

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN071423\
 Data File : VN078527.D
 Acq On : 14 Jul 2023 17:13
 Operator : JC\MD
 Sample : 03635-01
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 TB-01-071423

Quant Time: Jul 15 04:04:55 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N071023W.M
 Quant Title : SW846 8260
 QLast Update : Mon Jul 10 16:13:53 2023
 Response via : Initial Calibration

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

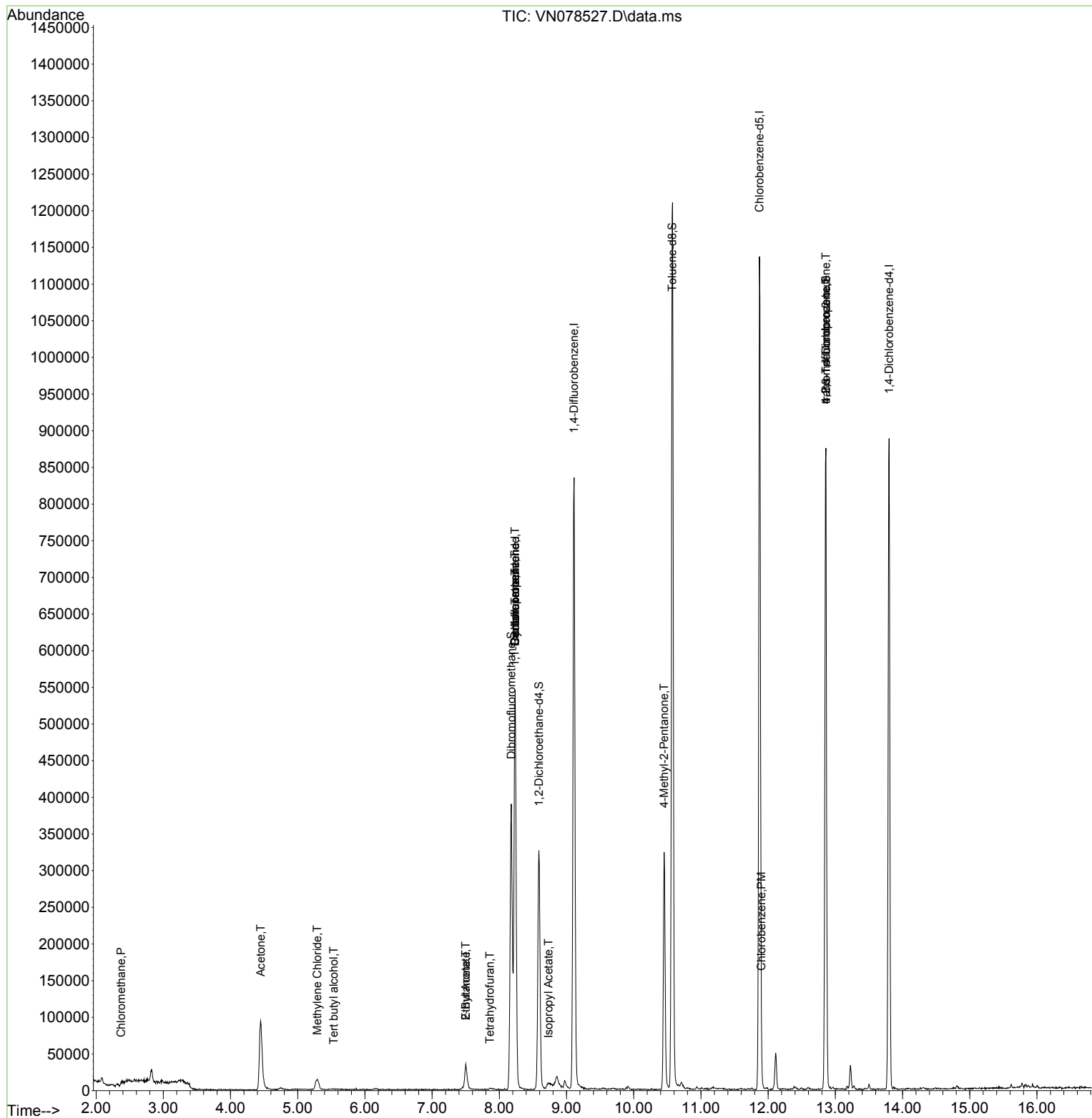
Internal Standards						
1) Pentafluorobenzene	8.236	168	395440	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.112	114	732547	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.871	117	681114	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.800	152	242793	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.588	65	271051	51.129	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	= 102.260%	
35) Dibromofluoromethane	8.177	113	271875	54.673	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 109.340%	
50) Toluene-d8	10.571	98	870031	46.314	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	= 92.620%	
62) 4-Bromofluorobenzene	12.859	95	298680	51.618	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	= 103.240%	
Target Compounds						
					Qvalue	
3) Chloromethane	2.371	50	1573	0.299	ug/l	94
5) Bromomethane	2.942	94	173	Below Cal	#	4
6) Chloroethane	3.095	64	718	Below Cal	#	43
11) Tert butyl alcohol	5.536	59	314	0.384	ug/l #	72
16) Acetone	4.448	43	173436	105.027	ug/l	99
20) Methylene Chloride	5.289	84	13267	1.618	ug/l	90
25) 2-Butanone	7.500	43	51342	19.751	ug/l	92
29) Tetrahydrofuran	7.859	42	1467	0.860	ug/l #	32
31) Cyclohexane	8.236	56	9642	1.346	ug/l #	34
36) 1,1-Dichloropropene	8.230	75	34482	4.802	ug/l #	48
37) Ethyl Acetate	7.500	43	51342	8.578	ug/l #	64
38) Carbon Tetrachloride	8.236	117	42663	5.467	ug/l #	18
43) Isopropyl Acetate	8.730	43	5049	0.512	ug/l #	49
51) 4-Methyl-2-Pentanone	10.453	43	209061	35.667	ug/l	91
65) Chlorobenzene	11.900	112	3262	0.214	ug/l #	76
75) 1,1,2,2-Tetrachloroethane	12.853	83	719	Below Cal	#	7
76) 1,2,3-Trichloropropane	12.859	75	160018	27.267	ug/l #	1
77) Bromobenzene	12.853	156	98	Below Cal	#	1
81) trans-1,4-Dichloro-2-b...	12.859	75	160018	71.652	ug/l #	15
90) Hexachloroethane	14.329	117	66	Below Cal	#	21
94) Hexachlorobutadiene	15.506	225	63	Below Cal	#	19

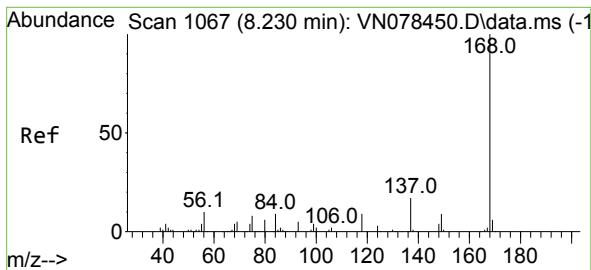
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN071423\
Data File : VN078527.D
Acq On : 14 Jul 2023 17:13
Operator : JC\MD
Sample : 03635-01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 21 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
TB-01-071423

Quant Time: Jul 15 04:04:55 2023
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N071023W.M
Quant Title : SW846 8260
QLast Update : Mon Jul 10 16:13:53 2023
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 8.236 min Scan# 10

Delta R.T. 0.006 min

Lab File: VN078527.D

Acq: 14 Jul 2023 17:13

Instrument :

MSVOA_N

ClientSampleId :

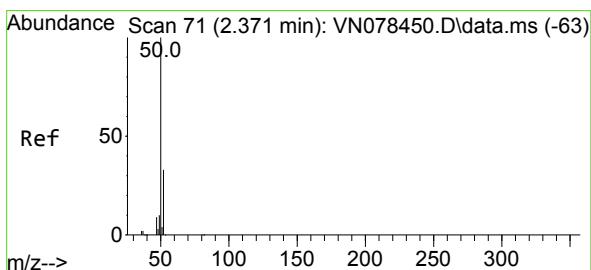
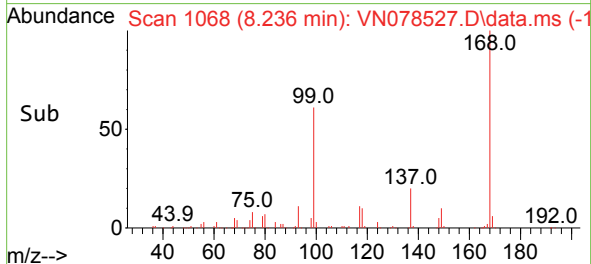
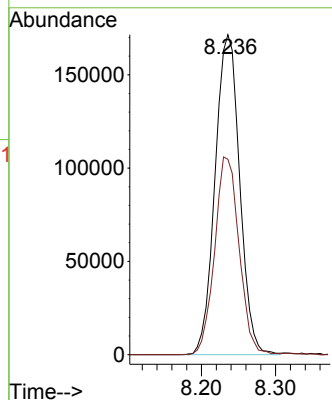
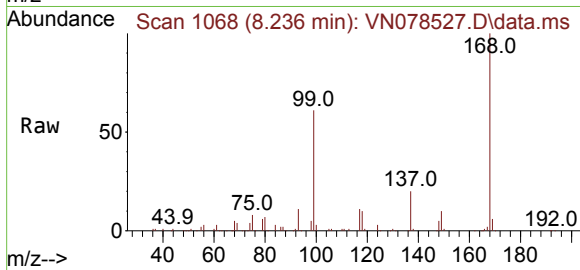
TB-01-071423

Tgt Ion:168 Resp: 395440

Ion Ratio Lower Upper

168 100

99 61.1 53.0 79.6



#3

Chloromethane

Concen: 0.299 ug/l

RT: 2.371 min Scan# 71

Delta R.T. 0.000 min

Lab File: VN078527.D

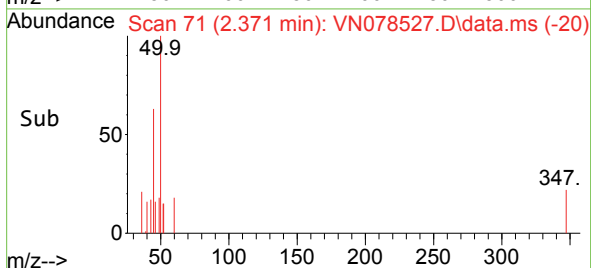
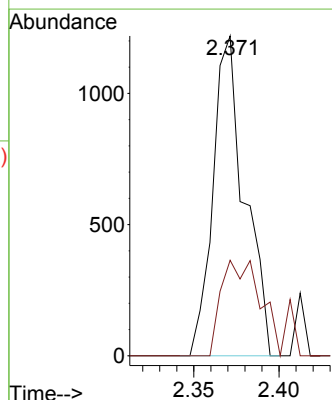
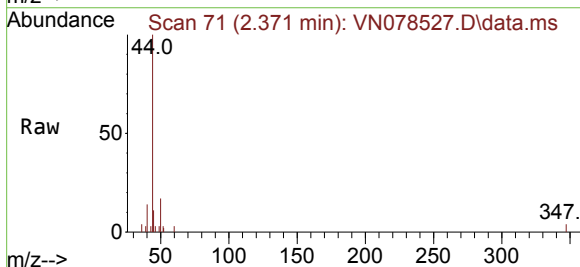
Acq: 14 Jul 2023 17:13

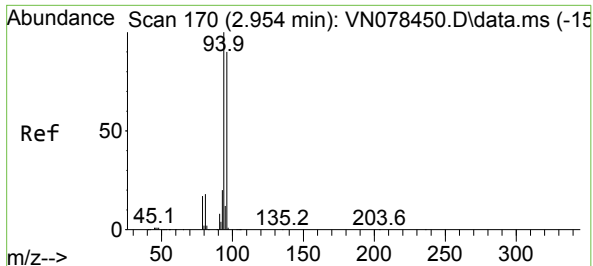
Tgt Ion: 50 Resp: 1573

Ion Ratio Lower Upper

50 100

52 29.9 26.5 39.7

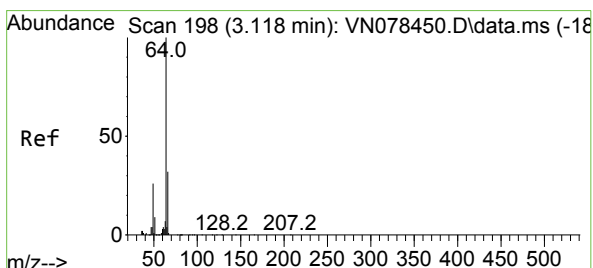
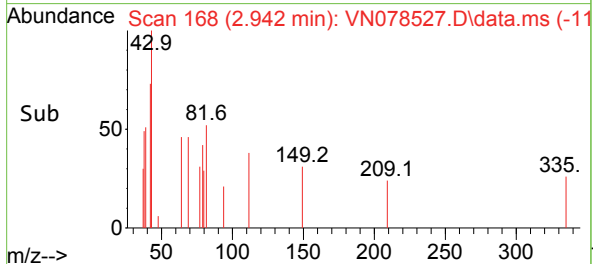
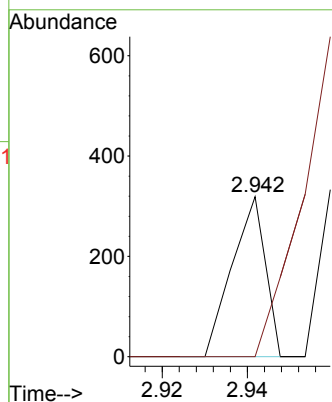
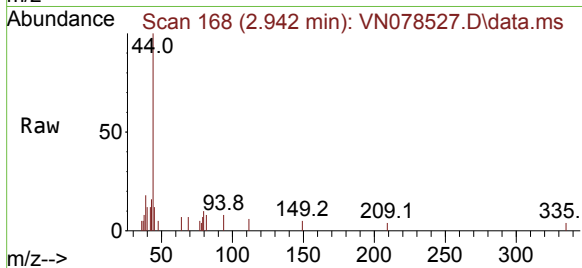




#5
Bromomethane
Concen: Below Cal
RT: 2.942 min Scan# 11
Delta R.T. -0.012 min
Lab File: VN078527.D
Acq: 14 Jul 2023 17:13

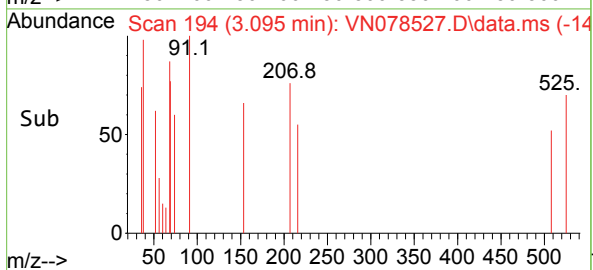
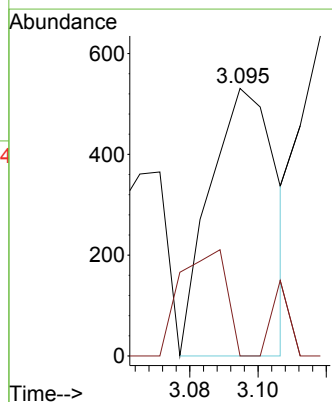
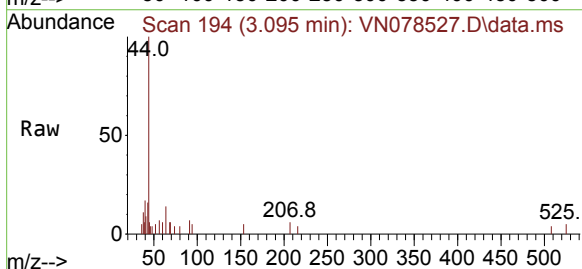
Instrument :
MSVOA_N
ClientSampleId :
TB-01-071423

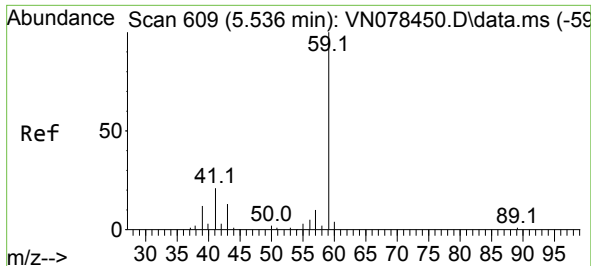
Tgt Ion: 94 Resp: 173
Ion Ratio Lower Upper
94 100
96 0.0 73.1 109.7#



#6
Chloroethane
Concen: Below Cal
RT: 3.095 min Scan# 194
Delta R.T. -0.023 min
Lab File: VN078527.D
Acq: 14 Jul 2023 17:13

Tgt Ion: 64 Resp: 718
Ion Ratio Lower Upper
64 100
66 0.0 25.4 38.2#

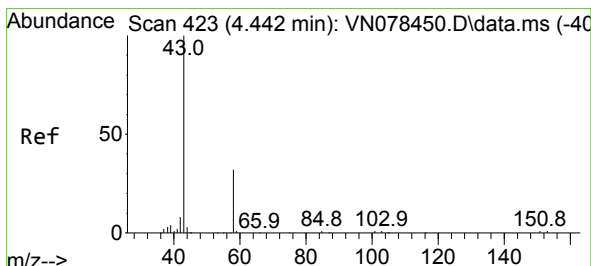
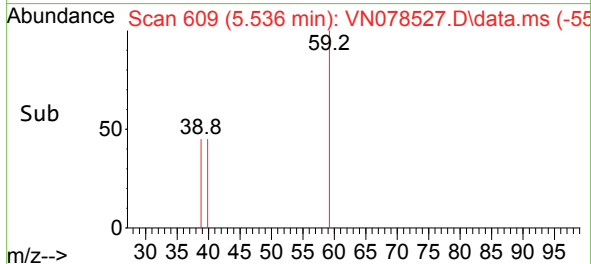
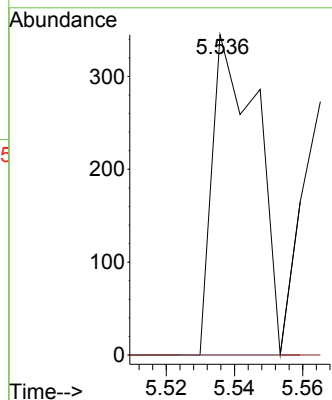
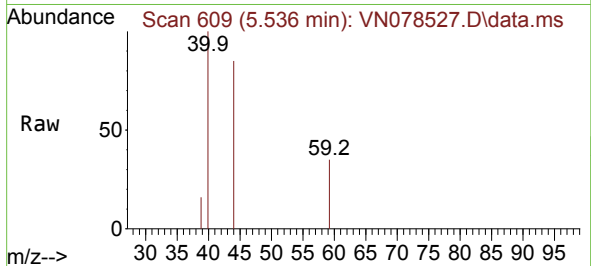




#11
Tert butyl alcohol
Concen: 0.384 ug/l
RT: 5.536 min Scan# 609
Delta R.T. -0.000 min
Lab File: VN078527.D
Acq: 14 Jul 2023 17:13

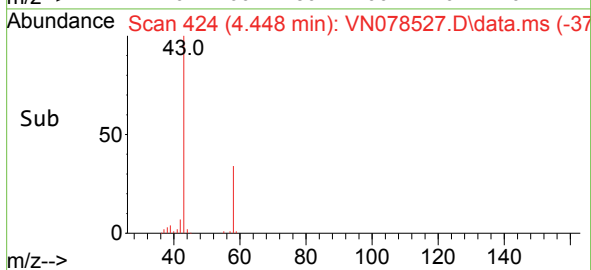
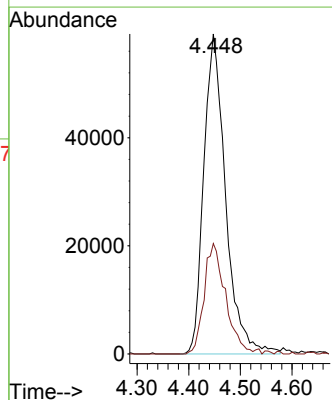
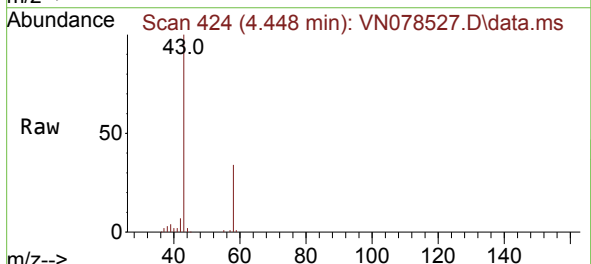
Instrument :
MSVOA_N
ClientSampleId :
TB-01-071423

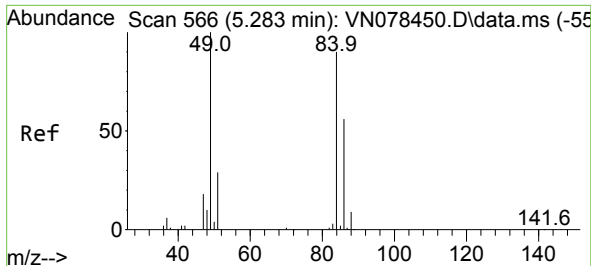
Tgt Ion: 59 Resp: 314
Ion Ratio Lower Upper
59 100
57 0.0 8.2 12.4#



#16
Acetone
Concen: 105.027 ug/l
RT: 4.448 min Scan# 424
Delta R.T. 0.006 min
Lab File: VN078527.D
Acq: 14 Jul 2023 17:13

Tgt Ion: 43 Resp: 173436
Ion Ratio Lower Upper
43 100
58 34.5 28.0 42.0

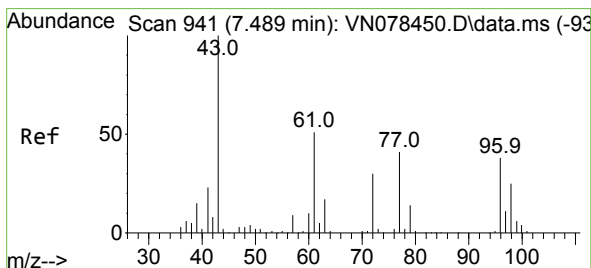
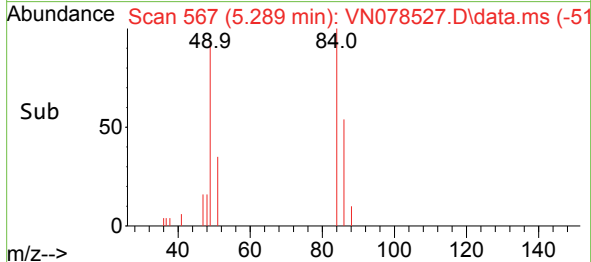
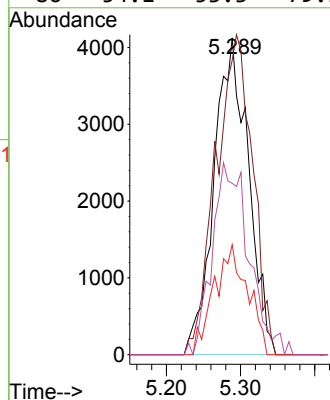
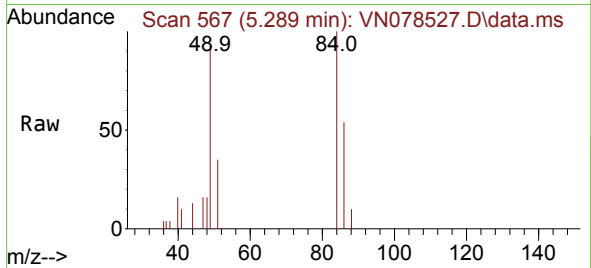




#20
Methylene Chloride
Concen: 1.618 ug/l
RT: 5.289 min Scan# 51
Delta R.T. 0.006 min
Lab File: VN078527.D
Acq: 14 Jul 2023 17:13

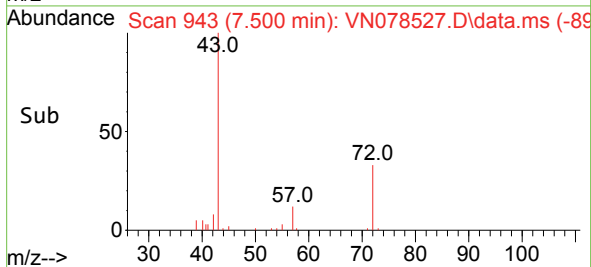
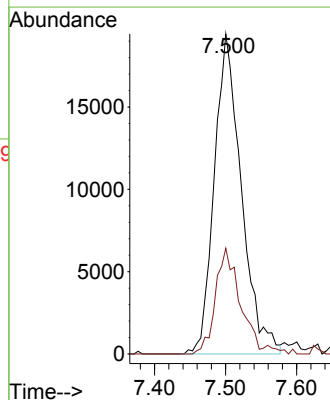
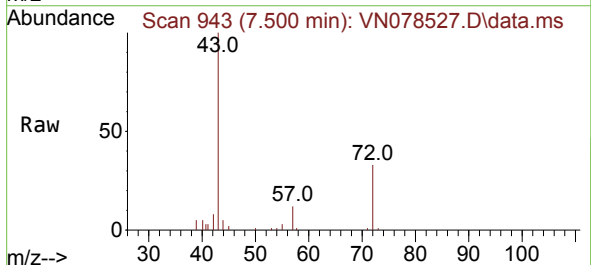
Instrument :
MSVOA_N
ClientSampleId :
TB-01-071423

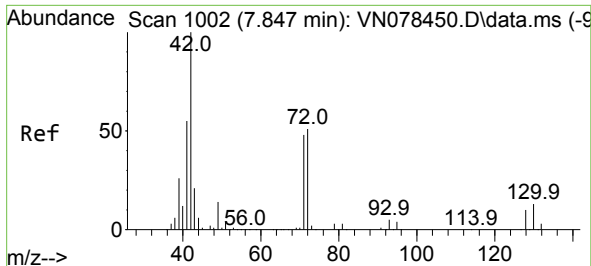
Tgt Ion:	84	Resp:	13267
Ion	Ratio	Lower	Upper
84	100		
49	92.9	79.7	119.5
51	34.7	25.2	37.8
86	54.1	53.3	79.9



#25
2-Butanone
Concen: 19.751 ug/l
RT: 7.500 min Scan# 943
Delta R.T. 0.011 min
Lab File: VN078527.D
Acq: 14 Jul 2023 17:13

Tgt Ion:	43	Resp:	51342
Ion	Ratio	Lower	Upper
43	100		
72	33.0	30.2	45.2

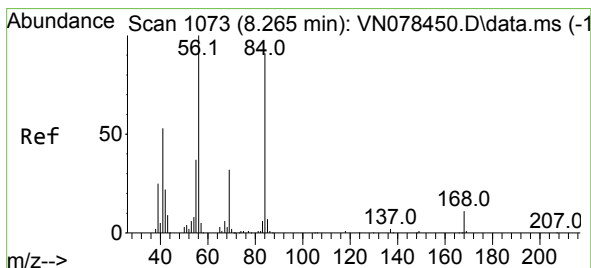
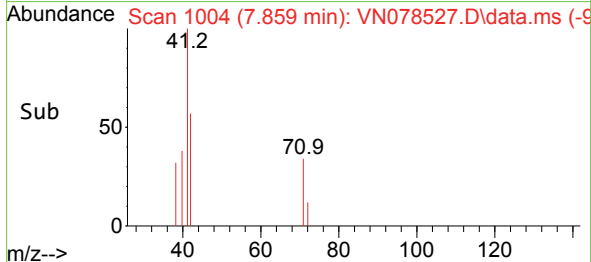
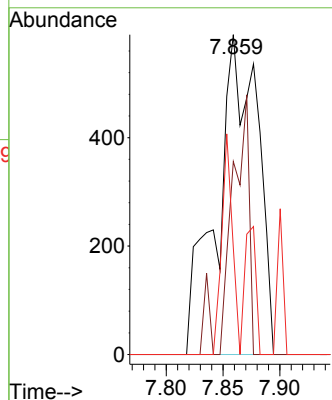
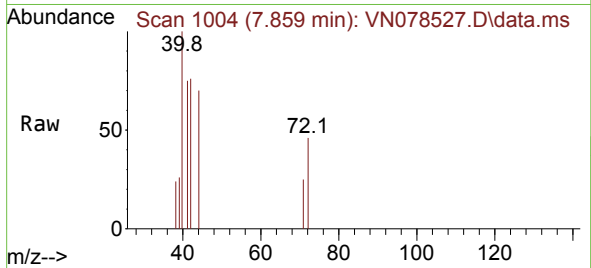




#29
Tetrahydrofuran
Concen: 0.860 ug/l
RT: 7.859 min Scan# 1068
Delta R.T. 0.012 min
Lab File: VN078527.D
Acq: 14 Jul 2023 17:13

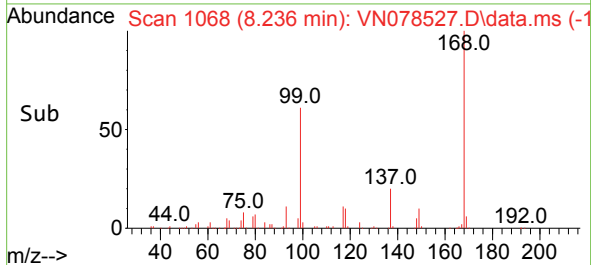
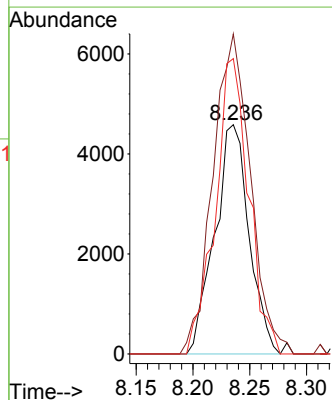
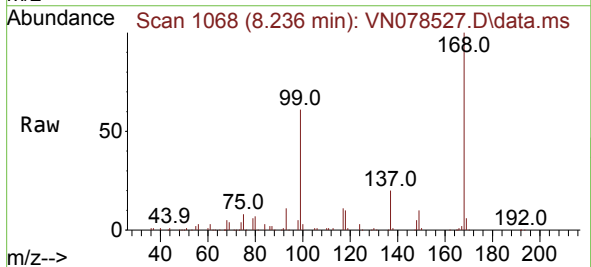
Instrument :
MSVOA_N
ClientSampleId :
TB-01-071423

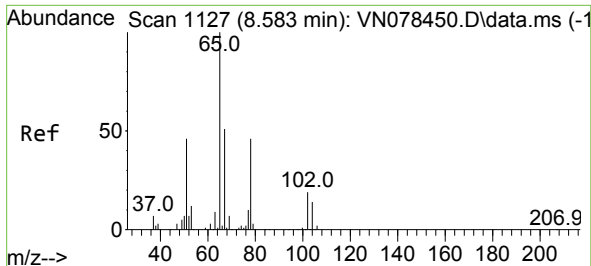
Tgt Ion: 42 Resp: 1467
Ion Ratio Lower Upper
42 100
72 0.0 49.8 74.6#
71 18.2 47.4 71.2#



#31
Cyclohexane
Concen: 1.346 ug/l
RT: 8.236 min Scan# 1068
Delta R.T. -0.029 min
Lab File: VN078527.D
Acq: 14 Jul 2023 17:13

Tgt Ion: 56 Resp: 9642
Ion Ratio Lower Upper
56 100
69 139.5 26.8 40.2#
84 128.8 81.8 122.6#





#33

1,2-Dichloroethane-d4

Concen: 51.129 ug/l

RT: 8.588 min Scan# 1127

Delta R.T. 0.005 min

Lab File: VN078527.D

Acq: 14 Jul 2023 17:13

Instrument :

MSVOA_N

ClientSampleId :

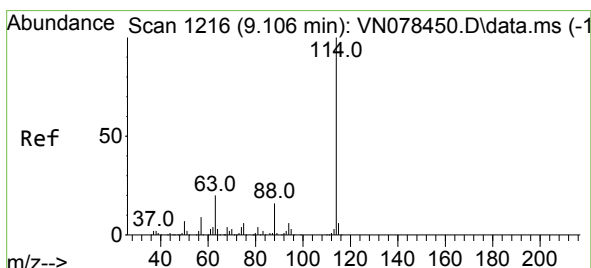
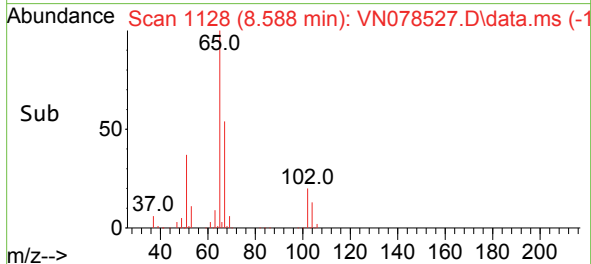
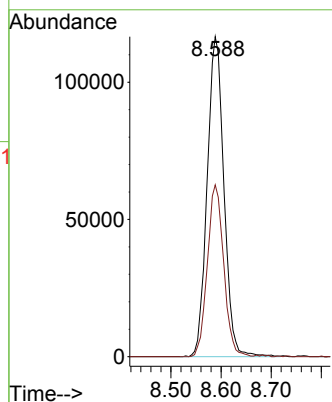
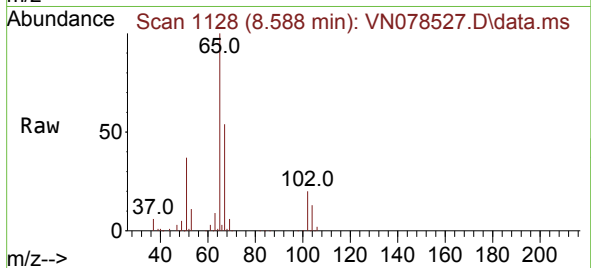
TB-01-071423

Tgt Ion: 65 Resp: 271051

Ion Ratio Lower Upper

65 100

67 52.3 0.0 106.6



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.112 min Scan# 1217

Delta R.T. 0.006 min

Lab File: VN078527.D

Acq: 14 Jul 2023 17:13

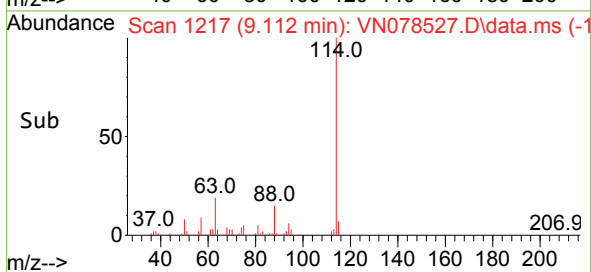
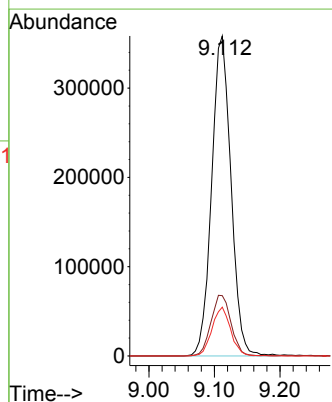
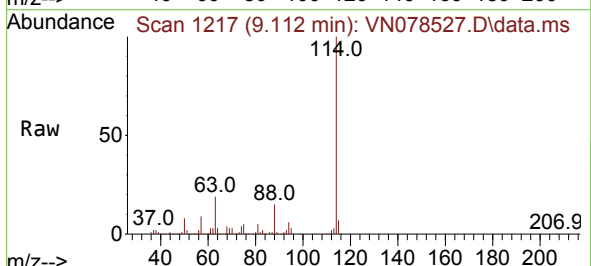
Tgt Ion: 114 Resp: 732547

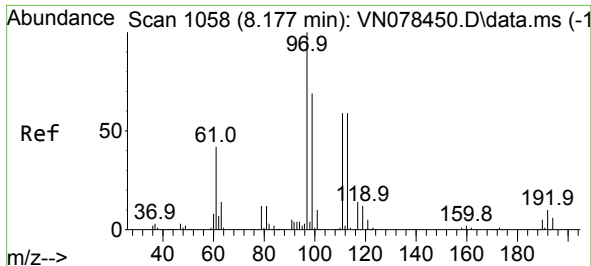
Ion Ratio Lower Upper

114 100

63 18.9 0.0 36.4

88 15.2 0.0 30.6

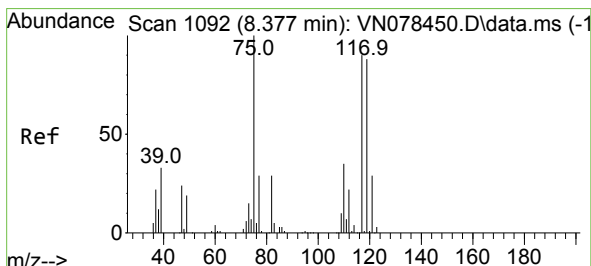
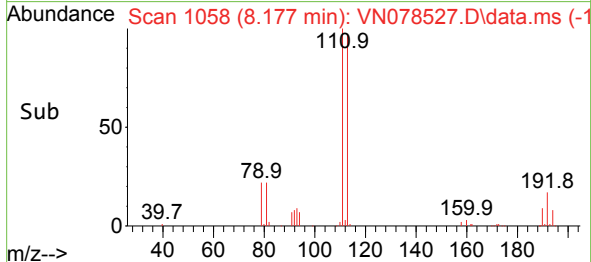
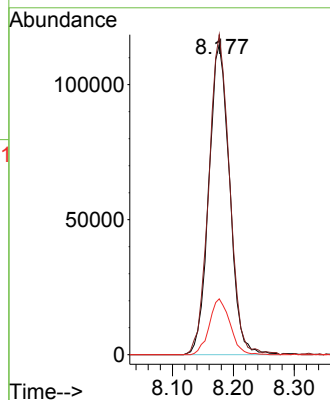
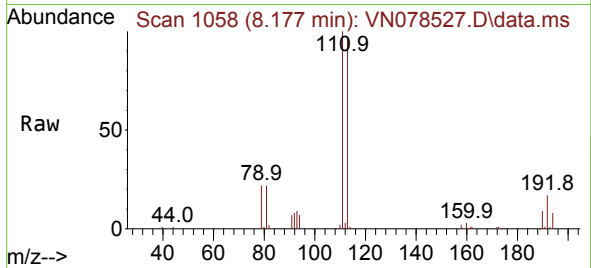




#35
Dibromofluoromethane
Concen: 54.673 ug/l
RT: 8.177 min Scan# 1058
Delta R.T. -0.000 min
Lab File: VN078527.D
Acq: 14 Jul 2023 17:13

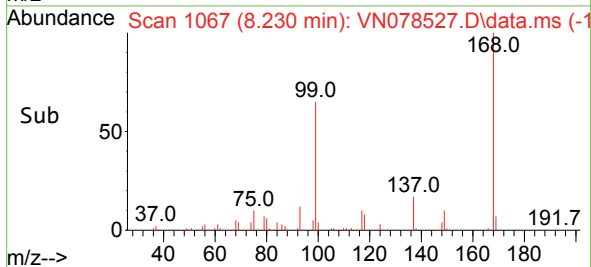
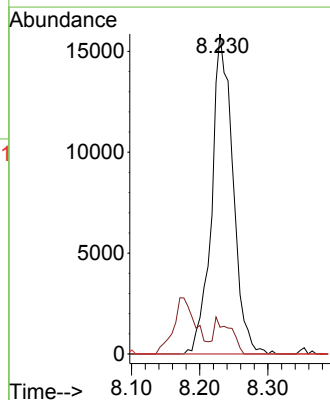
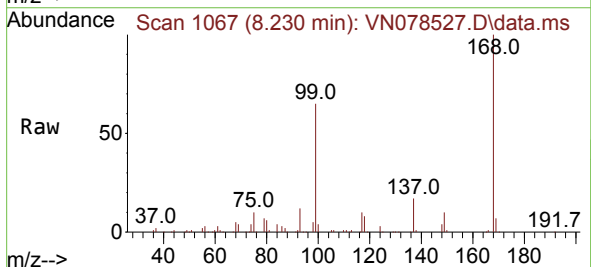
Instrument :
MSVOA_N
ClientSampleId :
TB-01-071423

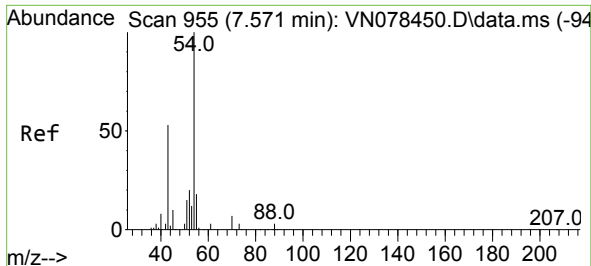
Tgt Ion:113 Resp: 271875
Ion Ratio Lower Upper
113 100
111 103.6 82.6 123.8
192 18.0 12.7 19.1



#36
1,1-Dichloropropene
Concen: 4.802 ug/l
RT: 8.230 min Scan# 1067
Delta R.T. -0.147 min
Lab File: VN078527.D
Acq: 14 Jul 2023 17:13

Tgt Ion: 75 Resp: 34482
Ion Ratio Lower Upper
75 100
110 9.1 19.1 57.3#
77 0.0 25.0 37.4#

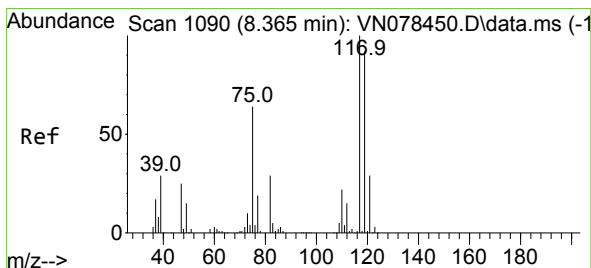
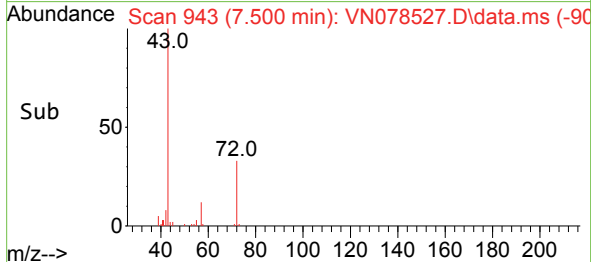
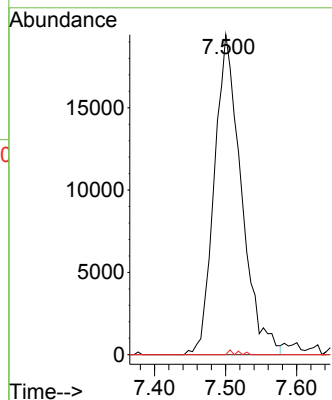
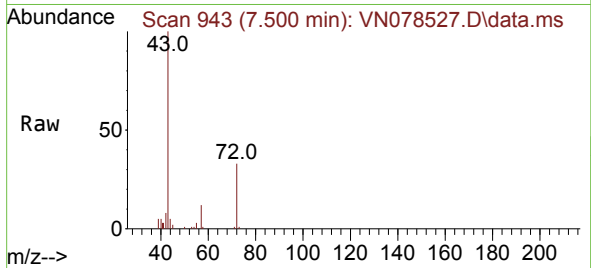




#37
Ethyl Acetate
Concen: 8.578 ug/l
RT: 7.500 min Scan# 94
Delta R.T. -0.071 min
Lab File: VN078527.D
Acq: 14 Jul 2023 17:13

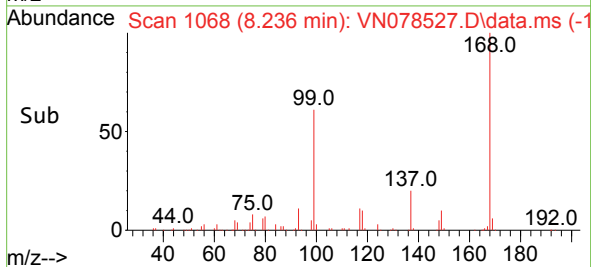
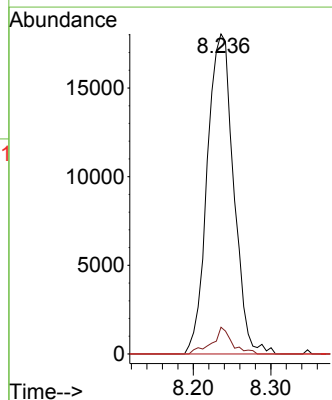
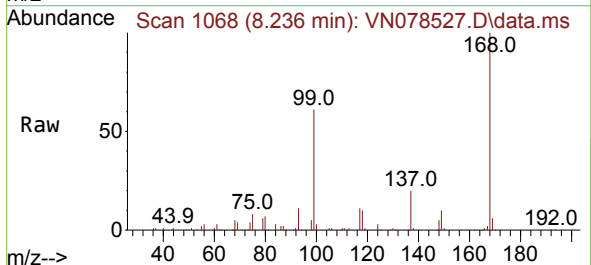
Instrument :
MSVOA_N
ClientSampleId :
TB-01-071423

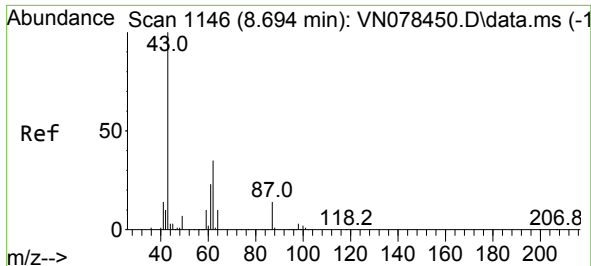
Tgt Ion: 43 Resp: 51342
Ion Ratio Lower Upper
43 100
61 0.0 13.2 19.8#
70 0.5 11.3 16.9#



#38
Carbon Tetrachloride
Concen: 5.467 ug/l
RT: 8.236 min Scan# 1068
Delta R.T. -0.129 min
Lab File: VN078527.D
Acq: 14 Jul 2023 17:13

Tgt Ion: 117 Resp: 42663
Ion Ratio Lower Upper
117 100
119 8.4 77.3 115.9#
121 0.0 23.3 34.9#

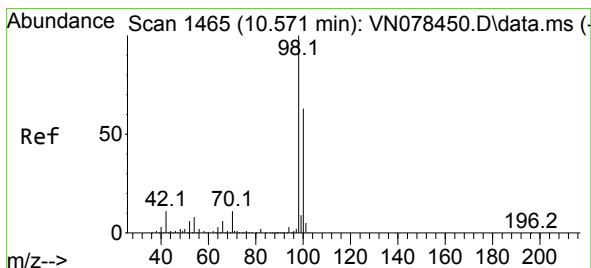
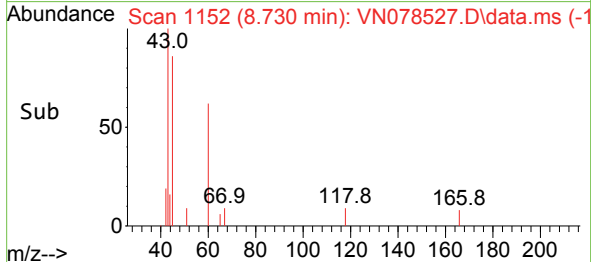
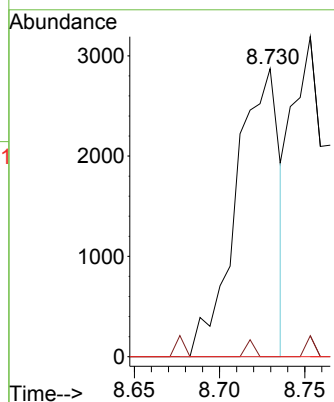
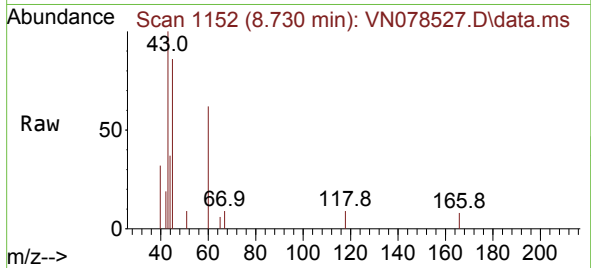




#43
Isopropyl Acetate
Concen: 0.512 ug/l
RT: 8.730 min Scan# 1146
Delta R.T. 0.036 min
Lab File: VN078527.D
Acq: 14 Jul 2023 17:13

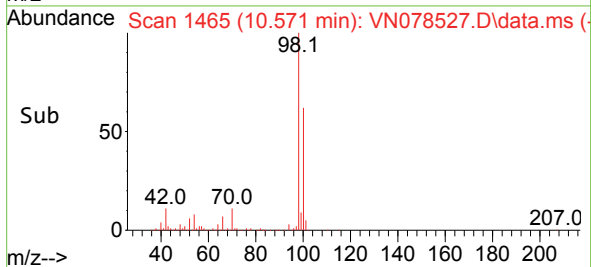
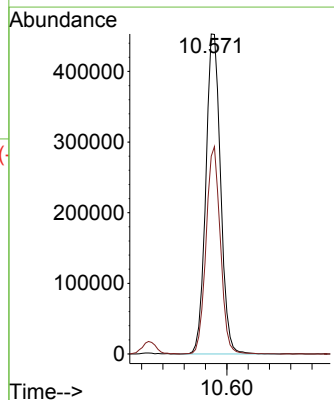
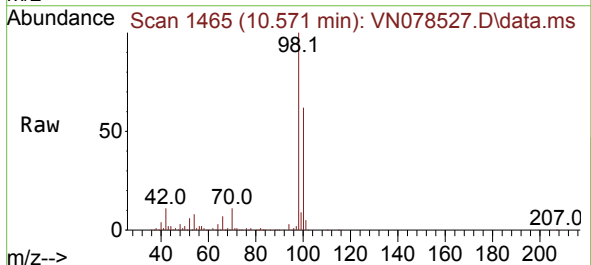
Instrument :
MSVOA_N
ClientSampleId :
TB-01-071423

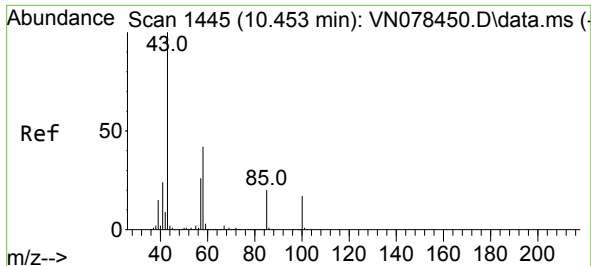
Tgt Ion: 43 Resp: 5049
Ion Ratio Lower Upper
43 100
61 0.0 24.7 37.1#
87 0.0 14.6 21.8#



#50
Toluene-d8
Concen: 46.314 ug/l
RT: 10.571 min Scan# 1465
Delta R.T. -0.000 min
Lab File: VN078527.D
Acq: 14 Jul 2023 17:13

Tgt Ion: 98 Resp: 870031
Ion Ratio Lower Upper
98 100
100 62.8 52.0 78.0

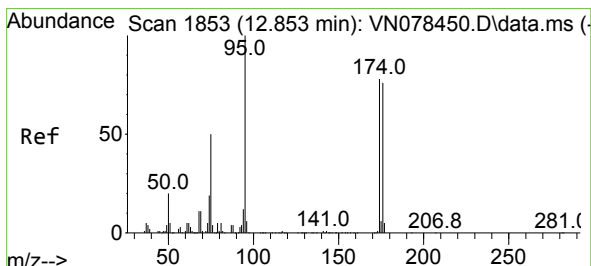
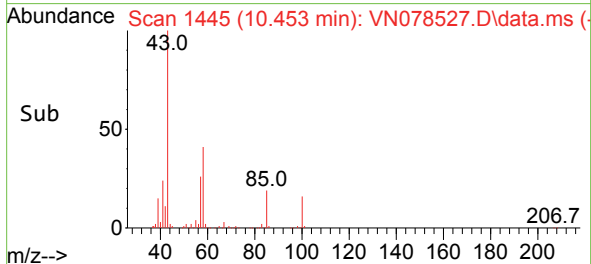
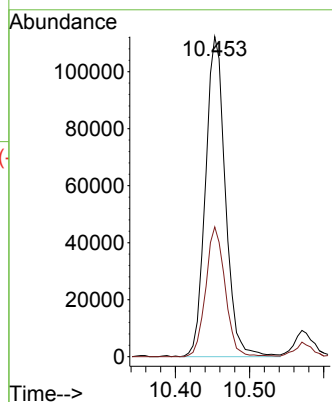
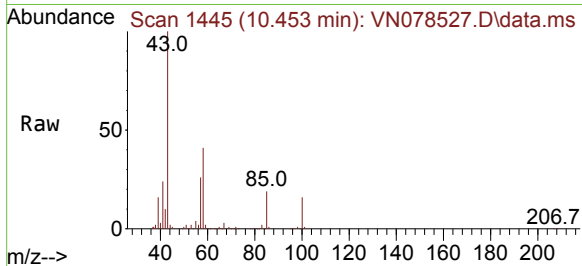




#51
4-Methyl-2-Pentanone
Concen: 35.667 ug/l
RT: 10.453 min Scan# 1445
Delta R.T. 0.000 min
Lab File: VN078527.D
Acq: 14 Jul 2023 17:13

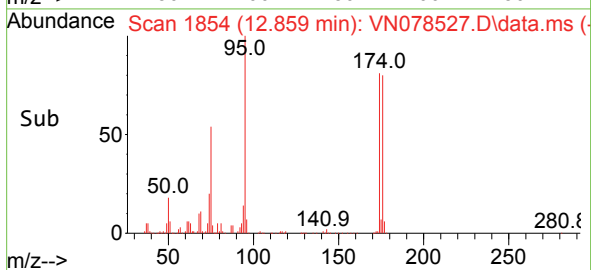
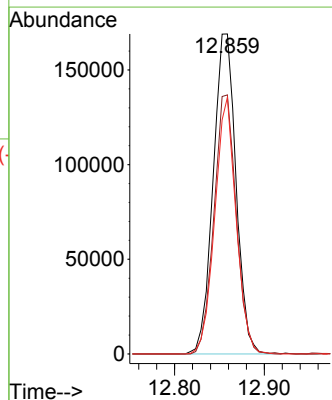
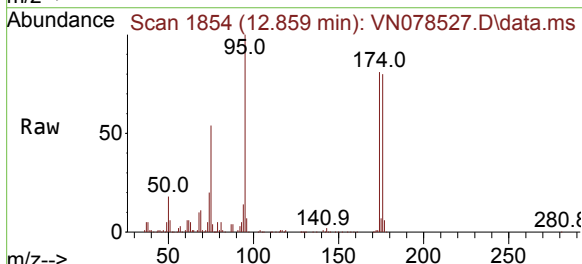
Instrument :
MSVOA_N
ClientSampleId :
TB-01-071423

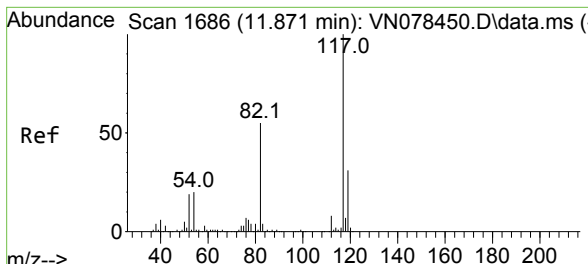
Tgt Ion: 43 Resp: 209061
Ion Ratio Lower Upper
43 100
58 39.7 36.6 54.8



#62
4-Bromofluorobenzene
Concen: 51.618 ug/l
RT: 12.859 min Scan# 1854
Delta R.T. 0.006 min
Lab File: VN078527.D
Acq: 14 Jul 2023 17:13

Tgt Ion: 95 Resp: 298680
Ion Ratio Lower Upper
95 100
174 79.1 0.0 143.8
176 74.7 0.0 135.8

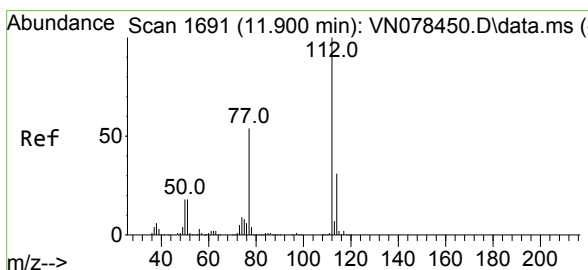
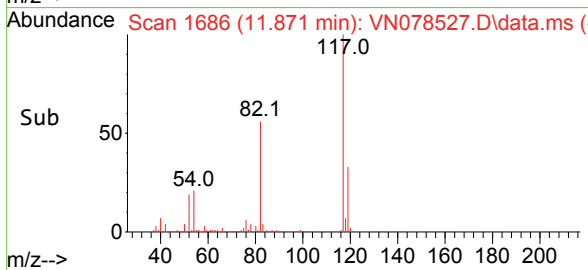
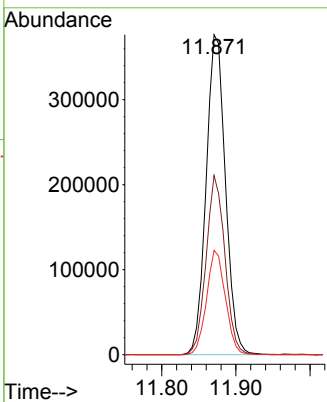
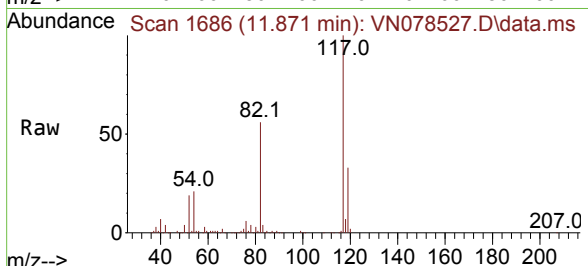




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.871 min Scan# 1686
Delta R.T. -0.000 min
Lab File: VN078527.D
Acq: 14 Jul 2023 17:13

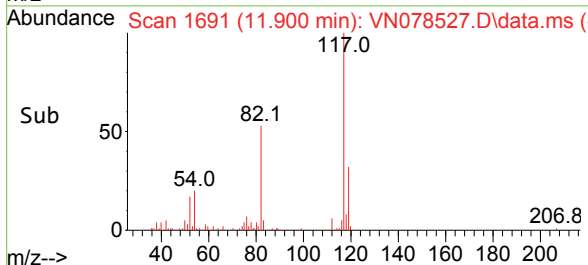
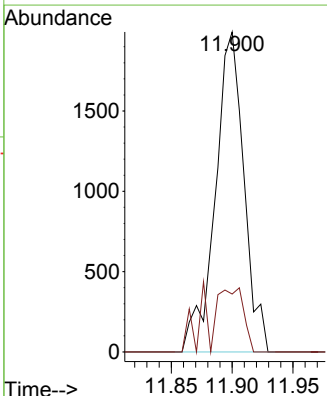
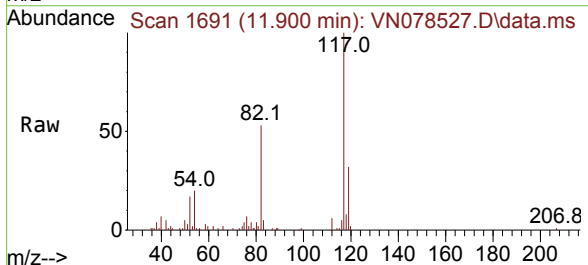
Instrument : MSVOA_N
ClientSampleId : TB-01-071423

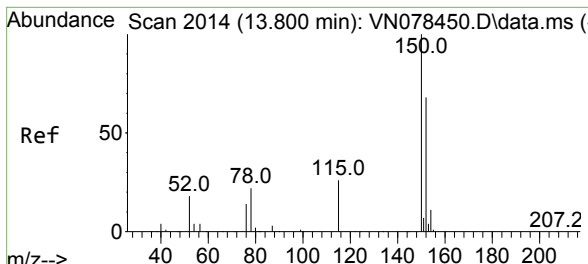
Tgt Ion:	117	Resp:	681114
Ion	Ratio	Lower	Upper
117	100		
82	56.0	44.0	66.0
119	32.6	25.6	38.4



#65
Chlorobenzene
Concen: 0.214 ug/l
RT: 11.900 min Scan# 1691
Delta R.T. 0.000 min
Lab File: VN078527.D
Acq: 14 Jul 2023 17:13

Tgt Ion:	112	Resp:	3262
Ion	Ratio	Lower	Upper
112	100		
114	18.1	25.0	37.4#



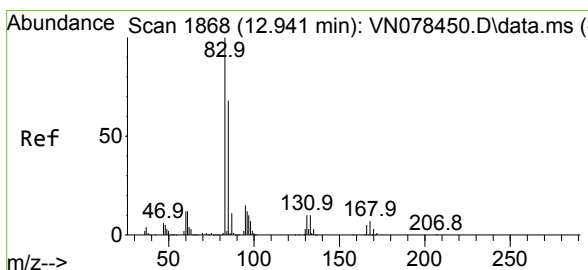
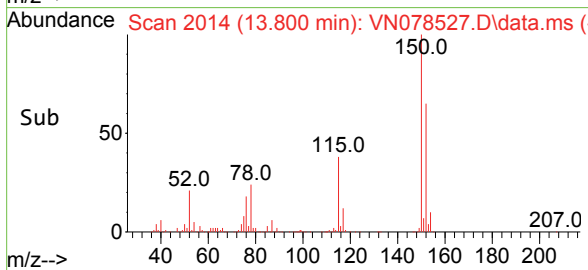
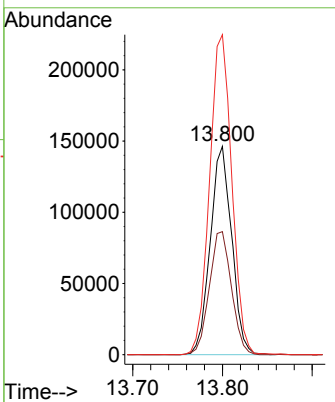
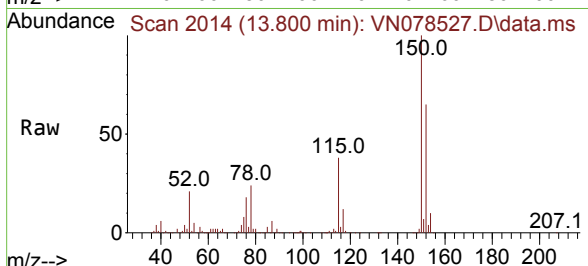


#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.800 min Scan# 20
 Delta R.T. -0.000 min
 Lab File: VN078527.D
 Acq: 14 Jul 2023 17:13

Instrument :
 MSVOA_N
 ClientSampleId :
 TB-01-071423

Tgt Ion:152 Resp: 242793

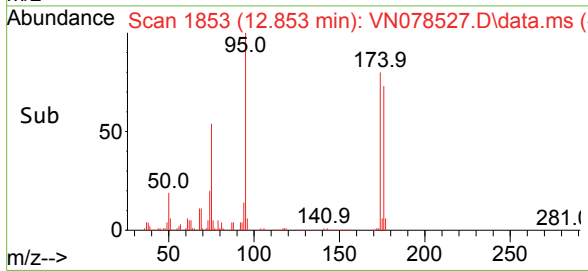
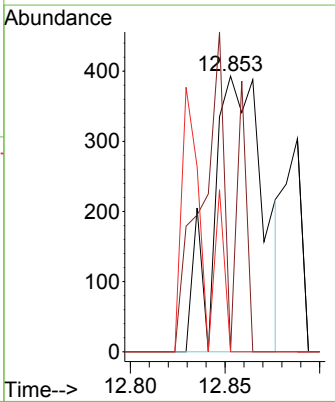
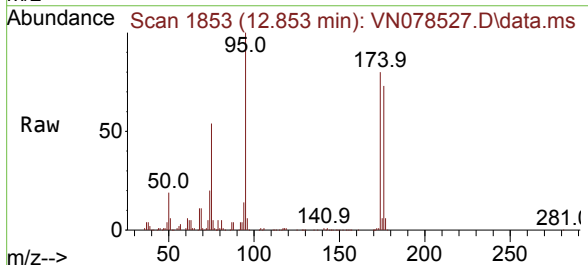
Ion	Ratio	Lower	Upper
152	100		
115	60.8	32.3	96.8
150	159.1	0.0	355.8

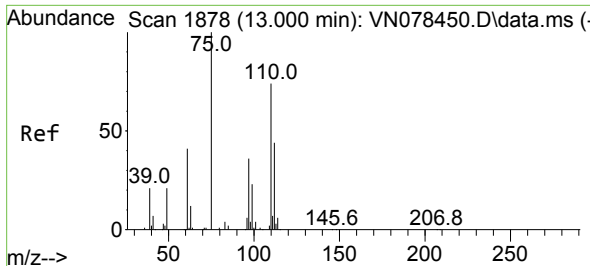


#75
 1,1,2,2-Tetrachloroethane
 Concen: Below Cal
 RT: 12.853 min Scan# 1853
 Delta R.T. -0.088 min
 Lab File: VN078527.D
 Acq: 14 Jul 2023 17:13

Tgt Ion: 83 Resp: 719

Ion	Ratio	Lower	Upper
83	100		
131	70.8	5.0	15.0#
85	0.0	31.9	95.7#

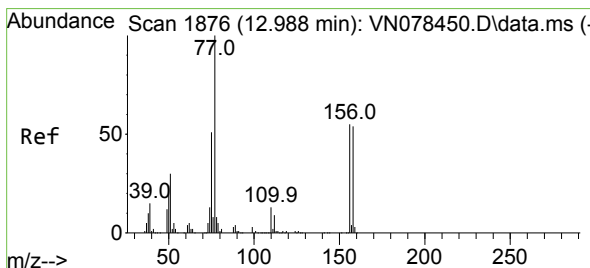
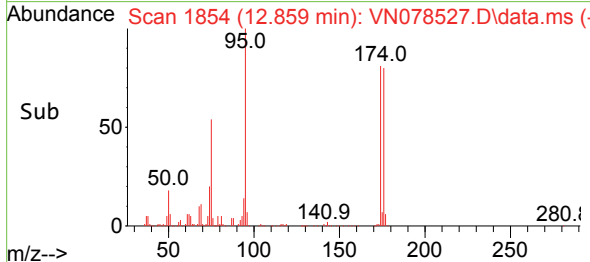
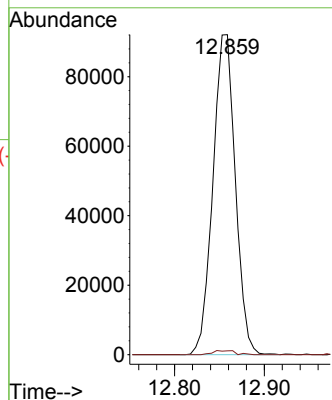
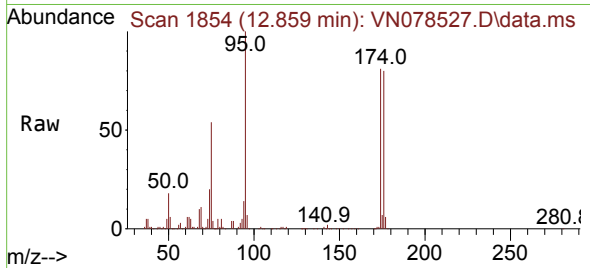




#76
1,2,3-Trichloropropane
Concen: 27.267 ug/l
RT: 12.859 min Scan# 1854
Delta R.T. -0.141 min
Lab File: VN078527.D
Acq: 14 Jul 2023 17:13

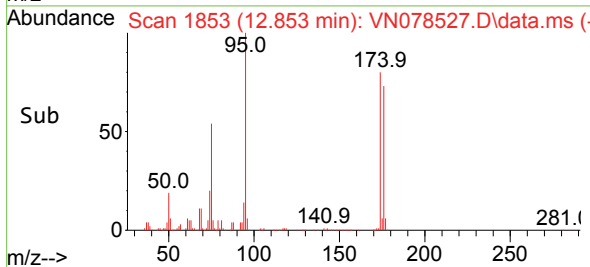
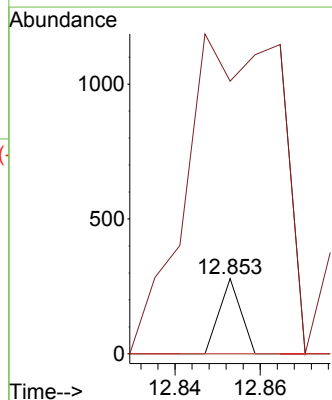
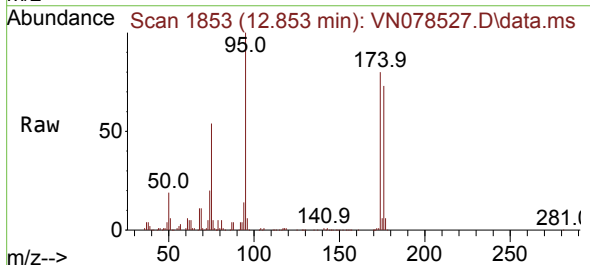
Instrument :
MSVOA_N
ClientSampleId :
TB-01-071423

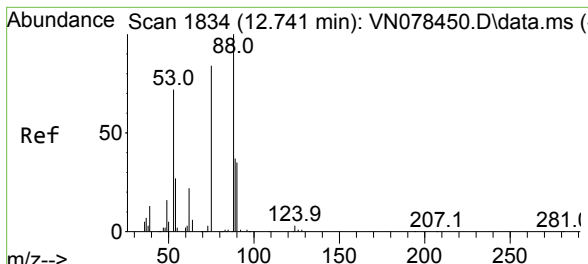
Tgt Ion: 75 Resp: 160018
Ion Ratio Lower Upper
75 100
77 1.3 84.5 253.5#



#77
Bromobenzene
Concen: Below Cal
RT: 12.853 min Scan# 1853
Delta R.T. -0.135 min
Lab File: VN078527.D
Acq: 14 Jul 2023 17:13

Tgt Ion:156 Resp: 98
Ion Ratio Lower Upper
156 100
77 2052.0 107.7 323.3#
158 0.0 48.4 145.3#

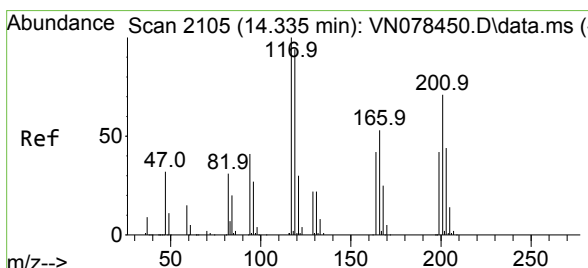
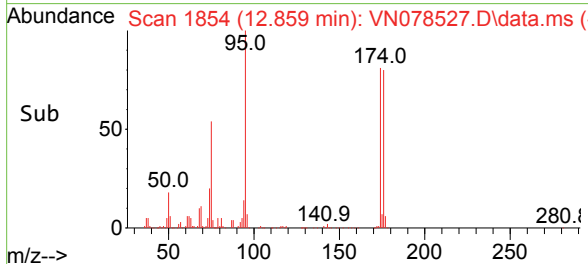
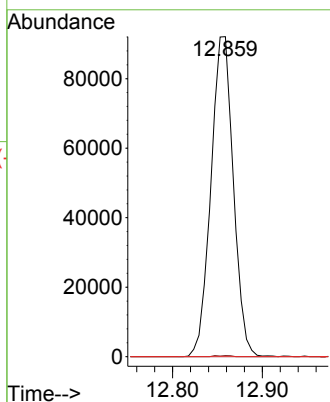
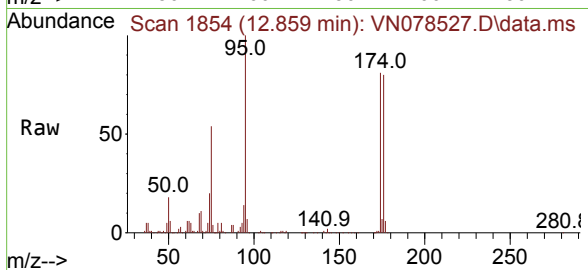




#81
trans-1,4-Dichloro-2-butene
Concen: 71.652 ug/l
RT: 12.859 min Scan# 11
Delta R.T. 0.118 min
Lab File: VN078527.D
Acq: 14 Jul 2023 17:13

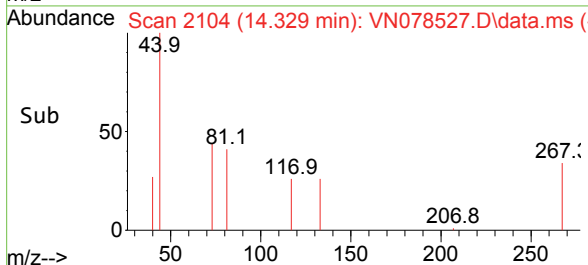
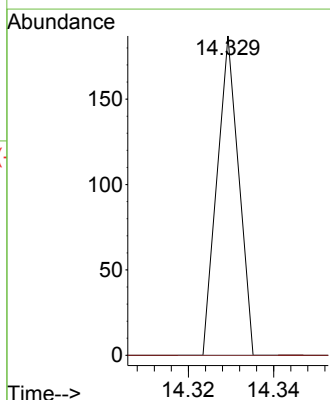
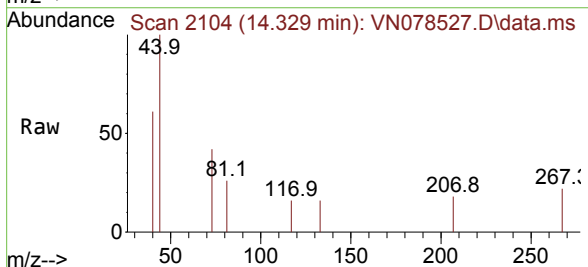
Instrument :
MSVOA_N
ClientSampleId :
TB-01-071423

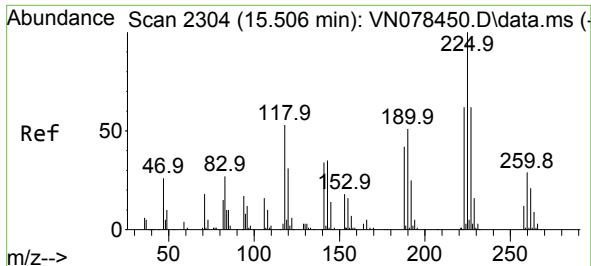
Tgt Ion: 75 Resp: 160018
Ion Ratio Lower Upper
75 100
53 0.2 67.4 101.2#
89 0.0 38.8 58.2#



#90
Hexachloroethane
Concen: Below Cal
RT: 14.329 min Scan# 2104
Delta R.T. -0.006 min
Lab File: VN078527.D
Acq: 14 Jul 2023 17:13

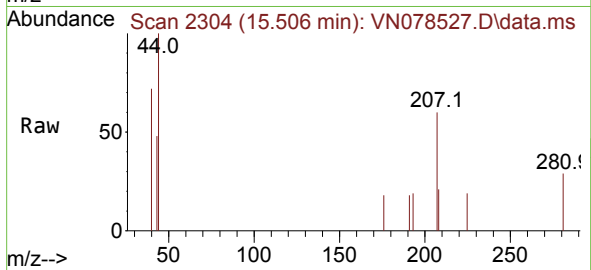
Tgt Ion: 117 Resp: 66
Ion Ratio Lower Upper
117 100
201 0.0 29.3 88.0#





#94
Hexachlorobutadiene
Concen: Below Cal
RT: 15.506 min Scan# 21
Delta R.T. -0.000 min
Lab File: VN078527.D
Acq: 14 Jul 2023 17:13

Instrument :
MSVOA_N
ClientSampleId :
TB-01-071423



Tgt Ion:225 Resp: 63
Ion Ratio Lower Upper
225 100
223 0.0 31.3 93.8#
227 0.0 31.9 95.9#

