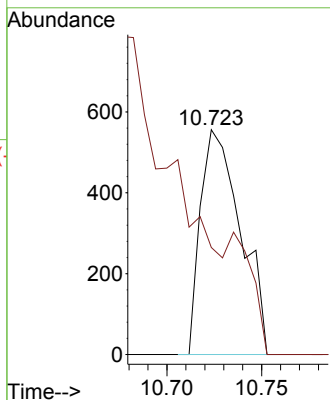


#53
t-1,3-Dichloropropene
Concen: 0.243 ug/l
RT: 10.723 min Scan# 1491
Delta R.T. -0.112 min
Lab File: VN082475.D
Acq: 05 Jun 2024 17:02

Instrument :
MSVOA_N
ClientSampleId :

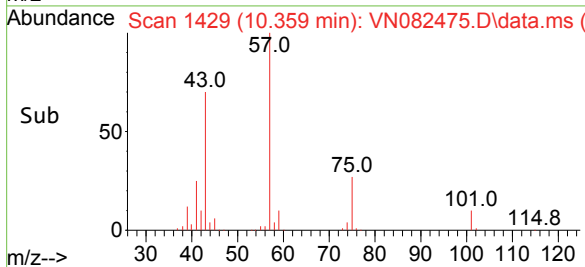
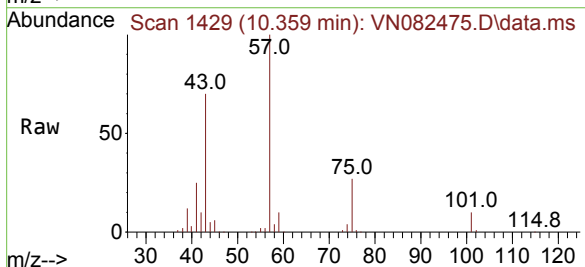
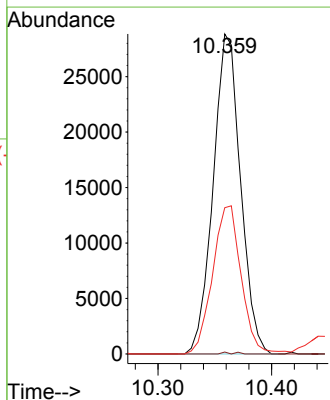


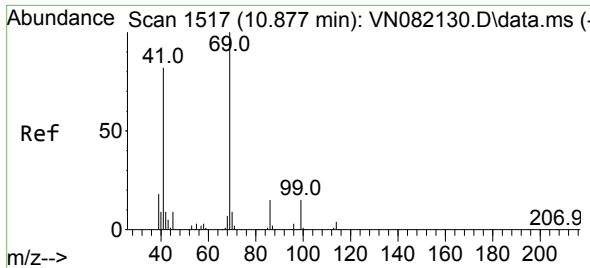
Tgt Ion: 75 Resp: 820
Ion Ratio Lower Upper
75 100
77 47.7 25.4 38.0#



#54
cis-1,3-Dichloropropene
Concen: 13.534 ug/l
RT: 10.359 min Scan# 1429
Delta R.T. 0.047 min
Lab File: VN082475.D
Acq: 05 Jun 2024 17:02

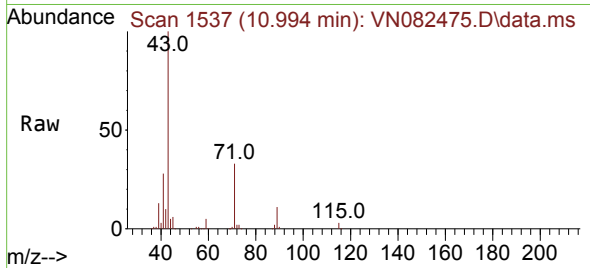
Tgt Ion: 75 Resp: 48246
Ion Ratio Lower Upper
75 100
77 0.6 25.0 37.4#
39 45.7 34.8 52.2



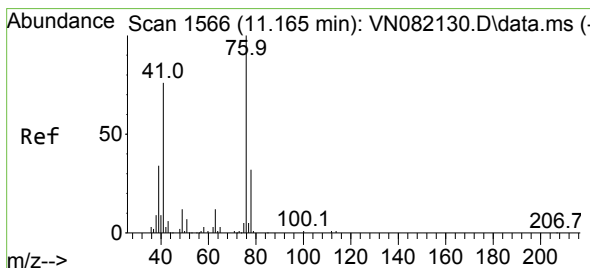
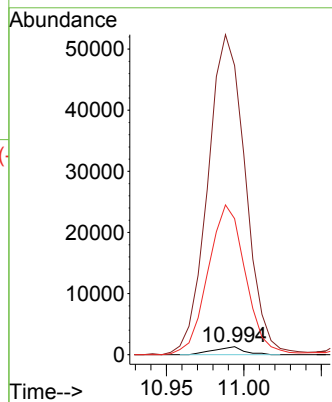
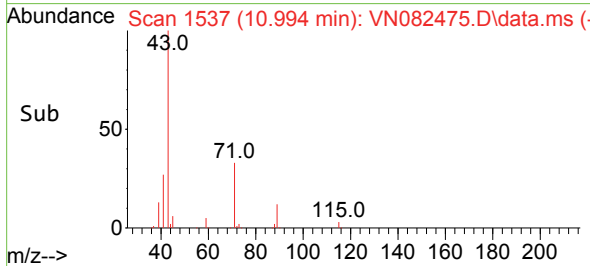


#56
Ethyl methacrylate
Concen: 0.523 ug/l
RT: 10.994 min Scan# 1537
Delta R.T. 0.117 min
Lab File: VN082475.D
Acq: 05 Jun 2024 17:02

Instrument :
MSVOA_N
ClientSampleId :

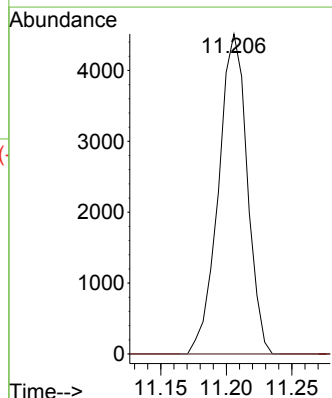
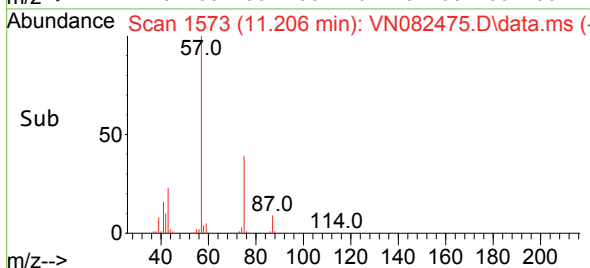
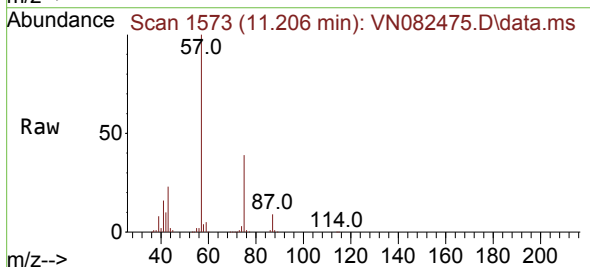


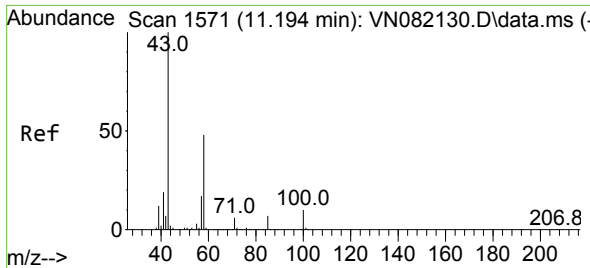
Tgt Ion: 69 Resp: 1765
Ion Ratio Lower Upper
69 100
41 5039.0 46.6 70.0#
39 2335.3 26.5 39.7#



#57
1,3-Dichloropropane
Concen: 1.855 ug/l
RT: 11.206 min Scan# 1573
Delta R.T. 0.041 min
Lab File: VN082475.D
Acq: 05 Jun 2024 17:02

Tgt Ion: 76 Resp: 6887
Ion Ratio Lower Upper
76 100
78 0.0 25.8 38.6#

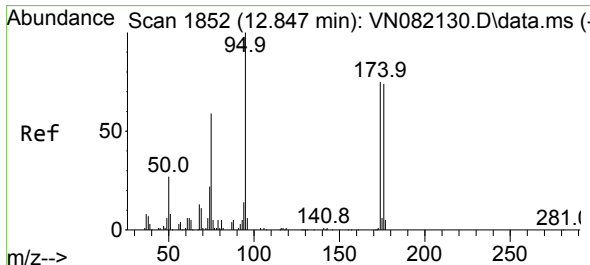
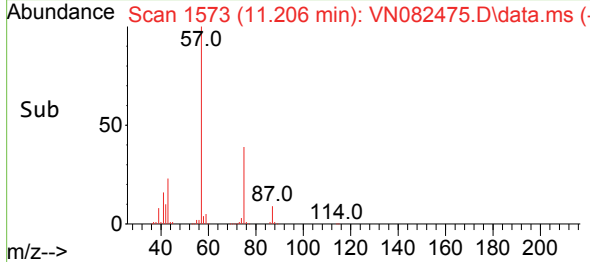
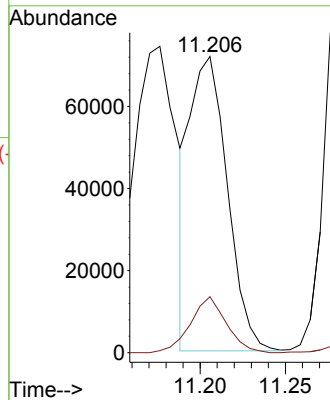
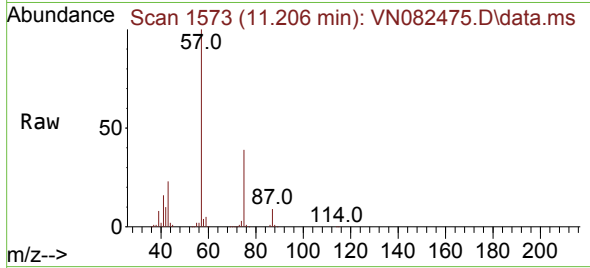




#59
2-Hexanone
Concen: 43.719 ug/l
RT: 11.206 min Scan# 110136
Delta R.T. 0.012 min
Lab File: VN082475.D
Acq: 05 Jun 2024 17:02

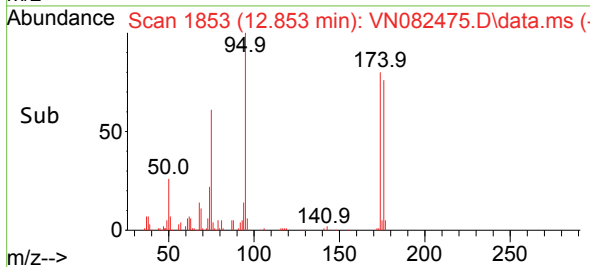
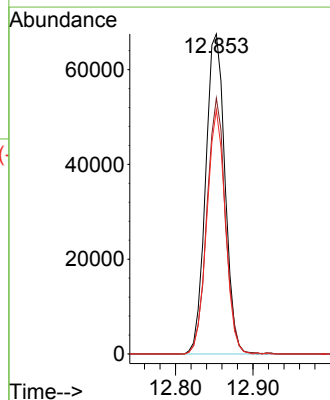
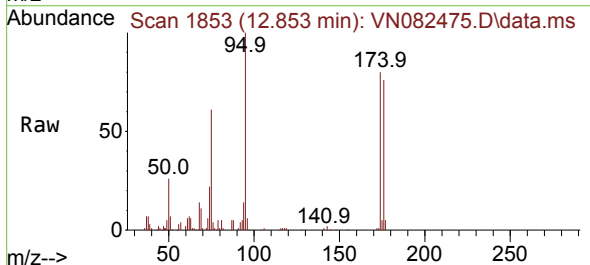
Instrument :
MSVOA_N
ClientSampleId :

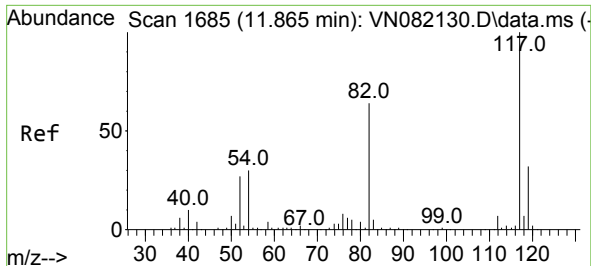
Tgt Ion: 43 Resp: 110136
Ion Ratio Lower Upper
43 100
58 18.1 28.3 84.9#



#62
4-Bromofluorobenzene
Concen: 46.952 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. 0.006 min
Lab File: VN082475.D
Acq: 05 Jun 2024 17:02

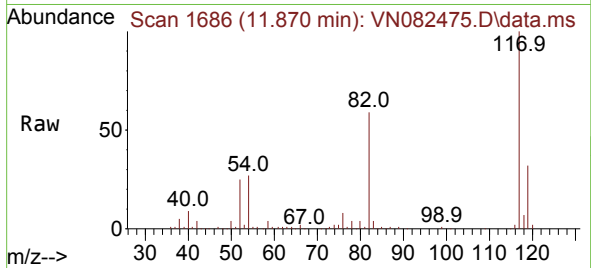
Tgt Ion: 95 Resp: 116985
Ion Ratio Lower Upper
95 100
174 76.5 0.0 160.6
176 73.0 0.0 152.8



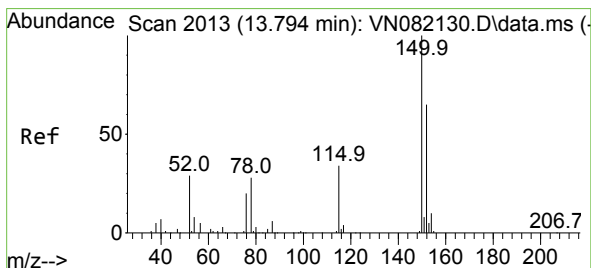
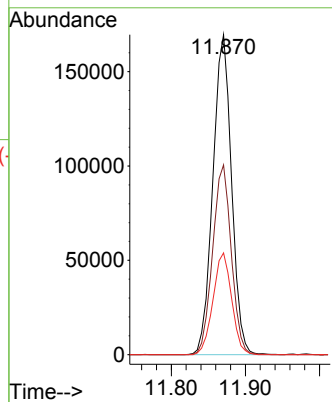
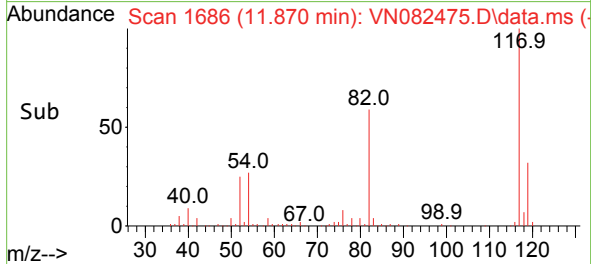


#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.870 min Scan# 11
Delta R.T. 0.006 min
Lab File: VN082475.D
Acq: 05 Jun 2024 17:02

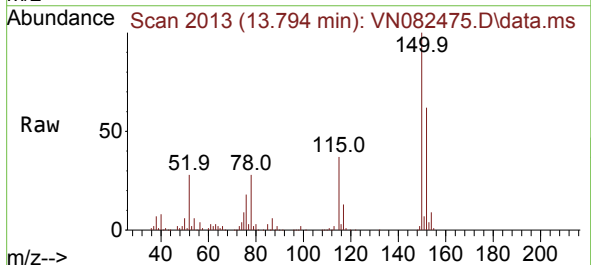
Instrument :
MSVOA_N
ClientSampleId :



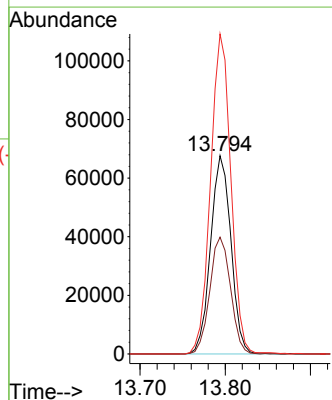
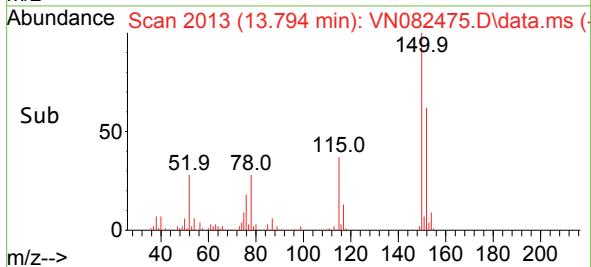
Tgt Ion:117 Resp: 296249
Ion Ratio Lower Upper
117 100
82 59.3 44.6 66.8
119 31.8 25.9 38.9

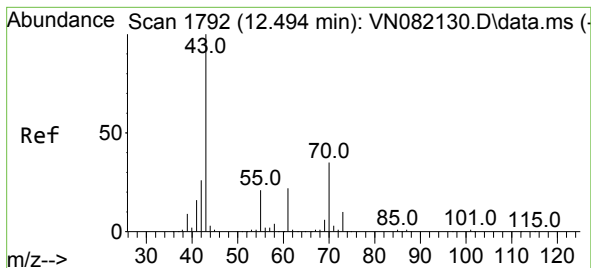


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.794 min Scan# 2013
Delta R.T. -0.000 min
Lab File: VN082475.D
Acq: 05 Jun 2024 17:02



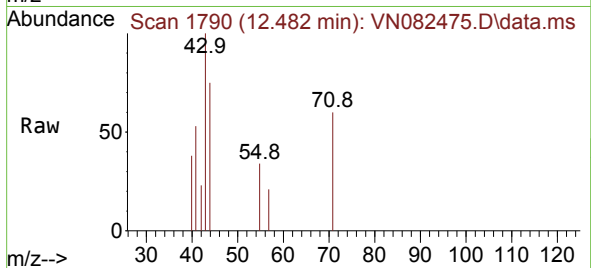
Tgt Ion:152 Resp: 112691
Ion Ratio Lower Upper
152 100
115 59.8 30.4 91.3
150 160.9 0.0 353.2



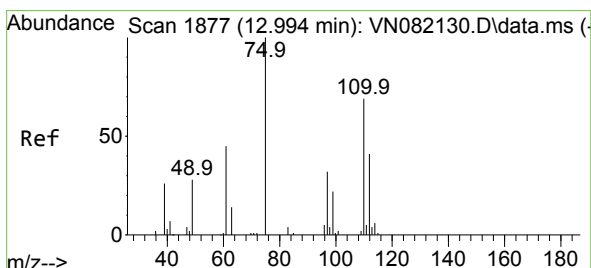
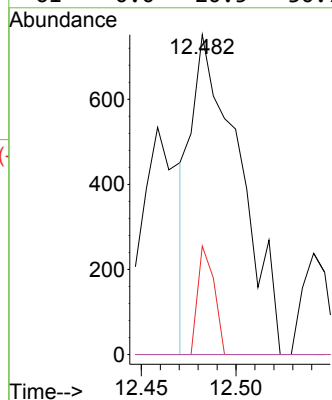
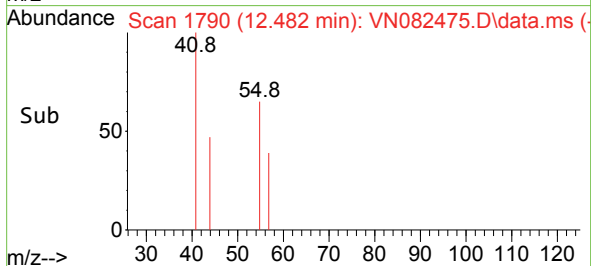


#74
N-amy1 acetate
Concen: 0.271 ug/l
RT: 12.482 min Scan# 1
Delta R.T. -0.012 min
Lab File: VN082475.D
Acq: 05 Jun 2024 17:02

Instrument :
MSVOA_N
ClientSampleId :

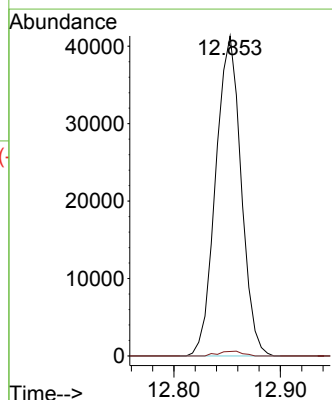
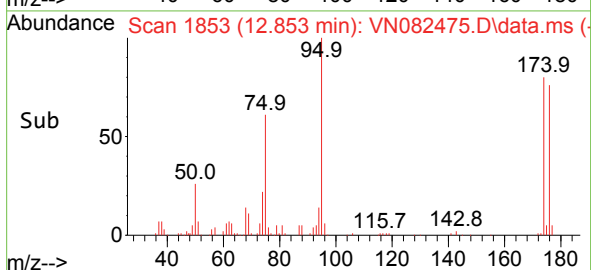
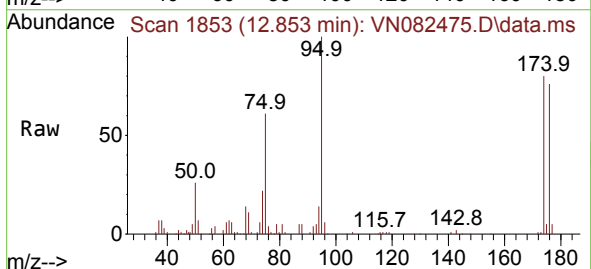


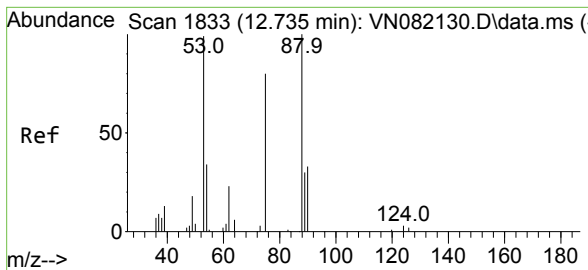
Tgt Ion: 43 Resp: 1334
Ion Ratio Lower Upper
43 100
70 0.0 39.0 58.4#
55 11.5 21.3 31.9#
61 0.0 20.5 30.7#



#76
1,2,3-Trichloropropane
Concen: 28.869 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. -0.141 min
Lab File: VN082475.D
Acq: 05 Jun 2024 17:02

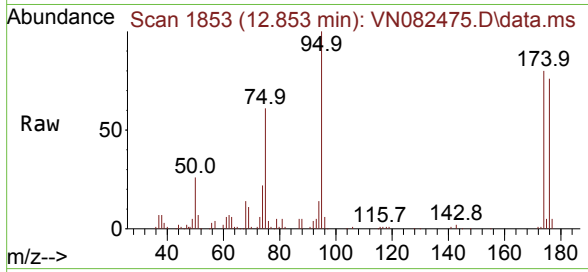
Tgt Ion: 75 Resp: 68473
Ion Ratio Lower Upper
75 100
77 1.4 90.5 271.3#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 67.523 ug/l
 RT: 12.853 min Scan# 11
 Delta R.T. 0.117 min
 Lab File: VN082475.D
 Acq: 05 Jun 2024 17:02

Instrument :
 MSVOA_N
 ClientSampleId :



Tgt Ion: 75 Resp: 68473
 Ion Ratio Lower Upper
 75 100
 53 0.1 72.9 109.3#
 89 0.0 39.1 58.7#

