

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN061924\
 Data File : VN082647.D
 Acq On : 19 Jun 2024 17:39
 Operator : JC\MD
 Sample : P2915-04
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Jun 20 03:04:06 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N061724W.M
 Quant Title : SW846 8260
 QLast Update : Tue Jun 18 04:52:44 2024
 Response via : Initial Calibration

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

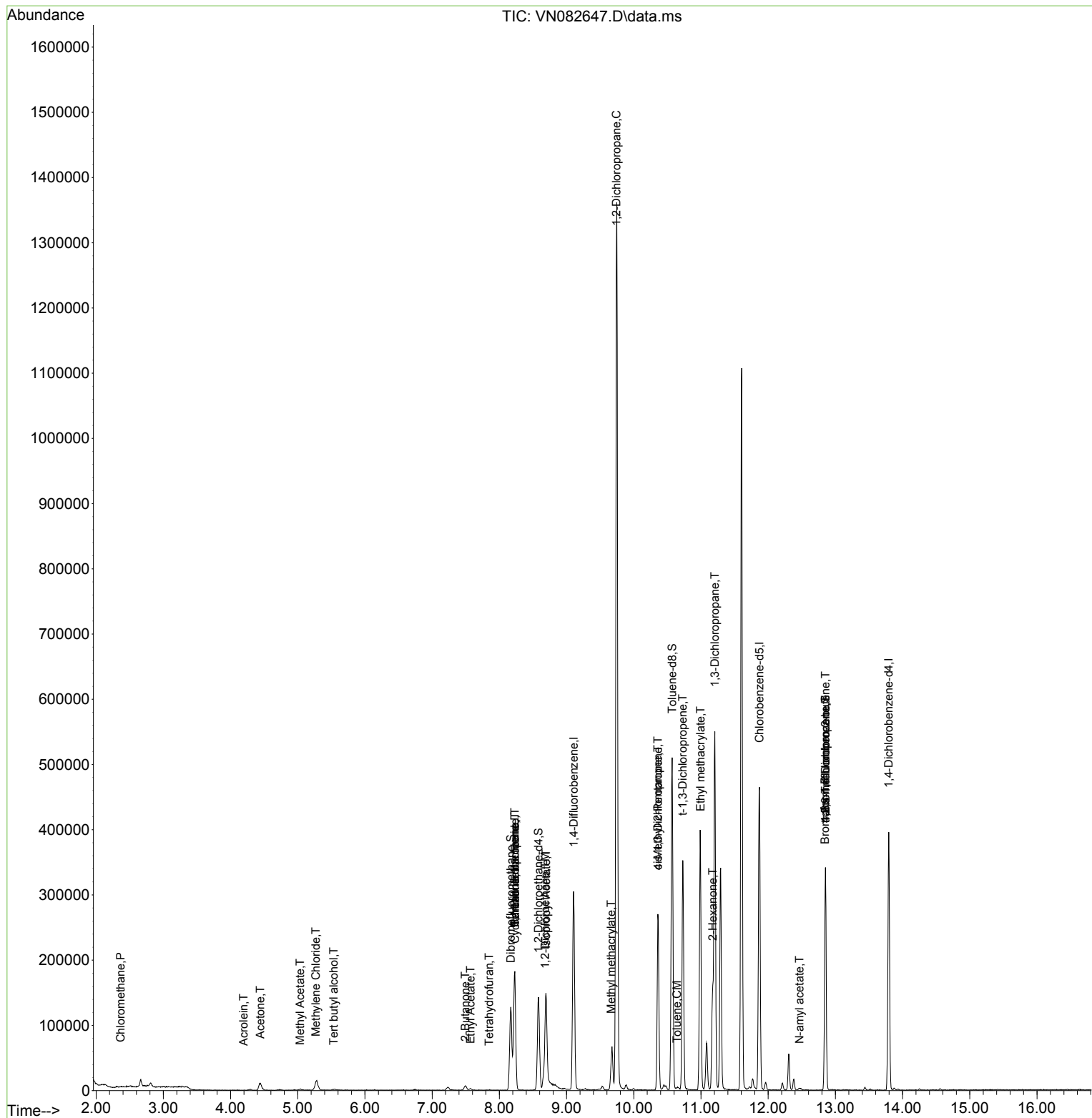
Internal Standards						
1) Pentafluorobenzene	8.230	168	126064	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	246119	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.871	117	255602	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	100264	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.583	65	118275	58.505	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	117.020%
35) Dibromofluoromethane	8.171	113	88051	52.736	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	105.480%
50) Toluene-d8	10.571	98	330315	52.315	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	104.620%
62) 4-Bromofluorobenzene	12.853	95	105811	48.607	ug/l	0.00
Spiked Amount	50.000	Range	64 - 133	Recovery	=	97.220%
Target Compounds						
					Qvalue	
3) Chloromethane	2.365	50	431	0.204	ug/l	95
11) Tert butyl alcohol	5.536	59	1500	4.534	ug/l #	71
13) Acrolein	4.195	56	122	0.362	ug/l #	14
16) Acetone	4.442	43	21590	23.483	ug/l	92
18) Methyl Acetate	5.036	43	3101	1.379	ug/l #	76
20) Methylene Chloride	5.271	84	10489	6.489	ug/l #	84
25) 2-Butanone	7.494	43	12745	9.753	ug/l #	89
29) Tetrahydrofuran	7.847	42	421	0.526	ug/l #	38
31) Cyclohexane	8.236	56	3690	1.265	ug/l #	29
36) 1,1-Dichloropropene	8.230	75	11282	4.520	ug/l #	46
37) Ethyl Acetate	7.571	43	3955	1.244	ug/l #	90
38) Carbon Tetrachloride	8.230	117	13371	4.754	ug/l #	18
42) 1,2-Dichloroethane	8.683	62	957	0.326	ug/l #	78
43) Isopropyl Acetate	8.694	43	197622	33.260	ug/l #	86
45) 1,2-Dichloropropane	9.741	63	1428	0.719	ug/l #	44
48) Methyl methacrylate	9.665	41	4818	1.967	ug/l #	53
51) 4-Methyl-2-Pentanone	10.359	43	108350	35.553	ug/l #	49
52) Toluene	10.641	92	1034	0.221	ug/l #	73
53) t-1,3-Dichloropropene	10.729	75	679	0.232	ug/l #	18
54) cis-1,3-Dichloropropene	10.359	75	40271	13.278	ug/l #	71
56) Ethyl methacrylate	10.994	69	1908	0.681	ug/l #	1
57) 1,3-Dichloropropane	11.206	76	5193	1.661	ug/l #	43
59) 2-Hexanone	11.176	43	137886	59.529	ug/l #	28
71) Bromoform	12.847	173	889	0.538	ug/l #	1
74) N-amyl acetate	12.465	43	3194	0.786	ug/l #	50
76) 1,2,3-Trichloropropane	12.853	75	61232	24.969	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.853	75	61232	59.737	ug/l #	6

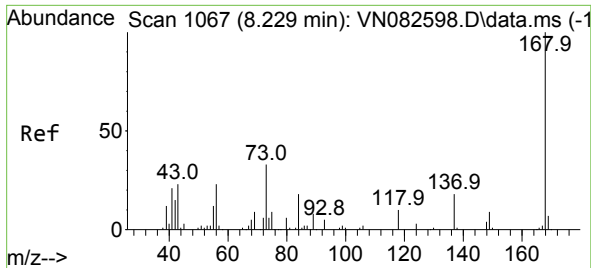
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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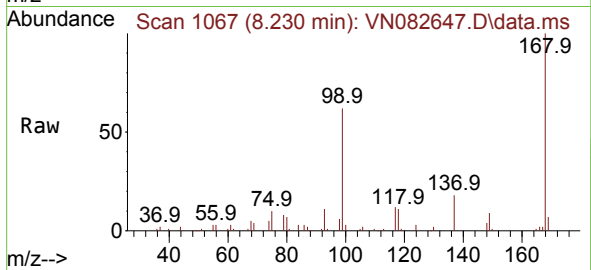
Quant Time: Jun 20 03:04:06 2024
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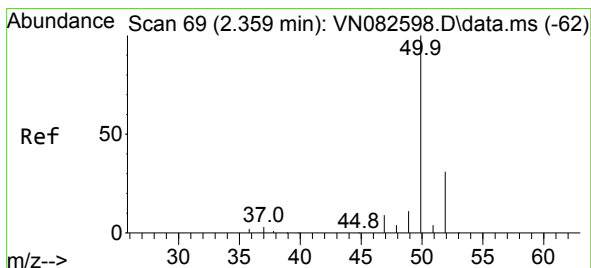
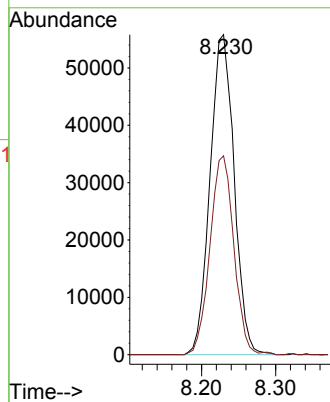
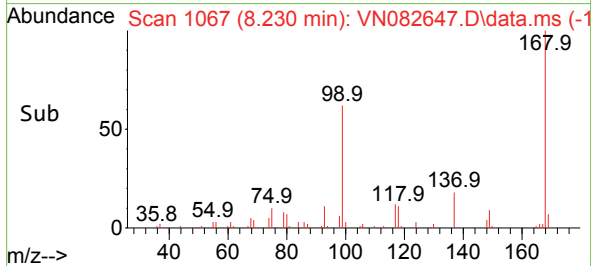


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.230 min Scan# 10
Delta R.T. 0.001 min
Lab File: VN082647.D
Acq: 19 Jun 2024 17:39

Instrument :
MSVOA_N
ClientSampleId :

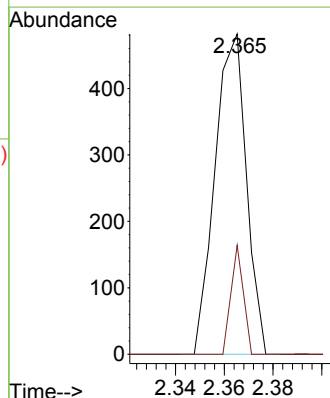
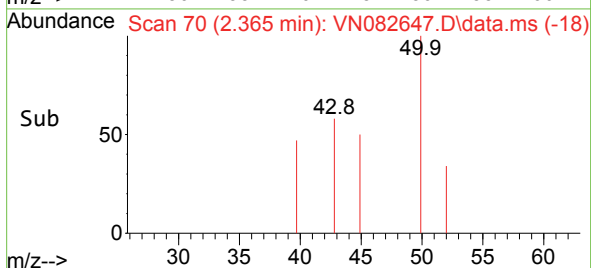
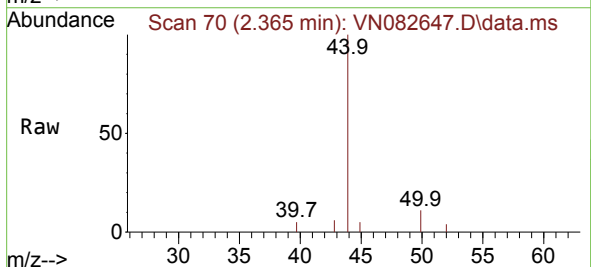


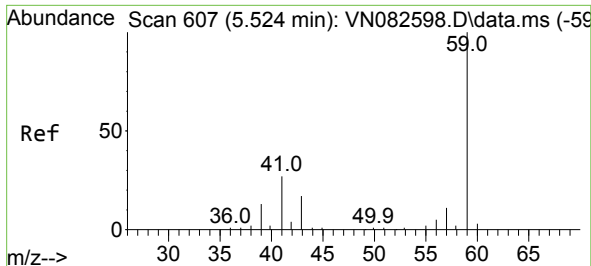
Tgt Ion:168 Resp: 126064
Ion Ratio Lower Upper
168 100
99 62.2 48.2 72.4



#3
Chloromethane
Concen: 0.204 ug/l
RT: 2.365 min Scan# 70
Delta R.T. 0.006 min
Lab File: VN082647.D
Acq: 19 Jun 2024 17:39

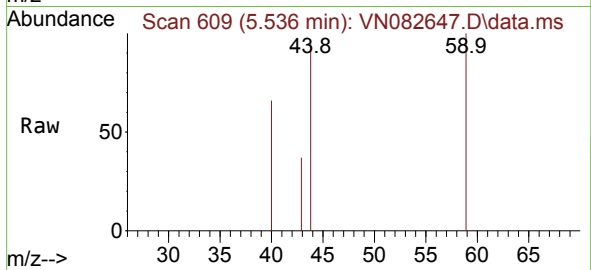
Tgt Ion: 50 Resp: 431
Ion Ratio Lower Upper
50 100
52 34.0 25.0 37.4



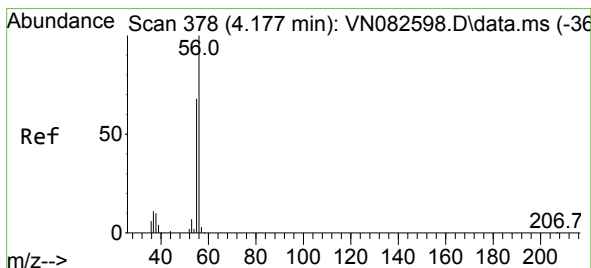
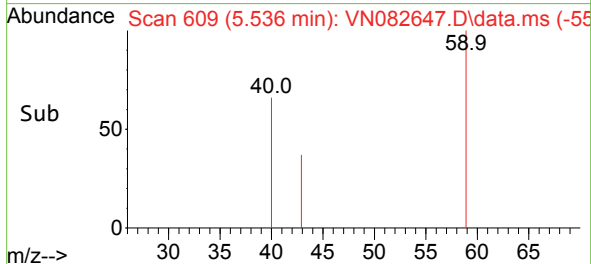
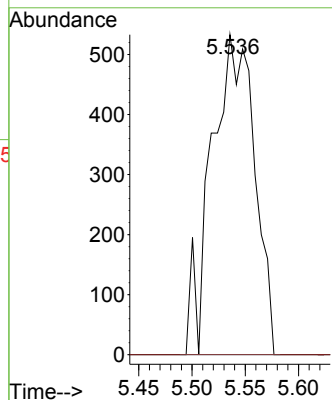


#11
Tert butyl alcohol
Concen: 4.534 ug/l
RT: 5.536 min Scan# 607
Delta R.T. 0.012 min
Lab File: VN082647.D
Acq: 19 Jun 2024 17:39

Instrument :
MSVOA_N
ClientSampleId :

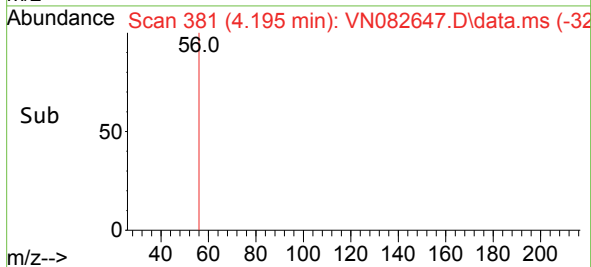
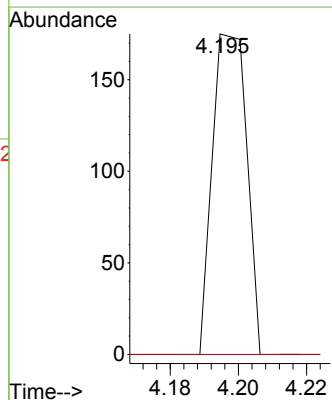
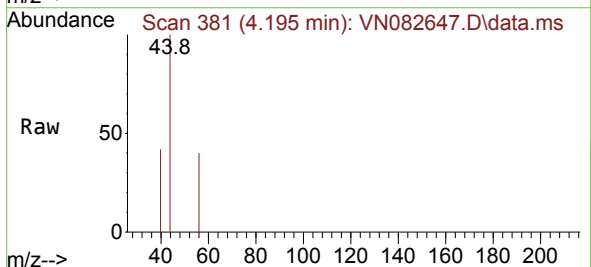


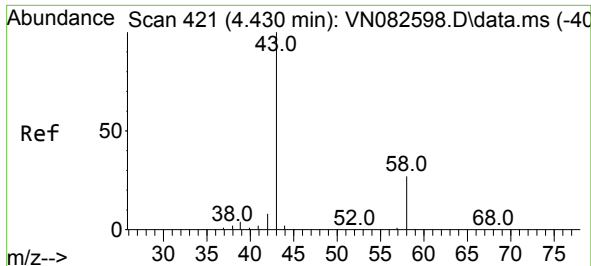
Tgt Ion: 59 Resp: 1500
Ion Ratio Lower Upper
59 100
57 0.0 8.9 13.3#



#13
Acrolein
Concen: 0.362 ug/l
RT: 4.195 min Scan# 381
Delta R.T. 0.018 min
Lab File: VN082647.D
Acq: 19 Jun 2024 17:39

Tgt Ion: 56 Resp: 122
Ion Ratio Lower Upper
56 100
55 0.0 56.4 84.6#

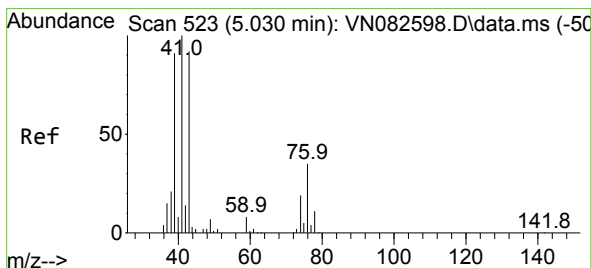
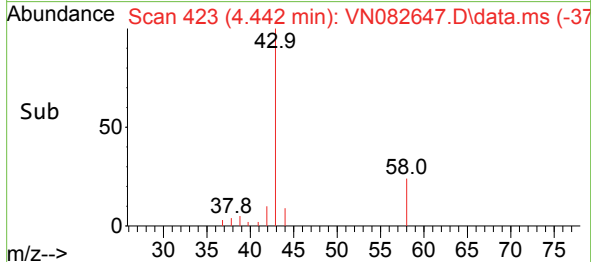
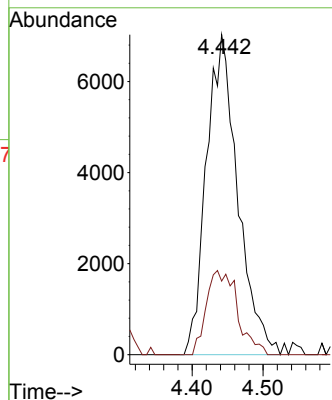
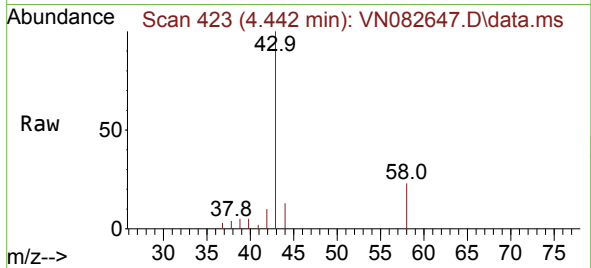




#16
Acetone
Concen: 23.483 ug/l
RT: 4.442 min Scan# 41
Delta R.T. 0.012 min
Lab File: VN082647.D
Acq: 19 Jun 2024 17:39

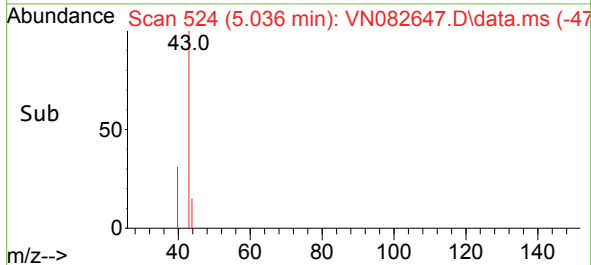
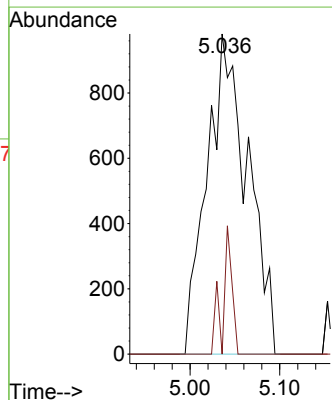
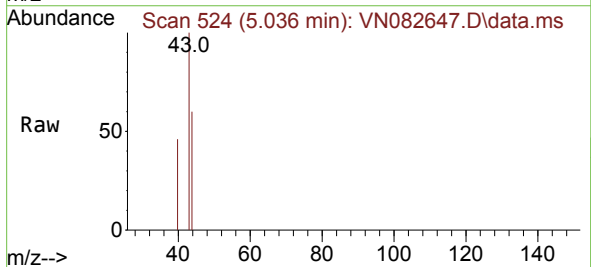
Instrument :
MSVOA_N
ClientSampleId :

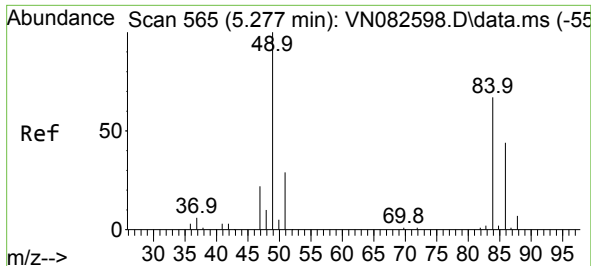
Tgt Ion: 43 Resp: 21590
Ion Ratio Lower Upper
43 100
58 23.0 21.8 32.6



#18
Methyl Acetate
Concen: 1.379 ug/l
RT: 5.036 min Scan# 524
Delta R.T. 0.006 min
Lab File: VN082647.D
Acq: 19 Jun 2024 17:39

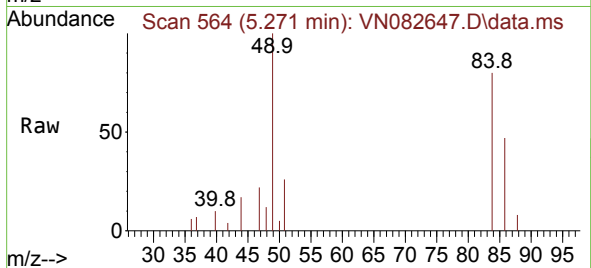
Tgt Ion: 43 Resp: 3101
Ion Ratio Lower Upper
43 100
74 9.2 16.3 24.5#



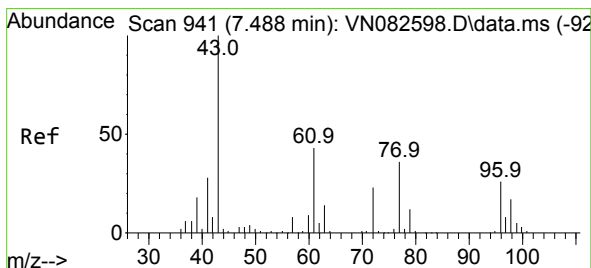
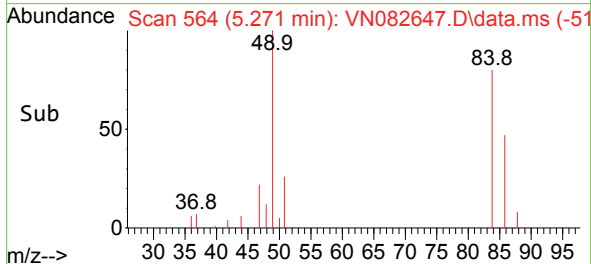
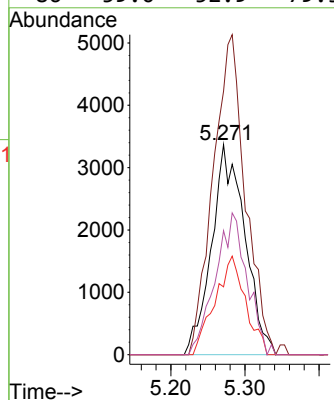


#20
Methylene Chloride
Concen: 6.489 ug/l
RT: 5.271 min Scan# 51
Delta R.T. -0.006 min
Lab File: VN082647.D
Acq: 19 Jun 2024 17:39

Instrument :
MSVOA_N
ClientSampleId :

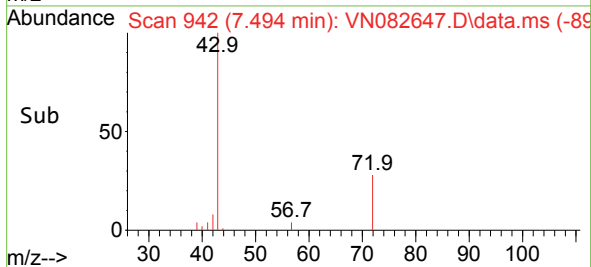
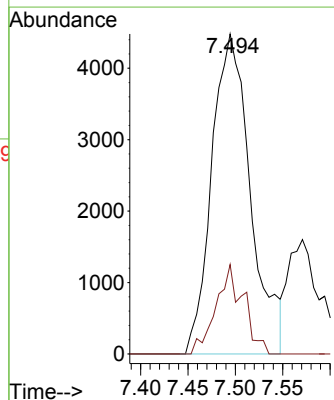
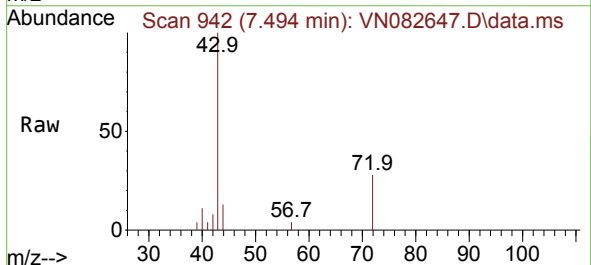


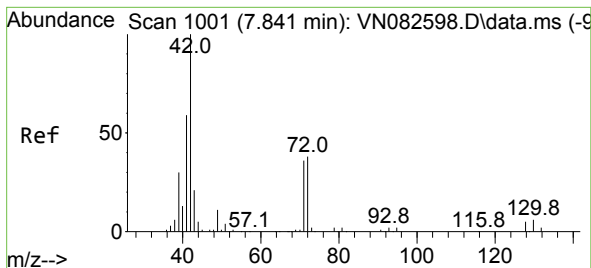
Tgt Ion:	84	Resp:	10489
Ion	Ratio	Lower	Upper
84	100		
49	125.4	119.6	179.4
51	32.3	34.8	52.2#
86	59.0	52.9	79.3



#25
2-Butanone
Concen: 9.753 ug/l
RT: 7.494 min Scan# 942
Delta R.T. 0.006 min
Lab File: VN082647.D
Acq: 19 Jun 2024 17:39

Tgt Ion:	43	Resp:	12745
Ion	Ratio	Lower	Upper
43	100		
72	27.9	18.2	27.2#





#29

Tetrahydrofuran

Concen: 0.526 ug/l

RT: 7.847 min Scan# 10

Delta R.T. 0.006 min

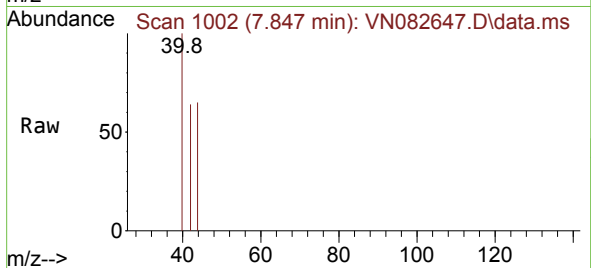
Lab File: VN082647.D

Acq: 19 Jun 2024 17:39

Instrument :

MSVOA_N

ClientSampleId :



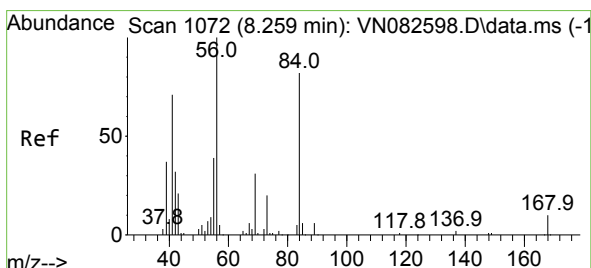
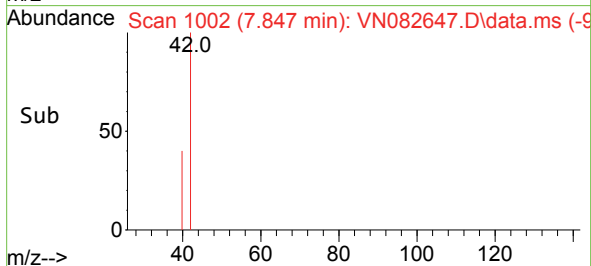
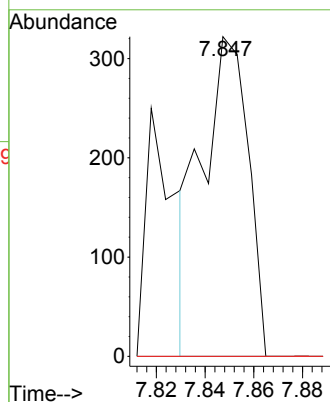
Tgt Ion: 42 Resp: 421

Ion Ratio Lower Upper

42 100

72 0.0 30.0 45.0#

71 0.0 28.3 42.5#



#31

Cyclohexane

Concen: 1.265 ug/l

RT: 8.236 min Scan# 1068

Delta R.T. -0.023 min

Lab File: VN082647.D

Acq: 19 Jun 2024 17:39

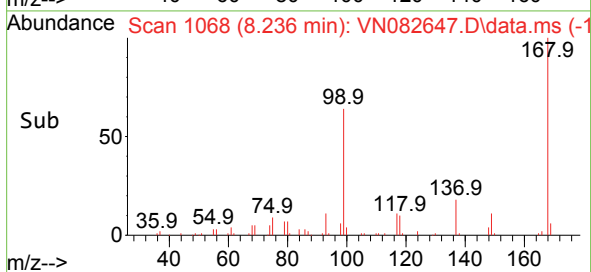
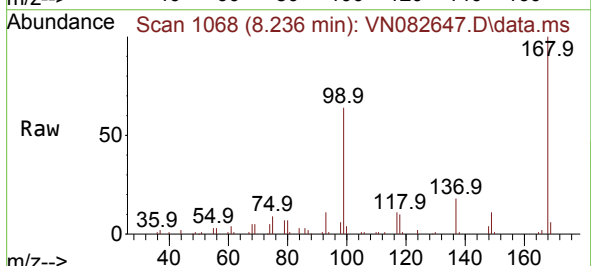
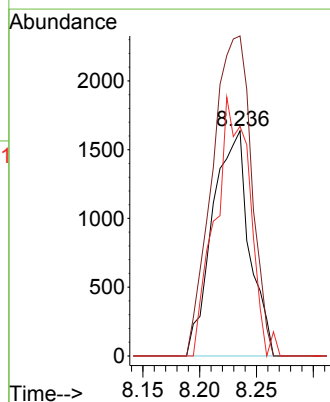
Tgt Ion: 56 Resp: 3690

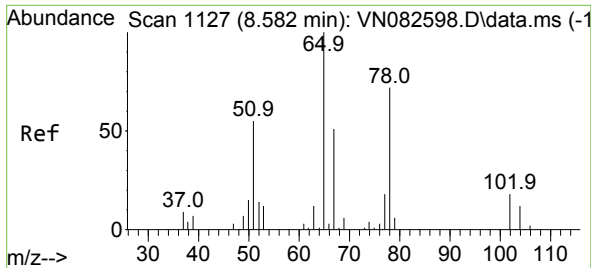
Ion Ratio Lower Upper

56 100

69 142.2 24.5 36.7#

84 102.0 66.0 99.0#





#33

1,2-Dichloroethane-d4

Concen: 58.505 ug/l

RT: 8.583 min Scan# 1127

Delta R.T. 0.000 min

Lab File: VN082647.D

Acq: 19 Jun 2024 17:39

Instrument :

MSVOA_N

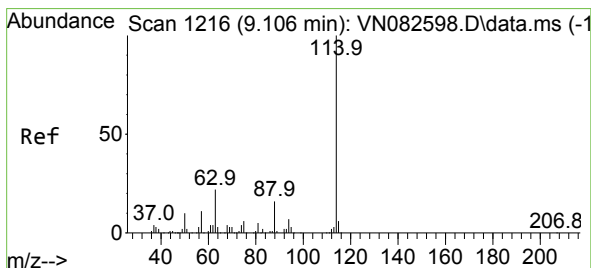
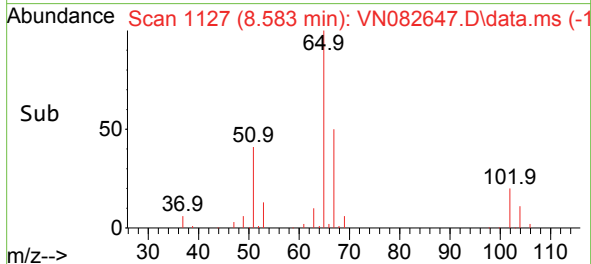
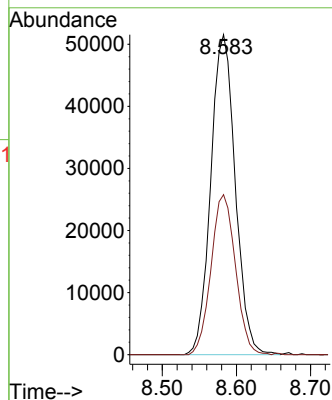
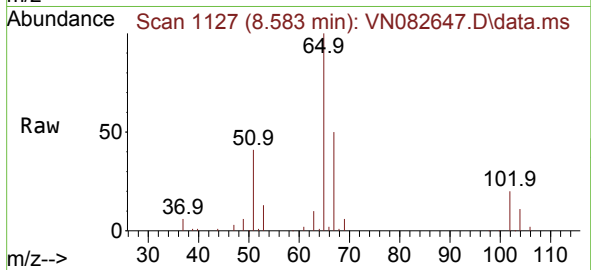
ClientSampleId :

Tgt Ion: 65 Resp: 118275

Ion Ratio Lower Upper

65 100

67 49.8 0.0 104.4



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.106 min Scan# 1216

Delta R.T. 0.000 min

Lab File: VN082647.D

Acq: 19 Jun 2024 17:39

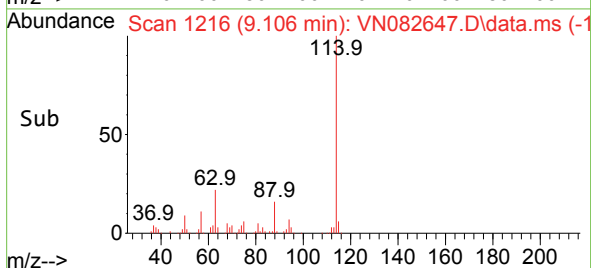
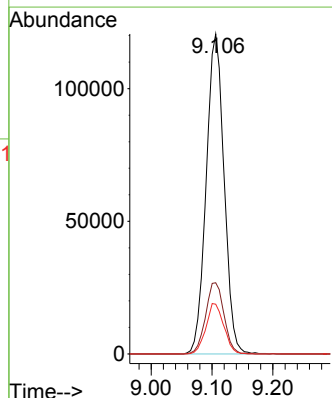
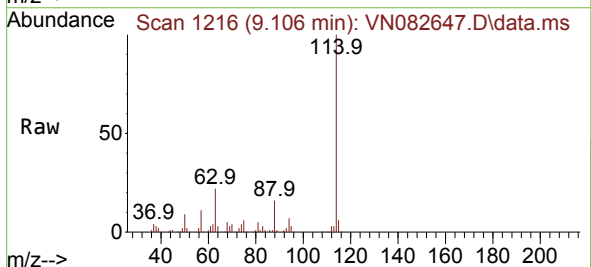
Tgt Ion: 114 Resp: 246119

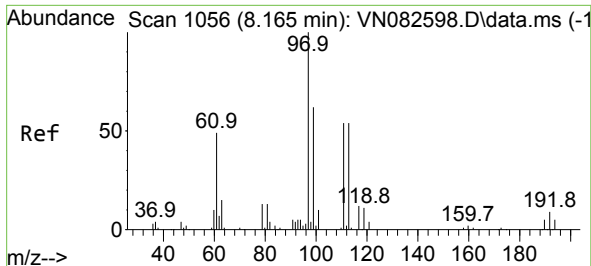
Ion Ratio Lower Upper

114 100

63 22.2 0.0 44.6

88 15.5 0.0 31.4





#35

Dibromofluoromethane

Concen: 52.736 ug/l

RT: 8.171 min Scan# 1056

Delta R.T. 0.006 min

Lab File: VN082647.D

Acq: 19 Jun 2024 17:39

Instrument :

MSVOA_N

ClientSampleId :

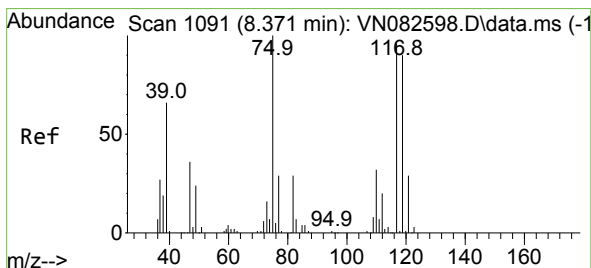
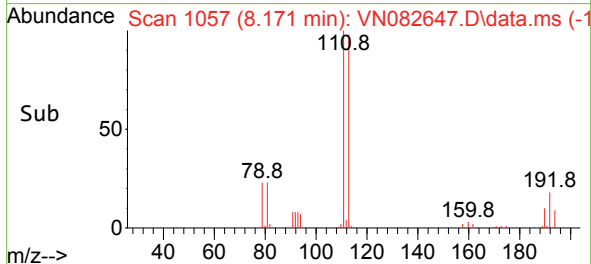
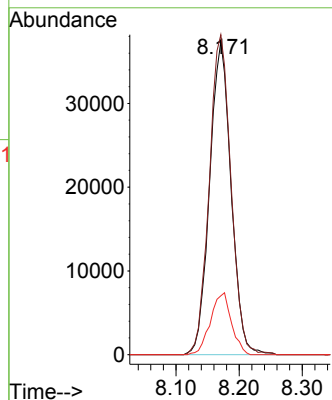
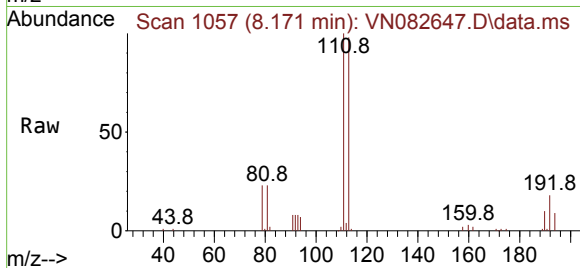
Tgt Ion:113 Resp: 88051

Ion Ratio Lower Upper

113 100

111 103.7 82.4 123.6

192 19.3 14.9 22.3



#36

1,1-Dichloropropene

Concen: 4.520 ug/l

RT: 8.230 min Scan# 1067

Delta R.T. -0.141 min

Lab File: VN082647.D

Acq: 19 Jun 2024 17:39

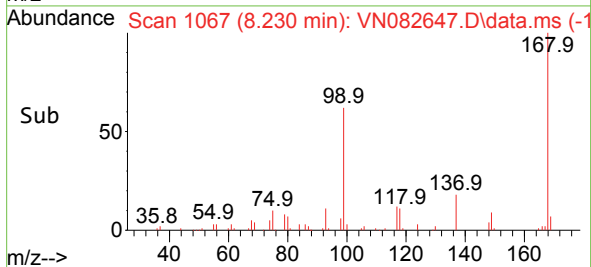
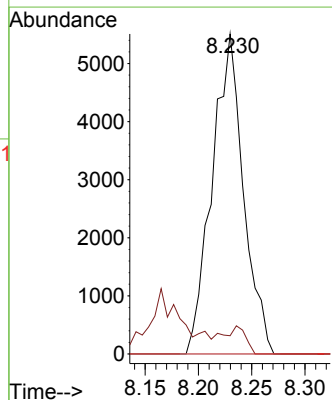
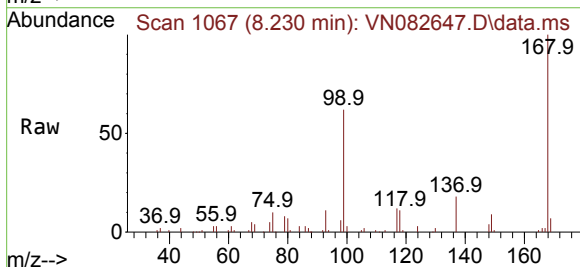
Tgt Ion: 75 Resp: 11282

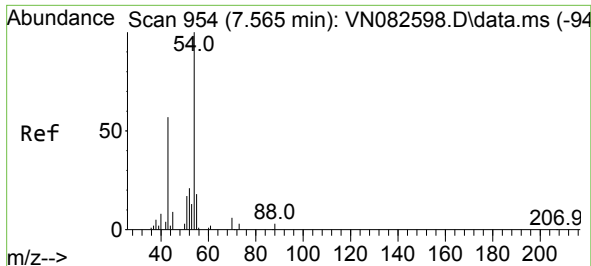
Ion Ratio Lower Upper

75 100

110 3.4 16.3 48.9#

77 0.0 24.6 37.0#





#37

Ethyl Acetate

Concen: 1.244 ug/l

RT: 7.571 min Scan# 91

Delta R.T. 0.006 min

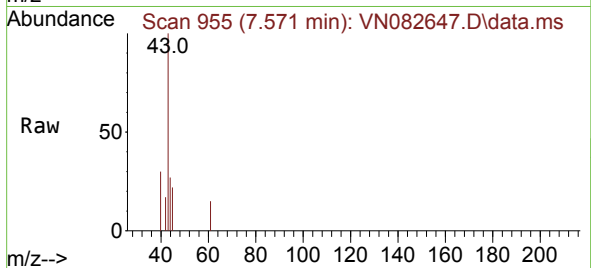
Lab File: VN082647.D

Acq: 19 Jun 2024 17:39

Instrument :

MSVOA_N

ClientSampleId :



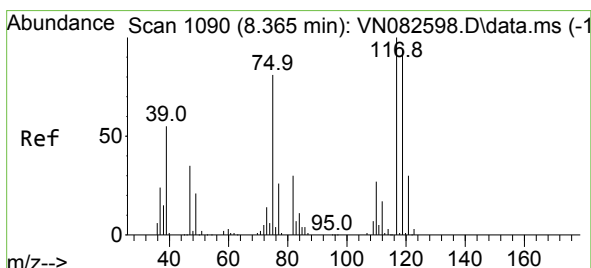
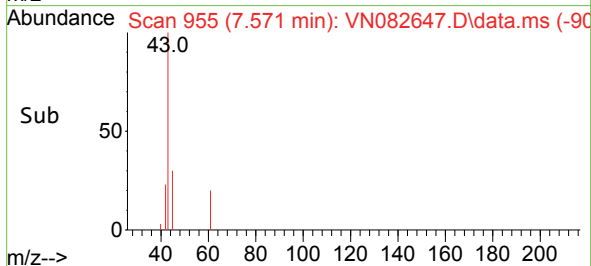
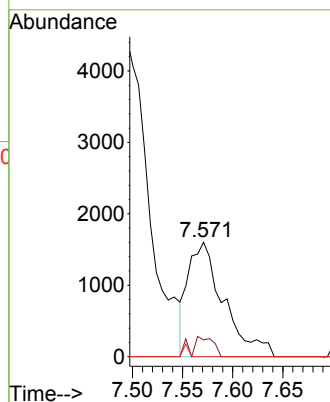
Tgt Ion: 43 Resp: 3955

Ion Ratio Lower Upper

43 100

61 10.8 9.3 13.9

70 1.6 7.0 10.6#



#38

Carbon Tetrachloride

Concen: 4.754 ug/l

RT: 8.230 min Scan# 1067

Delta R.T. -0.135 min

Lab File: VN082647.D

Acq: 19 Jun 2024 17:39

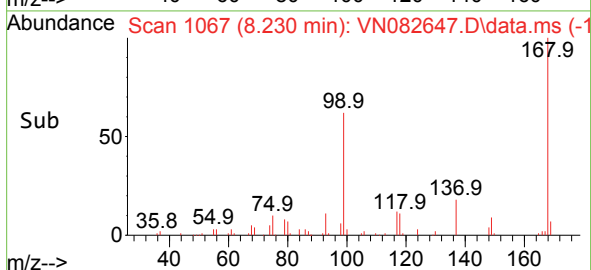
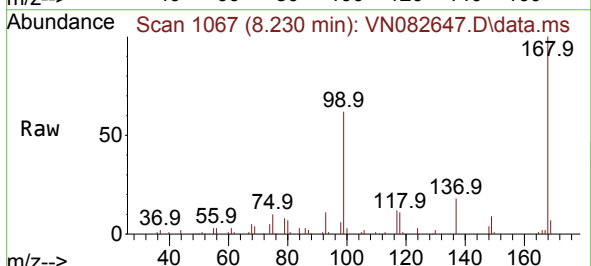
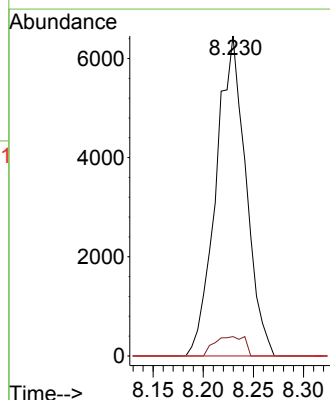
Tgt Ion: 117 Resp: 13371

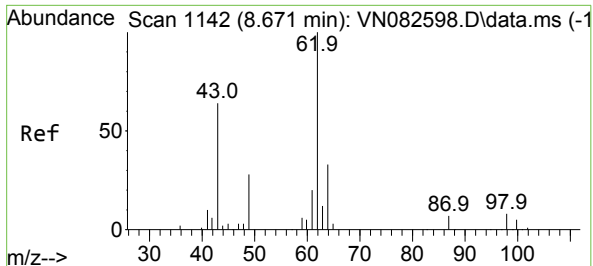
Ion Ratio Lower Upper

117 100

119 6.0 74.9 112.3#

121 0.0 24.3 36.5#





#42

1,2-Dichloroethane

Concen: 0.326 ug/l

RT: 8.683 min Scan# 1144

Delta R.T. 0.012 min

Lab File: VN082647.D

Acq: 19 Jun 2024 17:39

Instrument :

MSVOA_N

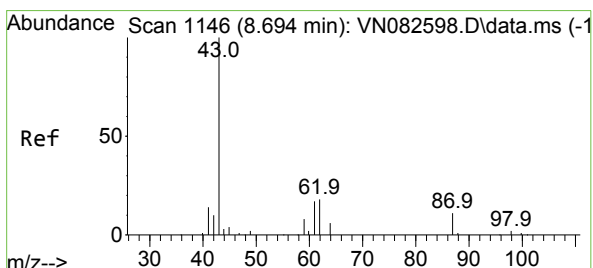
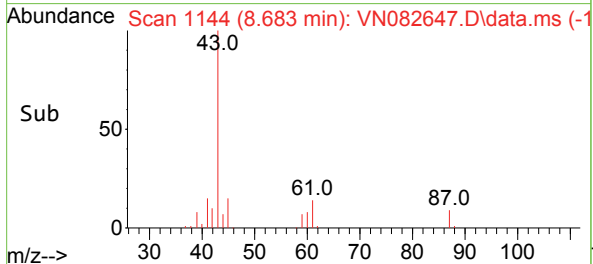
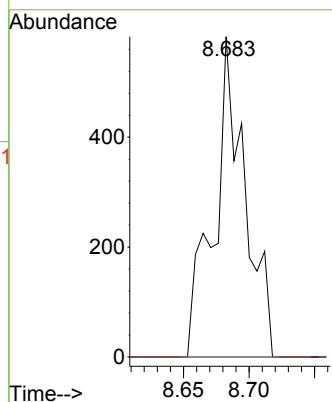
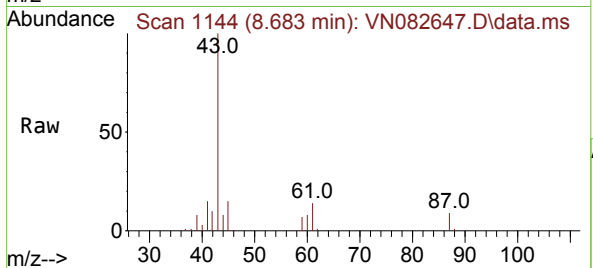
ClientSampleId :

Tgt Ion: 62 Resp: 957

Ion Ratio Lower Upper

62 100

98 0.0 0.0 15.8



#43

Isopropyl Acetate

Concen: 33.260 ug/l

RT: 8.694 min Scan# 1146

Delta R.T. 0.000 min

Lab File: VN082647.D

Acq: 19 Jun 2024 17:39

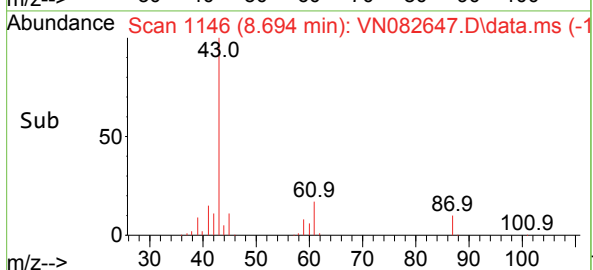
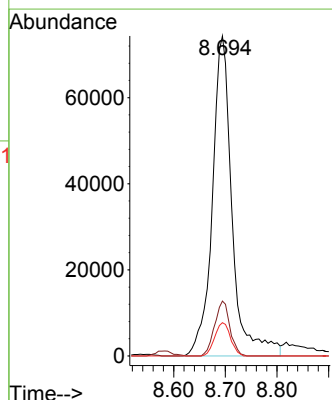
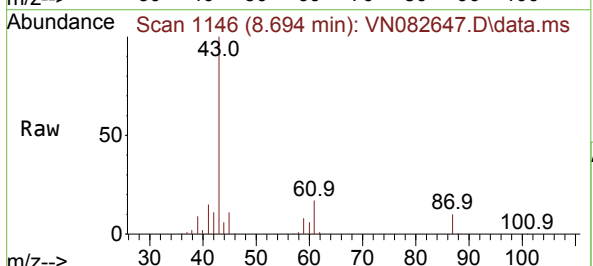
Tgt Ion: 43 Resp: 197622

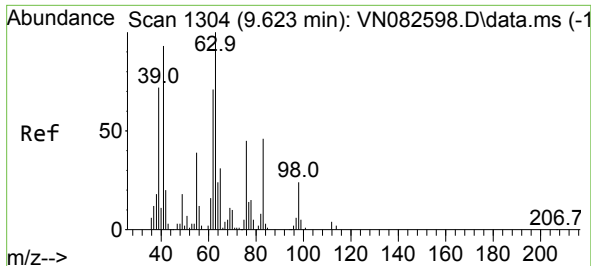
Ion Ratio Lower Upper

43 100

61 13.3 17.8 26.6#

87 8.3 8.2 12.2





#45

1,2-Dichloropropane

Concen: 0.719 ug/l

RT: 9.741 min Scan# 11

Delta R.T. 0.118 min

Lab File: VN082647.D

Acq: 19 Jun 2024 17:39

Instrument :

MSVOA_N

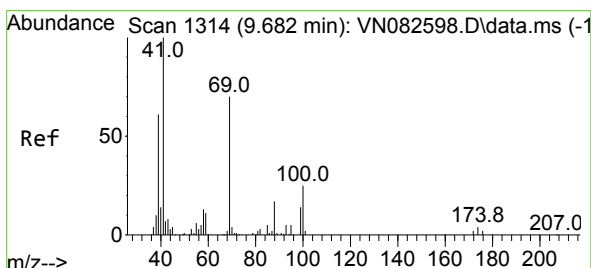
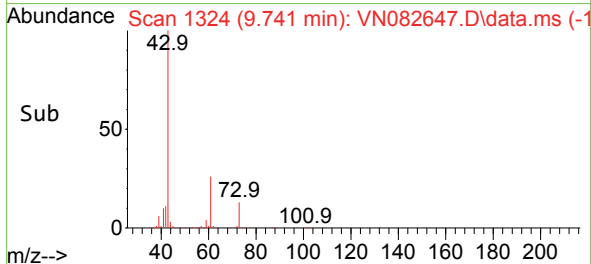
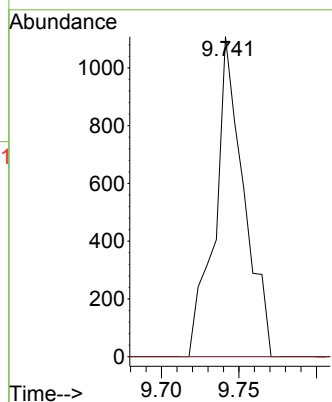
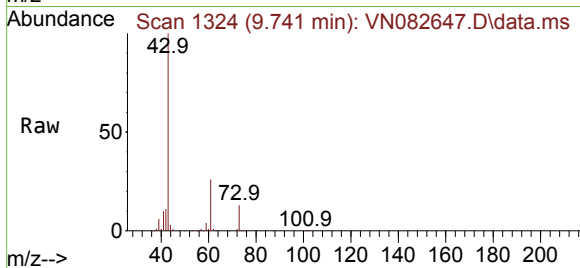
ClientSampleId :

Tgt Ion: 63 Resp: 1428

Ion Ratio Lower Upper

63 100

65 0.0 24.4 36.6#



#48

Methyl methacrylate

Concen: 1.967 ug/l

RT: 9.665 min Scan# 1311

Delta R.T. -0.017 min

Lab File: VN082647.D

Acq: 19 Jun 2024 17:39

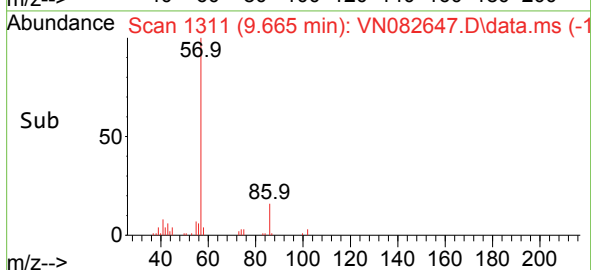
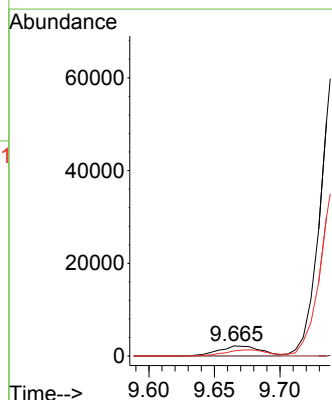
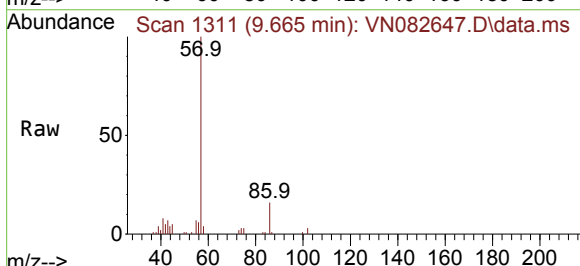
Tgt Ion: 41 Resp: 4818

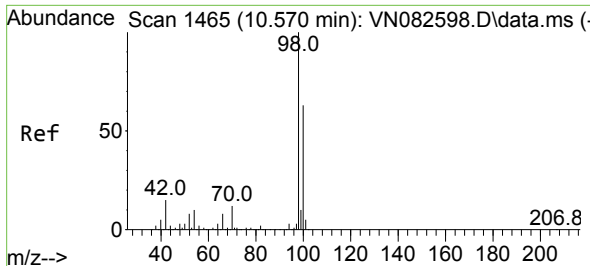
Ion Ratio Lower Upper

41 100

69 0.0 56.3 84.5#

39 59.5 50.3 75.5

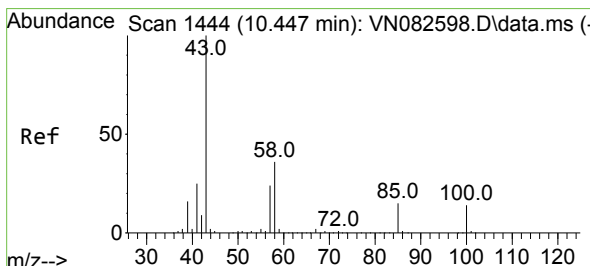
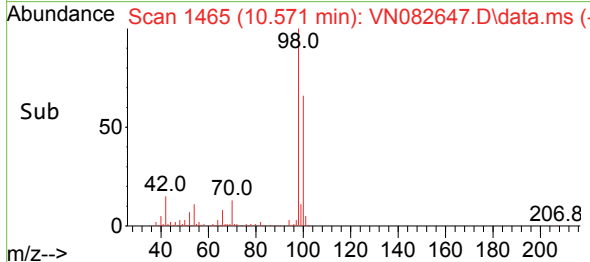
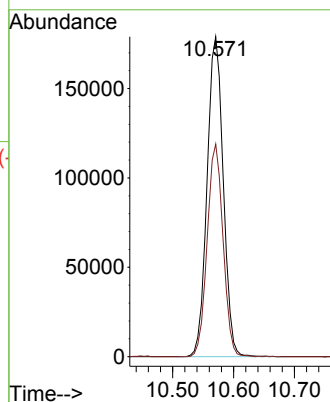
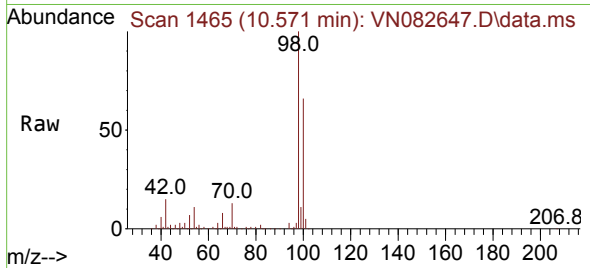




#50
Toluene-d8
Concen: 52.315 ug/l
RT: 10.571 min Scan# 1465
Delta R.T. 0.000 min
Lab File: VN082647.D
Acq: 19 Jun 2024 17:39

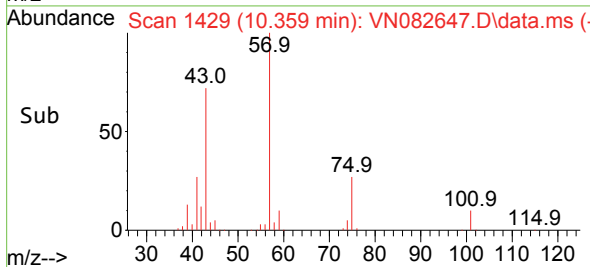
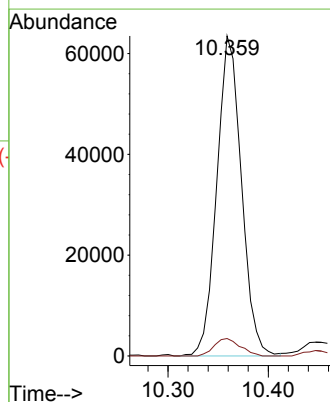
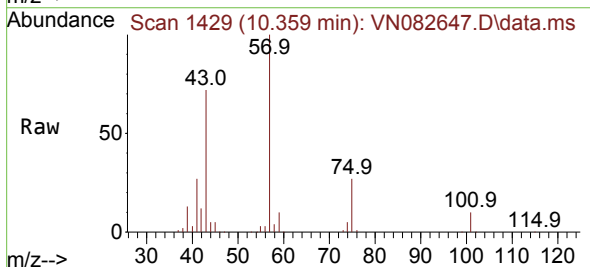
Instrument :
MSVOA_N
ClientSampleId :

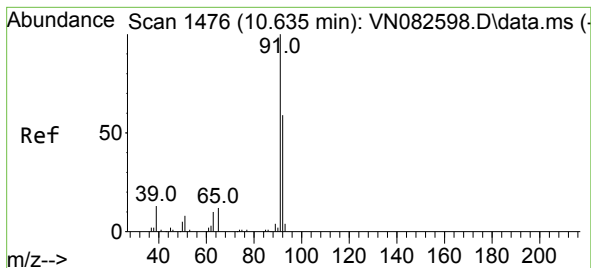
Tgt Ion: 98 Resp: 330315
Ion Ratio Lower Upper
98 100
100 65.1 51.5 77.3



#51
4-Methyl-2-Pentanone
Concen: 35.553 ug/l
RT: 10.359 min Scan# 1429
Delta R.T. -0.088 min
Lab File: VN082647.D
Acq: 19 Jun 2024 17:39

Tgt Ion: 43 Resp: 108350
Ion Ratio Lower Upper
43 100
58 5.8 28.2 42.4#





#52

Toluene

Concen: 0.221 ug/l

RT: 10.641 min Scan# 1477

Delta R.T. 0.006 min

Lab File: VN082647.D

Acq: 19 Jun 2024 17:39

Instrument :

MSVOA_N

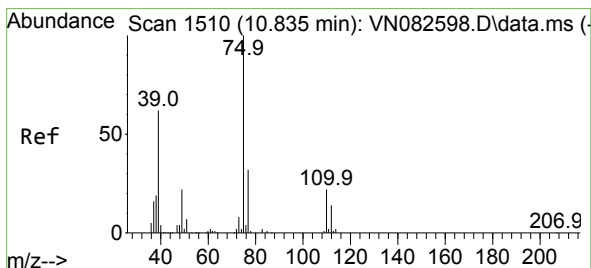
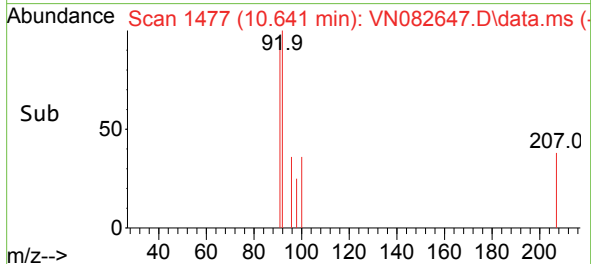
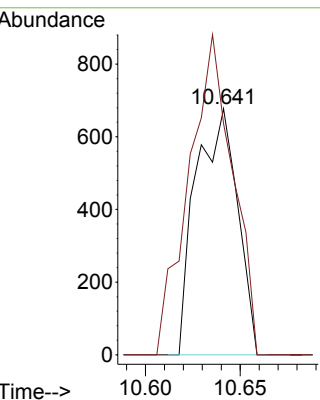
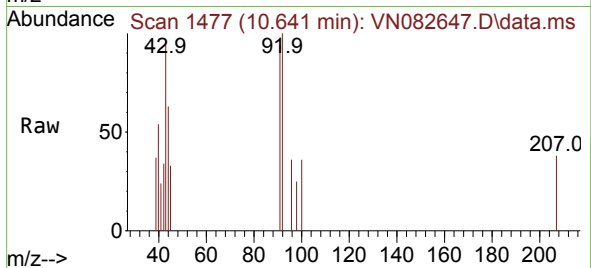
ClientSampleId :

Tgt Ion: 92 Resp: 1034

Ion Ratio Lower Upper

92 100

91 137.3 139.4 209.0#



#53

t-1,3-Dichloropropene

Concen: 0.232 ug/l

RT: 10.729 min Scan# 1492

Delta R.T. -0.106 min

Lab File: VN082647.D

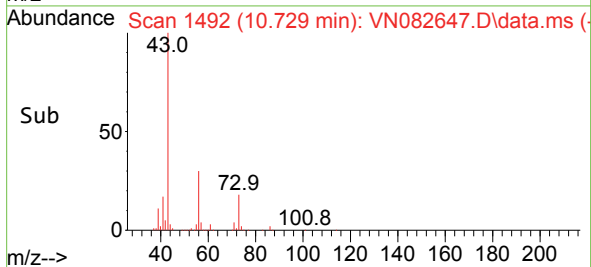
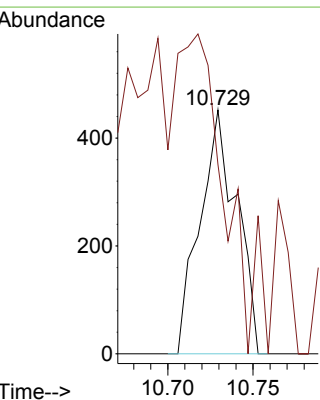
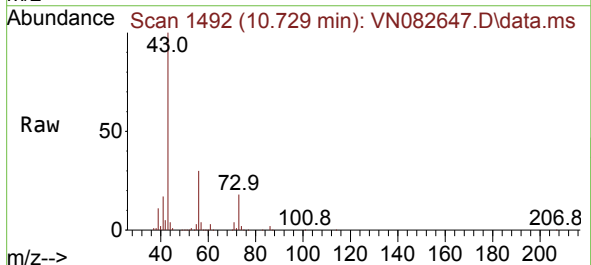
Acq: 19 Jun 2024 17:39

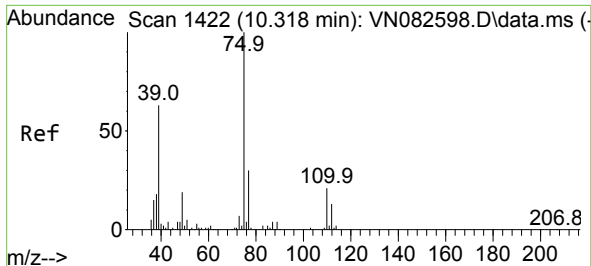
Tgt Ion: 75 Resp: 679

Ion Ratio Lower Upper

75 100

77 77.7 25.7 38.5#

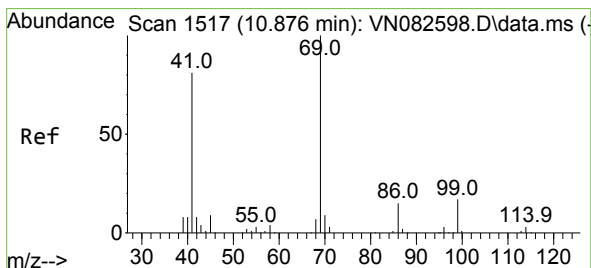
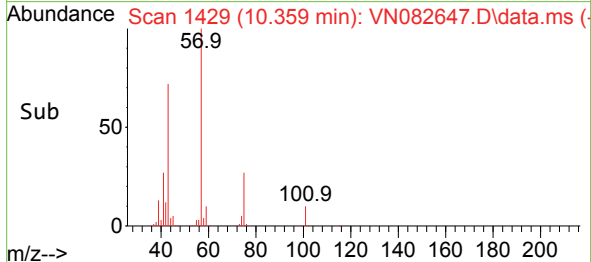
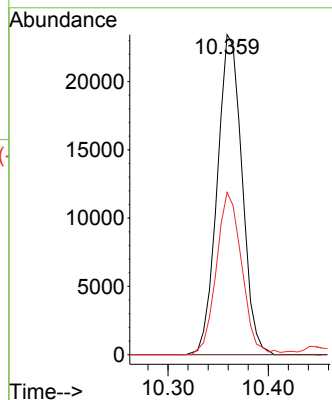
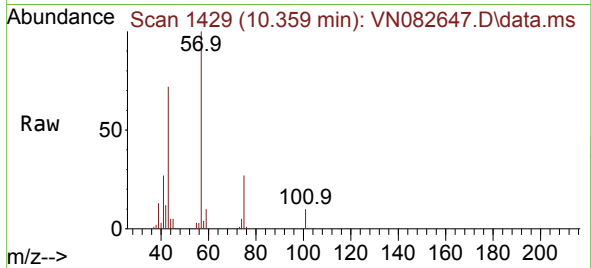




#54
 cis-1,3-Dichloropropene
 Concen: 13.278 ug/l
 RT: 10.359 min Scan# 1422
 Delta R.T. 0.041 min
 Lab File: VN082647.D
 Acq: 19 Jun 2024 17:39

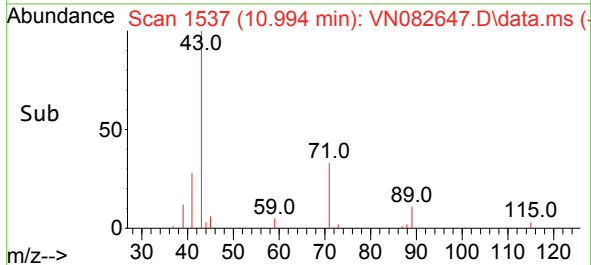
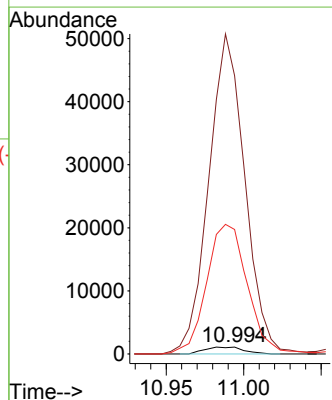
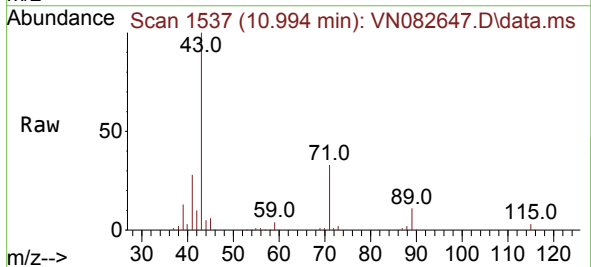
Instrument :
 MSVOA_N
 ClientSampleId :

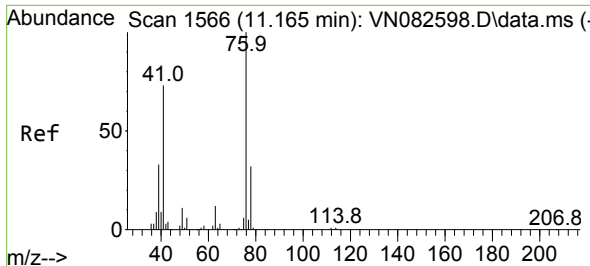
Tgt Ion: 75 Resp: 40271
 Ion Ratio Lower Upper
 75 100
 77 0.0 24.3 36.5#
 39 50.7 50.5 75.7



#56
 Ethyl methacrylate
 Concen: 0.681 ug/l
 RT: 10.994 min Scan# 1537
 Delta R.T. 0.118 min
 Lab File: VN082647.D
 Acq: 19 Jun 2024 17:39

Tgt Ion: 69 Resp: 1908
 Ion Ratio Lower Upper
 69 100
 41 4316.4 63.4 95.2#
 39 1976.2 37.4 56.0#

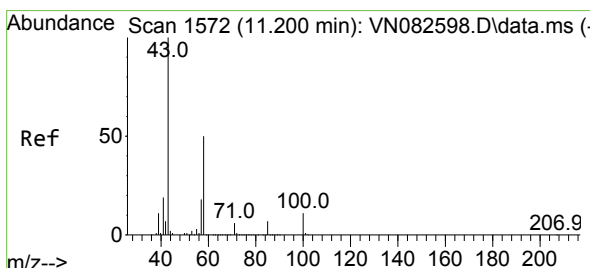
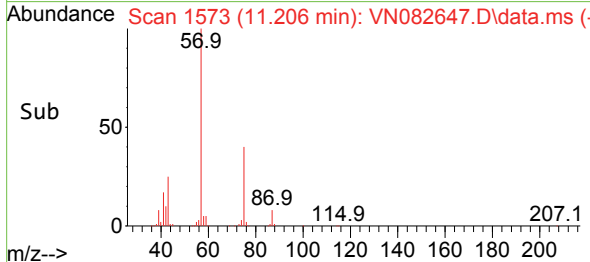
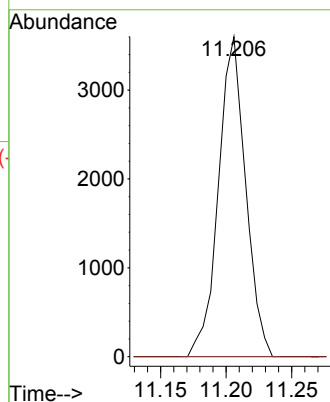
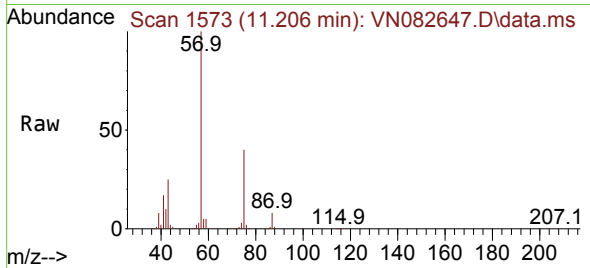




#57
1,3-Dichloropropane
Concen: 1.661 ug/l
RT: 11.206 min Scan# 11
Delta R.T. 0.041 min
Lab File: VN082647.D
Acq: 19 Jun 2024 17:39

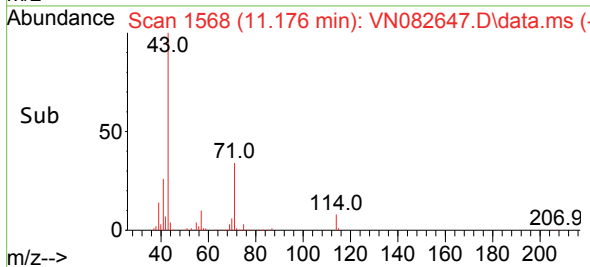
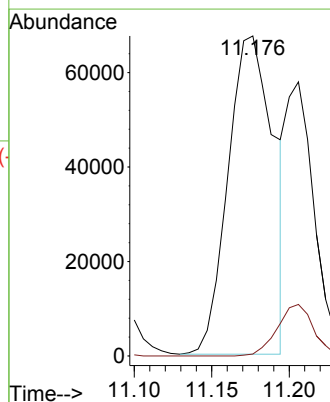
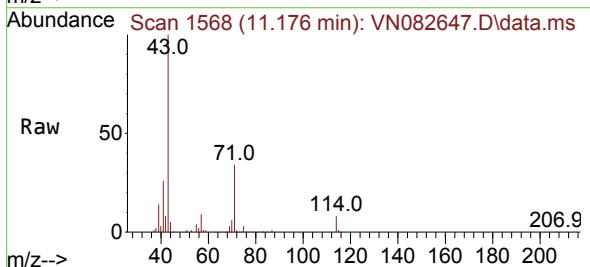
Instrument :
MSVOA_N
ClientSampleId :

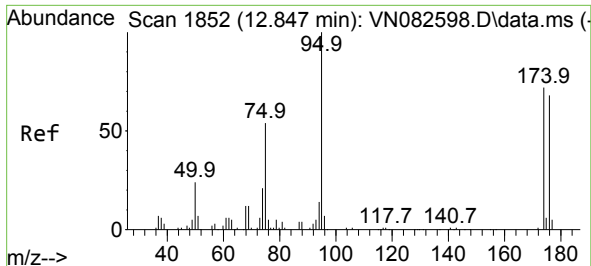
Tgt Ion: 76 Resp: 5193
Ion Ratio Lower Upper
76 100
78 0.0 25.6 38.4#



#59
2-Hexanone
Concen: 59.529 ug/l
RT: 11.176 min Scan# 1568
Delta R.T. -0.023 min
Lab File: VN082647.D
Acq: 19 Jun 2024 17:39

Tgt Ion: 43 Resp: 137886
Ion Ratio Lower Upper
43 100
58 0.0 24.6 73.8#

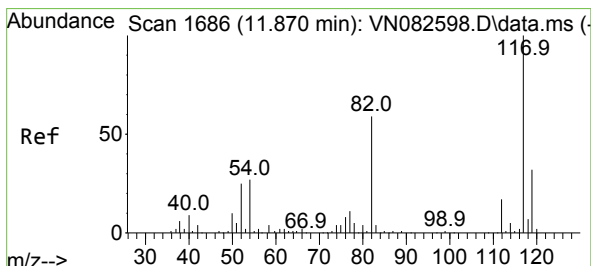
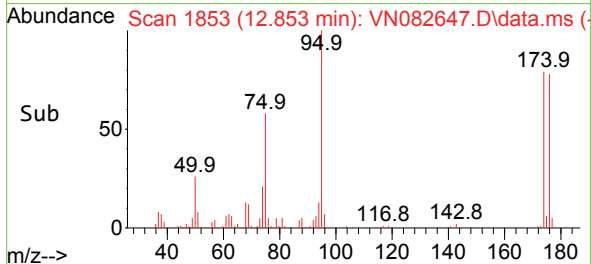
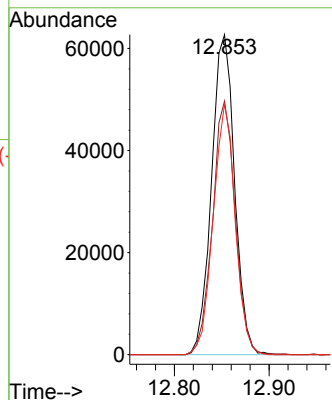
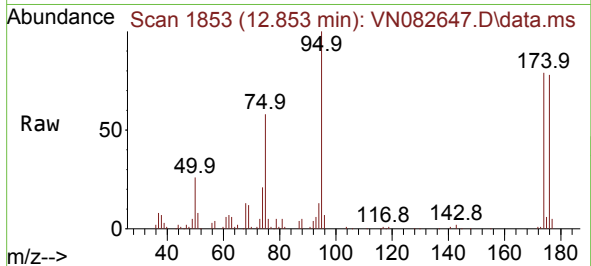




#62
4-Bromofluorobenzene
Concen: 48.607 ug/l
RT: 12.853 min Scan# 11
Delta R.T. 0.006 min
Lab File: VN082647.D
Acq: 19 Jun 2024 17:39

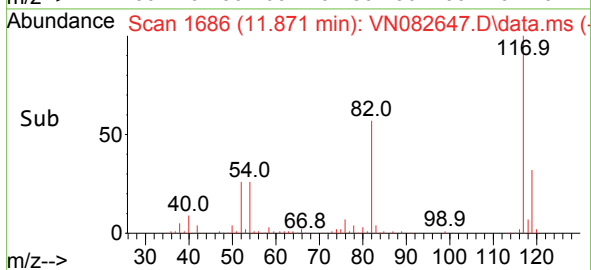
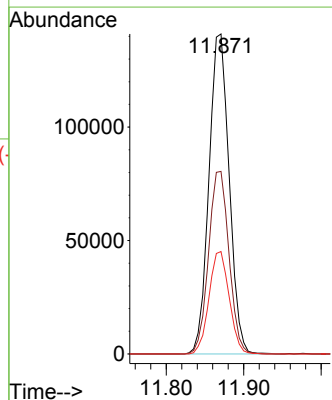
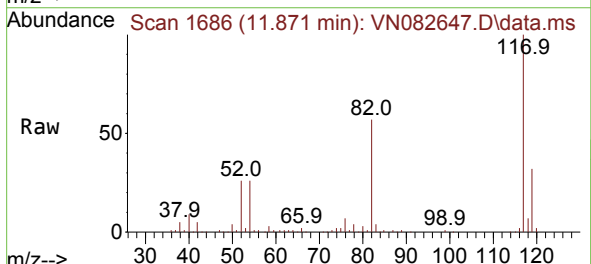
Instrument :
MSVOA_N
ClientSampleId :

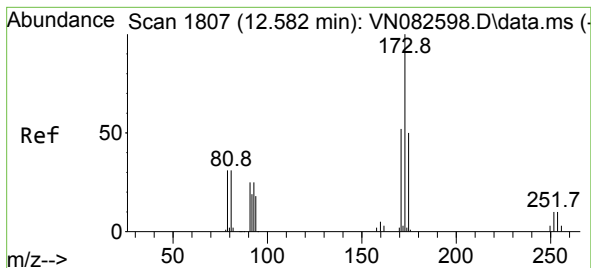
Tgt Ion: 95 Resp: 105811
Ion Ratio Lower Upper
95 100
174 78.5 0.0 159.2
176 75.0 0.0 147.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.871 min Scan# 1686
Delta R.T. 0.000 min
Lab File: VN082647.D
Acq: 19 Jun 2024 17:39

Tgt Ion: 117 Resp: 255602
Ion Ratio Lower Upper
117 100
82 57.0 47.5 71.3
119 32.0 25.6 38.4





#71

Bromoform

Concen: 0.538 ug/l

RT: 12.847 min Scan# 1807

Delta R.T. 0.265 min

Lab File: VN082647.D

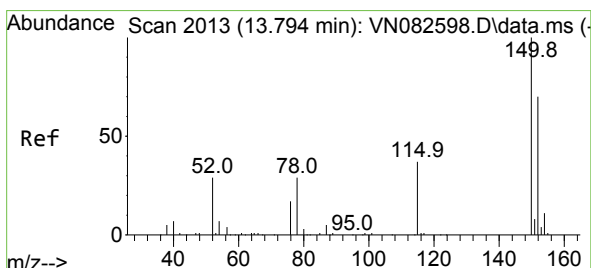
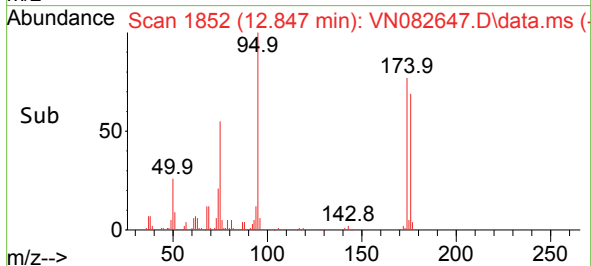
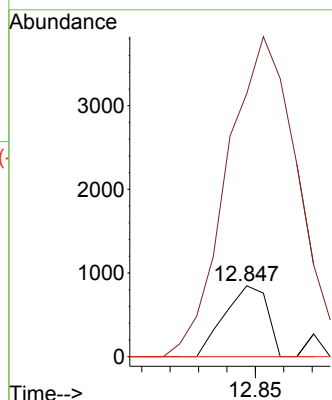
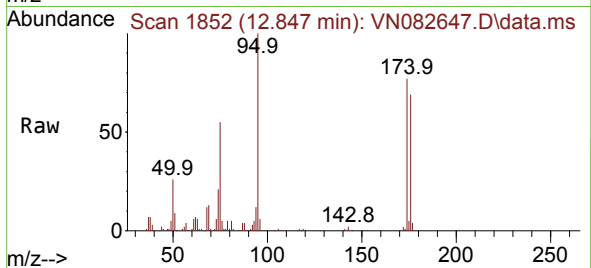
Acq: 19 Jun 2024 17:39

Instrument :

MSVOA_N

ClientSampleId :

Tgt Ion:173	Resp:	889
Ion Ratio	Lower	Upper
173	100	
175	586.5	24.0 72.0#
254	0.0	0.0 0.0



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

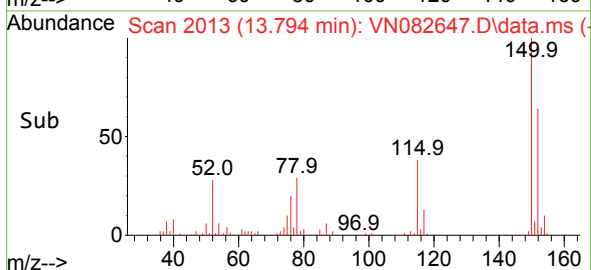
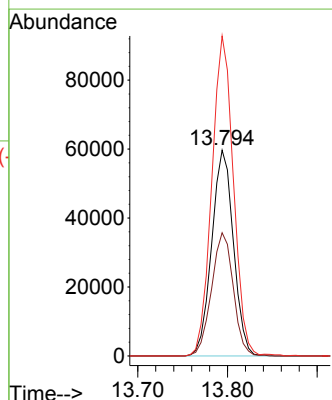
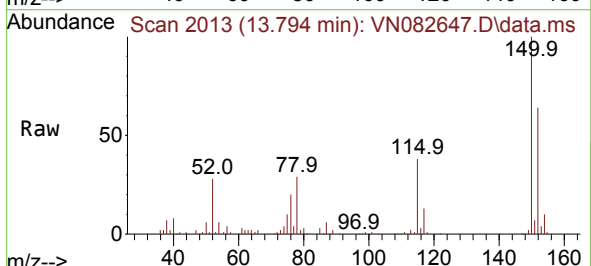
RT: 13.794 min Scan# 2013

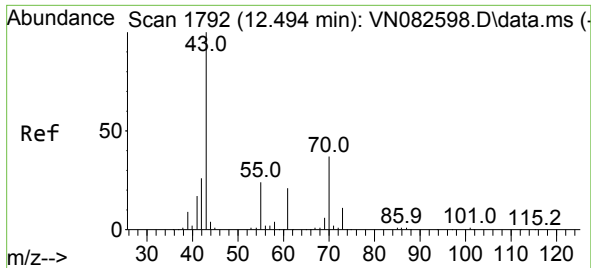
Delta R.T. 0.000 min

Lab File: VN082647.D

Acq: 19 Jun 2024 17:39

Tgt Ion:152	Resp:	100264
Ion Ratio	Lower	Upper
152	100	
115	60.0	30.6 91.6
150	154.7	0.0 348.6

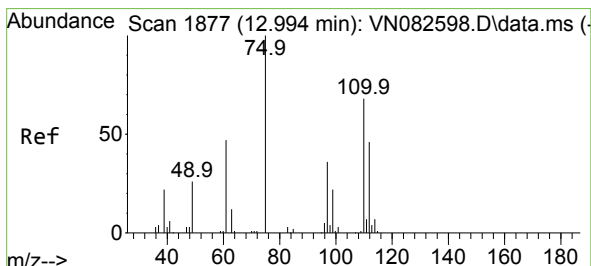
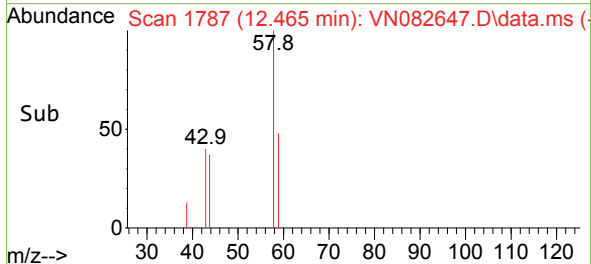
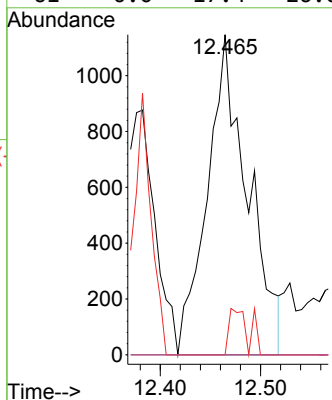
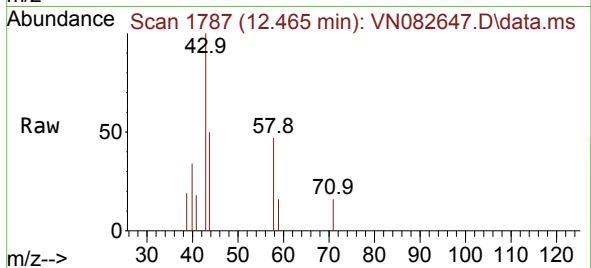




#74
N-amy1 acetate
Concen: 0.786 ug/l
RT: 12.465 min Scan# 1
Delta R.T. -0.029 min
Lab File: VN082647.D
Acq: 19 Jun 2024 17:39

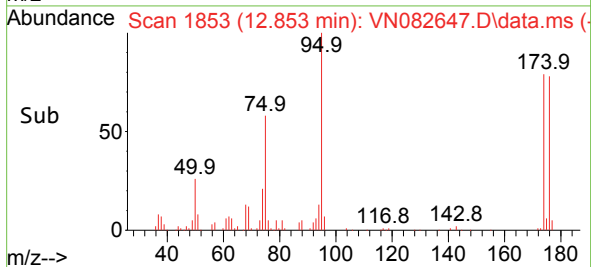
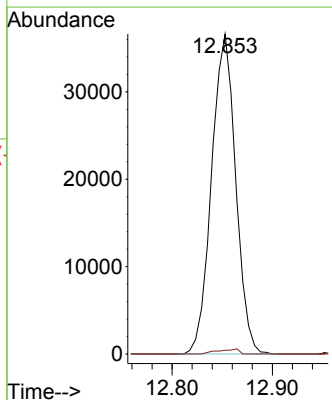
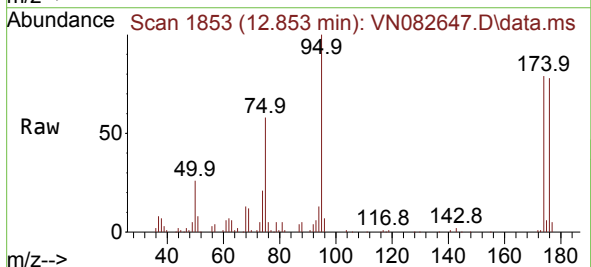
Instrument :
MSVOA_N
ClientSampleId :

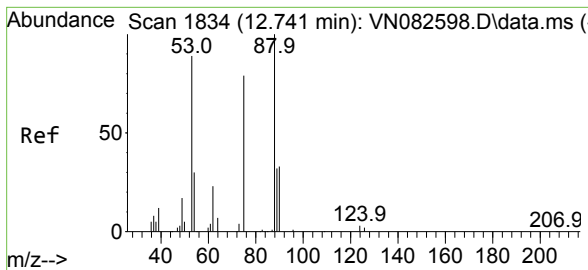
Tgt Ion: 43	Resp: 3194
Ion Ratio	Lower Upper
43 100	
70 0.0	29.8 44.6#
55 7.0	18.7 28.1#
61 0.0	17.4 26.0#



#76
1,2,3-Trichloropropane
Concen: 24.969 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. -0.141 min
Lab File: VN082647.D
Acq: 19 Jun 2024 17:39

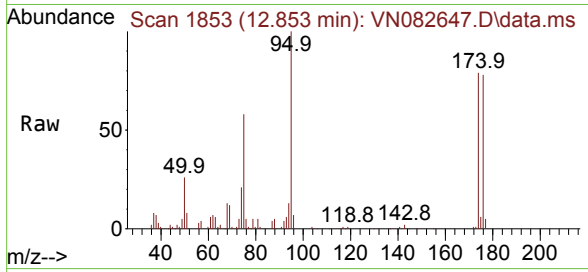
Tgt Ion: 75	Resp: 61232
Ion Ratio	Lower Upper
75 100	
77 1.3	110.9 332.6#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 59.737 ug/l
 RT: 12.853 min Scan# 11
 Delta R.T. 0.112 min
 Lab File: VN082647.D
 Acq: 19 Jun 2024 17:39

Instrument :
 MSVOA_N
 ClientSampleId :



Tgt Ion:	75	Resp:	61232
Ion	Ratio	Lower	Upper
75	100		
53	0.0	88.4	132.6#
89	0.0	36.3	54.5#

