

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN081023\
 Data File : VN078846.D
 Acq On : 10 Aug 2023 18:45
 Operator : JC\MD
 Sample : PB154726ZHE#17
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

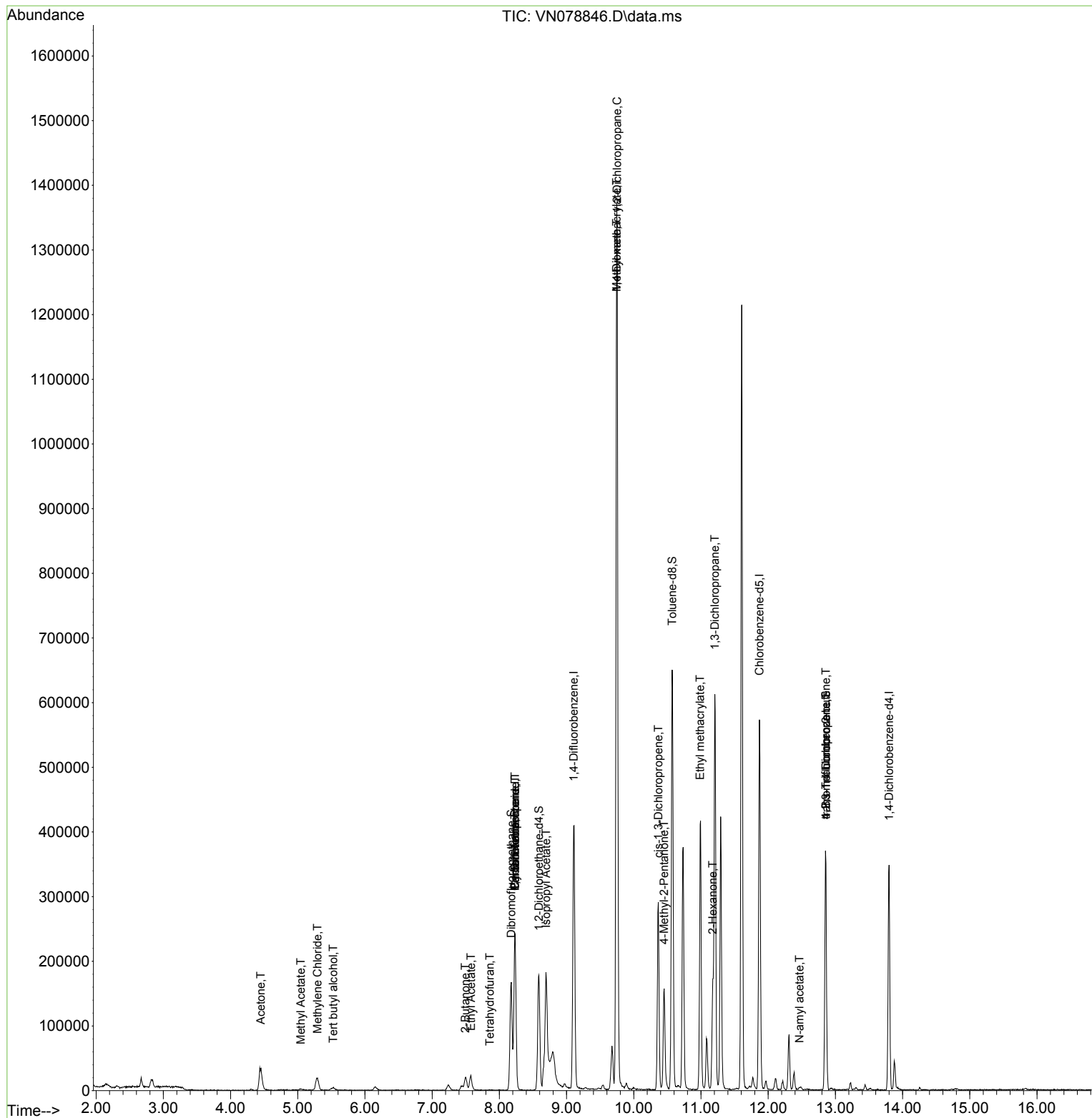
Quant Time: Aug 10 23:55:59 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N080723W.M
 Quant Title : SW846 8260
 QLast Update : Tue Aug 08 05:03:52 2023
 Response via : Initial Calibration

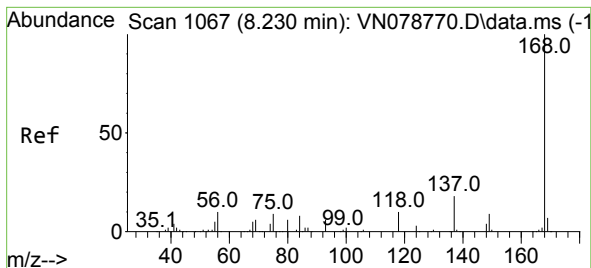
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	8.236	168	169565	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	342995	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.871	117	310511	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.800	152	89744	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.588	65	142319	55.986	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	111.980%
35) Dibromofluoromethane	8.177	113	114685	49.512	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	99.020%
50) Toluene-d8	10.571	98	432078	50.690	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	101.380%
62) 4-Bromofluorobenzene	12.859	95	120558	47.325	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	94.640%
Target Compounds						Qvalue
11) Tert butyl alcohol	5.530	59	1589	3.562	ug/l	95
16) Acetone	4.448	43	67543	69.057	ug/l #	85
18) Methyl Acetate	5.048	43	4414	1.005	ug/l #	62
20) Methylene Chloride	5.295	84	13885	5.732	ug/l #	78
25) 2-Butanone	7.494	43	32359	19.538	ug/l #	75
29) Tetrahydrofuran	7.859	42	408	0.368	ug/l #	20
31) Cyclohexane	8.230	56	5195	1.391	ug/l #	34
36) 1,1-Dichloropropene	8.236	75	15404	4.287	ug/l #	47
37) Ethyl Acetate	7.577	43	32868	8.603	ug/l #	92
38) Carbon Tetrachloride	8.236	117	18857	5.090	ug/l #	15
43) Isopropyl Acetate	8.694	43	243308	37.771	ug/l #	69
45) 1,2-Dichloropropane	9.753	63	1799	0.617	ug/l #	45
48) Methyl methacrylate	9.747	41	123909	41.631	ug/l #	29
49) 1,4-Dioxane	9.747	88	59	1.221	ug/l #	1
51) 4-Methyl-2-Pentanone	10.453	43	115901	29.374	ug/l #	83
54) cis-1,3-Dichloropropene	10.365	75	50926	11.885	ug/l #	74
56) Ethyl methacrylate	10.988	69	1833	0.479	ug/l #	1
57) 1,3-Dichloropropane	11.206	76	5470	1.192	ug/l #	44
59) 2-Hexanone	11.177	43	134746	48.229	ug/l #	19
74) N-amyl acetate	12.465	43	2801	0.699	ug/l #	38
76) 1,2,3-Trichloropropane	12.859	75	66014	27.207	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.859	75	66014	73.005	ug/l #	15

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

Instrument :
MSVOA_N
ClientSampleId :

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MSVOA_N
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 8.236 min Scan# 1

Delta R.T. 0.006 min

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MSVOA_N

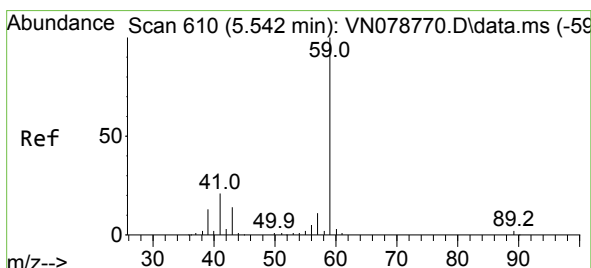
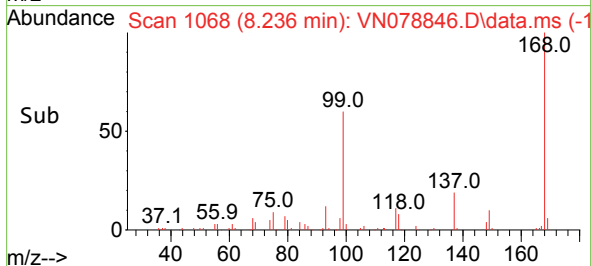
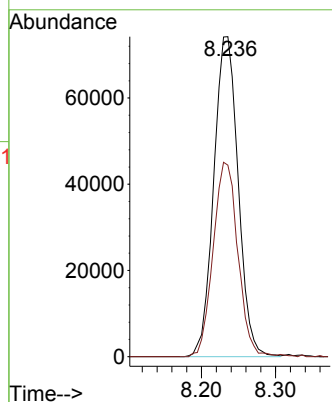
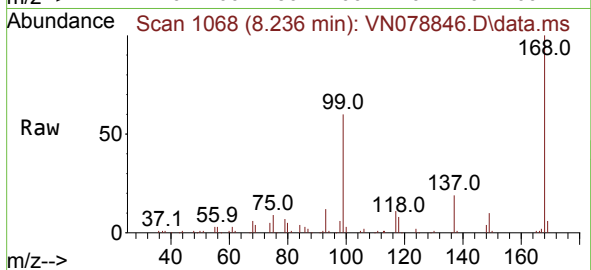
ClientSampleId :

Tgt Ion:168 Resp: 169565

Ion Ratio Lower Upper

168 100

99 59.8 53.0 79.6



#11

Tert butyl alcohol

Concen: 3.562 ug/l

RT: 5.530 min Scan# 608

Delta R.T. -0.012 min

Lab File: VN078846.D

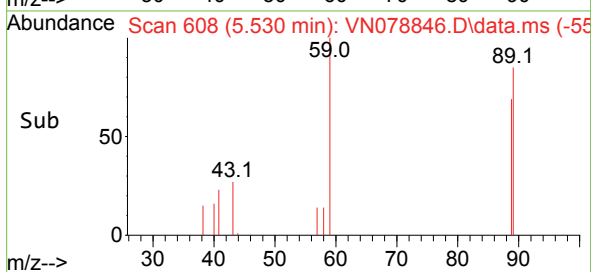
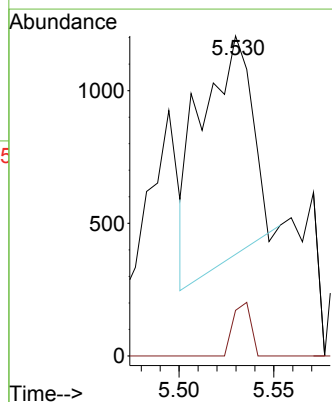
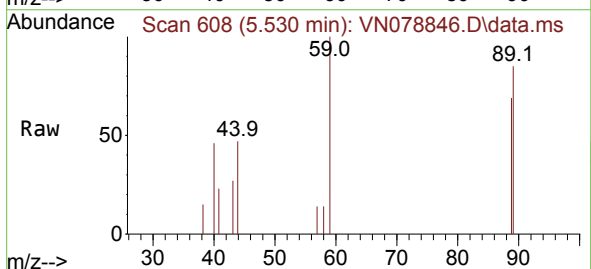
Acq: 10 Aug 2023 18:45

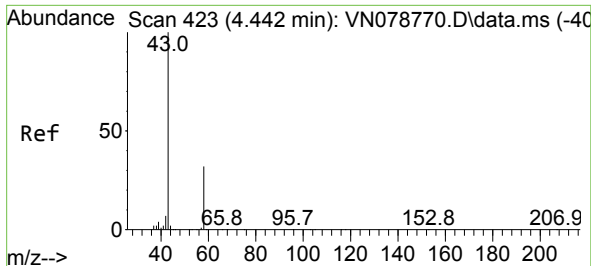
Tgt Ion: 59 Resp: 1589

Ion Ratio Lower Upper

59 100

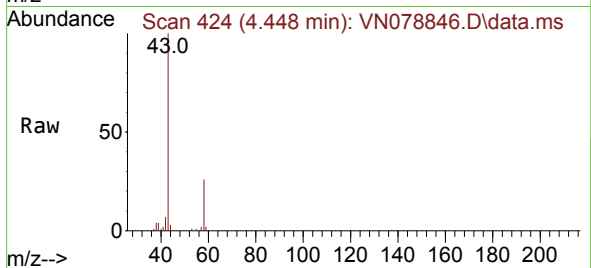
57 8.3 8.2 12.4



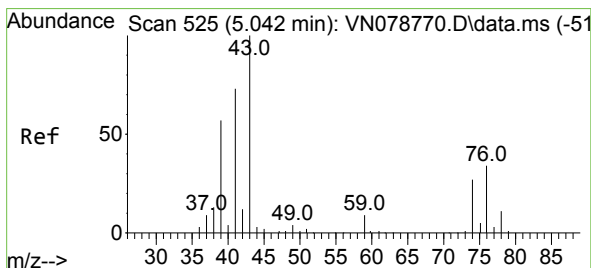
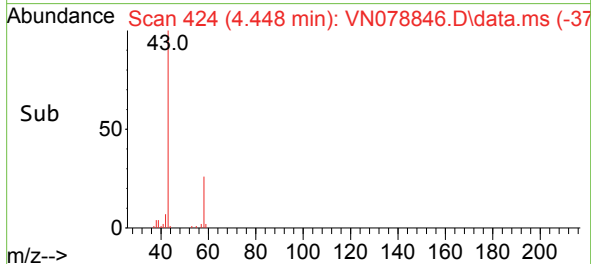
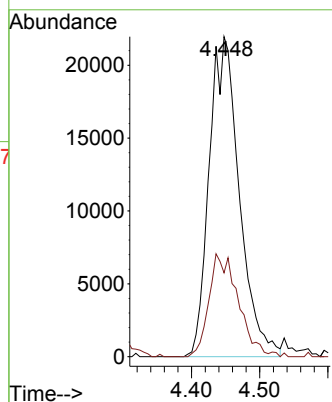


#16
Acetone
Concen: 69.057 ug/l
RT: 4.448 min Scan# 41
Delta R.T. 0.006 min
Lab File: VN078846.D
Acq: 10 Aug 2023 18:45

Instrument :
MSVOA_N
ClientSampleId :

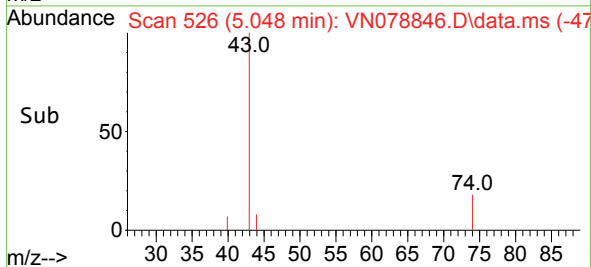
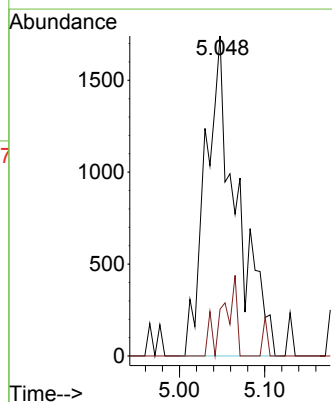
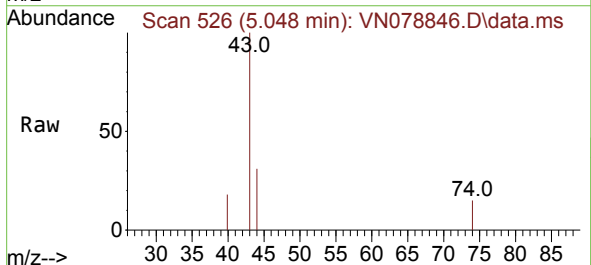


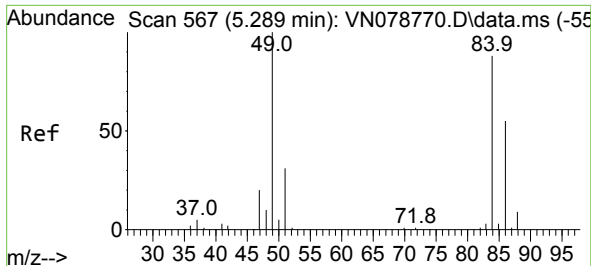
Tgt Ion: 43 Resp: 67543
Ion Ratio Lower Upper
43 100
58 26.2 28.0 42.0#



#18
Methyl Acetate
Concen: 1.005 ug/l
RT: 5.048 min Scan# 526
Delta R.T. 0.006 min
Lab File: VN078846.D
Acq: 10 Aug 2023 18:45

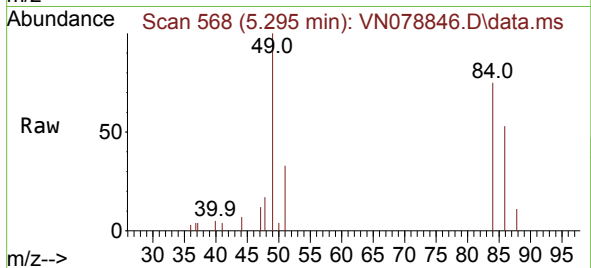
Tgt Ion: 43 Resp: 4414
Ion Ratio Lower Upper
43 100
74 11.2 26.2 39.4#





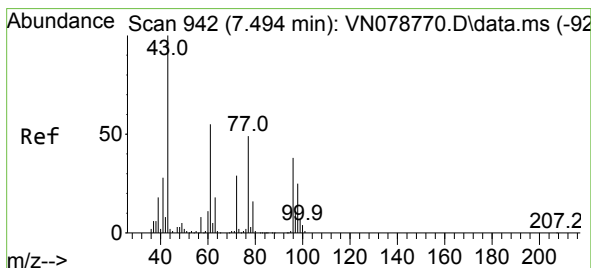
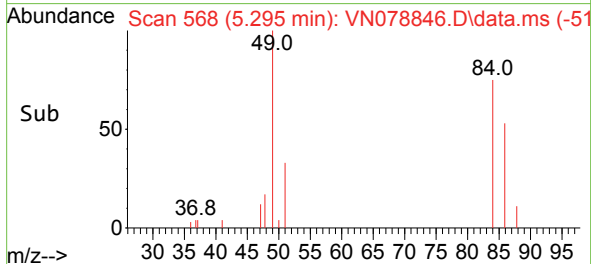
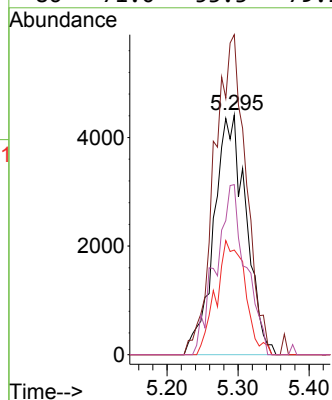
#20
Methylene Chloride
Concen: 5.732 ug/l
RT: 5.295 min Scan# 51
Delta R.T. 0.006 min
Lab File: VN078846.D
Acq: 10 Aug 2023 18:45

Instrument :
MSVOA_N
ClientSampleId :



Tgt Ion: 84 Resp: 13885

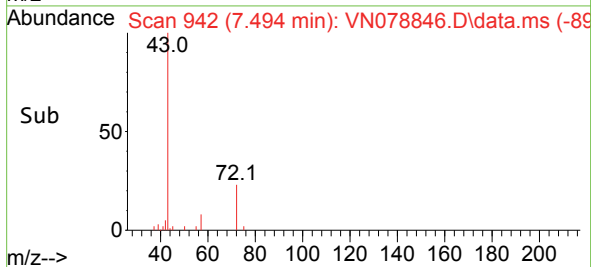
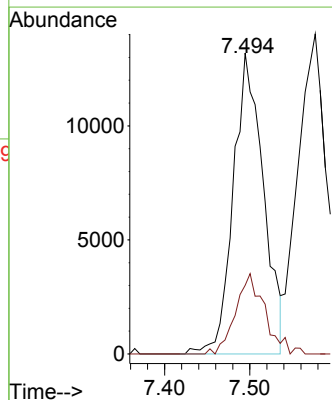
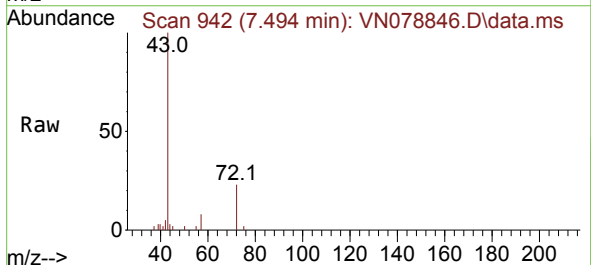
Ion	Ratio	Lower	Upper
84	100		
49	133.5	79.7	119.5#
51	43.7	25.2	37.8#
86	71.0	53.3	79.9

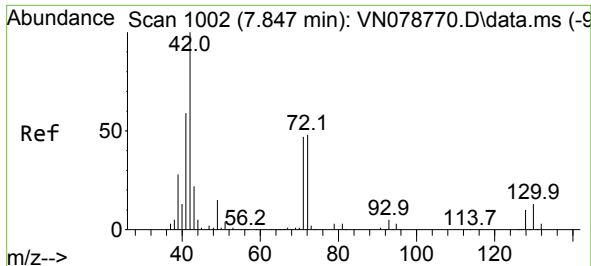


#25
2-Butanone
Concen: 19.538 ug/l
RT: 7.494 min Scan# 942
Delta R.T. 0.000 min
Lab File: VN078846.D
Acq: 10 Aug 2023 18:45

Tgt Ion: 43 Resp: 32359

Ion	Ratio	Lower	Upper
43	100		
72	22.8	30.2	45.2#





#29

Tetrahydrofuran

Concen: 0.368 ug/l

RT: 7.859 min Scan# 1004

Delta R.T. 0.012 min

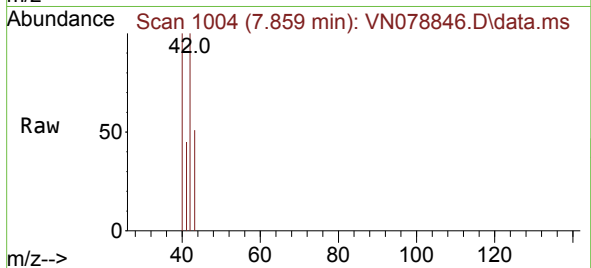
Lab File: VN078846.D

Acq: 10 Aug 2023 18:45

Instrument :

MSVOA_N

ClientSampleId :



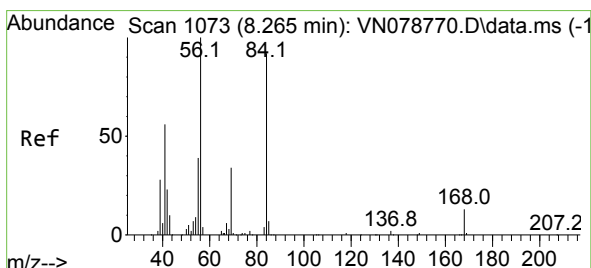
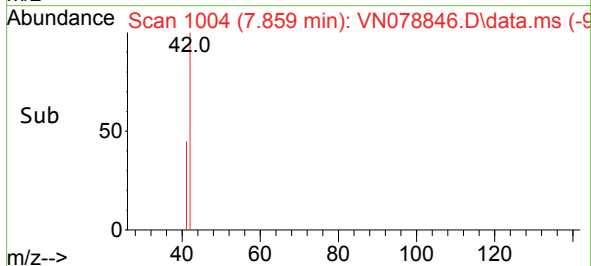
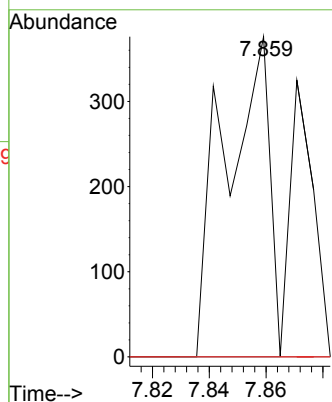
Tgt Ion: 42 Resp: 408

Ion Ratio Lower Upper

42 100

72 0.0 49.8 74.6#

71 0.0 47.4 71.2#



#31

Cyclohexane

Concen: 1.391 ug/l

RT: 8.230 min Scan# 1067

Delta R.T. -0.035 min

Lab File: VN078846.D

Acq: 10 Aug 2023 18:45

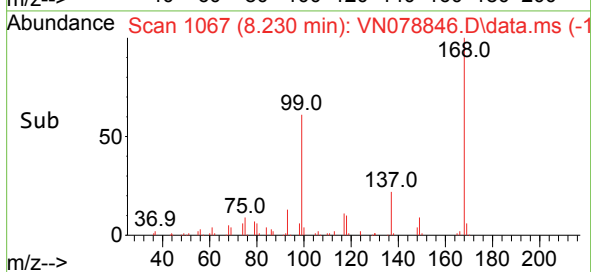
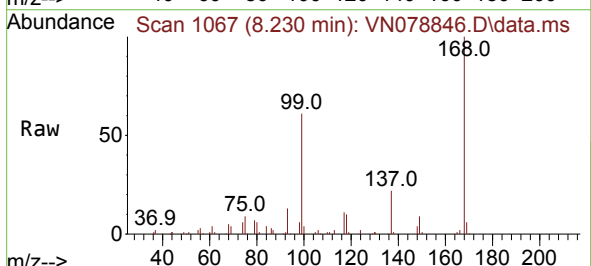
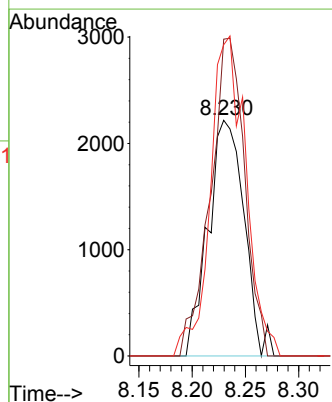
Tgt Ion: 56 Resp: 5195

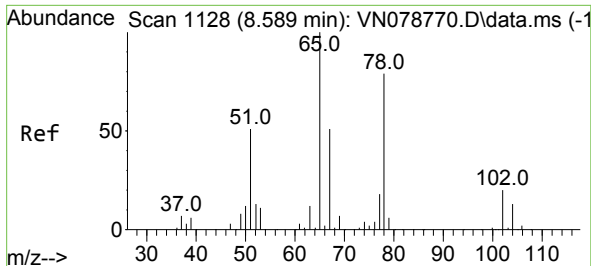
Ion Ratio Lower Upper

56 100

69 134.4 26.8 40.2#

84 132.0 81.8 122.6#





#33

1,2-Dichloroethane-d4

Concen: 55.986 ug/l

RT: 8.588 min Scan# 1128

Delta R.T. -0.000 min

Lab File: VN078846.D

Acq: 10 Aug 2023 18:45

Instrument :

MSVOA_N

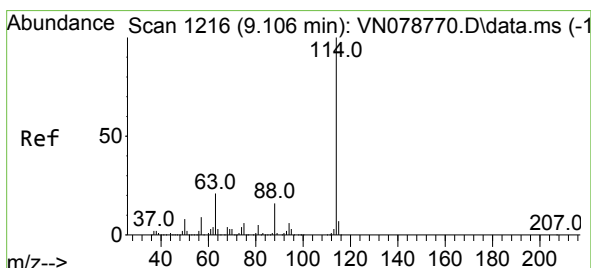
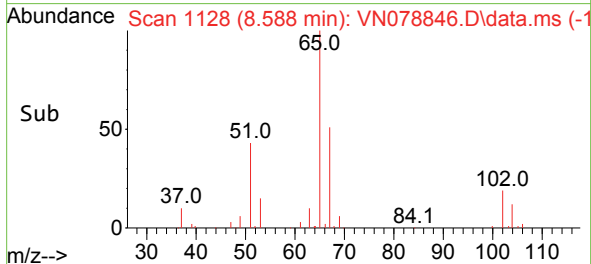
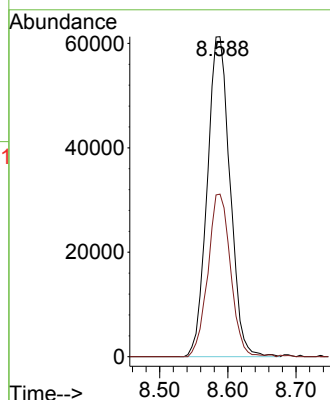
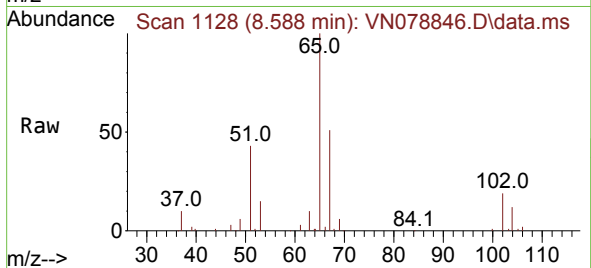
ClientSampleId :

Tgt Ion: 65 Resp: 142319

Ion Ratio Lower Upper

65 100

67 50.6 0.0 106.6



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.106 min Scan# 1216

Delta R.T. -0.000 min

Lab File: VN078846.D

Acq: 10 Aug 2023 18:45

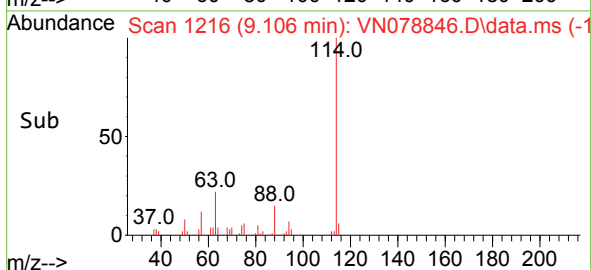
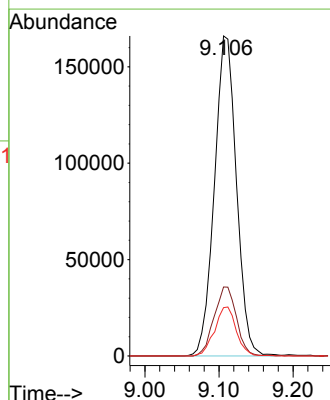
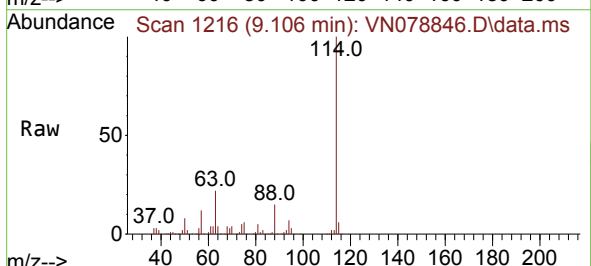
Tgt Ion: 114 Resp: 342995

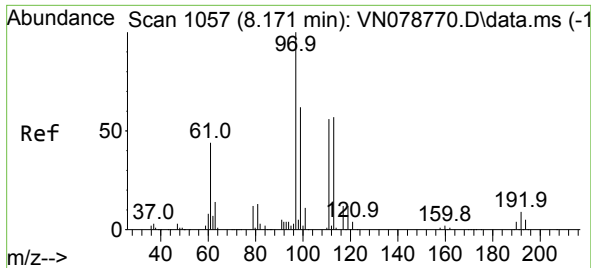
Ion Ratio Lower Upper

114 100

63 21.6 0.0 36.4

88 15.1 0.0 30.6

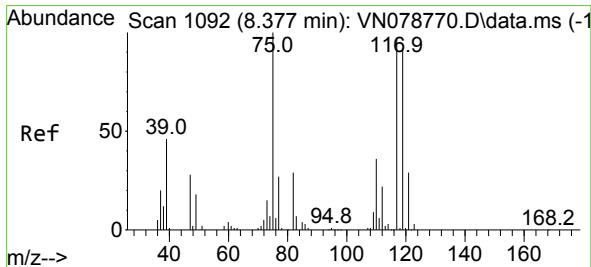
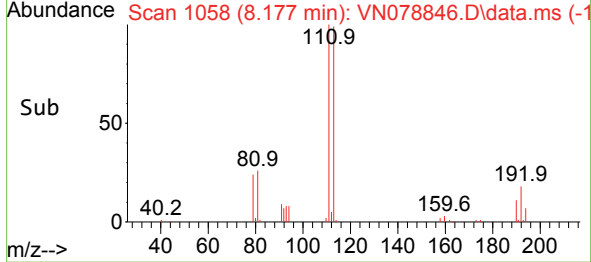
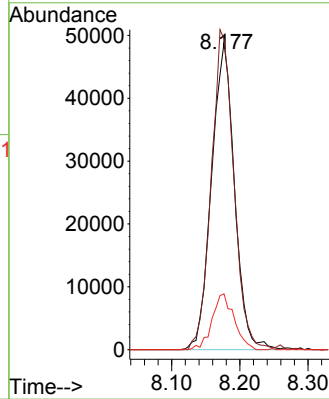
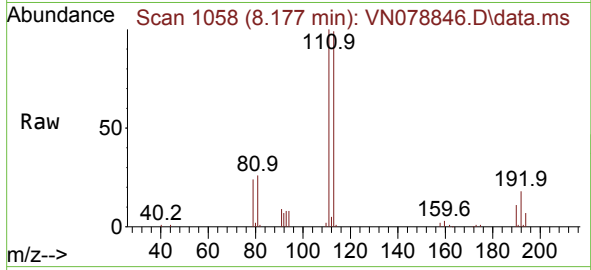




#35
Dibromofluoromethane
Concen: 49.512 ug/l
RT: 8.177 min Scan# 1057
Delta R.T. 0.006 min
Lab File: VN078846.D
Acq: 10 Aug 2023 18:45

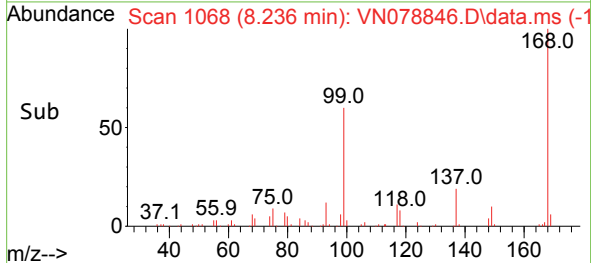
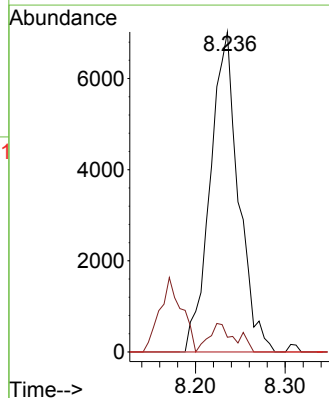
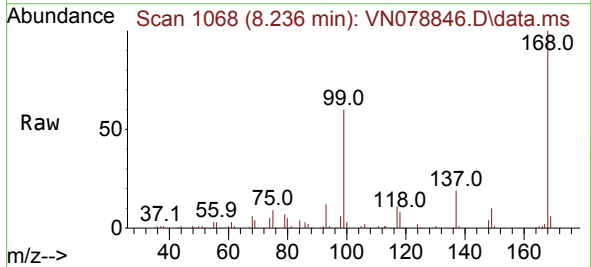
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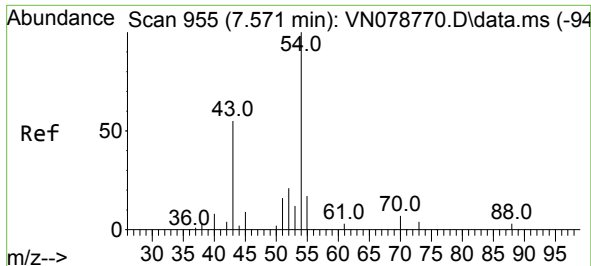
Tgt Ion:113 Resp: 114685
Ion Ratio Lower Upper
113 100
111 102.0 82.6 123.8
192 17.4 12.7 19.1



#36
1,1-Dichloropropene
Concen: 4.287 ug/l
RT: 8.236 min Scan# 1068
Delta R.T. -0.141 min
Lab File: VN078846.D
Acq: 10 Aug 2023 18:45

Tgt Ion: 75 Resp: 15404
Ion Ratio Lower Upper
75 100
110 7.7 19.1 57.3#
77 0.0 25.0 37.4#





#37

Ethyl Acetate

Concen: 8.603 ug/l

RT: 7.577 min Scan# 91

Delta R.T. 0.006 min

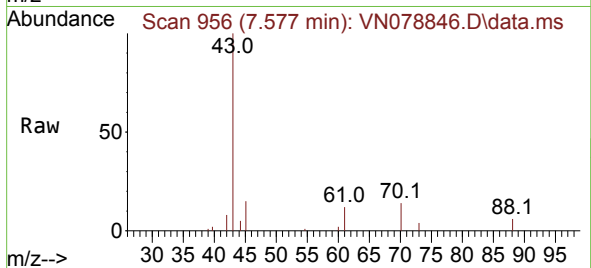
Lab File: VN078846.D

Acq: 10 Aug 2023 18:45

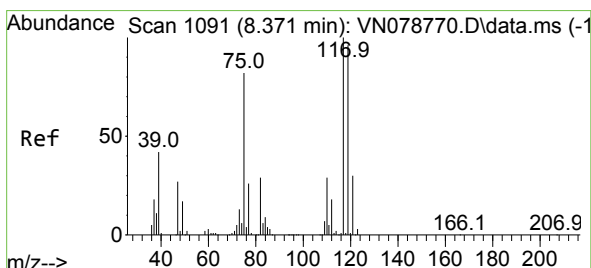
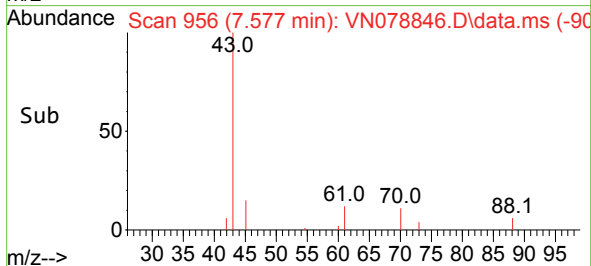
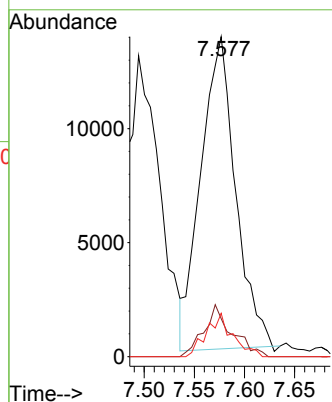
Instrument :

MSVOA_N

ClientSampleId :



Tgt Ion: 43	Resp: 32868
Ion Ratio	Lower Upper
43	100
61	13.5 13.2 19.8
70	10.5 11.3 16.9#



#38

Carbon Tetrachloride

Concen: 5.090 ug/l

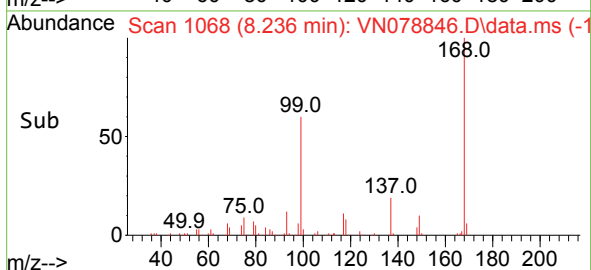
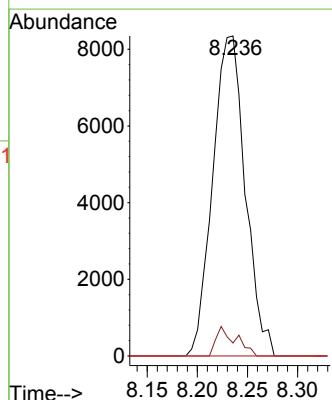
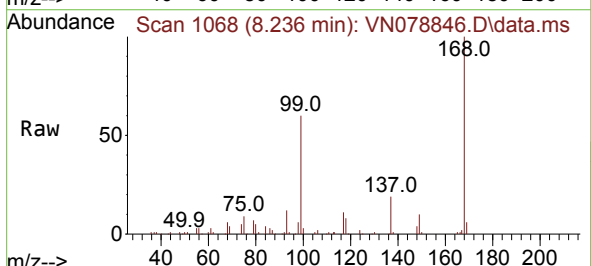
RT: 8.236 min Scan# 1068

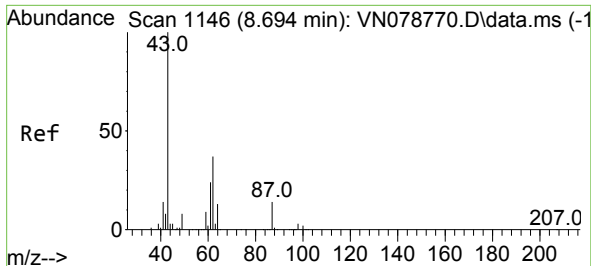
Delta R.T. -0.135 min

Lab File: VN078846.D

Acq: 10 Aug 2023 18:45

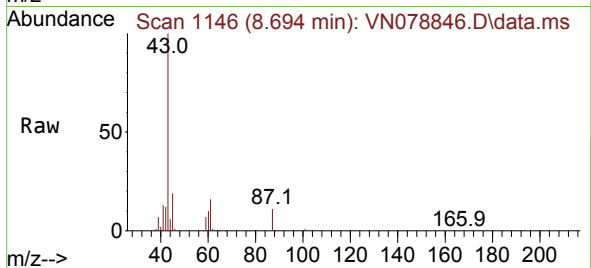
Tgt Ion: 117	Resp: 18857
Ion Ratio	Lower Upper
117	100
119	4.0 77.3 115.9#
121	0.0 23.3 34.9#



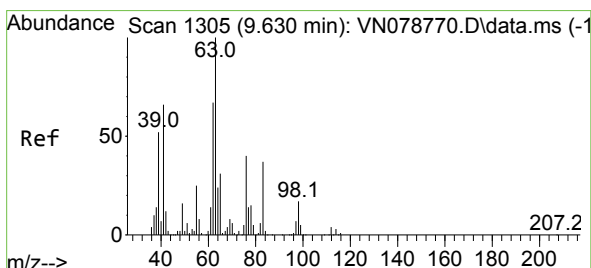
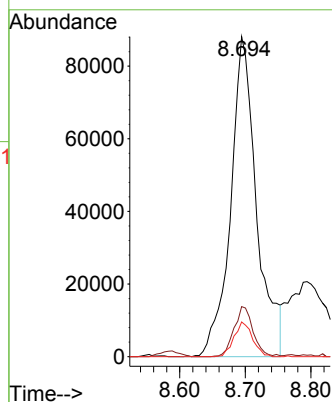
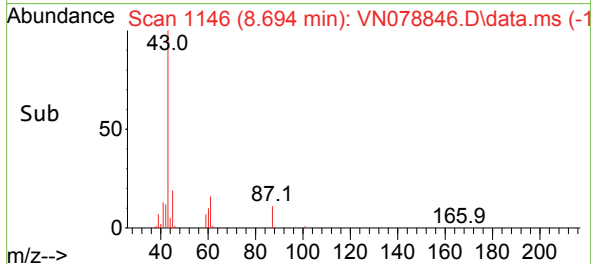


#43
Isopropyl Acetate
Concen: 37.771 ug/l
RT: 8.694 min Scan# 1146
Delta R.T. -0.000 min
Lab File: VN078846.D
Acq: 10 Aug 2023 18:45

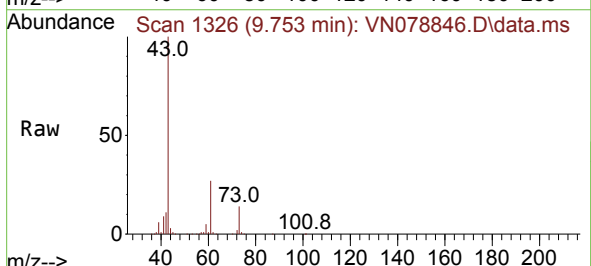
Instrument :
MSVOA_N
ClientSampleId :



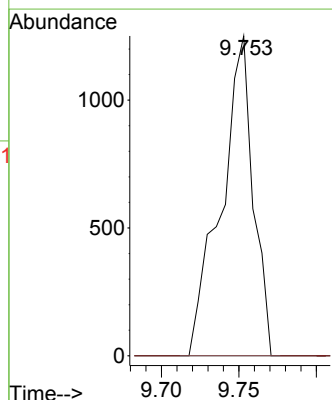
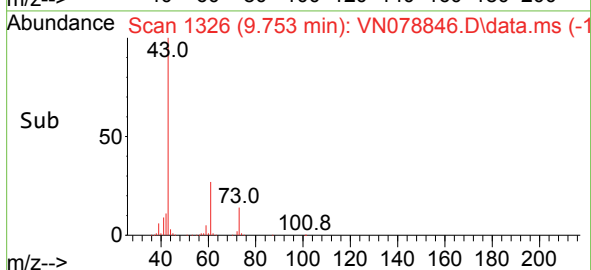
Tgt Ion: 43 Resp: 243308
Ion Ratio Lower Upper
43 100
61 11.6 24.7 37.1#
87 7.7 14.6 21.8#

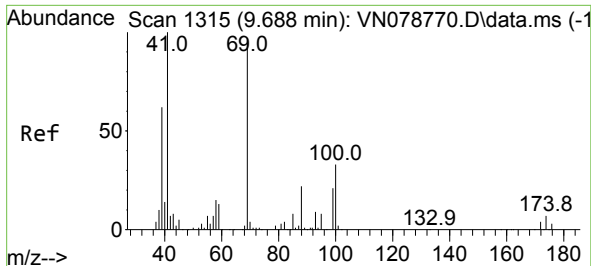


#45
1,2-Dichloropropane
Concen: 0.617 ug/l
RT: 9.753 min Scan# 1326
Delta R.T. 0.123 min
Lab File: VN078846.D
Acq: 10 Aug 2023 18:45



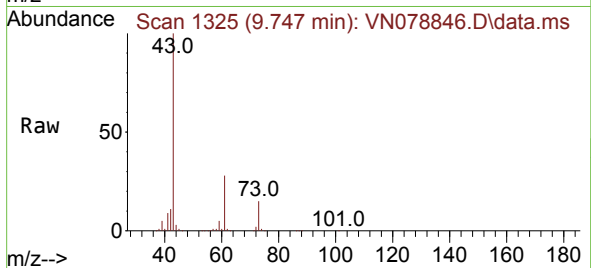
Tgt Ion: 63 Resp: 1799
Ion Ratio Lower Upper
63 100
65 0.0 23.9 35.9#



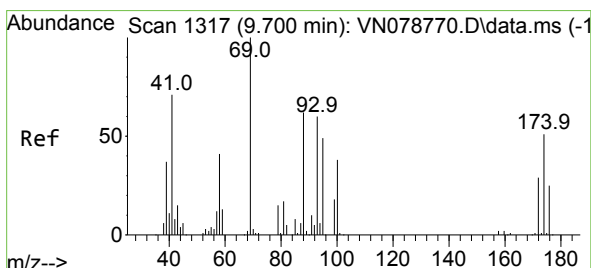
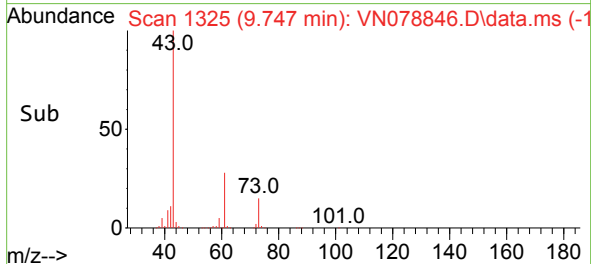
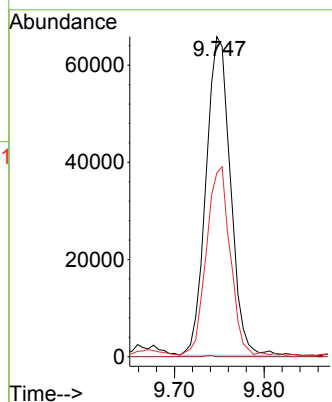


#48
Methyl methacrylate
Concen: 41.631 ug/l
RT: 9.747 min Scan# 1325
Delta R.T. 0.059 min
Lab File: VN078846.D
Acq: 10 Aug 2023 18:45

Instrument :
MSVOA_N
ClientSampleId :

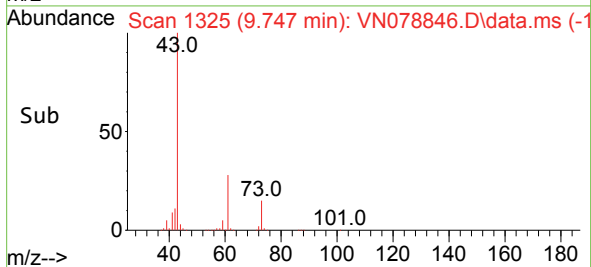
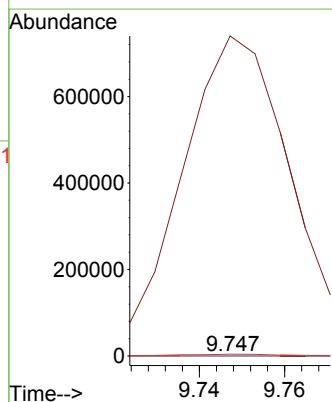
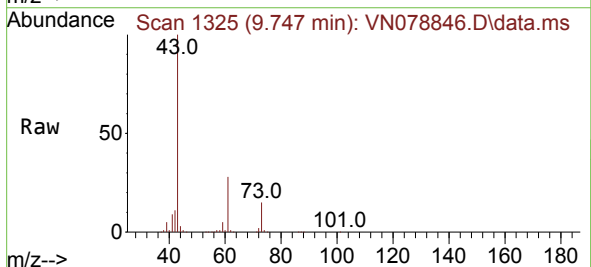


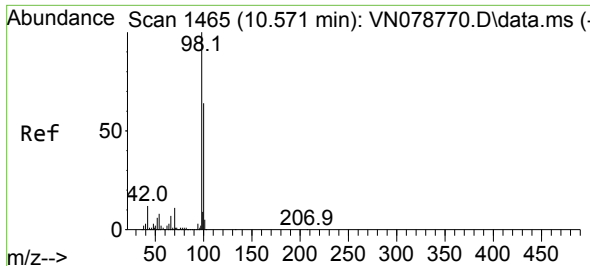
Tgt Ion: 41 Resp: 123909
Ion Ratio Lower Upper
41 100
69 0.1 90.4 135.6#
39 57.5 54.6 81.8



#49
1,4-Dioxane
Concen: 1.221 ug/l
RT: 9.747 min Scan# 1325
Delta R.T. 0.047 min
Lab File: VN078846.D
Acq: 10 Aug 2023 18:45

Tgt Ion: 88 Resp: 59
Ion Ratio Lower Upper
88 100
43 2297113.6 17.0 25.6#
58 12166.1 47.0 70.4#

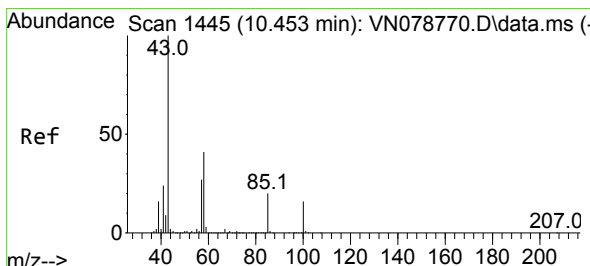
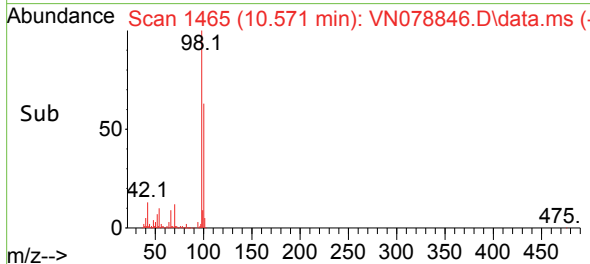
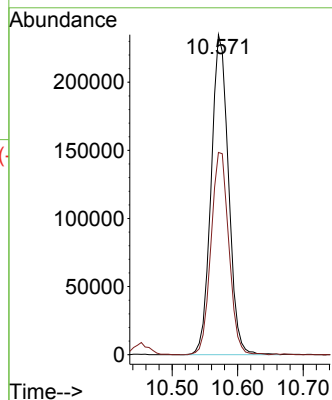
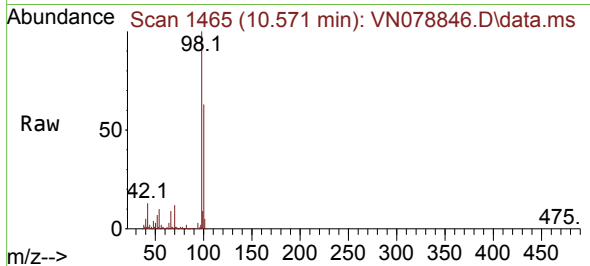




#50
Toluene-d8
Concen: 50.690 ug/l
RT: 10.571 min Scan# 1465
Delta R.T. -0.000 min
Lab File: VN078846.D
Acq: 10 Aug 2023 18:45

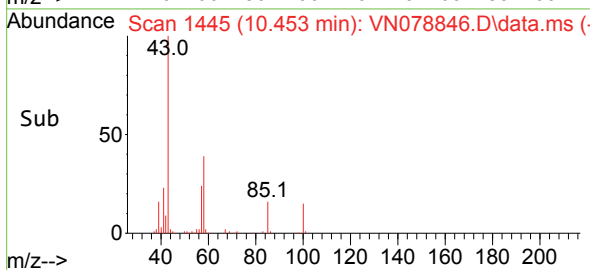
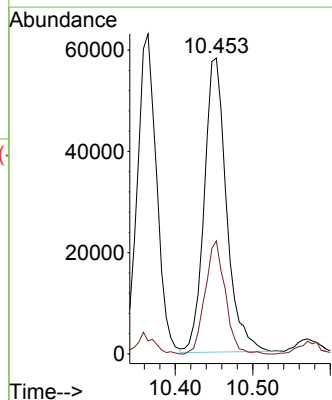
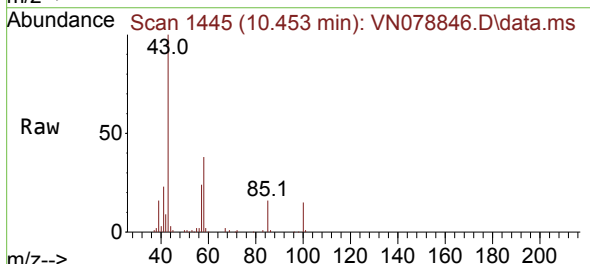
Instrument :
MSVOA_N
ClientSampleId :

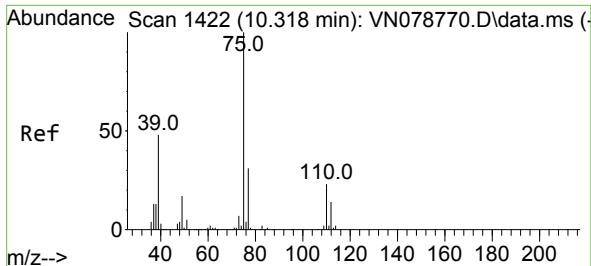
Tgt Ion: 98 Resp: 432078
Ion Ratio Lower Upper
98 100
100 64.9 52.0 78.0



#51
4-Methyl-2-Pentanone
Concen: 29.374 ug/l
RT: 10.453 min Scan# 1445
Delta R.T. 0.000 min
Lab File: VN078846.D
Acq: 10 Aug 2023 18:45

Tgt Ion: 43 Resp: 115901
Ion Ratio Lower Upper
43 100
58 34.8 36.6 54.8#

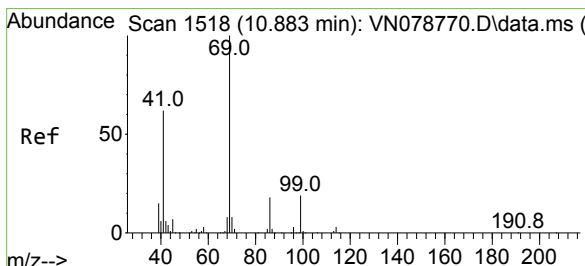
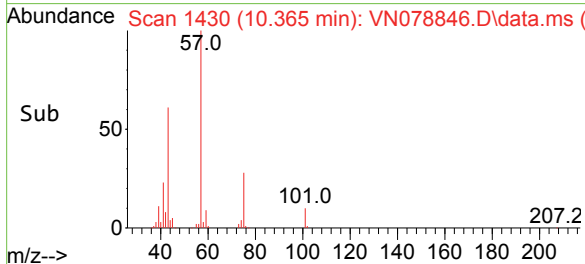
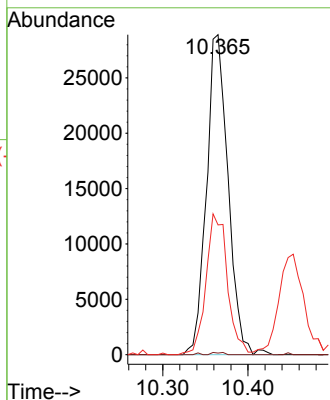
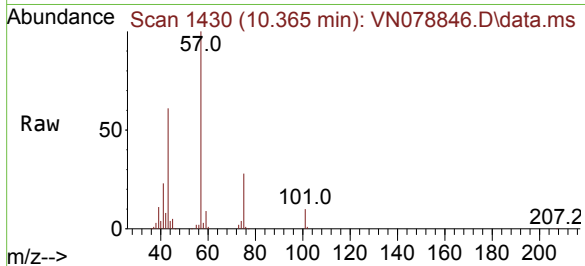




#54
 cis-1,3-Dichloropropene
 Concen: 11.885 ug/l
 RT: 10.365 min Scan# 1422
 Delta R.T. 0.047 min
 Lab File: VN078846.D
 Acq: 10 Aug 2023 18:45

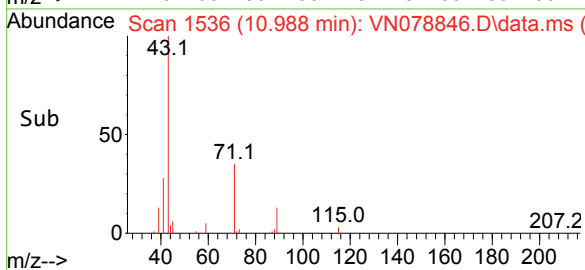
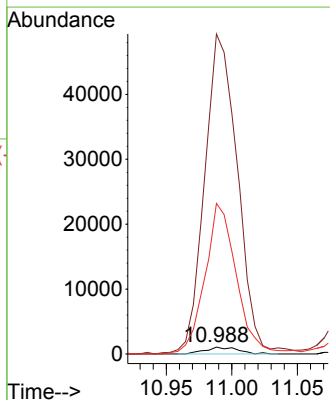
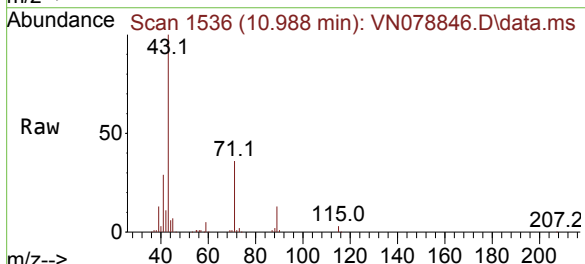
Instrument :
 MSVOA_N
 ClientSampleId :

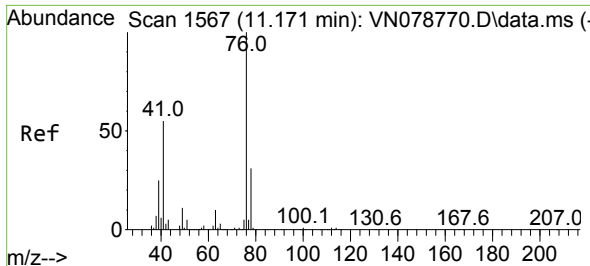
Tgt Ion: 75 Resp: 50926
 Ion Ratio Lower Upper
 75 100
 77 0.5 26.1 39.1#
 39 39.3 31.6 47.4



#56
 Ethyl methacrylate
 Concen: 0.479 ug/l
 RT: 10.988 min Scan# 1536
 Delta R.T. 0.106 min
 Lab File: VN078846.D
 Acq: 10 Aug 2023 18:45

Tgt Ion: 69 Resp: 1833
 Ion Ratio Lower Upper
 69 100
 41 4713.0 39.6 59.4#
 39 2116.7 28.6 43.0#





#57

1,3-Dichloropropane

Concen: 1.192 ug/l

RT: 11.206 min Scan# 11

Delta R.T. 0.035 min

Lab File: VN078846.D

Acq: 10 Aug 2023 18:45

Instrument :

MSVOA_N

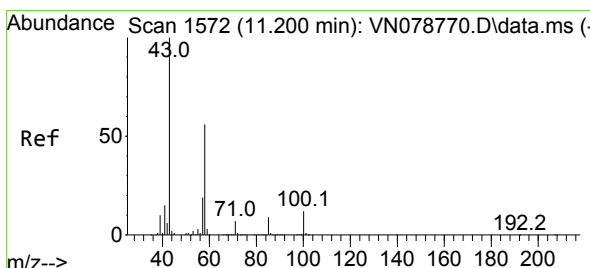
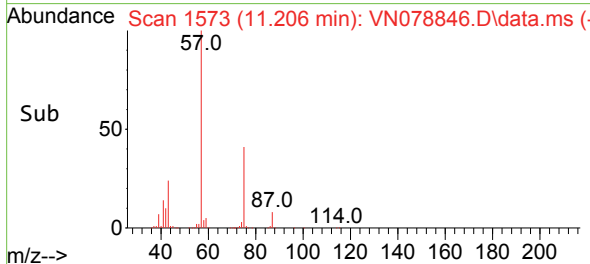
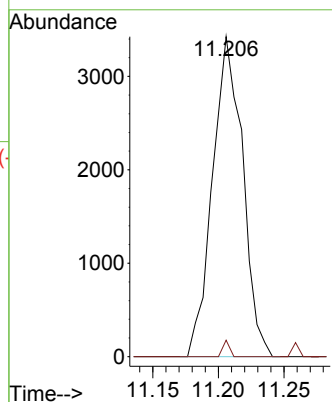
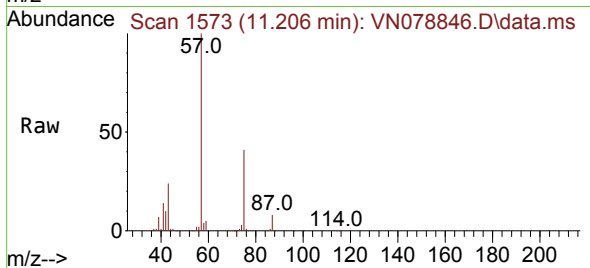
ClientSampleId :

Tgt Ion: 76 Resp: 5470

Ion Ratio Lower Upper

76 100

78 1.1 26.1 39.1#



#59

2-Hexanone

Concen: 48.229 ug/l

RT: 11.177 min Scan# 1568

Delta R.T. -0.023 min

Lab File: VN078846.D

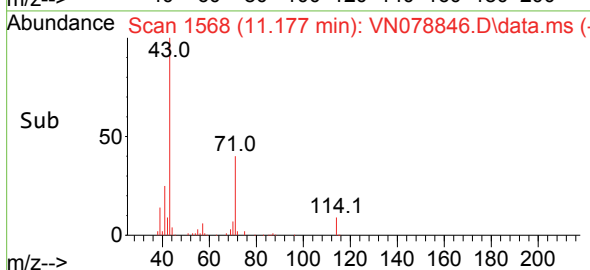
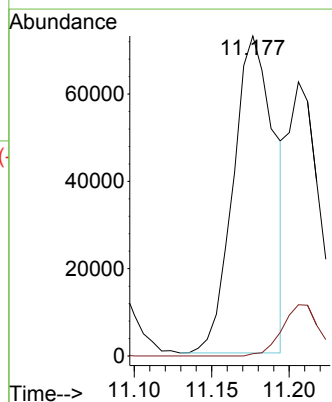
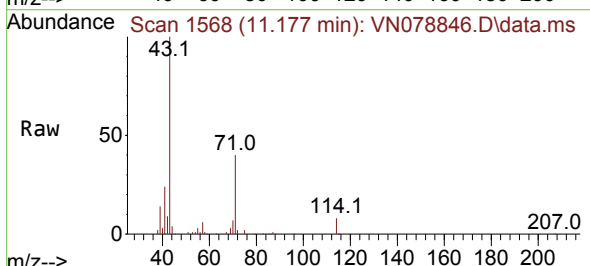
Acq: 10 Aug 2023 18:45

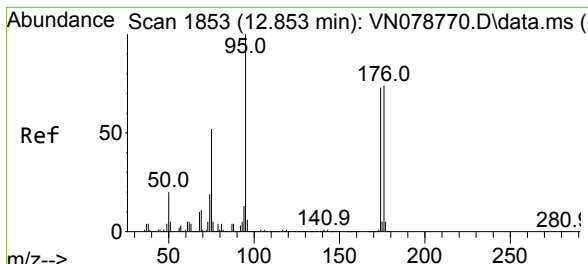
Tgt Ion: 43 Resp: 134746

Ion Ratio Lower Upper

43 100

58 0.0 31.7 95.1#

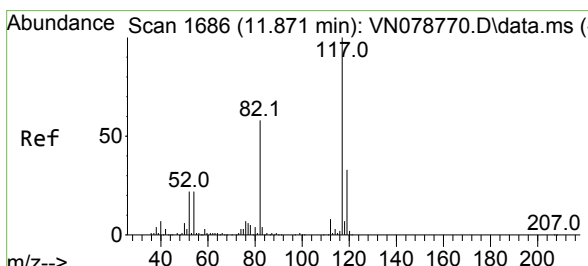
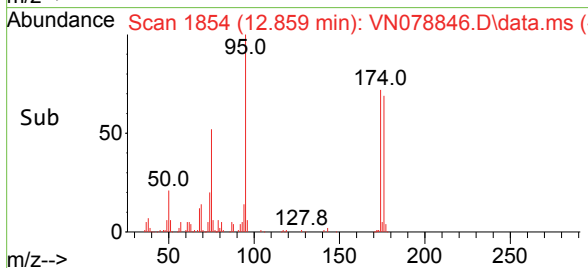
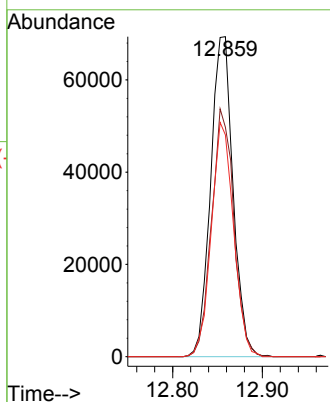
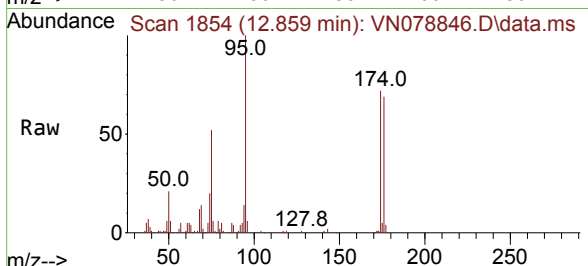




#62
4-Bromofluorobenzene
Concen: 47.325 ug/l
RT: 12.859 min Scan# 11
Delta R.T. 0.006 min
Lab File: VN078846.D
Acq: 10 Aug 2023 18:45

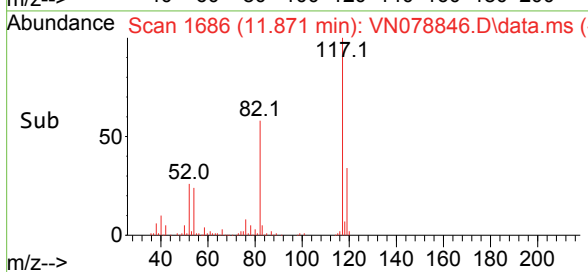
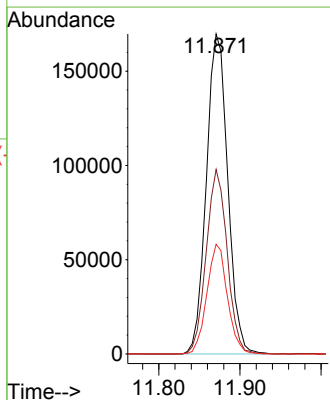
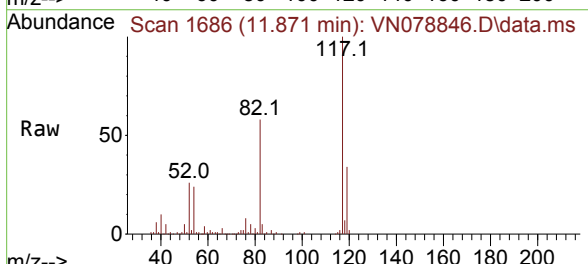
Instrument :
MSVOA_N
ClientSampleId :

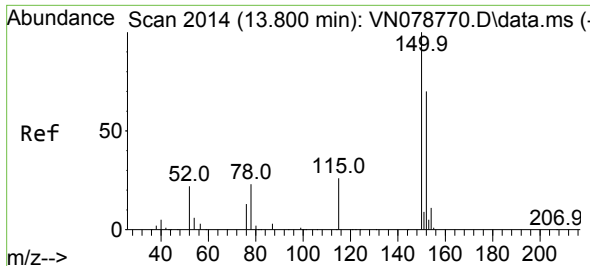
Tgt Ion:	95	Resp:	120558
Ion Ratio	Lower	Upper	
95	100		
174	76.8	0.0	143.8
176	72.5	0.0	135.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.871 min Scan# 1686
Delta R.T. -0.000 min
Lab File: VN078846.D
Acq: 10 Aug 2023 18:45

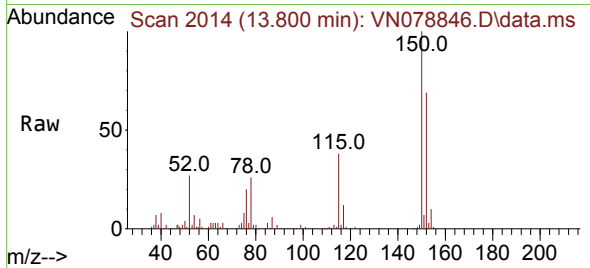
Tgt Ion:	117	Resp:	310511
Ion Ratio	Lower	Upper	
117	100		
82	57.7	44.0	66.0
119	34.3	25.6	38.4



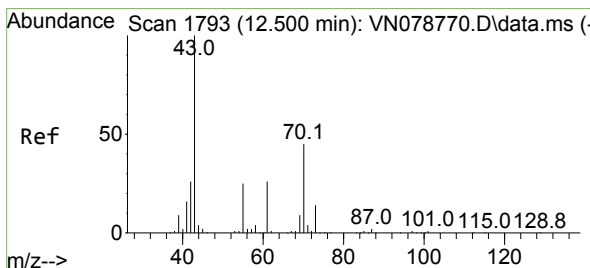
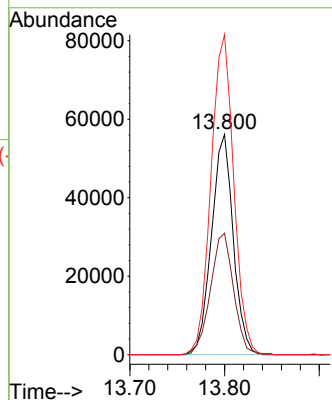
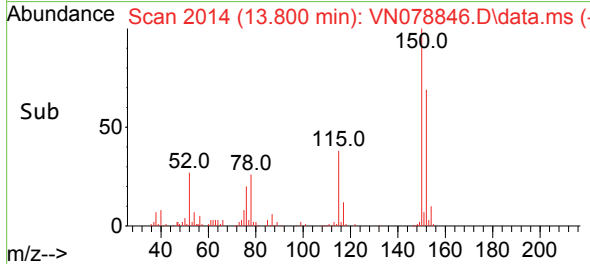


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.800 min Scan# 20
Delta R.T. -0.000 min
Lab File: VN078846.D
Acq: 10 Aug 2023 18:45

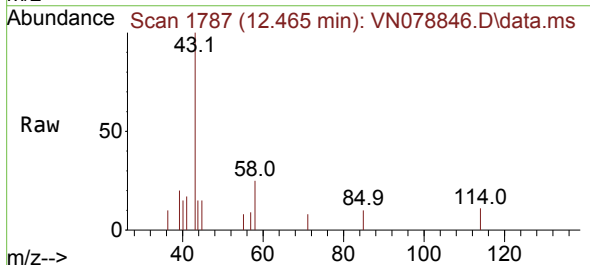
Instrument :
MSVOA_N
ClientSampleId :



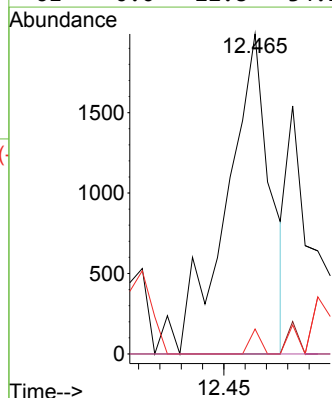
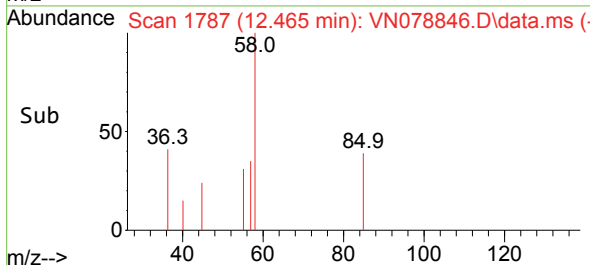
Tgt Ion:152 Resp: 89744
Ion Ratio Lower Upper
152 100
115 58.3 32.3 96.8
150 151.4 0.0 355.8

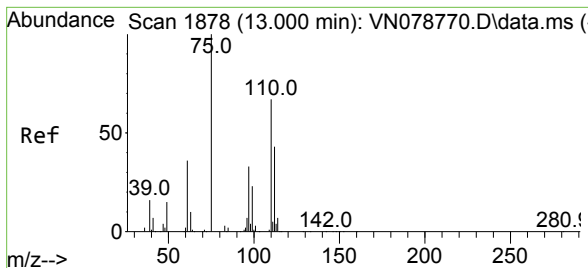


#74
N-ethyl acetate
Concen: 0.699 ug/l
RT: 12.465 min Scan# 1787
Delta R.T. -0.035 min
Lab File: VN078846.D
Acq: 10 Aug 2023 18:45



Tgt Ion: 43 Resp: 2801
Ion Ratio Lower Upper
43 100
70 2.5 43.4 65.2#
55 0.0 21.4 32.0#
61 0.0 22.8 34.2#





#76

1,2,3-Trichloropropane

Concen: 27.207 ug/l

RT: 12.859 min Scan# 1854

Delta R.T. -0.141 min

Lab File: VN078846.D

Acq: 10 Aug 2023 18:45

Instrument :

MSVOA_N

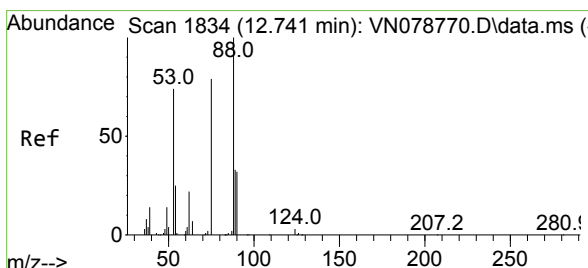
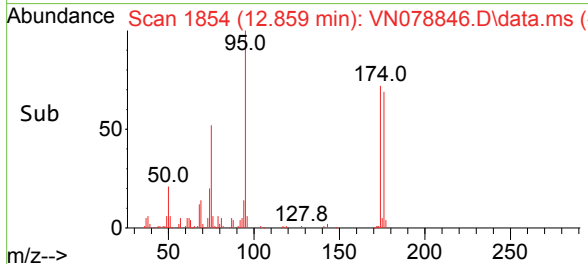
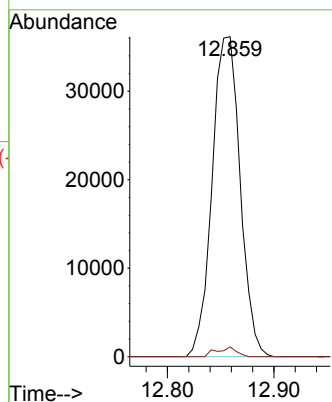
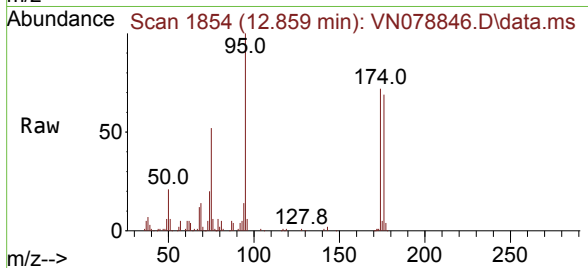
ClientSampleId :

Tgt Ion: 75 Resp: 66014

Ion Ratio Lower Upper

75 100

77 2.1 84.5 253.5#



#81

trans-1,4-Dichloro-2-butene

Concen: 73.005 ug/l

RT: 12.859 min Scan# 1854

Delta R.T. 0.118 min

Lab File: VN078846.D

Acq: 10 Aug 2023 18:45

Tgt Ion: 75 Resp: 66014

Ion Ratio Lower Upper

75 100

53 0.2 67.4 101.2#

89 0.2 38.8 58.2#

