

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN081023\
 Data File : VN078841.D
 Acq On : 10 Aug 2023 16:45
 Operator : JC\MD
 Sample : PB154726ZHE#12
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Aug 10 23:53:58 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	8.235	168	166663	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	330013	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.870	117	309368	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.800	152	86413	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.588	65	136357	54.575	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	109.140%
35) Dibromofluoromethane	8.171	113	112273	50.378	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	100.760%
50) Toluene-d8	10.571	98	424055	51.706	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	103.420%
62) 4-Bromofluorobenzene	12.853	95	116205	47.411	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	94.820%

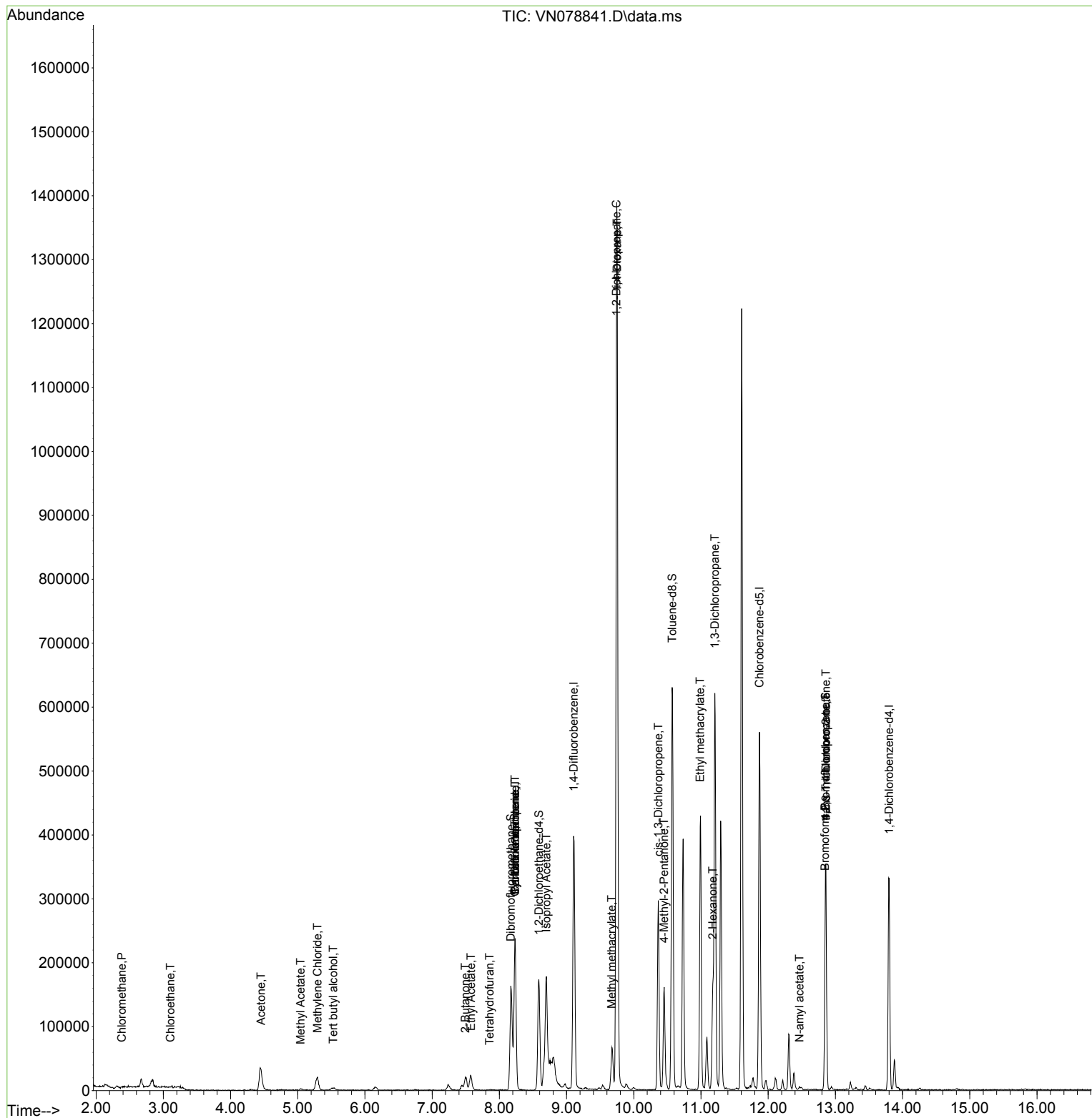
Target Compounds					Qvalue	
3) Chloromethane	2.383	50	651	0.227	ug/l #	42
6) Chloroethane	3.106	64	1075	0.604	ug/l #	43
11) Tert butyl alcohol	5.530	59	215	0.490	ug/l #	49
16) Acetone	4.453	43	68460	71.214	ug/l #	84
18) Methyl Acetate	5.041	43	2367	0.548	ug/l #	47
20) Methylene Chloride	5.294	84	14364	6.033	ug/l	98
25) 2-Butanone	7.494	43	31855	19.568	ug/l #	71
29) Tetrahydrofuran	7.853	42	853	0.783	ug/l #	20
31) Cyclohexane	8.230	56	4633	1.262	ug/l #	47
36) 1,1-Dichloropropene	8.235	75	15723	4.548	ug/l #	42
37) Ethyl Acetate	7.577	43	35628	9.692	ug/l #	86
38) Carbon Tetrachloride	8.235	117	18892	5.300	ug/l #	16
43) Isopropyl Acetate	8.700	43	231467	37.346	ug/l #	70
45) 1,2-Dichloropropane	9.741	63	1932	0.689	ug/l #	45
48) Methyl methacrylate	9.671	41	5334	1.863	ug/l #	3
49) 1,4-Dioxane	9.753	88	60	1.290	ug/l #	1
51) 4-Methyl-2-Pentanone	10.453	43	114313	30.112	ug/l #	86
54) cis-1,3-Dichloropropene	10.365	75	45461	11.027	ug/l #	71
56) Ethyl methacrylate	10.988	69	2194	0.596	ug/l #	1
57) 1,3-Dichloropropane	11.206	76	6406	1.451	ug/l #	42
59) 2-Hexanone	11.176	43	132923	49.449	ug/l #	19
71) Bromoform	12.847	173	382	0.201	ug/l #	28
74) N-amyl acetate	12.465	43	2132	0.553	ug/l #	44
76) 1,2,3-Trichloropropane	12.859	75	67789	29.015	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.859	75	67789	77.858	ug/l #	15

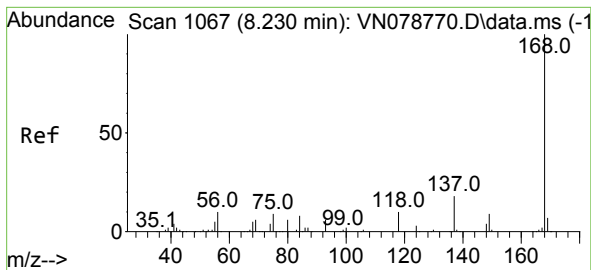
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Time: Aug 10 23:53:58 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





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 8.235 min Scan# 1

Delta R.T. 0.005 min

Lab File: VN078841.D

Acq: 10 Aug 2023 16:45

Instrument :

MSVOA_N

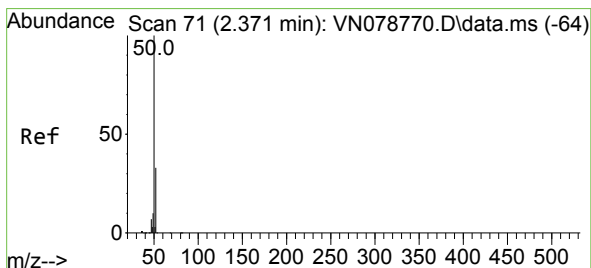
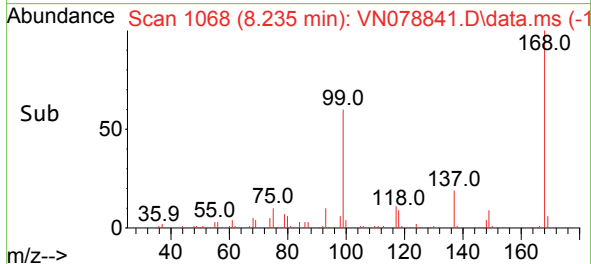
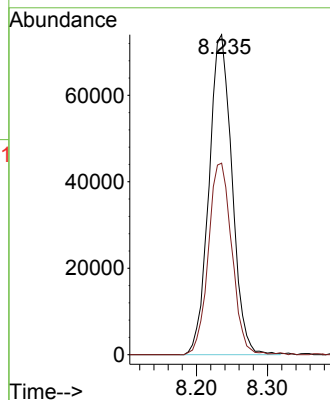
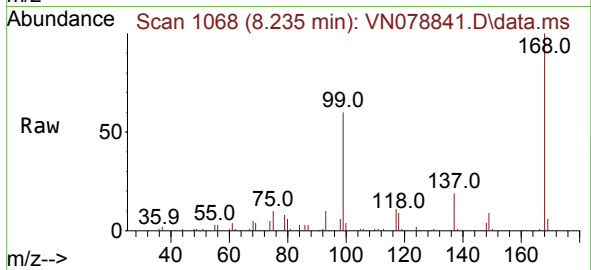
ClientSampleId :

Tgt Ion:168 Resp: 166663

Ion Ratio Lower Upper

168 100

99 59.9 53.0 79.6



#3

Chloromethane

Concen: 0.227 ug/l

RT: 2.383 min Scan# 73

Delta R.T. 0.012 min

Lab File: VN078841.D

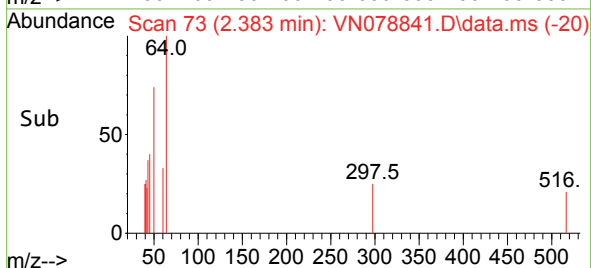
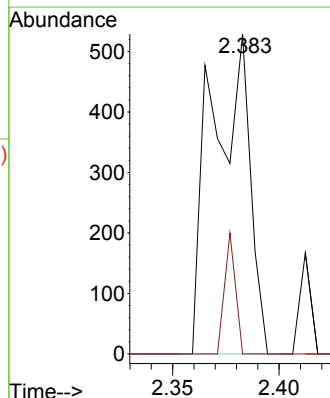
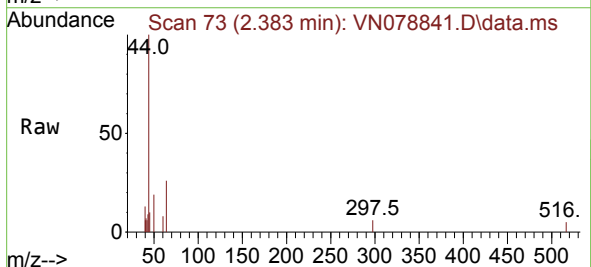
Acq: 10 Aug 2023 16:45

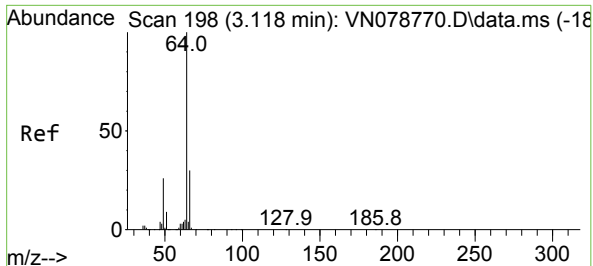
Tgt Ion: 50 Resp: 651

Ion Ratio Lower Upper

50 100

52 0.0 26.5 39.7#

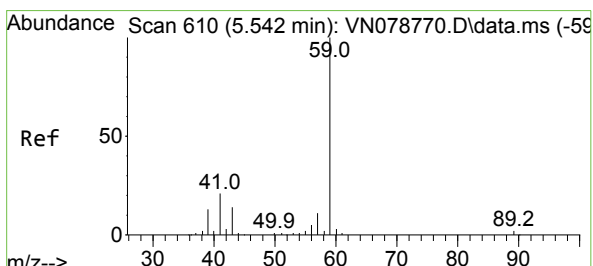
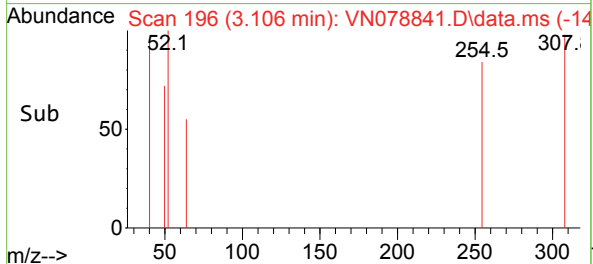
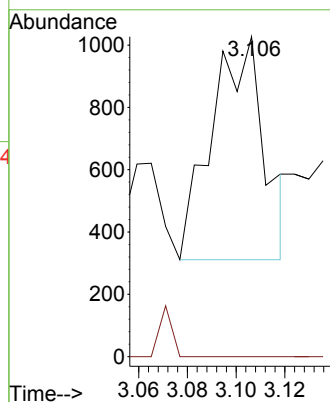
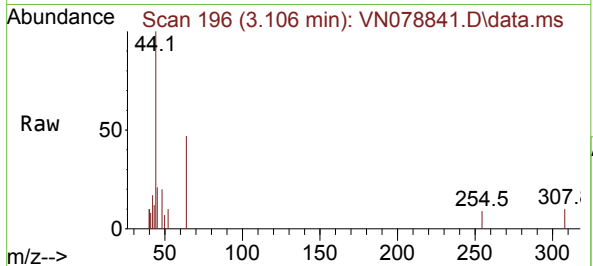




#6
Chloroethane
Concen: 0.604 ug/l
RT: 3.106 min Scan# 14
Delta R.T. -0.012 min
Lab File: VN078841.D
Acq: 10 Aug 2023 16:45

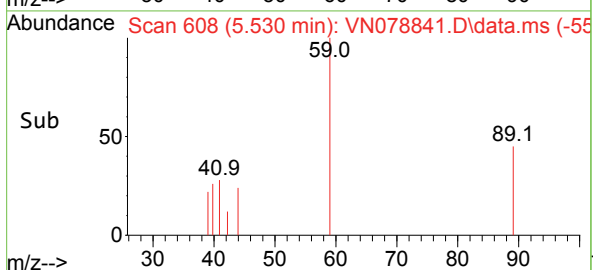
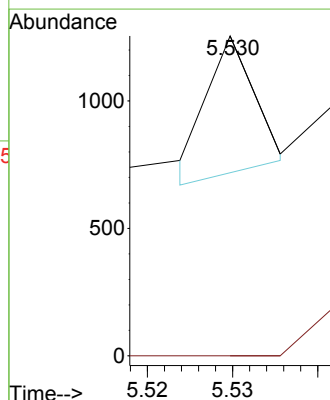
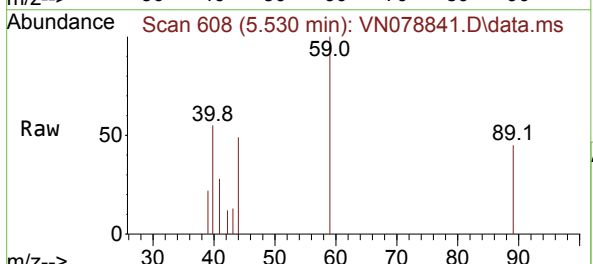
Instrument :
MSVOA_N
ClientSampleId :

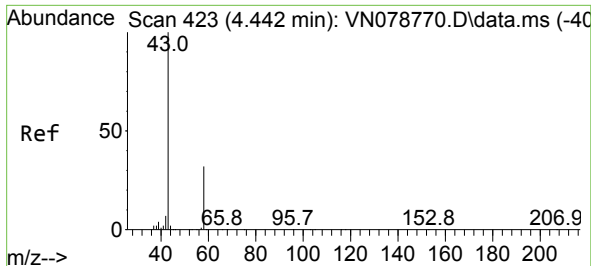
Tgt Ion: 64 Resp: 1075
Ion Ratio Lower Upper
64 100
66 0.0 25.4 38.2#



#11
Tert butyl alcohol
Concen: 0.490 ug/l
RT: 5.530 min Scan# 608
Delta R.T. -0.012 min
Lab File: VN078841.D
Acq: 10 Aug 2023 16:45

Tgt Ion: 59 Resp: 215
Ion Ratio Lower Upper
59 100
57 29.3 8.2 12.4#

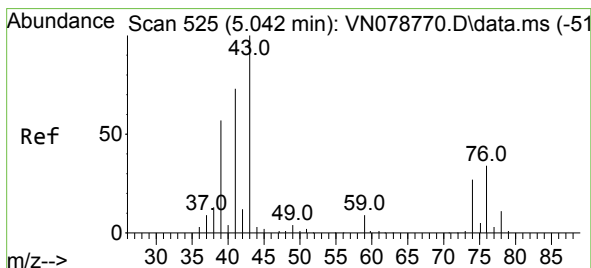
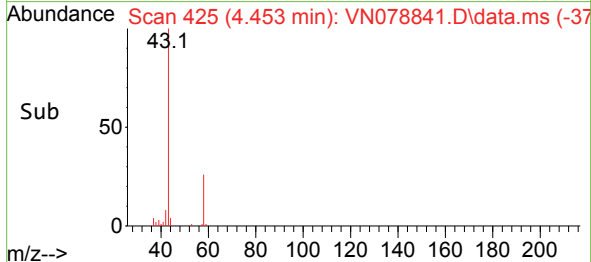
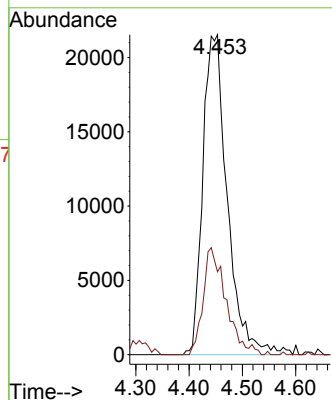
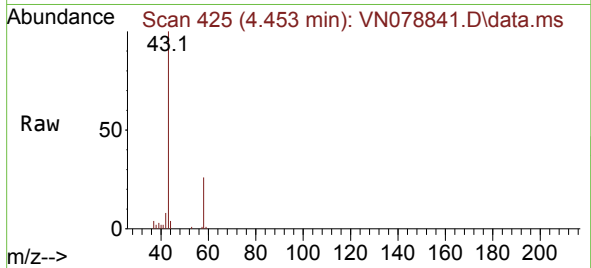




#16
Acetone
Concen: 71.214 ug/l
RT: 4.453 min Scan# 423
Delta R.T. 0.011 min
Lab File: VN078841.D
Acq: 10 Aug 2023 16:45

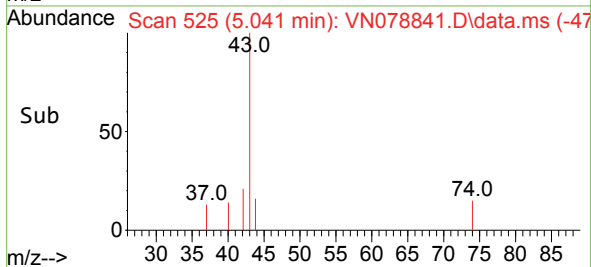
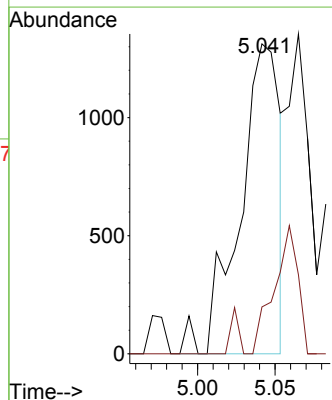
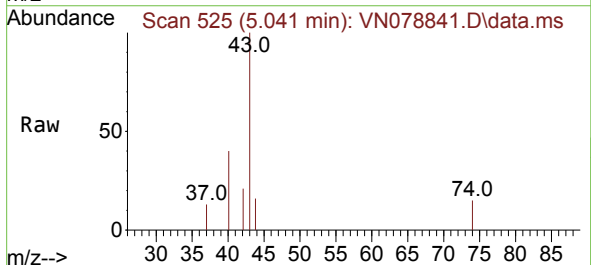
Instrument :
MSVOA_N
ClientSampleId :

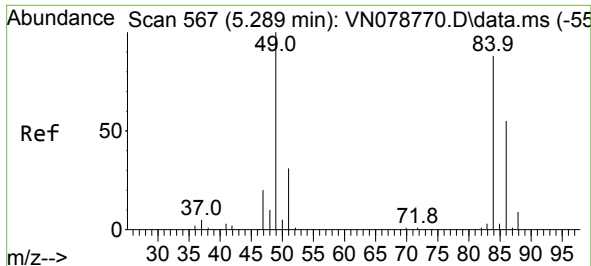
Tgt Ion: 43 Resp: 68460
Ion Ratio Lower Upper
43 100
58 25.9 28.0 42.0#



#18
Methyl Acetate
Concen: 0.548 ug/l
RT: 5.041 min Scan# 525
Delta R.T. -0.000 min
Lab File: VN078841.D
Acq: 10 Aug 2023 16:45

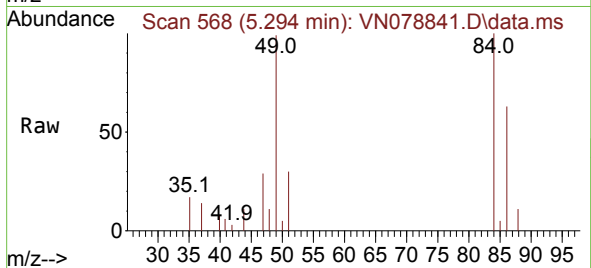
Tgt Ion: 43 Resp: 2367
Ion Ratio Lower Upper
43 100
74 2.9 26.2 39.4#





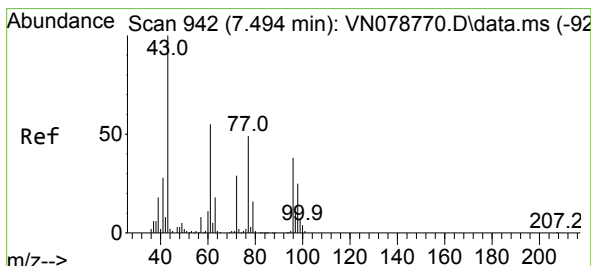
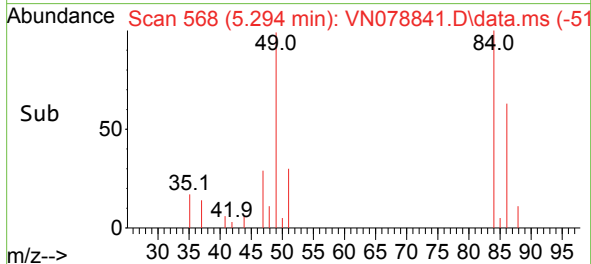
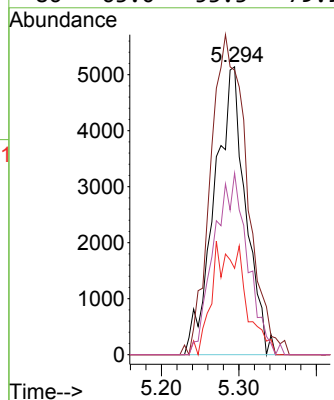
#20
Methylene Chloride
Concen: 6.033 ug/l
RT: 5.294 min Scan# 51
Delta R.T. 0.006 min
Lab File: VN078841.D
Acq: 10 Aug 2023 16:45

Instrument :
MSVOA_N
ClientSampleId :



Tgt Ion: 84 Resp: 14364

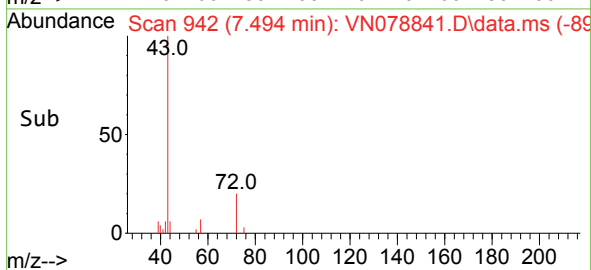
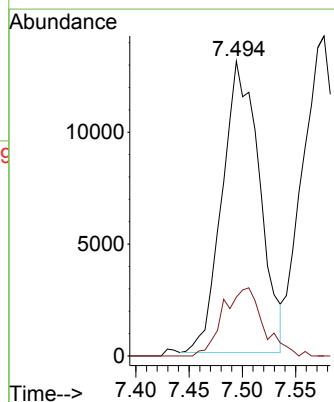
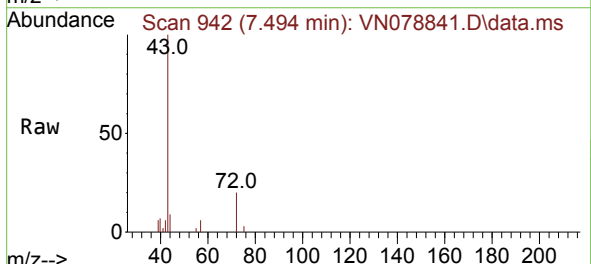
Ion	Ratio	Lower	Upper
84	100		
49	98.8	79.7	119.5
51	30.0	25.2	37.8
86	63.0	53.3	79.9

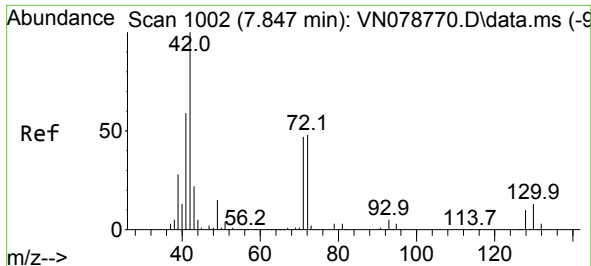


#25
2-Butanone
Concen: 19.568 ug/l
RT: 7.494 min Scan# 942
Delta R.T. 0.000 min
Lab File: VN078841.D
Acq: 10 Aug 2023 16:45

Tgt Ion: 43 Resp: 31855

Ion	Ratio	Lower	Upper
43	100		
72	20.2	30.2	45.2#





#29

Tetrahydrofuran

Concen: 0.783 ug/l

RT: 7.853 min Scan# 10

Delta R.T. 0.006 min

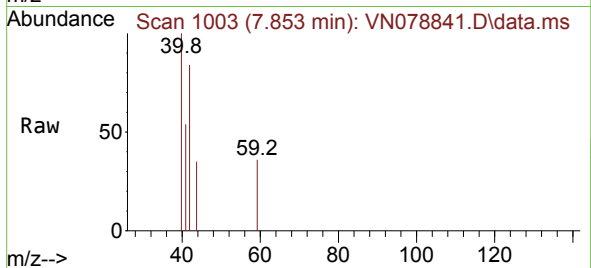
Lab File: VN078841.D

Acq: 10 Aug 2023 16:45

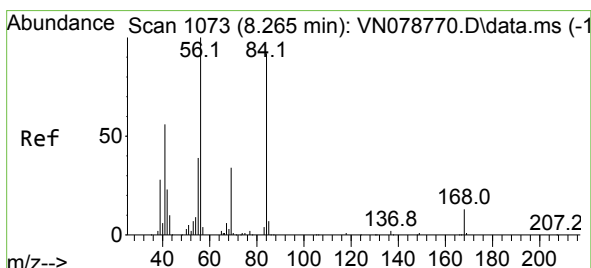
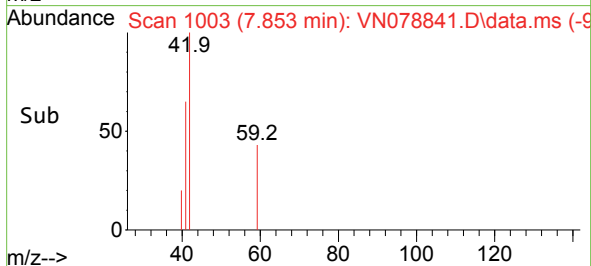
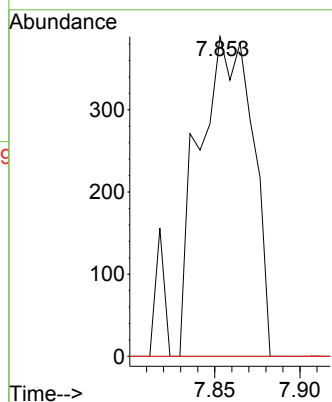
Instrument :

MSVOA_N

ClientSampleId :



Tgt Ion:	42	Resp:	853
Ion	Ratio	Lower	Upper
42	100		
72	0.0	49.8	74.6#
71	0.0	47.4	71.2#



#31

Cyclohexane

Concen: 1.262 ug/l

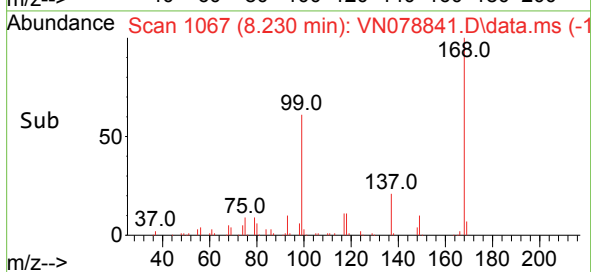
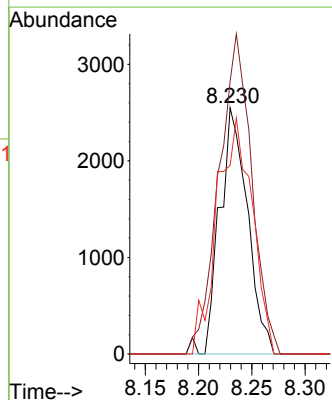
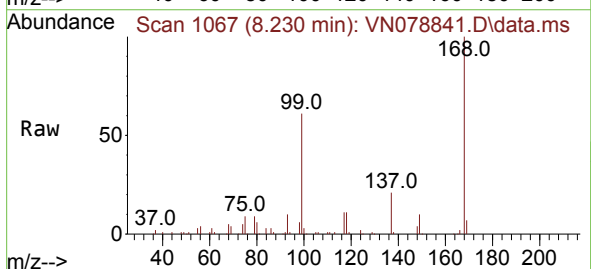
RT: 8.230 min Scan# 1067

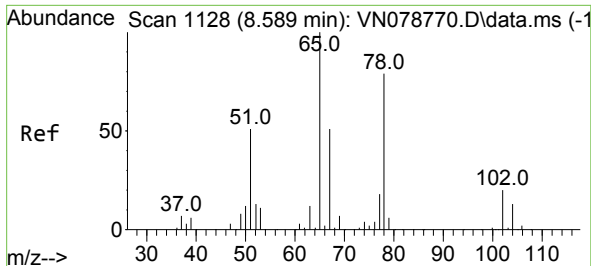
Delta R.T. -0.036 min

Lab File: VN078841.D

Acq: 10 Aug 2023 16:45

Tgt Ion:	56	Resp:	4633
Ion	Ratio	Lower	Upper
56	100		
69	110.8	26.8	40.2#
84	76.7	81.8	122.6#





#33

1,2-Dichloroethane-d4

Concen: 54.575 ug/l

RT: 8.588 min Scan# 1128

Delta R.T. -0.000 min

Lab File: VN078841.D

Acq: 10 Aug 2023 16:45

Instrument :

MSVOA_N

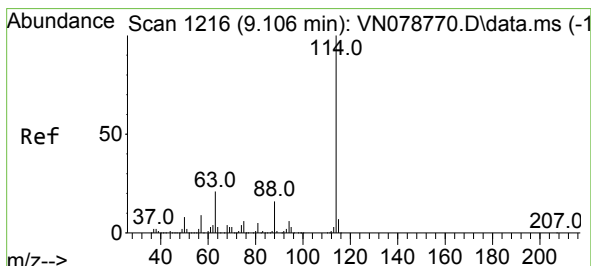
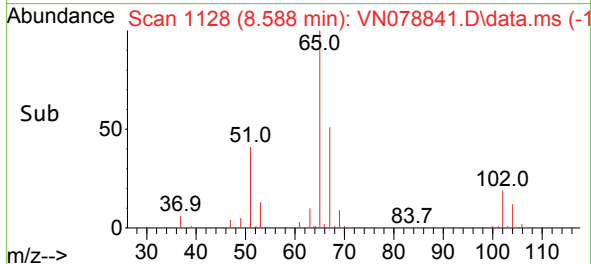
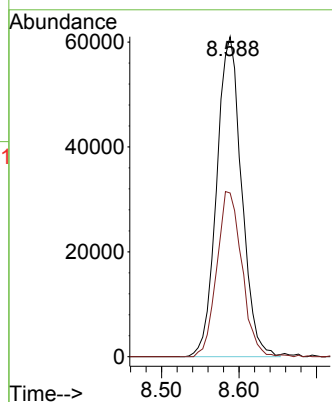
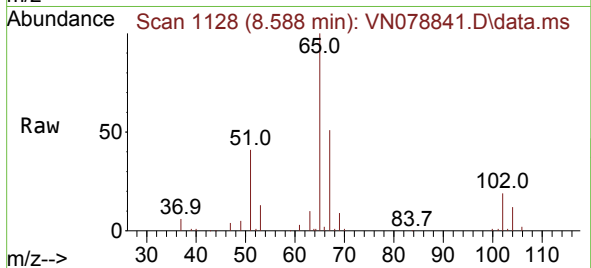
ClientSampleId :

Tgt Ion: 65 Resp: 136357

Ion Ratio Lower Upper

65 100

67 52.1 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: VN078841.D

Acq: 10 Aug 2023 16:45

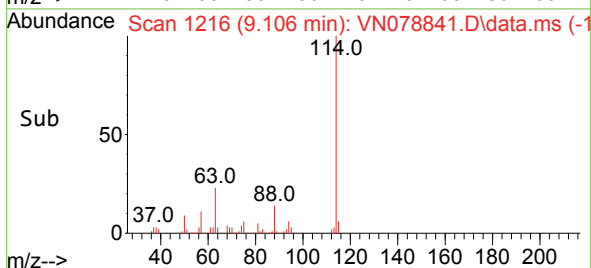
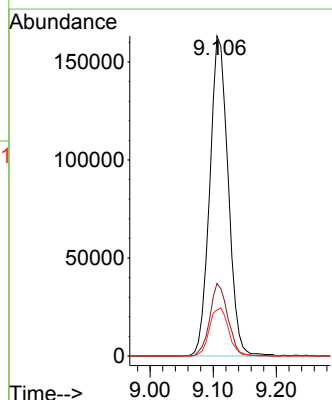
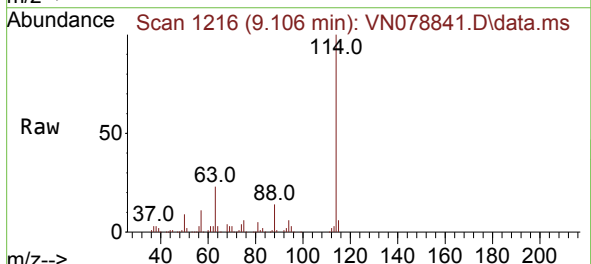
Tgt Ion: 114 Resp: 330013

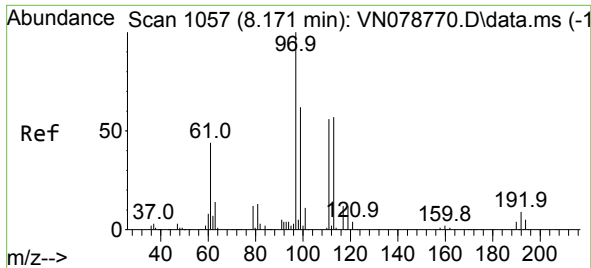
Ion Ratio Lower Upper

114 100

63 22.7 0.0 36.4

88 14.4 0.0 30.6

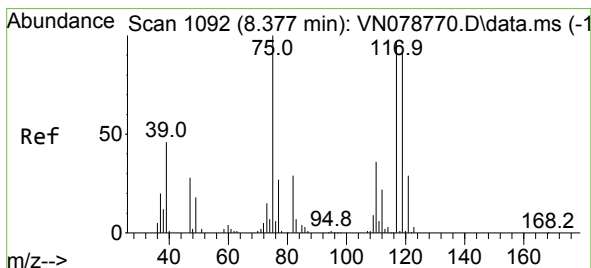
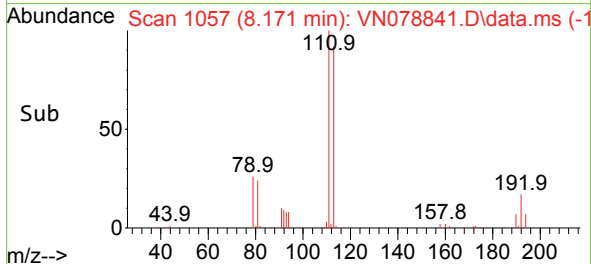
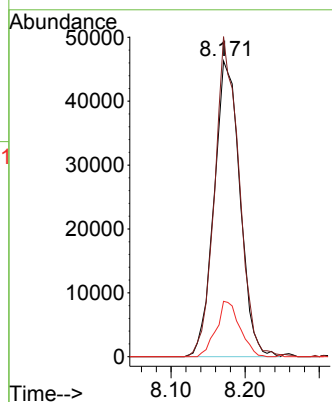
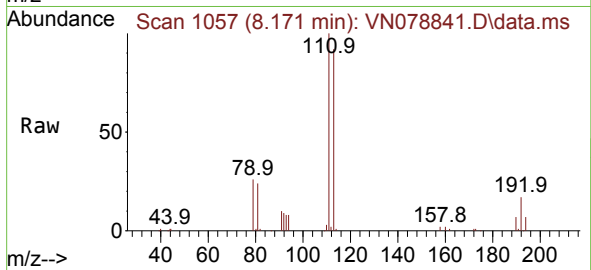




#35
 Dibromofluoromethane
 Concen: 50.378 ug/l
 RT: 8.171 min Scan# 1057
 Delta R.T. -0.000 min
 Lab File: VN078841.D
 Acq: 10 Aug 2023 16:45

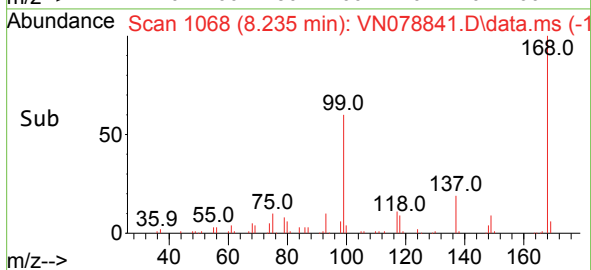
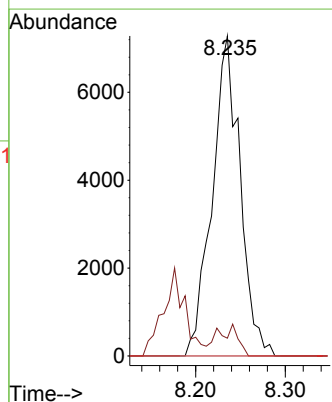
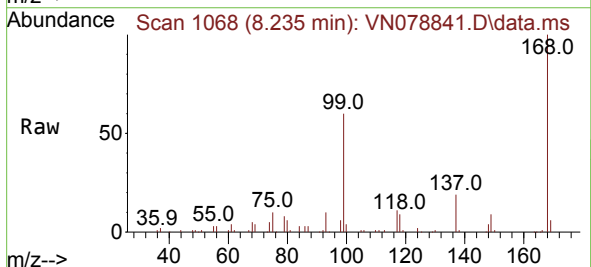
Instrument :
 MSVOA_N
 ClientSampleId :

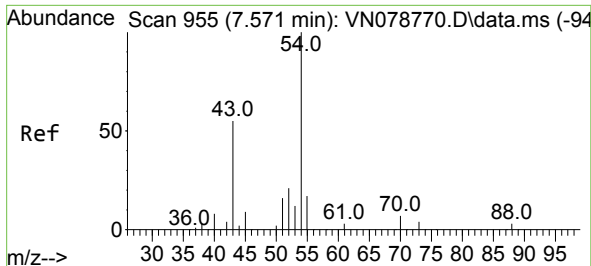
Tgt Ion:113 Resp: 112273
 Ion Ratio Lower Upper
 113 100
 111 102.4 82.6 123.8
 192 17.1 12.7 19.1



#36
 1,1-Dichloropropene
 Concen: 4.548 ug/l
 RT: 8.235 min Scan# 1068
 Delta R.T. -0.141 min
 Lab File: VN078841.D
 Acq: 10 Aug 2023 16:45

Tgt Ion: 75 Resp: 15723
 Ion Ratio Lower Upper
 75 100
 110 2.1 19.1 57.3#
 77 0.0 25.0 37.4#





#37

Ethyl Acetate

Concen: 9.692 ug/l

RT: 7.577 min Scan# 91

Delta R.T. 0.006 min

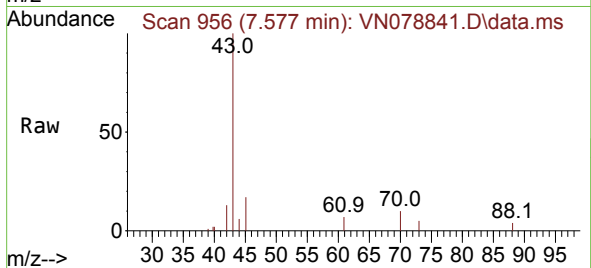
Lab File: VN078841.D

Acq: 10 Aug 2023 16:45

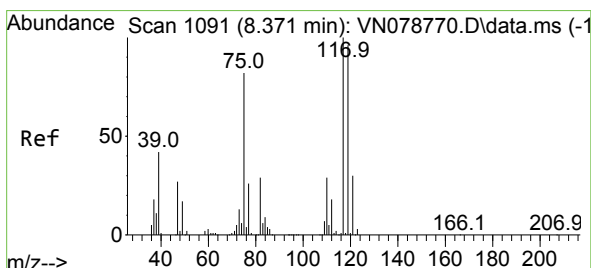
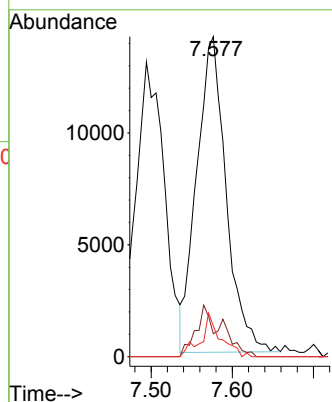
Instrument :

MSVOA_N

ClientSampleId :



Tgt Ion:	43	Resp:	35628
Ion	Ratio	Lower	Upper
43	100		
61	9.6	13.2	19.8#
70	9.0	11.3	16.9#



#38

Carbon Tetrachloride

Concen: 5.300 ug/l

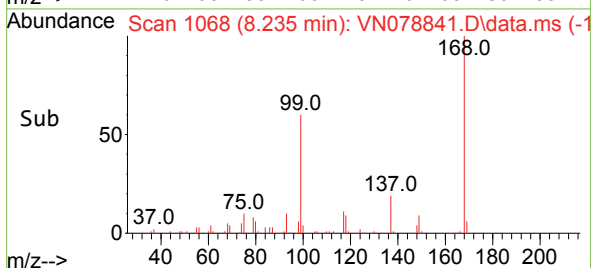
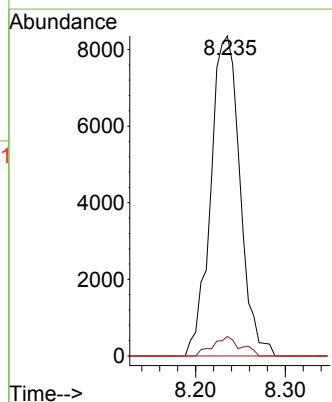
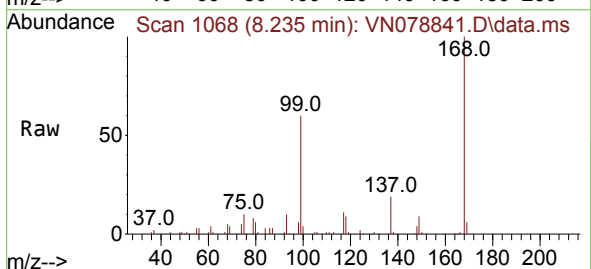
RT: 8.235 min Scan# 1068

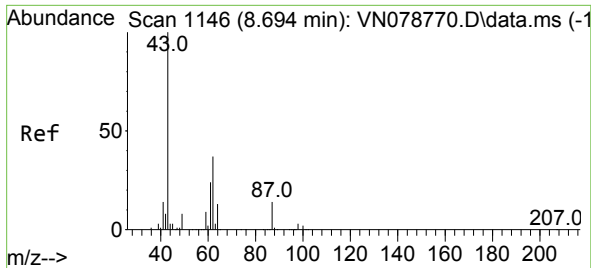
Delta R.T. -0.136 min

Lab File: VN078841.D

Acq: 10 Aug 2023 16:45

Tgt Ion:	117	Resp:	18892
Ion	Ratio	Lower	Upper
117	100		
119	6.1	77.3	115.9#
121	0.0	23.3	34.9#

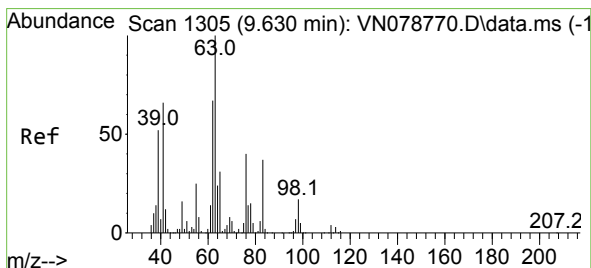
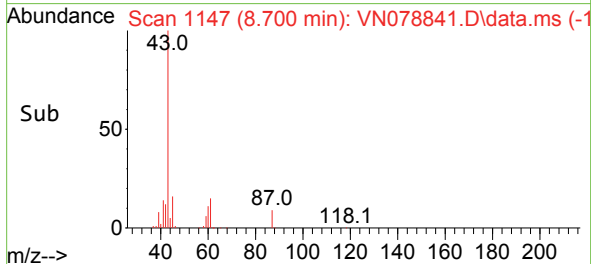
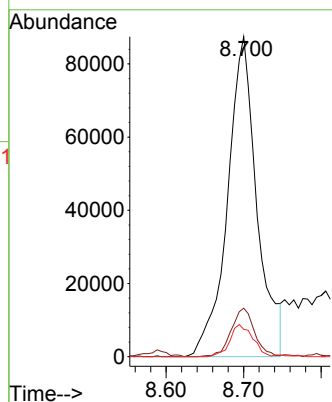
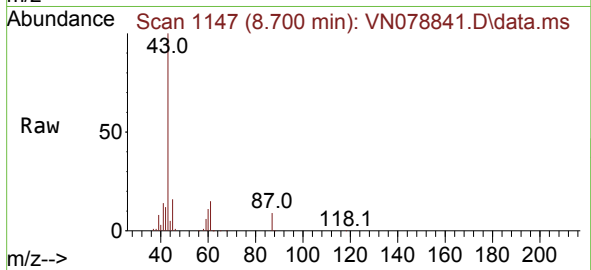




#43
Isopropyl Acetate
Concen: 37.346 ug/l
RT: 8.700 min Scan# 1146
Delta R.T. 0.006 min
Lab File: VN078841.D
Acq: 10 Aug 2023 16:45

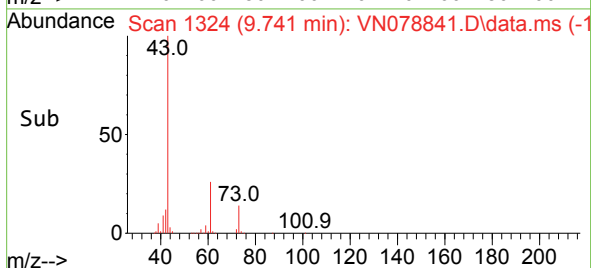
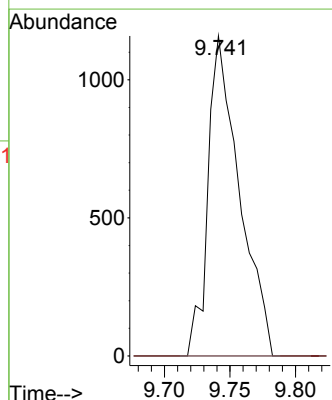
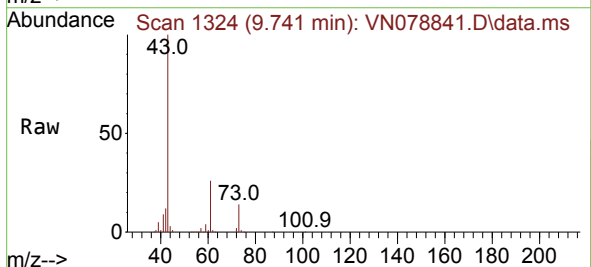
Instrument :
MSVOA_N
ClientSampleId :

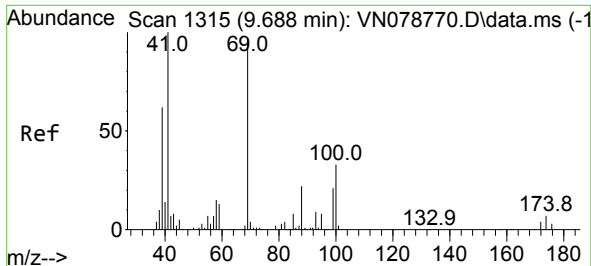
Tgt Ion: 43 Resp: 231467
Ion Ratio Lower Upper
43 100
61 12.0 24.7 37.1#
87 8.0 14.6 21.8#



#45
1,2-Dichloropropane
Concen: 0.689 ug/l
RT: 9.741 min Scan# 1324
Delta R.T. 0.112 min
Lab File: VN078841.D
Acq: 10 Aug 2023 16:45

Tgt Ion: 63 Resp: 1932
Ion Ratio Lower Upper
63 100
65 0.0 23.9 35.9#

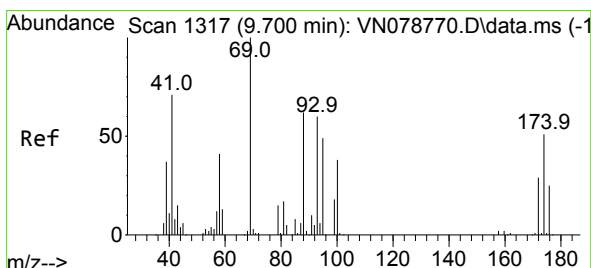
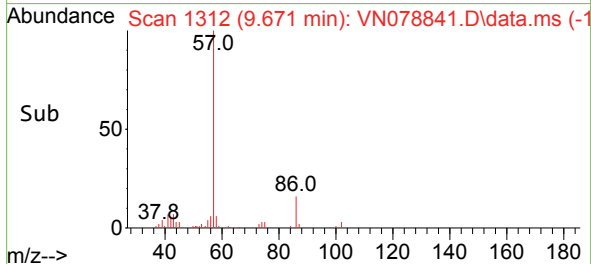
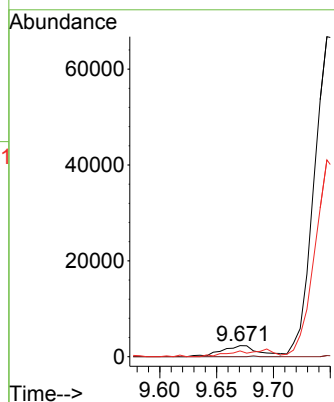
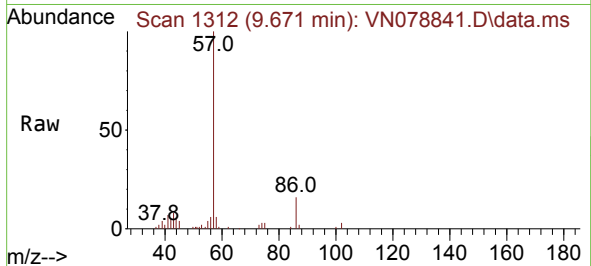




#48
Methyl methacrylate
Concen: 1.863 ug/l
RT: 9.671 min Scan# 11
Delta R.T. -0.018 min
Lab File: VN078841.D
Acq: 10 Aug 2023 16:45

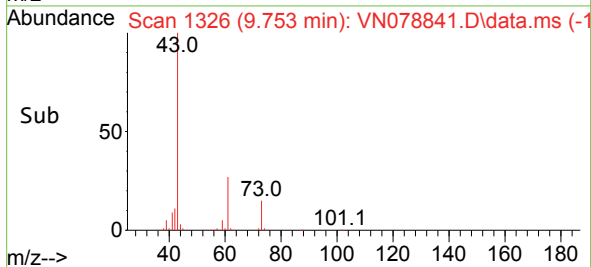
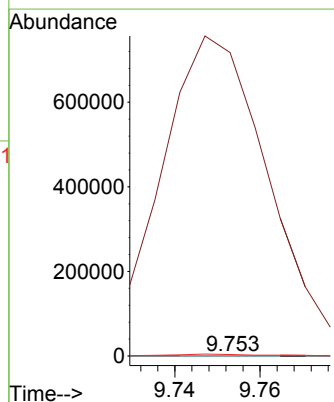
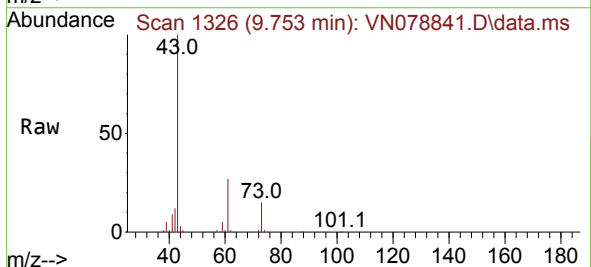
Instrument :
MSVOA_N
ClientSampleId :

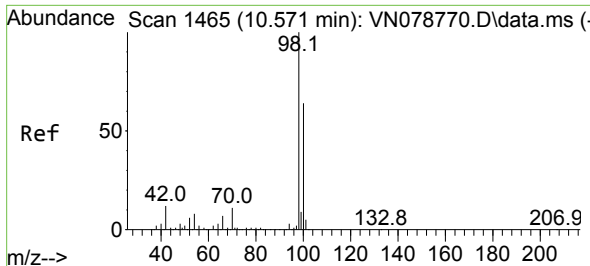
Tgt Ion: 41 Resp: 5334
Ion Ratio Lower Upper
41 100
69 1.1 90.4 135.6#
39 0.0 54.6 81.8#



#49
1,4-Dioxane
Concen: 1.290 ug/l
RT: 9.753 min Scan# 1326
Delta R.T. 0.053 min
Lab File: VN078841.D
Acq: 10 Aug 2023 16:45

Tgt Ion: 88 Resp: 60
Ion Ratio Lower Upper
88 100
43 2286566.7 17.0 25.6#
58 11750.0 47.0 70.4#

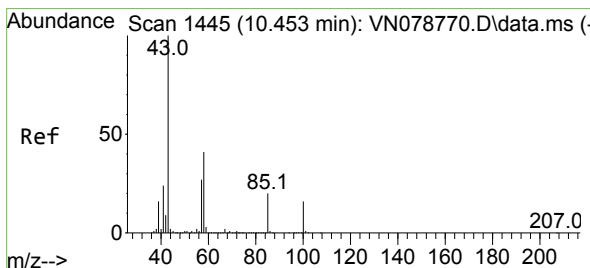
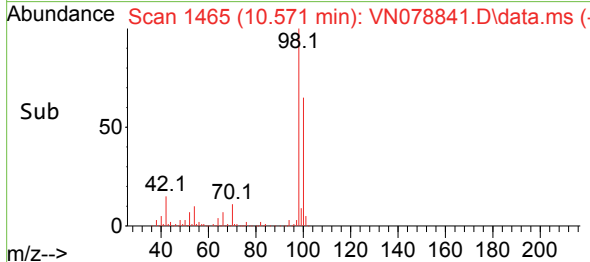
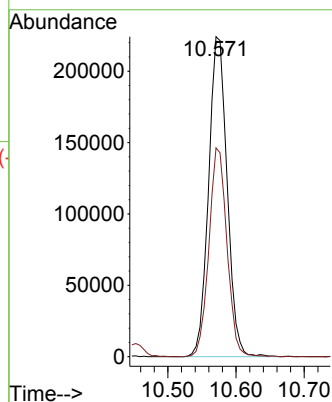
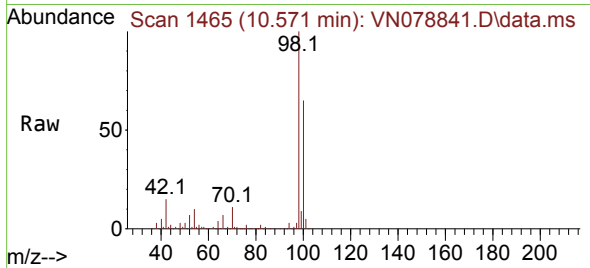




#50
Toluene-d8
Concen: 51.706 ug/l
RT: 10.571 min Scan# 1465
Delta R.T. -0.000 min
Lab File: VN078841.D
Acq: 10 Aug 2023 16:45

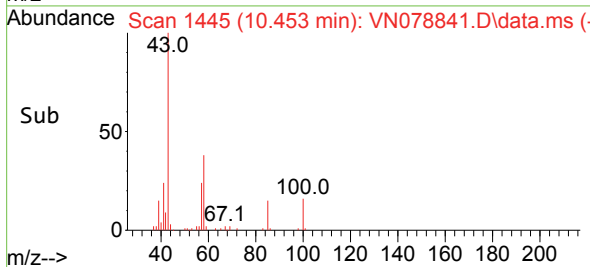
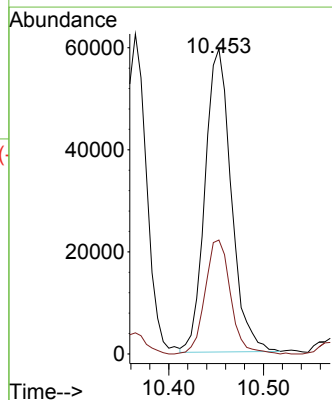
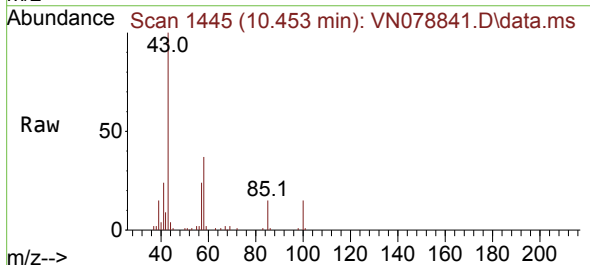
Instrument :
MSVOA_N
ClientSampleId :

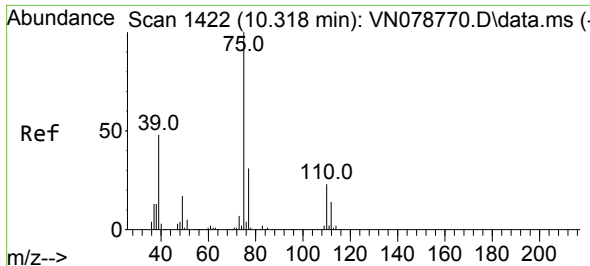
Tgt Ion: 98 Resp: 424055
Ion Ratio Lower Upper
98 100
100 63.6 52.0 78.0



#51
4-Methyl-2-Pentanone
Concen: 30.112 ug/l
RT: 10.453 min Scan# 1445
Delta R.T. -0.000 min
Lab File: VN078841.D
Acq: 10 Aug 2023 16:45

Tgt Ion: 43 Resp: 114313
Ion Ratio Lower Upper
43 100
58 36.5 36.6 54.8#

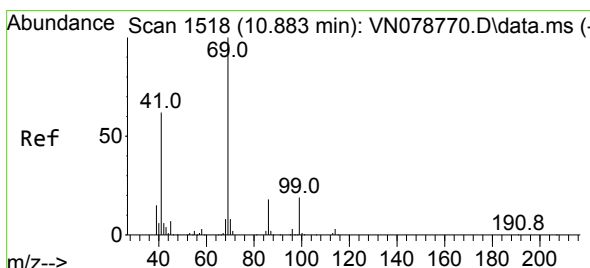
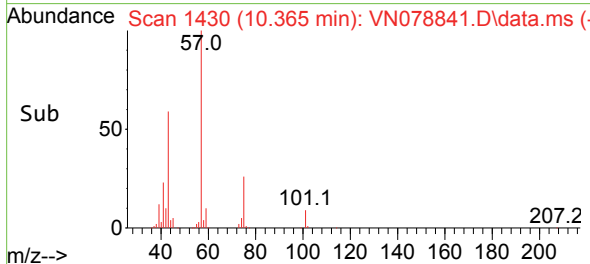
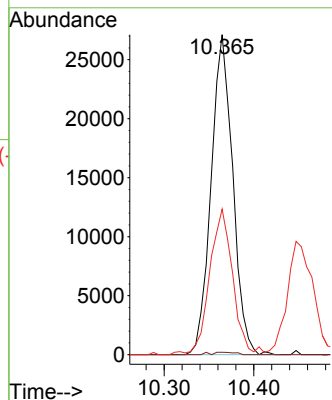
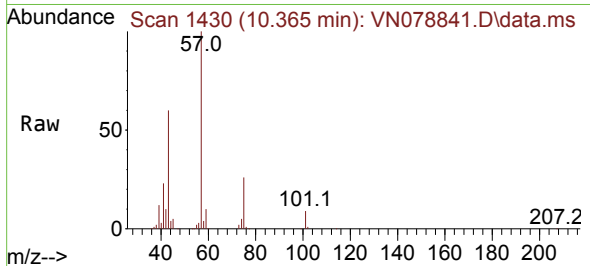




#54
 cis-1,3-Dichloropropene
 Concen: 11.027 ug/l
 RT: 10.365 min Scan# 1422
 Delta R.T. 0.047 min
 Lab File: VN078841.D
 Acq: 10 Aug 2023 16:45

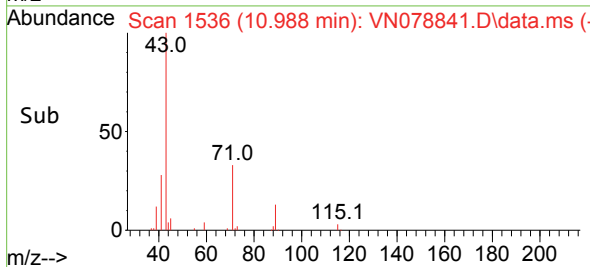
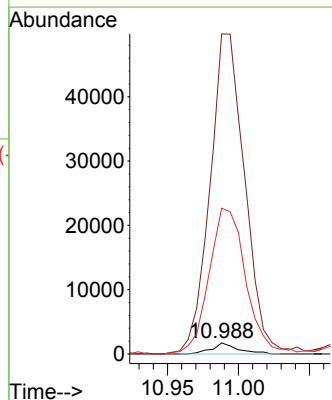
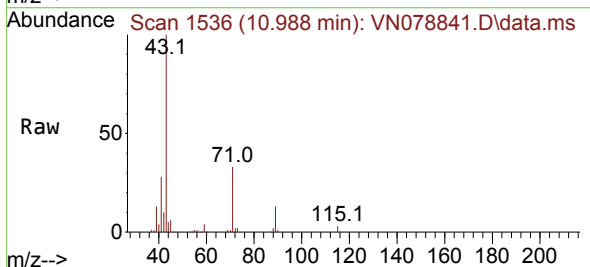
Instrument :
 MSVOA_N
 ClientSampleId :

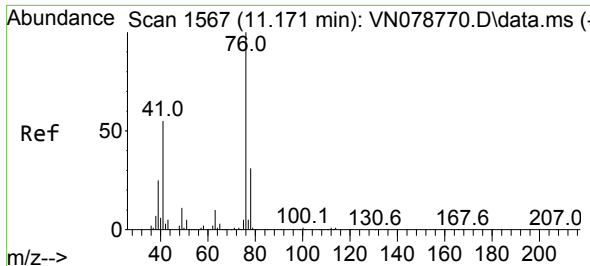
Tgt Ion: 75 Resp: 45461
 Ion Ratio Lower Upper
 75 100
 77 0.8 26.1 39.1#
 39 43.7 31.6 47.4



#56
 Ethyl methacrylate
 Concen: 0.596 ug/l
 RT: 10.988 min Scan# 1536
 Delta R.T. 0.106 min
 Lab File: VN078841.D
 Acq: 10 Aug 2023 16:45

Tgt Ion: 69 Resp: 2194
 Ion Ratio Lower Upper
 69 100
 41 3874.5 39.6 59.4#
 39 1874.2 28.6 43.0#





#57

1,3-Dichloropropane

Concen: 1.451 ug/l

RT: 11.206 min Scan# 1573

Delta R.T. 0.035 min

Lab File: VN078841.D

Acq: 10 Aug 2023 16:45

Instrument :

MSVOA_N

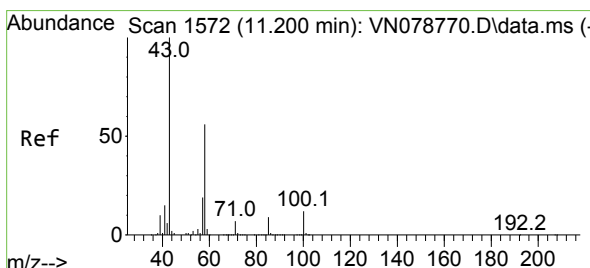
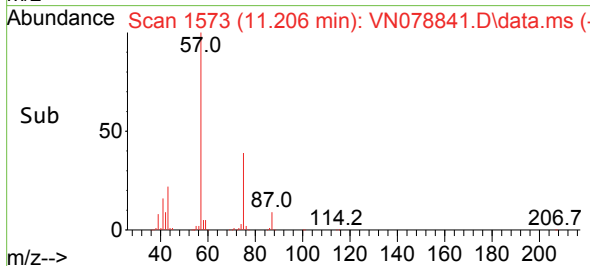
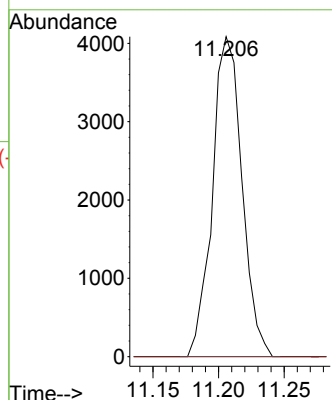
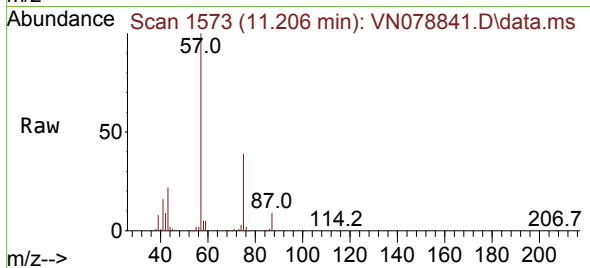
ClientSampleId :

Tgt Ion: 76 Resp: 6406

Ion Ratio Lower Upper

76 100

78 0.0 26.1 39.1#



#59

2-Hexanone

Concen: 49.449 ug/l

RT: 11.176 min Scan# 1568

Delta R.T. -0.024 min

Lab File: VN078841.D

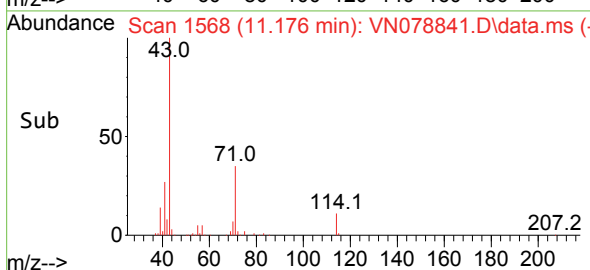
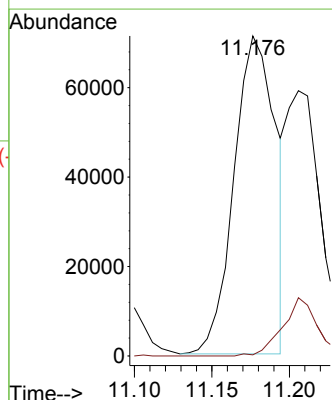
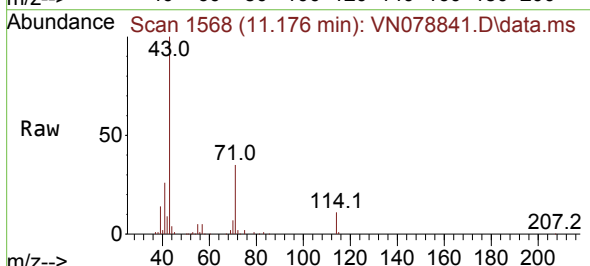
Acq: 10 Aug 2023 16:45

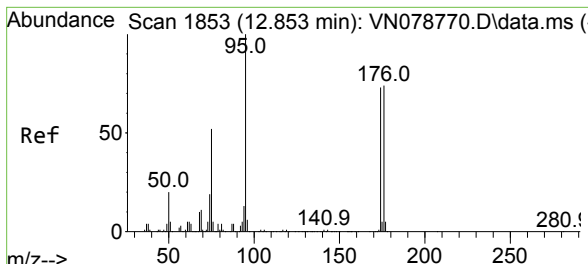
Tgt Ion: 43 Resp: 132923

Ion Ratio Lower Upper

43 100

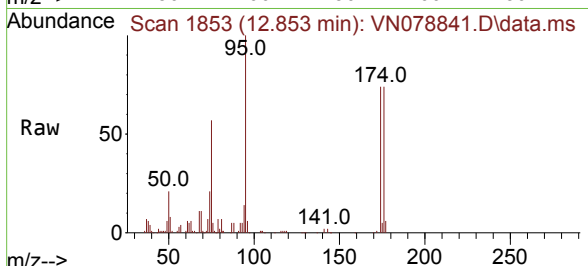
58 0.0 31.7 95.1#



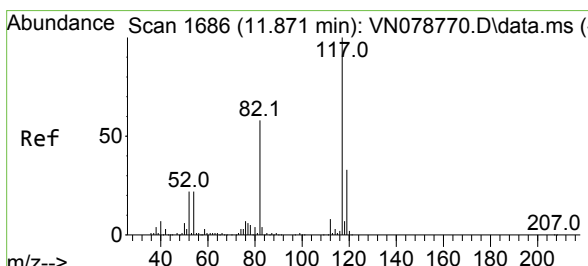
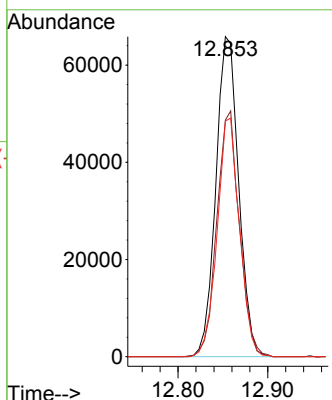
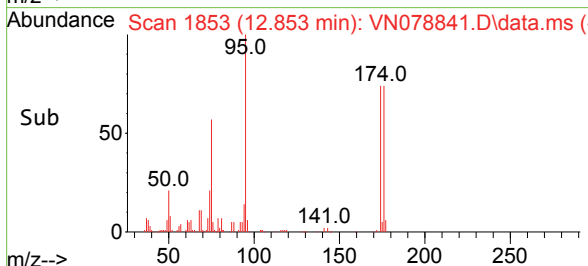


#62
 4-Bromofluorobenzene
 Concen: 47.411 ug/l
 RT: 12.853 min Scan# 116205
 Delta R.T. -0.000 min
 Lab File: VN078841.D
 Acq: 10 Aug 2023 16:45

Instrument :
 MSVOA_N
 ClientSampleId :

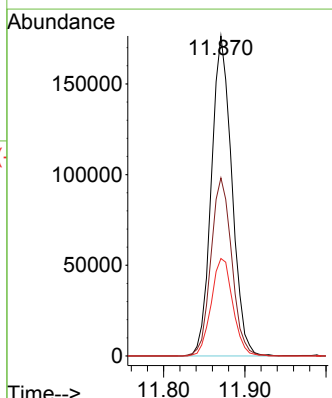
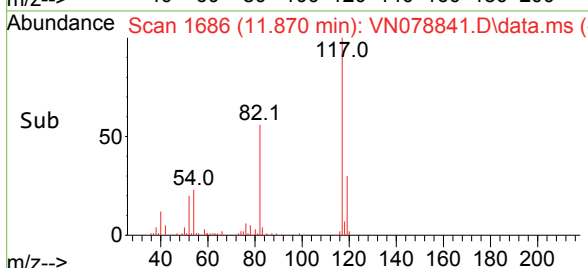
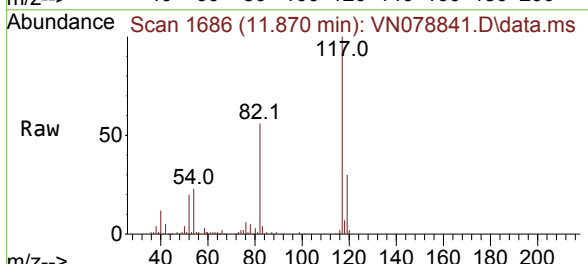


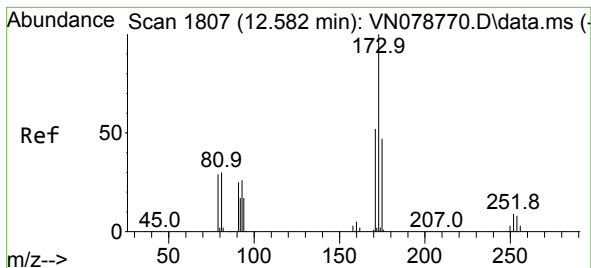
Tgt Ion:	95	Resp:	116205
Ion Ratio	Lower	Upper	
95	100		
174	75.7	0.0	143.8
176	72.9	0.0	135.8



#63
 Chlorobenzene-d5
 Concen: 50.000 ug/l
 RT: 11.870 min Scan# 1686
 Delta R.T. -0.000 min
 Lab File: VN078841.D
 Acq: 10 Aug 2023 16:45

Tgt Ion:	117	Resp:	309368
Ion Ratio	Lower	Upper	
117	100		
82	55.6	44.0	66.0
119	30.4	25.6	38.4





#71

Bromoform

Concen: 0.201 ug/l

RT: 12.847 min Scan# 11

Delta R.T. 0.264 min

Lab File: VN078841.D

Acq: 10 Aug 2023 16:45

Instrument :

MSVOA_N

ClientSampleId :

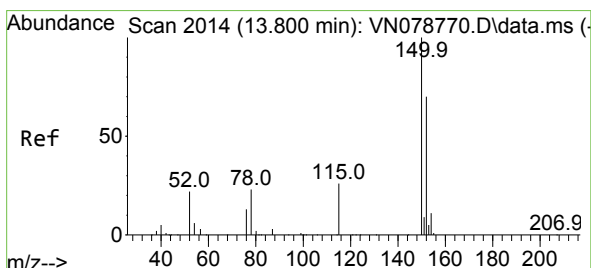
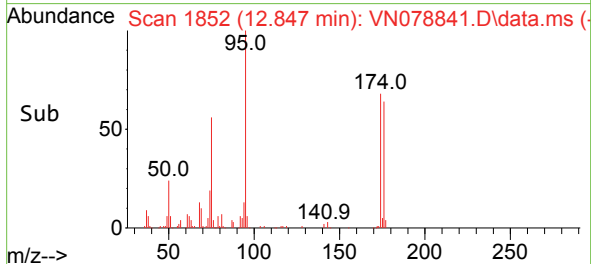
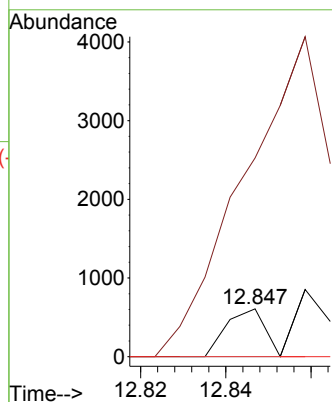
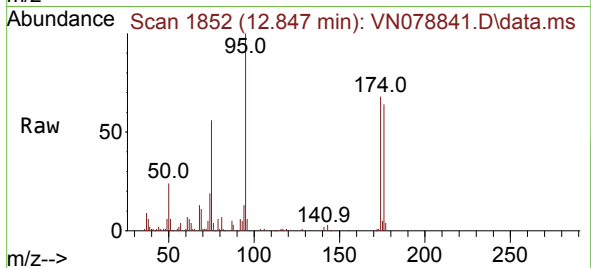
Tgt Ion:173 Resp: 382

Ion Ratio Lower Upper

173 100

175 0.0 24.3 73.0#

254 0.0 0.0 0.0



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.800 min Scan# 2014

Delta R.T. -0.000 min

Lab File: VN078841.D

Acq: 10 Aug 2023 16:45

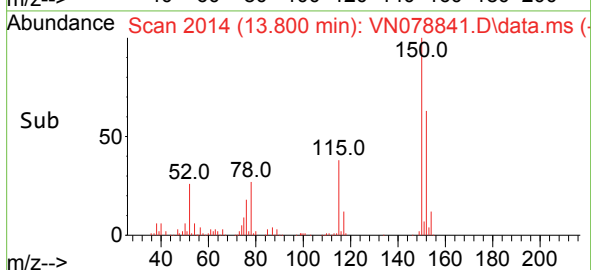
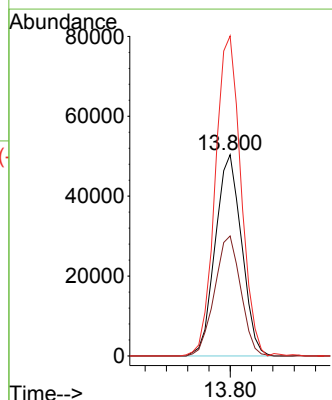
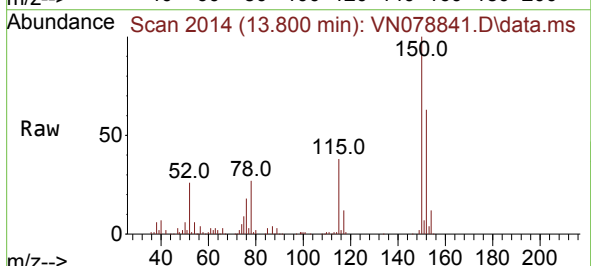
Tgt Ion:152 Resp: 86413

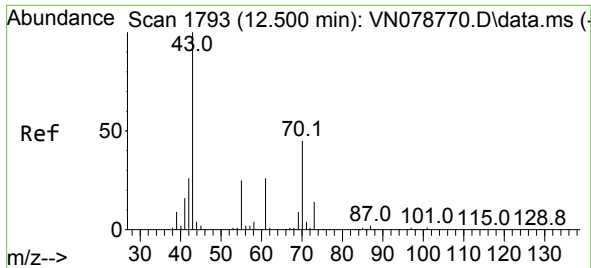
Ion Ratio Lower Upper

152 100

115 59.2 32.3 96.8

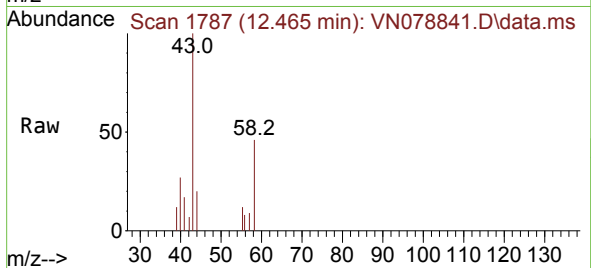
150 155.4 0.0 355.8



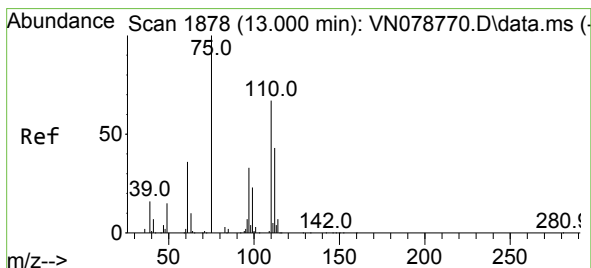
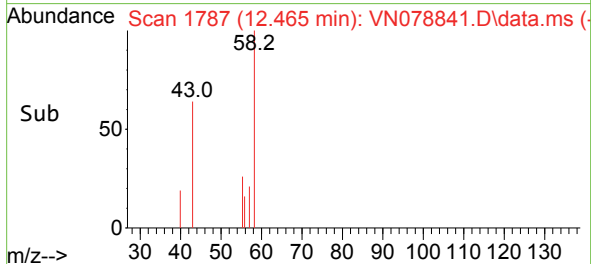
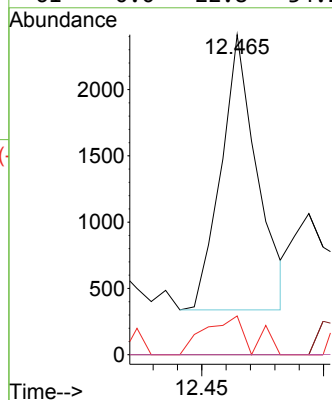


#74
N-amy1 acetate
Concen: 0.553 ug/l
RT: 12.465 min Scan# 11
Delta R.T. -0.036 min
Lab File: VN078841.D
Acq: 10 Aug 2023 16:45

Instrument :
MSVOA_N
ClientSampleId :

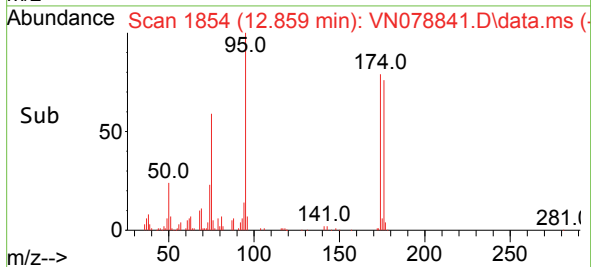
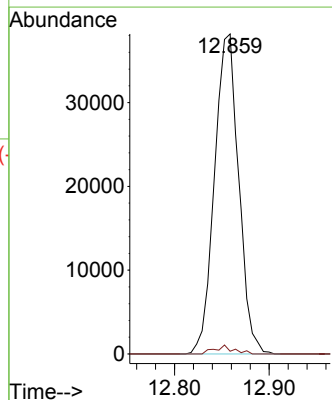
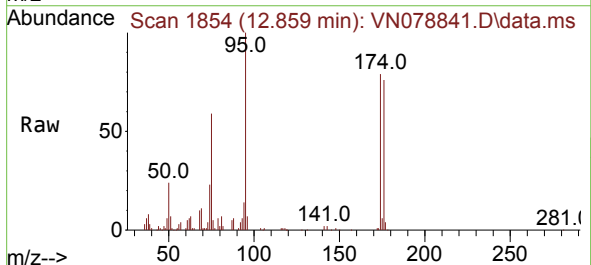


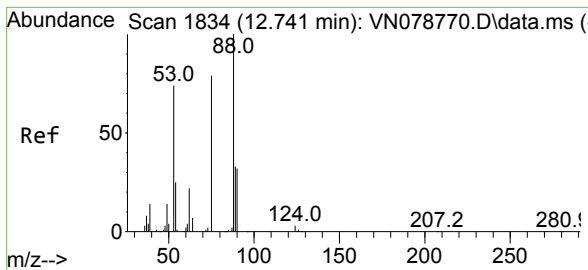
Tgt Ion: 43	Resp: 2132
Ion Ratio	Lower Upper
43 100	
70 0.0	43.4 65.2#
55 18.2	21.4 32.0#
61 0.0	22.8 34.2#



#76
1,2,3-Trichloropropane
Concen: 29.015 ug/l
RT: 12.859 min Scan# 1854
Delta R.T. -0.141 min
Lab File: VN078841.D
Acq: 10 Aug 2023 16:45

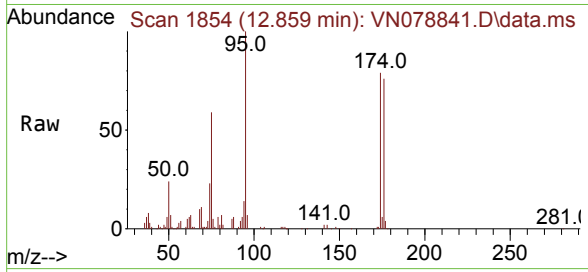
Tgt Ion: 75	Resp: 67789
Ion Ratio	Lower Upper
75 100	
77 2.1	84.5 253.5#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 77.858 ug/l
 RT: 12.859 min Scan# 11
 Delta R.T. 0.117 min
 Lab File: VN078841.D
 Acq: 10 Aug 2023 16:45

Instrument :
 MSVOA_N
 ClientSampleId :



Tgt Ion	Ratio	Lower	Upper
75	100		
53	0.1	67.4	101.2#
89	0.0	38.8	58.2#

