

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN090223\
 Data File : VN079147.D
 Acq On : 02 Sep 2023 16:47
 Operator : JC\MD
 Sample : PB155301ZHE#09
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 PB155301ZHE#09

Quant Time: Sep 04 01:06:18 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N081523W.M
 Quant Title : SW846 8260
 QLast Update : Wed Aug 16 02:42:02 2023
 Response via : Initial Calibration

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

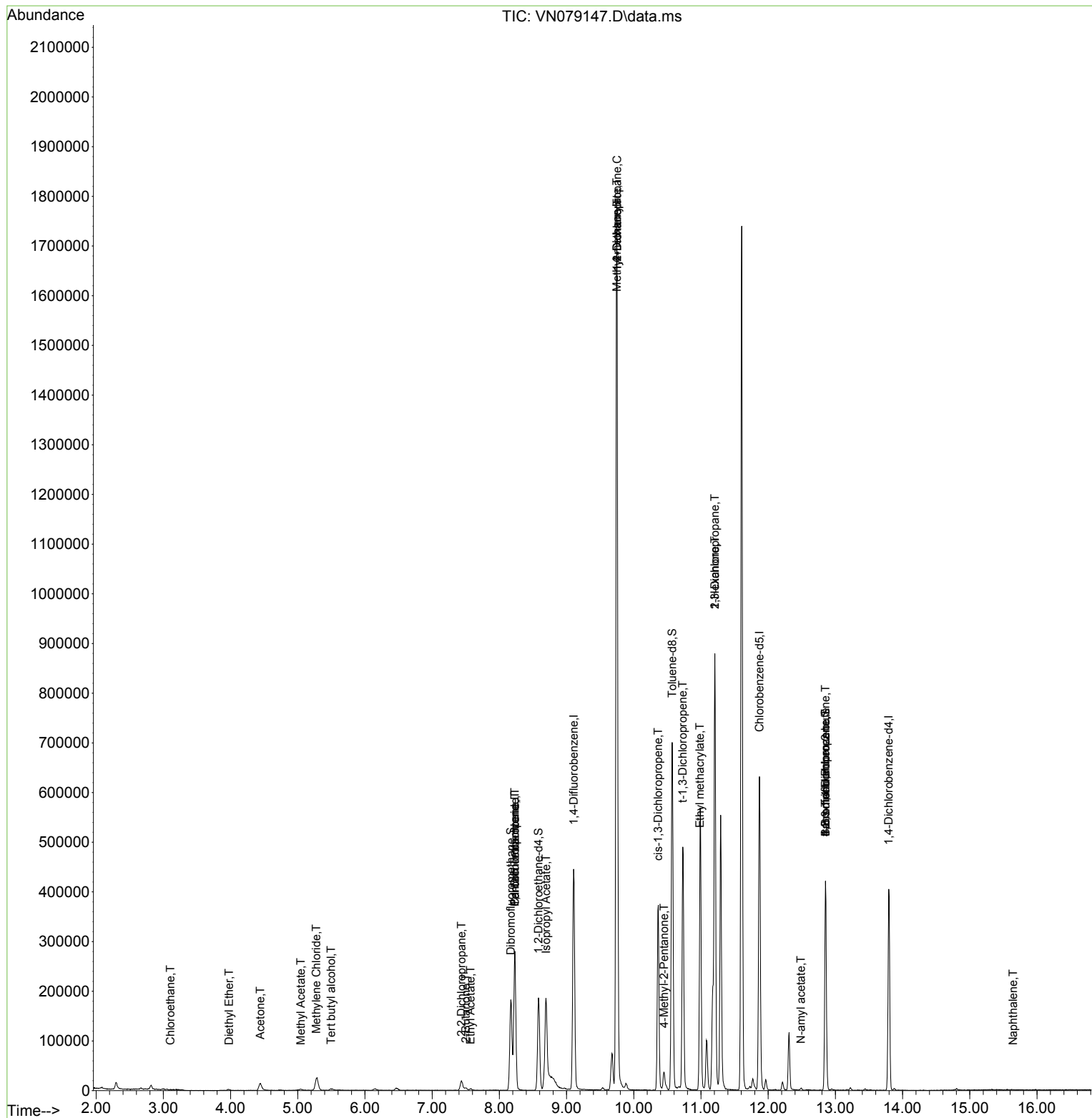
Internal Standards						
1) Pentafluorobenzene	8.230	168	203583	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	390451	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.871	117	378606	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	113371	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.583	65	154018	48.618	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	97.240%		
35) Dibromofluoromethane	8.171	113	133129	50.652	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	101.300%		
50) Toluene-d8	10.571	98	503512	51.594	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	103.180%		
62) 4-Bromofluorobenzene	12.853	95	150048	47.039	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	94.080%		
Target Compounds					Qvalue	
6) Chloroethane	3.106	64	509	0.211	ug/l #	43
8) Diethyl Ether	3.977	74	1321	0.827	ug/l #	49
11) Tert butyl alcohol	5.495	59	1421	2.673	ug/l #	72
16) Acetone	4.442	43	28393	21.722	ug/l	96
18) Methyl Acetate	5.048	43	5057	0.916	ug/l #	69
20) Methylene Chloride	5.277	84	20087	7.211	ug/l	92
25) 2-Butanone	7.500	43	8191	3.909	ug/l	88
26) 2,2-Dichloropropane	7.436	77	1334	0.328	ug/l #	53
31) Cyclohexane	8.230	56	4541	Below Cal	#	35
36) 1,1-Dichloropropene	8.230	75	16607	4.200	ug/l #	48
37) Ethyl Acetate	7.571	43	4920	1.112	ug/l #	73
38) Carbon Tetrachloride	8.230	117	21772	5.496	ug/l #	14
43) Isopropyl Acetate	8.694	43	237163	30.333	ug/l #	76
45) 1,2-Dichloropropane	9.753	63	2090	0.672	ug/l #	45
48) Methyl methacrylate	9.747	41	153354	43.284	ug/l #	26
49) 1,4-Dioxane	9.753	88	134	2.220	ug/l #	1
51) 4-Methyl-2-Pentanone	10.453	43	31651	6.825	ug/l #	81
53) t-1,3-Dichloropropene	10.729	75	1425	0.315	ug/l #	44
54) cis-1,3-Dichloropropene	10.365	75	69769	14.176	ug/l #	65
56) Ethyl methacrylate	10.982	69	2949	0.661	ug/l #	1
57) 1,3-Dichloropropane	11.206	76	8971	1.743	ug/l #	42
59) 2-Hexanone	11.206	43	106885	31.823	ug/l #	48
71) Bromoform	12.853	173	1030	0.465	ug/l #	28
74) N-amyl acetate	12.488	43	2684	0.562	ug/l #	39
76) 1,2,3-Trichloropropane	12.853	75	77723	28.452	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.853	75	77723	72.683	ug/l #	15
95) Naphthalene	15.647	128	200	2.611	ug/l #	70

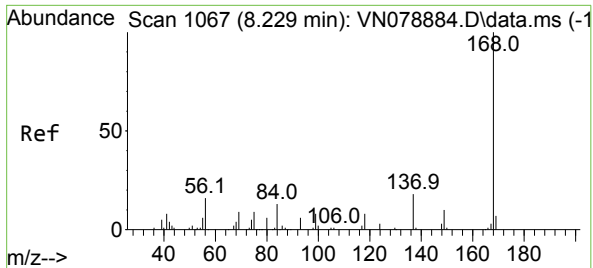
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN090223\
Data File : VN079147.D
Acq On : 02 Sep 2023 16:47
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Sample : PB155301ZHE#09
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 15 Sample Multiplier: 1

Instrument :
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Quant Time: Sep 04 01:06:18 2023
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N081523W.M
Quant Title : SW846 8260
QLast Update : Wed Aug 16 02:42:02 2023
Response via : Initial Calibration

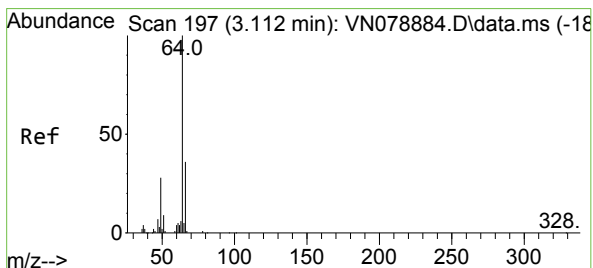
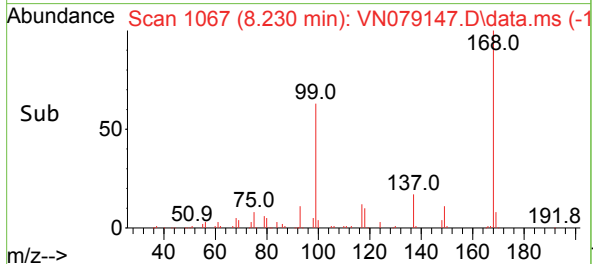
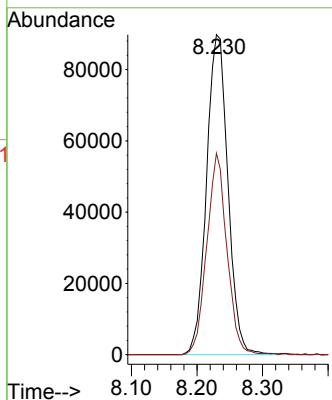
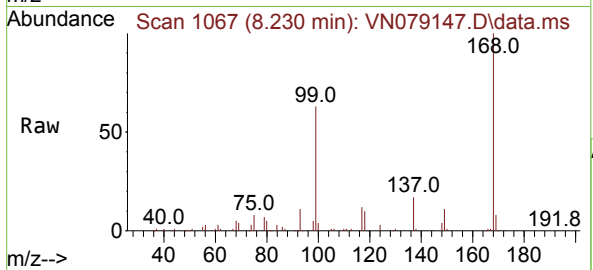




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.230 min Scan# 10
Delta R.T. -0.000 min
Lab File: VN079147.D
Acq: 02 Sep 2023 16:47

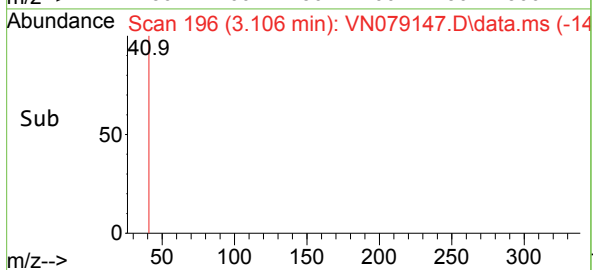
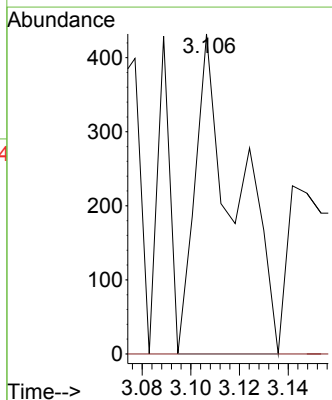
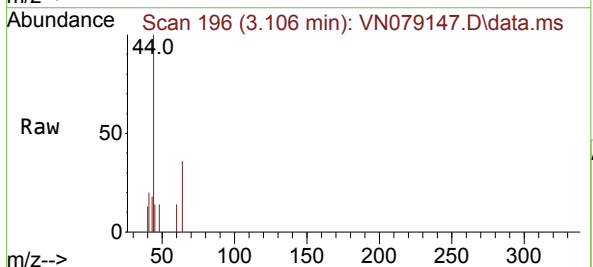
Instrument :
MSVOA_N
ClientSampleId :
PB155301ZHE#09

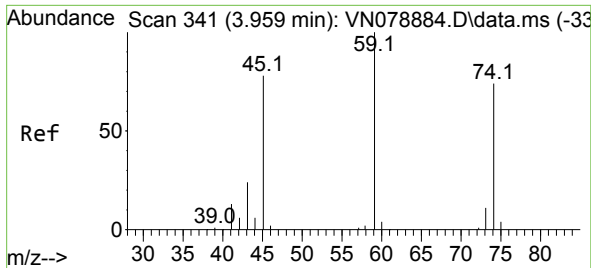
Tgt Ion:168 Resp: 203583
Ion Ratio Lower Upper
168 100
99 62.9 53.0 79.6



#6
Chloroethane
Concen: 0.211 ug/l
RT: 3.106 min Scan# 196
Delta R.T. -0.012 min
Lab File: VN079147.D
Acq: 02 Sep 2023 16:47

Tgt Ion: 64 Resp: 509
Ion Ratio Lower Upper
64 100
66 0.0 25.4 38.2#





#8

Diethyl Ether

Concen: 0.827 ug/l

RT: 3.977 min Scan# 341

Delta R.T. 0.006 min

Lab File: VN079147.D

Acq: 02 Sep 2023 16:47

Instrument :

MSVOA_N

ClientSampleId :

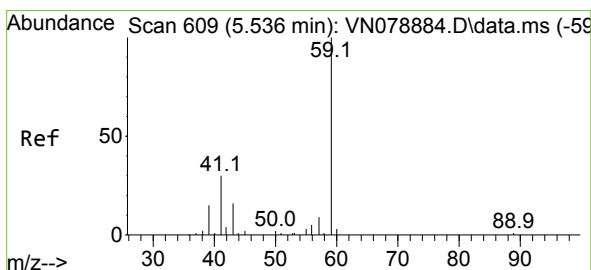
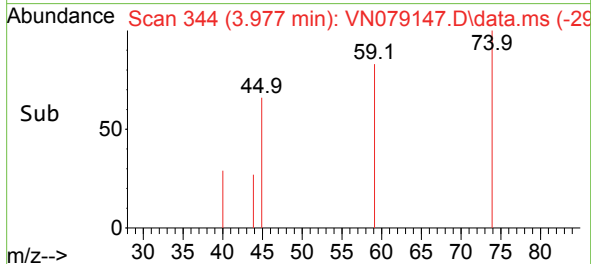
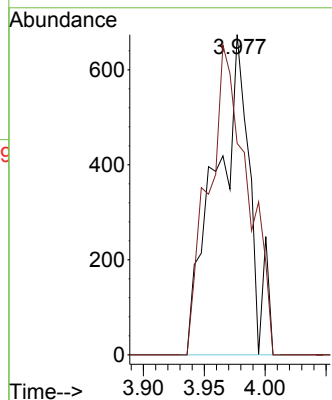
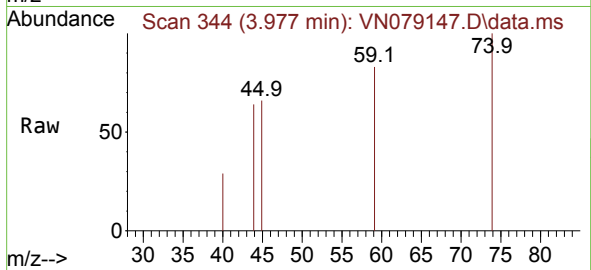
PB155301ZHE#09

Tgt Ion: 74 Resp: 1321

Ion Ratio Lower Upper

74 100

45 110.3 34.4 103.3#



#11

Tert butyl alcohol

Concen: 2.673 ug/l

RT: 5.495 min Scan# 602

Delta R.T. -0.047 min

Lab File: VN079147.D

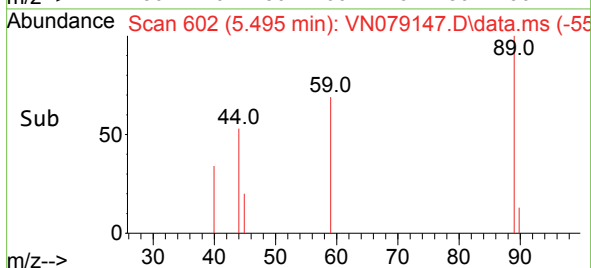
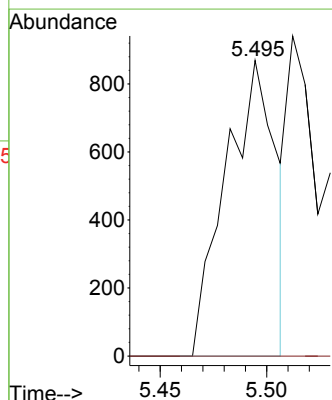
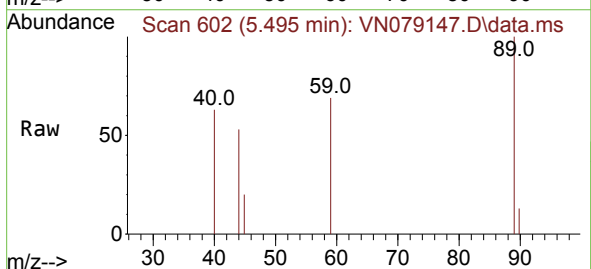
Acq: 02 Sep 2023 16:47

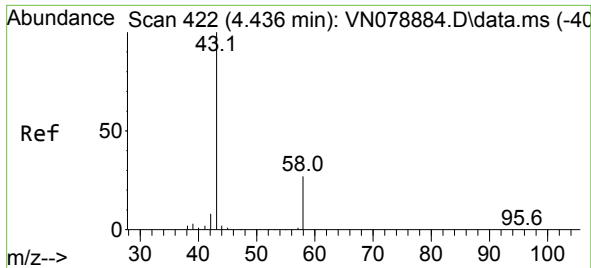
Tgt Ion: 59 Resp: 1421

Ion Ratio Lower Upper

59 100

57 0.0 8.2 12.4#





#16

Acetone

Concen: 21.722 ug/l

RT: 4.442 min Scan# 41

Delta R.T. -0.000 min

Lab File: VN079147.D

Acq: 02 Sep 2023 16:47

Instrument :

MSVOA_N

ClientSampleId :

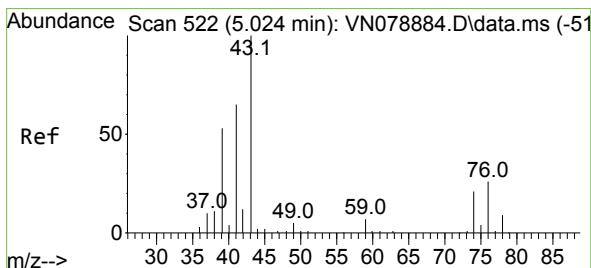
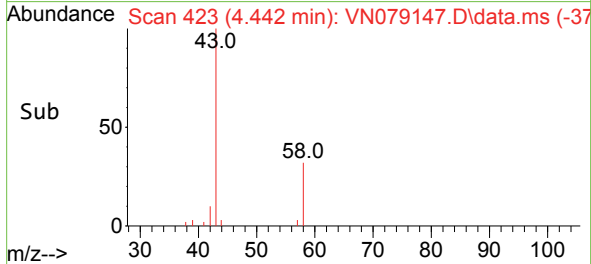
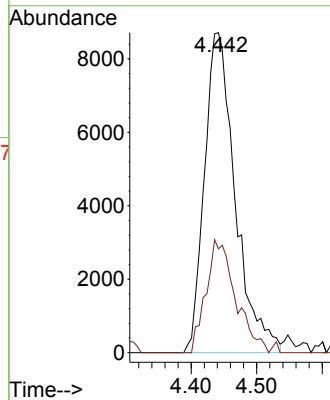
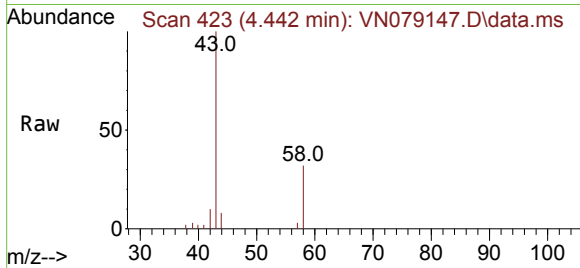
PB155301ZHE#09

Tgt Ion: 43 Resp: 28393

Ion Ratio Lower Upper

43 100

58 32.4 28.0 42.0



#18

Methyl Acetate

Concen: 0.916 ug/l

RT: 5.048 min Scan# 526

Delta R.T. 0.006 min

Lab File: VN079147.D

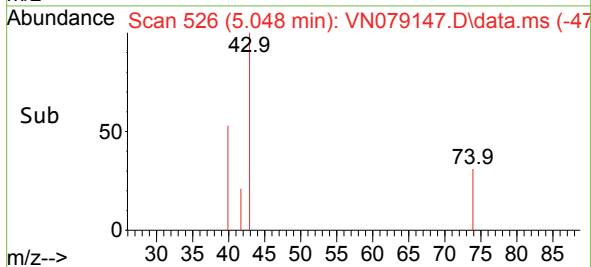
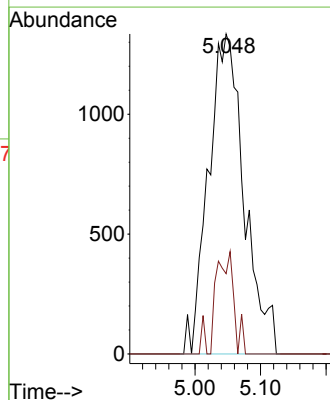
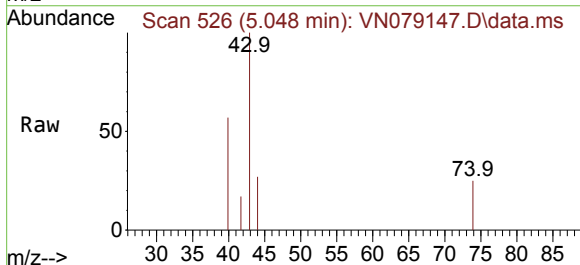
Acq: 02 Sep 2023 16:47

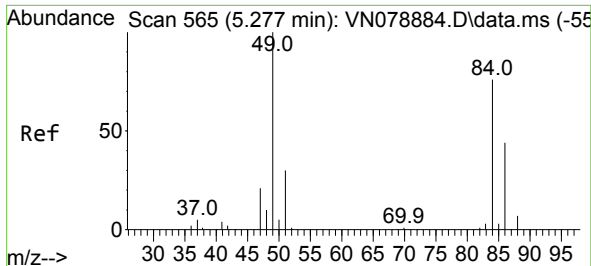
Tgt Ion: 43 Resp: 5057

Ion Ratio Lower Upper

43 100

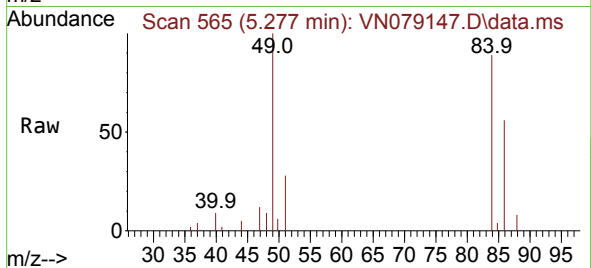
74 15.3 26.2 39.4#



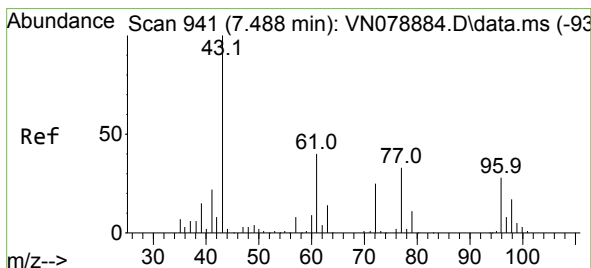
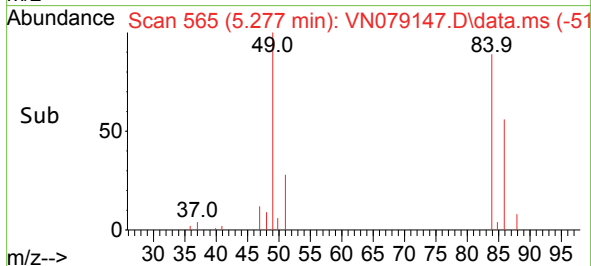
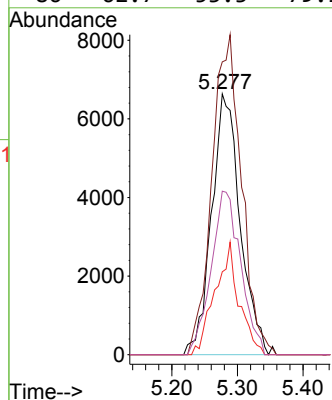


#20
Methylene Chloride
Concen: 7.211 ug/l
RT: 5.277 min Scan# 509
Delta R.T. -0.006 min
Lab File: VN079147.D
Acq: 02 Sep 2023 16:47

Instrument :
MSVOA_N
ClientSampleId :
PB155301ZHE#09

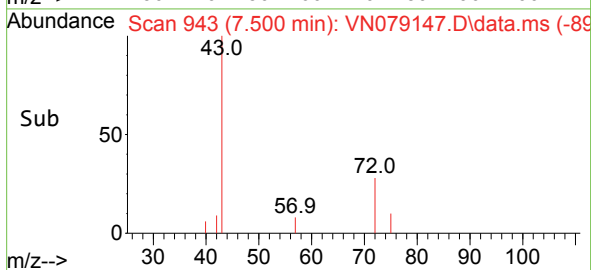
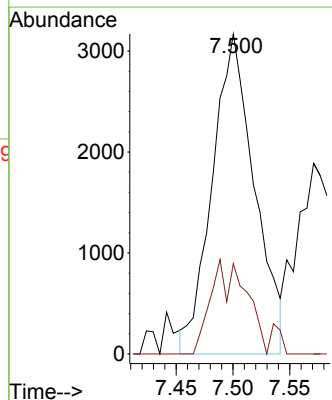
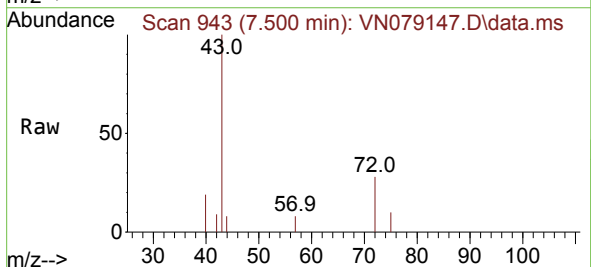


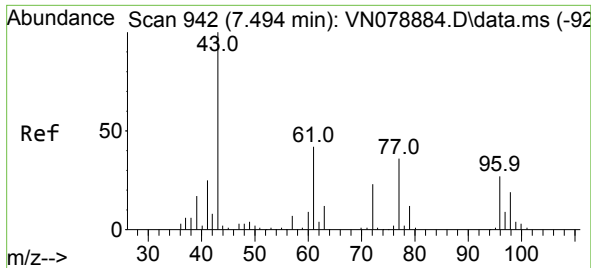
Tgt Ion:	84	Resp:	20087
Ion	Ratio	Lower	Upper
84	100		
49	112.2	79.7	119.5
51	31.8	25.2	37.8
86	62.7	53.3	79.9



#25
2-Butanone
Concen: 3.909 ug/l
RT: 7.500 min Scan# 943
Delta R.T. 0.006 min
Lab File: VN079147.D
Acq: 02 Sep 2023 16:47

Tgt Ion:	43	Resp:	8191
Ion	Ratio	Lower	Upper
43	100		
72	30.4	30.2	45.2

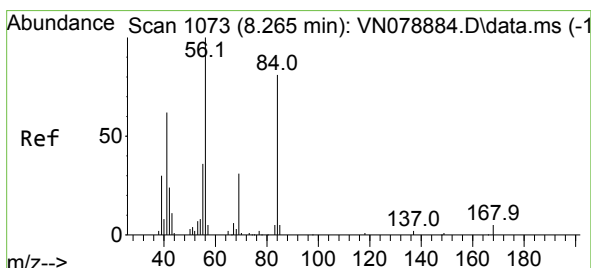
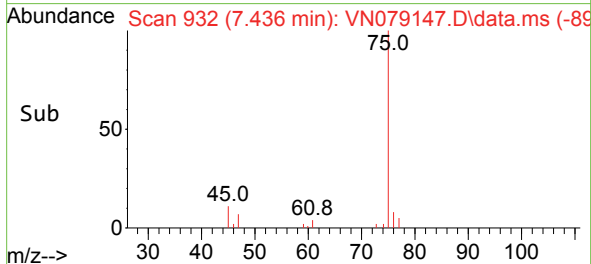
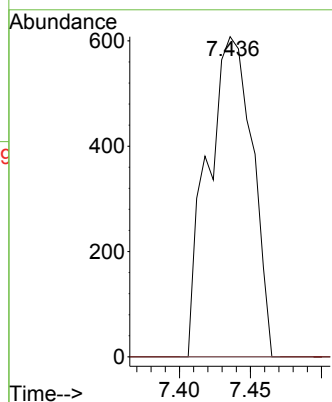
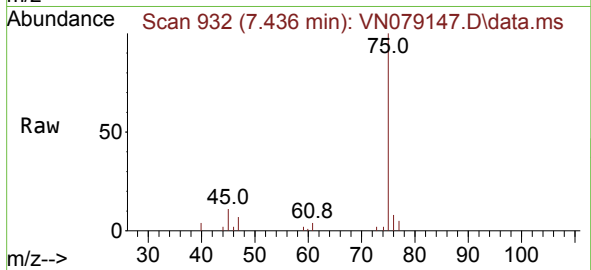




#26
2,2-Dichloropropane
Concen: 0.328 ug/l
RT: 7.436 min Scan# 91
Delta R.T. -0.064 min
Lab File: VN079147.D
Acq: 02 Sep 2023 16:47

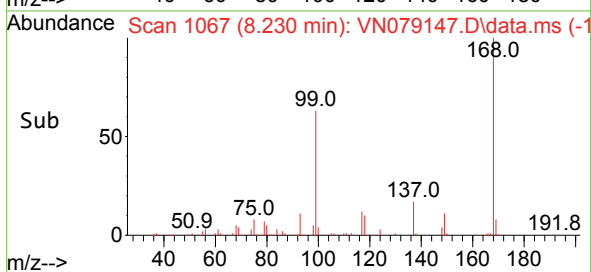
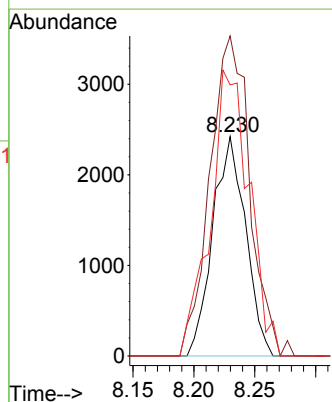
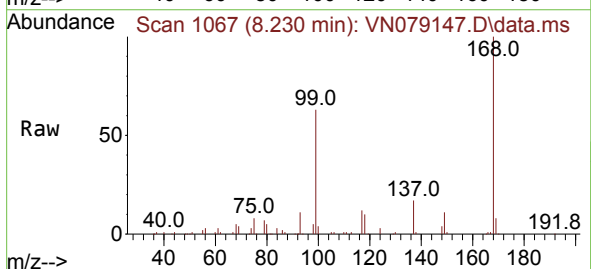
Instrument :
MSVOA_N
ClientSampleId :
PB155301ZHE#09

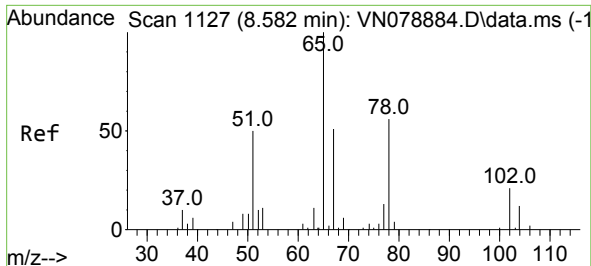
Tgt Ion: 77 Resp: 1334
Ion Ratio Lower Upper
77 100
97 0.0 11.2 33.6#



#31
Cyclohexane
Concen: Below Cal
RT: 8.230 min Scan# 1067
Delta R.T. -0.035 min
Lab File: VN079147.D
Acq: 02 Sep 2023 16:47

Tgt Ion: 56 Resp: 4541
Ion Ratio Lower Upper
56 100
69 145.9 26.8 40.2#
84 123.6 81.8 122.6#





#33

1,2-Dichloroethane-d4

Concen: 48.618 ug/l

RT: 8.583 min Scan# 1127

Delta R.T. -0.000 min

Lab File: VN079147.D

Acq: 02 Sep 2023 16:47

Instrument :

MSVOA_N

ClientSampleId :

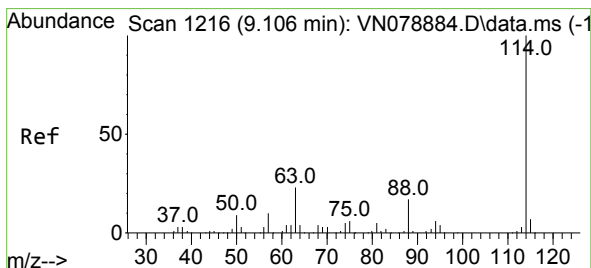
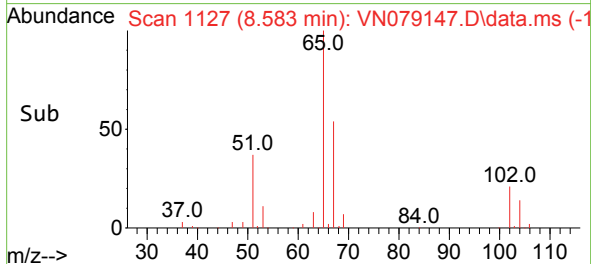
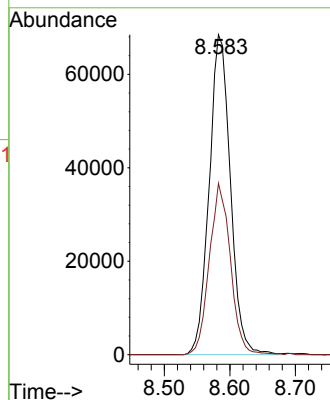
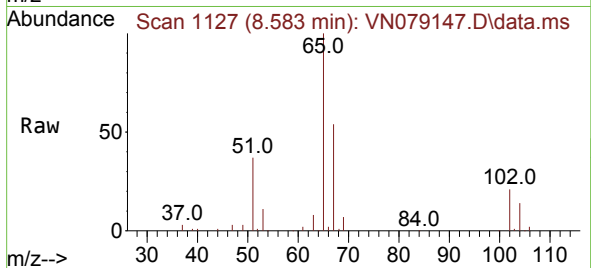
PB155301ZHE#09

Tgt Ion: 65 Resp: 154018

Ion Ratio Lower Upper

65 100

67 53.2 0.0 106.6



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.106 min Scan# 1216

Delta R.T. -0.006 min

Lab File: VN079147.D

Acq: 02 Sep 2023 16:47

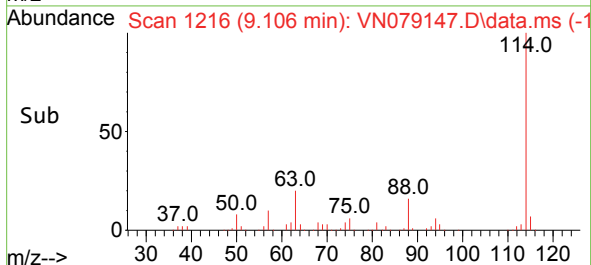
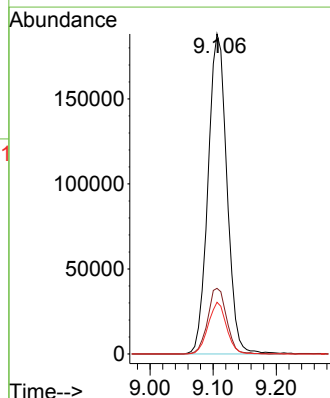
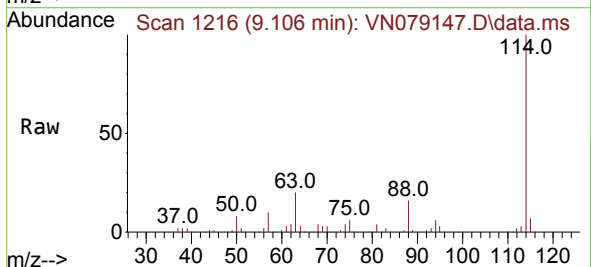
Tgt Ion: 114 Resp: 390451

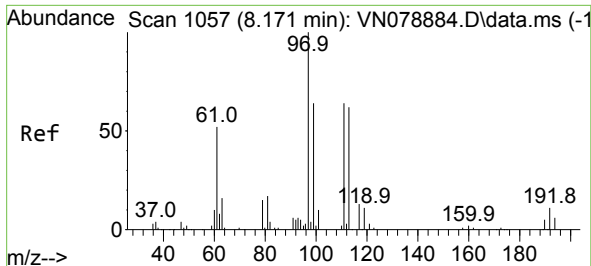
Ion Ratio Lower Upper

114 100

63 20.5 0.0 36.4

88 16.1 0.0 30.6

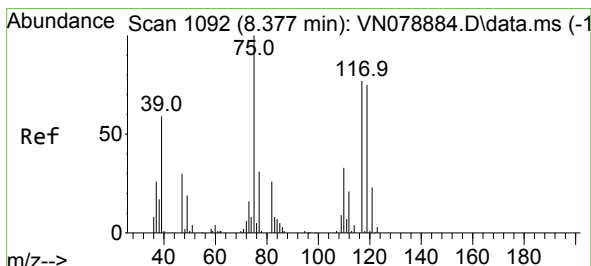
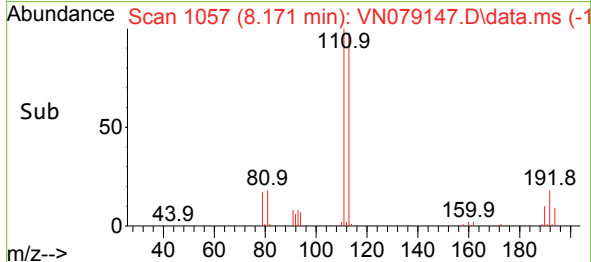
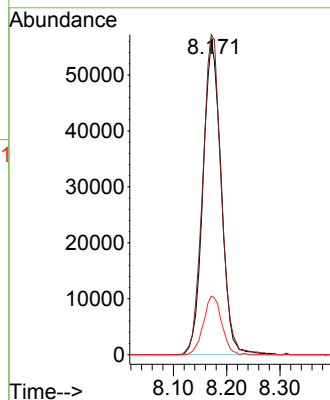
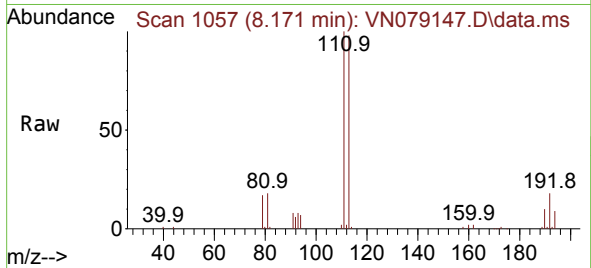




#35
Dibromofluoromethane
Concen: 50.652 ug/l
RT: 8.171 min Scan# 1057
Delta R.T. -0.000 min
Lab File: VN079147.D
Acq: 02 Sep 2023 16:47

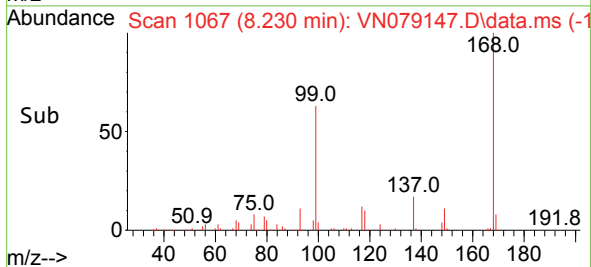
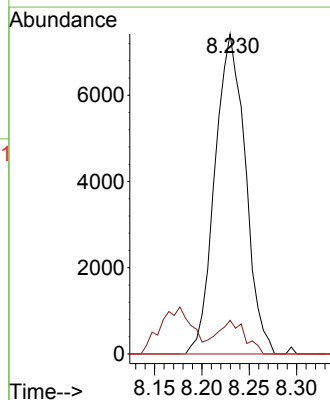
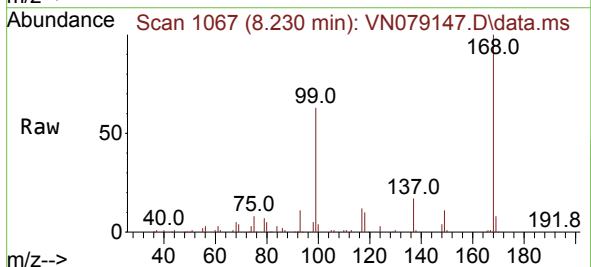
Instrument :
MSVOA_N
ClientSampleId :
PB155301ZHE#09

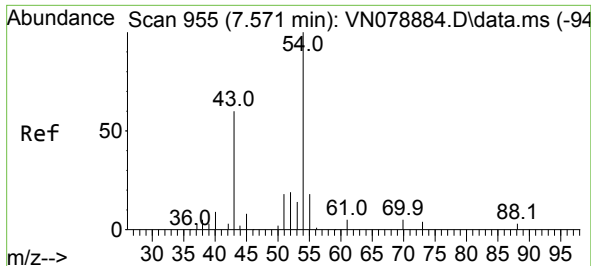
Tgt Ion:113 Resp: 133129
Ion Ratio Lower Upper
113 100
111 104.0 82.6 123.8
192 18.7 12.7 19.1



#36
1,1-Dichloropropene
Concen: 4.200 ug/l
RT: 8.230 min Scan# 1067
Delta R.T. -0.147 min
Lab File: VN079147.D
Acq: 02 Sep 2023 16:47

Tgt Ion: 75 Resp: 16607
Ion Ratio Lower Upper
75 100
110 9.3 19.1 57.3#
77 0.0 25.0 37.4#

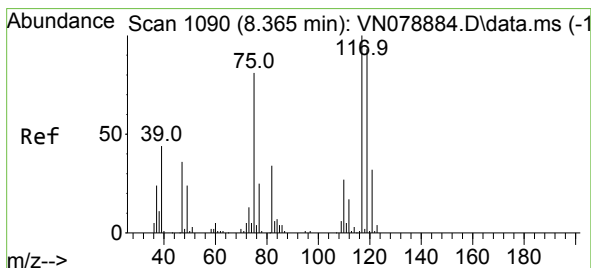
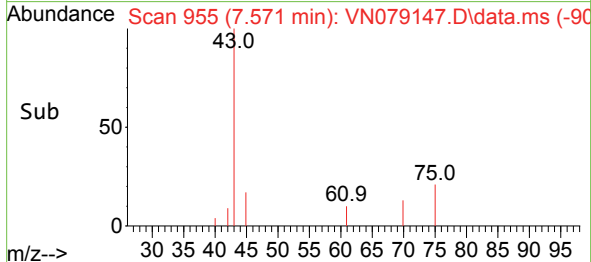
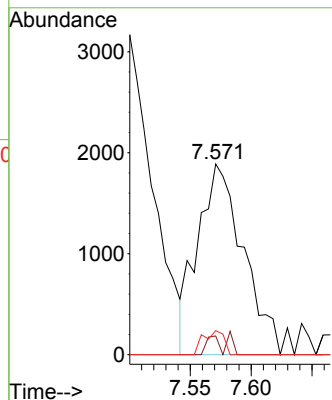
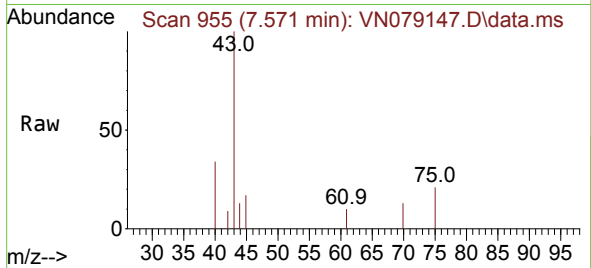




#37
Ethyl Acetate
Concen: 1.112 ug/l
RT: 7.571 min Scan# 91
Delta R.T. -0.000 min
Lab File: VN079147.D
Acq: 02 Sep 2023 16:47

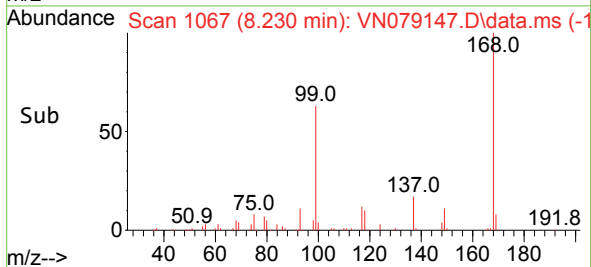
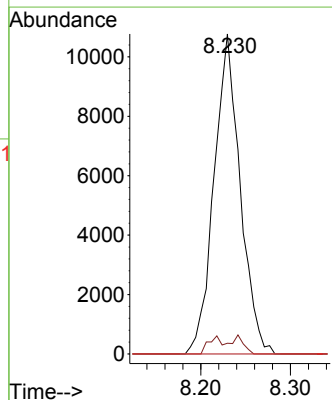
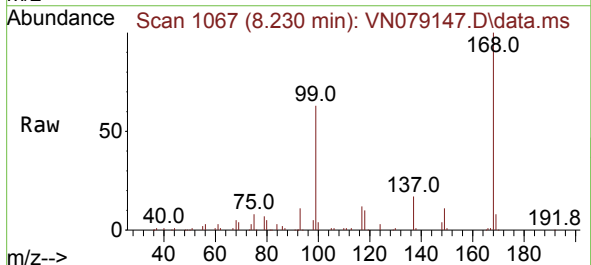
Instrument :
MSVOA_N
ClientSampleId :
PB155301ZHE#09

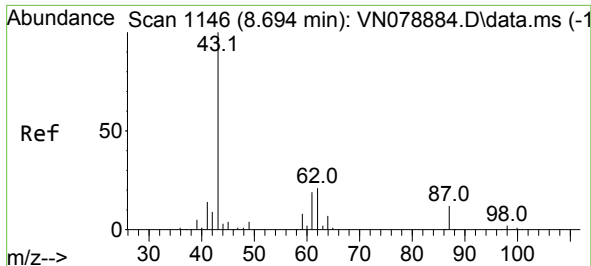
Tgt Ion: 43 Resp: 4920
Ion Ratio Lower Upper
43 100
61 2.6 13.2 19.8#
70 5.7 11.3 16.9#



#38
Carbon Tetrachloride
Concen: 5.496 ug/l
RT: 8.230 min Scan# 1067
Delta R.T. -0.141 min
Lab File: VN079147.D
Acq: 02 Sep 2023 16:47

Tgt Ion: 117 Resp: 21772
Ion Ratio Lower Upper
117 100
119 3.4 77.3 115.9#
121 0.0 23.3 34.9#

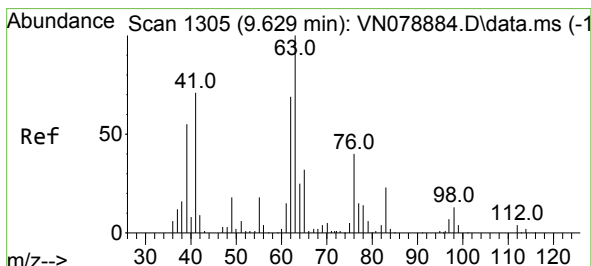
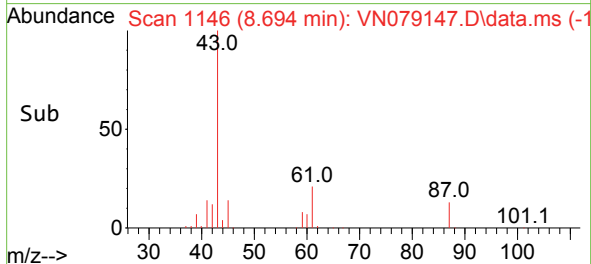
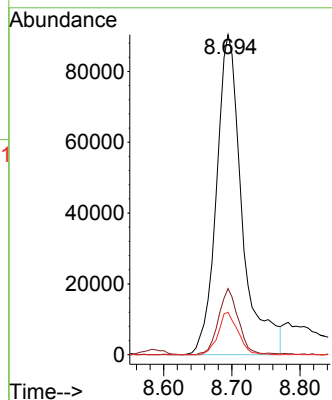
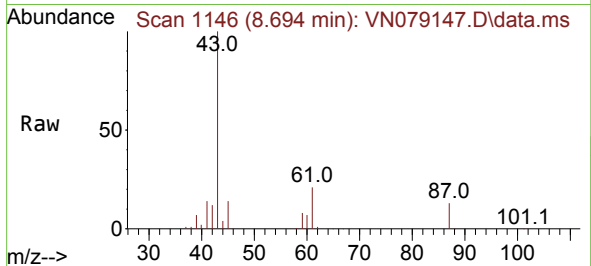




#43
Isopropyl Acetate
Concen: 30.333 ug/l
RT: 8.694 min Scan# 1146
Delta R.T. 0.000 min
Lab File: VN079147.D
Acq: 02 Sep 2023 16:47

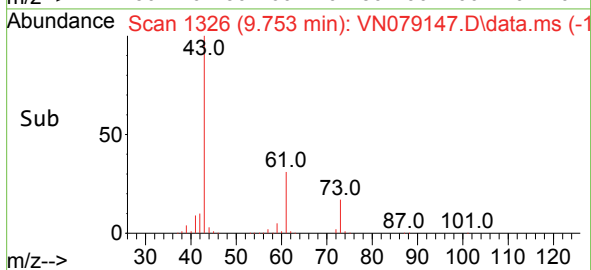
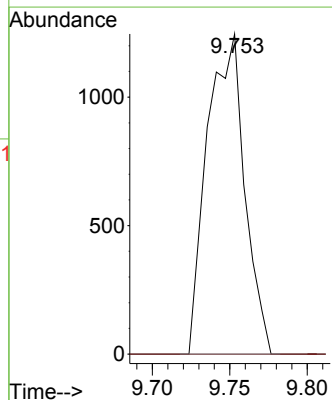
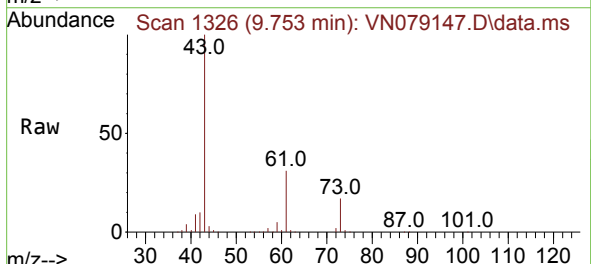
Instrument :
MSVOA_N
ClientSampleId :
PB155301ZHE#09

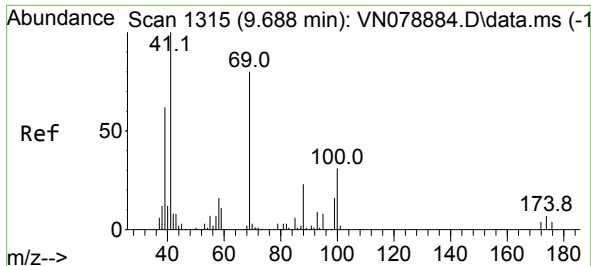
Tgt Ion: 43 Resp: 237163
Ion Ratio Lower Upper
43 100
61 15.9 24.7 37.1#
87 10.2 14.6 21.8#



#45
1,2-Dichloropropane
Concen: 0.672 ug/l
RT: 9.753 min Scan# 1326
Delta R.T. 0.129 min
Lab File: VN079147.D
Acq: 02 Sep 2023 16:47

Tgt Ion: 63 Resp: 2090
Ion Ratio Lower Upper
63 100
65 0.0 23.9 35.9#





#48

Methyl methacrylate

Concen: 43.284 ug/l

RT: 9.747 min Scan# 1

Delta R.T. 0.059 min

Lab File: VN079147.D

Acq: 02 Sep 2023 16:47

Instrument :

MSVOA_N

ClientSampleId :

PB155301ZHE#09

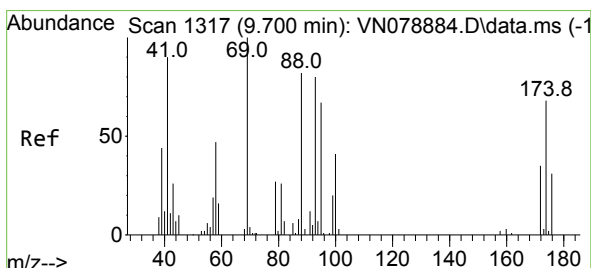
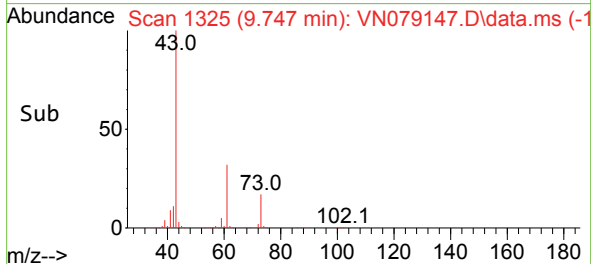
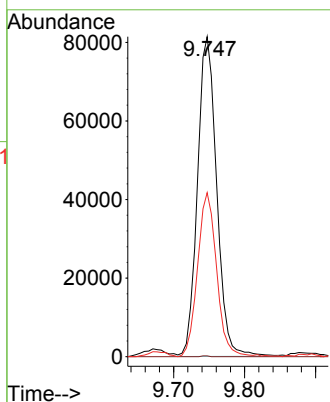
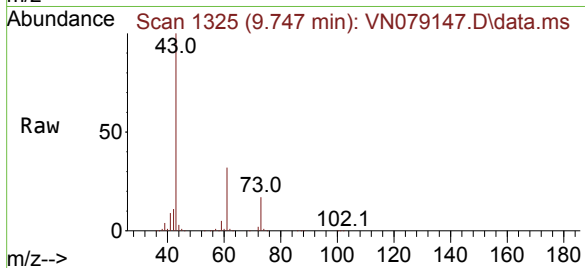
Tgt Ion: 41 Resp: 153354

Ion Ratio Lower Upper

41 100

69 0.1 90.4 135.6#

39 51.1 54.6 81.8#



#49

1,4-Dioxane

Concen: 2.220 ug/l

RT: 9.753 min Scan# 1326

Delta R.T. 0.053 min

Lab File: VN079147.D

Acq: 02 Sep 2023 16:47

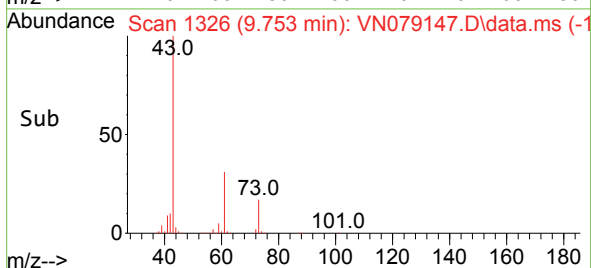
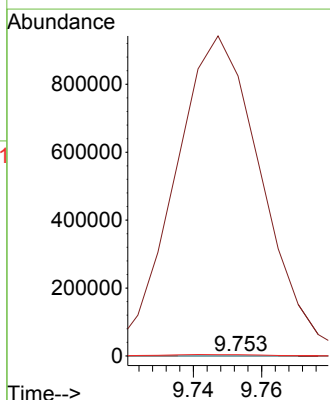
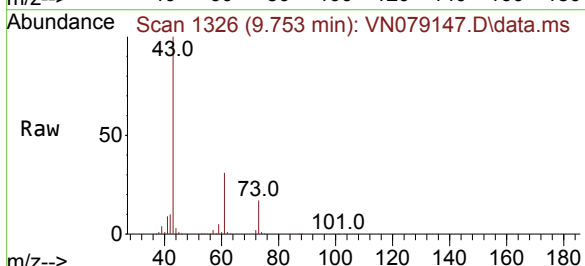
Tgt Ion: 88 Resp: 134

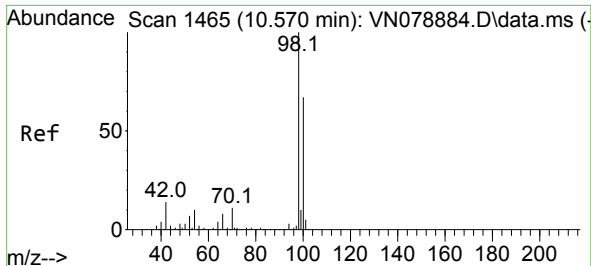
Ion Ratio Lower Upper

88 100

43 1277181.3 17.0 25.6#

58 6809.7 47.0 70.4#

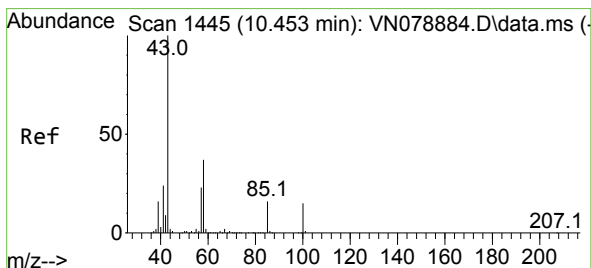
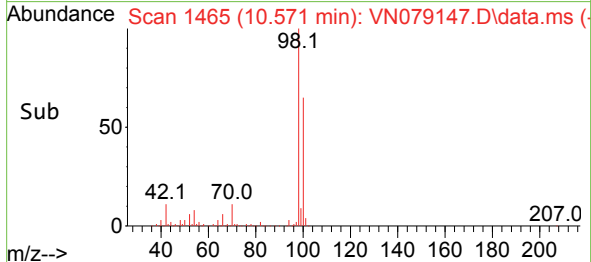
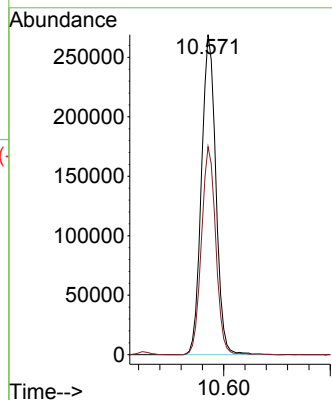
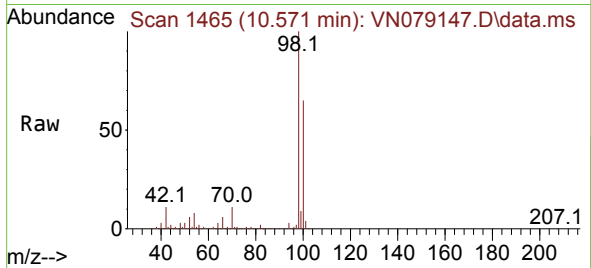




#50
Toluene-d8
Concen: 51.594 ug/l
RT: 10.571 min Scan# 1465
Delta R.T. -0.000 min
Lab File: VN079147.D
Acq: 02 Sep 2023 16:47

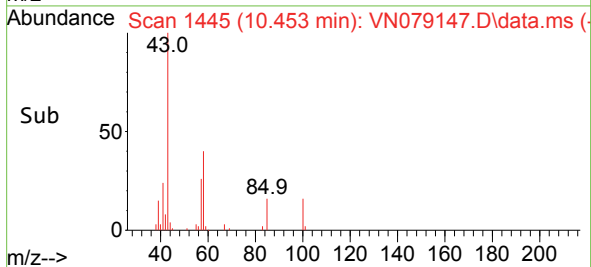
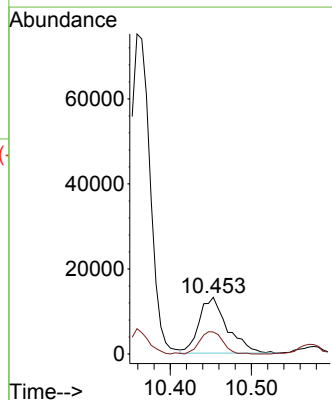
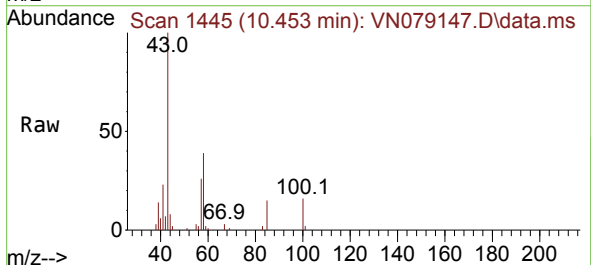
Instrument :
MSVOA_N
ClientSampleId :
PB155301ZHE#09

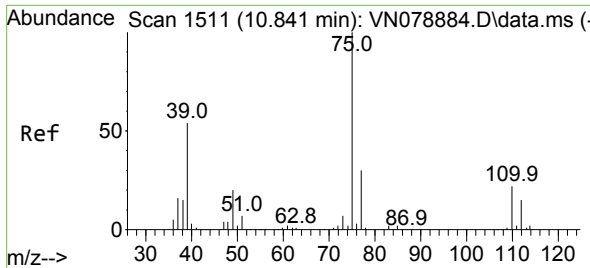
Tgt Ion: 98 Resp: 503512
Ion Ratio Lower Upper
98 100
100 64.7 52.0 78.0



#51
4-Methyl-2-Pentanone
Concen: 6.825 ug/l
RT: 10.453 min Scan# 1445
Delta R.T. 0.000 min
Lab File: VN079147.D
Acq: 02 Sep 2023 16:47

Tgt Ion: 43 Resp: 31651
Ion Ratio Lower Upper
43 100
58 33.4 36.6 54.8#

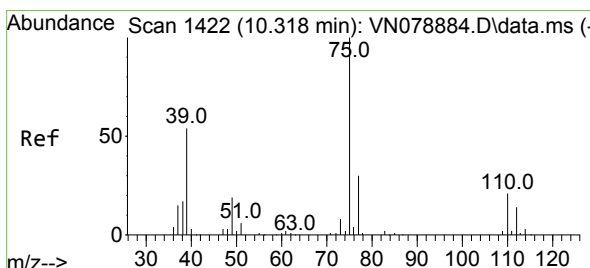
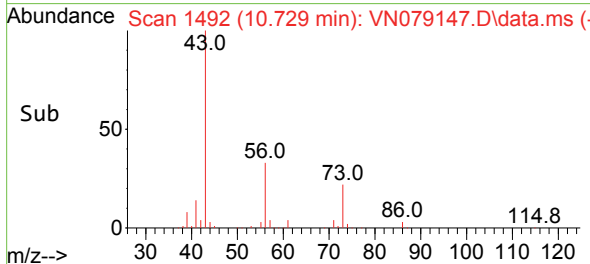
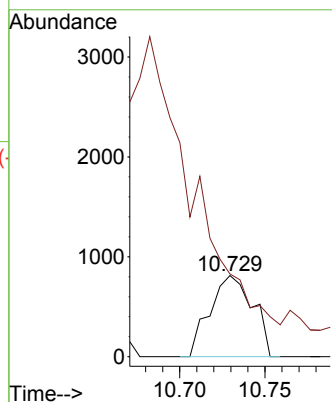
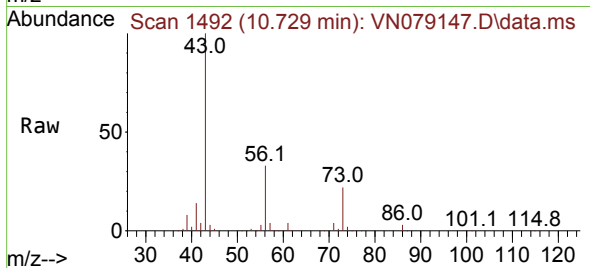




#53
 t-1,3-Dichloropropene
 Concen: 0.315 ug/l
 RT: 10.729 min Scan# 14
 Delta R.T. -0.112 min
 Lab File: VN079147.D
 Acq: 02 Sep 2023 16:47

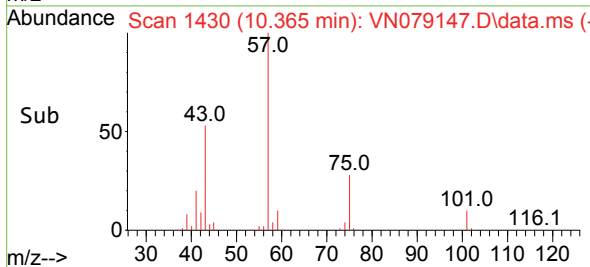
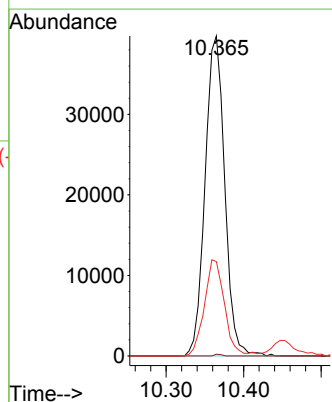
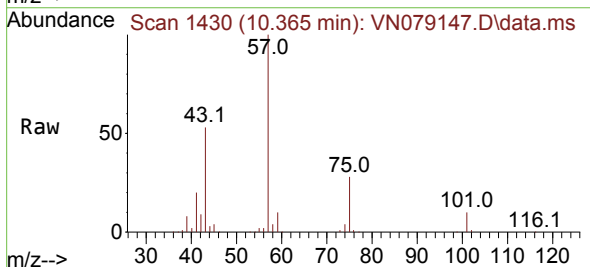
Instrument :
 MSVOA_N
 ClientSampleId :
 PB155301ZHE#09

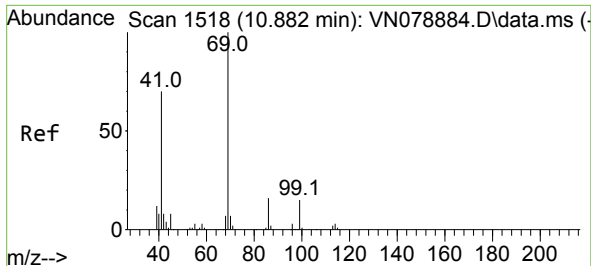
Tgt Ion: 75 Resp: 1425
 Ion Ratio Lower Upper
 75 100
 77 62.8 25.4 38.0#



#54
 cis-1,3-Dichloropropene
 Concen: 14.176 ug/l
 RT: 10.365 min Scan# 1430
 Delta R.T. 0.047 min
 Lab File: VN079147.D
 Acq: 02 Sep 2023 16:47

Tgt Ion: 75 Resp: 69769
 Ion Ratio Lower Upper
 75 100
 77 0.6 26.1 39.1#
 39 29.5 31.6 47.4#

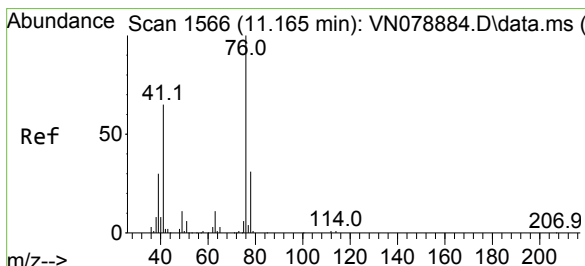
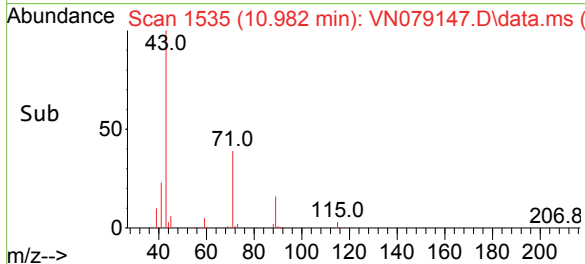
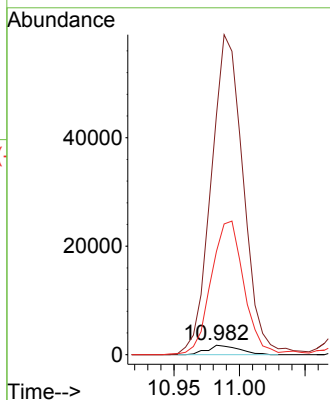
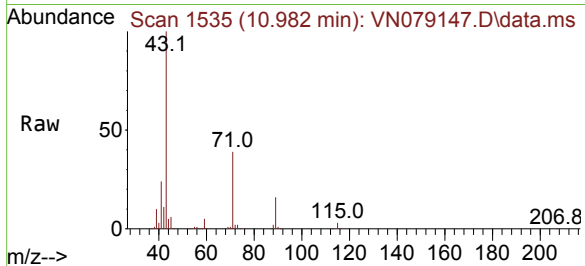




#56
Ethyl methacrylate
Concen: 0.661 ug/l
RT: 10.982 min Scan# 1535
Delta R.T. 0.105 min
Lab File: VN079147.D
Acq: 02 Sep 2023 16:47

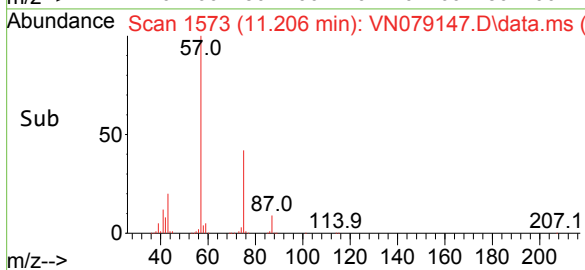
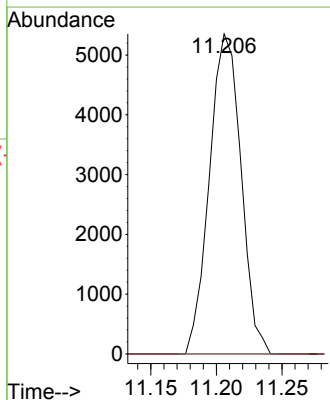
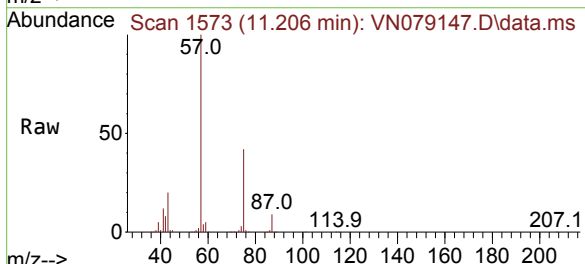
Instrument :
MSVOA_N
ClientSampleId :
PB155301ZHE#09

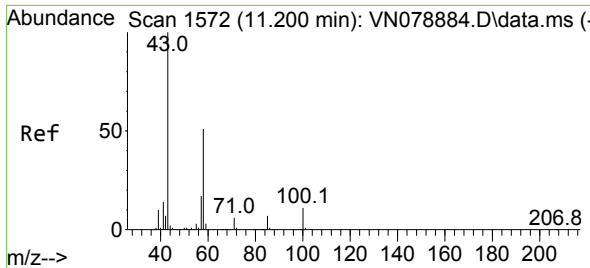
Tgt Ion: 69 Resp: 2949
Ion Ratio Lower Upper
69 100
41 3421.5 39.6 59.4#
39 1469.7 28.6 43.0#



#57
1,3-Dichloropropane
Concen: 1.743 ug/l
RT: 11.206 min Scan# 1573
Delta R.T. 0.041 min
Lab File: VN079147.D
Acq: 02 Sep 2023 16:47

Tgt Ion: 76 Resp: 8971
Ion Ratio Lower Upper
76 100
78 0.0 26.1 39.1#

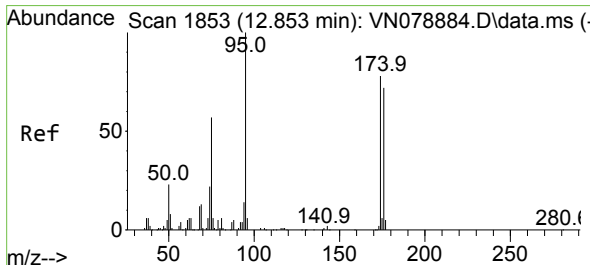
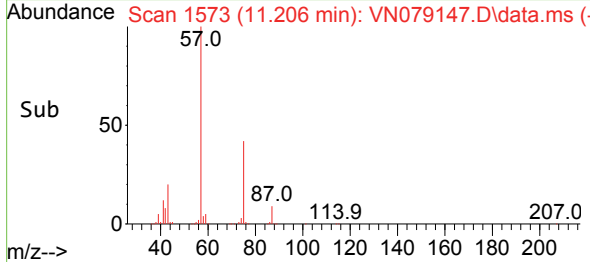
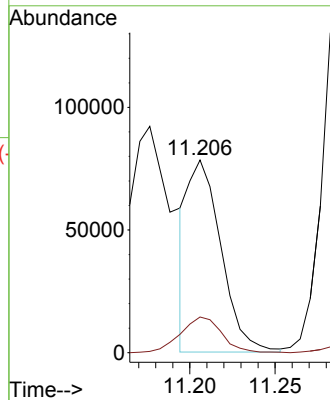
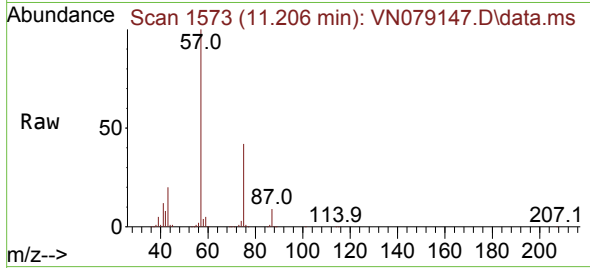




#59
2-Hexanone
Concen: 31.823 ug/l
RT: 11.206 min Scan# 11
Delta R.T. 0.006 min
Lab File: VN079147.D
Acq: 02 Sep 2023 16:47

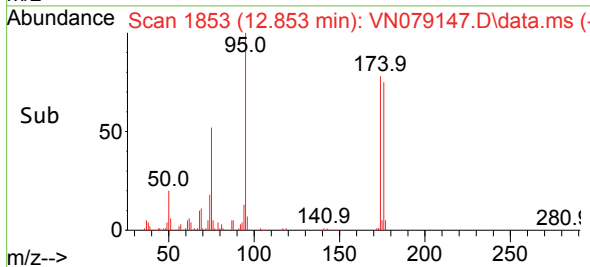
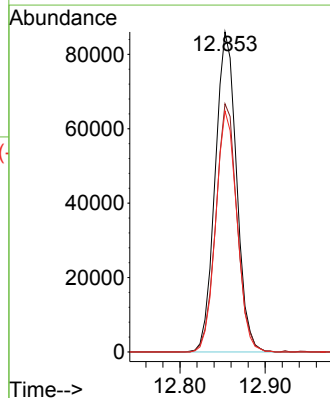
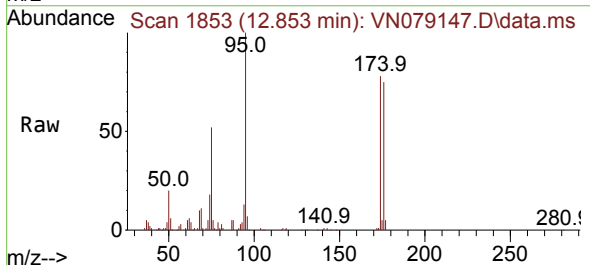
Instrument :
MSVOA_N
ClientSampleId :
PB155301ZHE#09

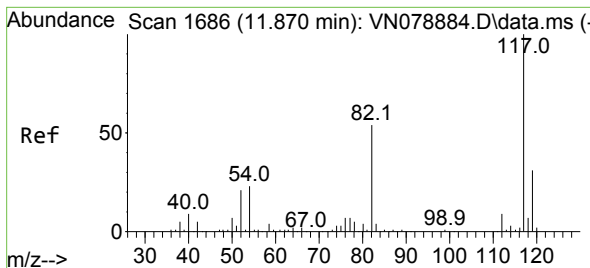
Tgt Ion: 43 Resp: 106885
Ion Ratio Lower Upper
43 100
58 23.0 31.7 95.1#



#62
4-Bromofluorobenzene
Concen: 47.039 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. -0.000 min
Lab File: VN079147.D
Acq: 02 Sep 2023 16:47

Tgt Ion: 95 Resp: 150048
Ion Ratio Lower Upper
95 100
174 77.2 0.0 143.8
176 74.7 0.0 135.8

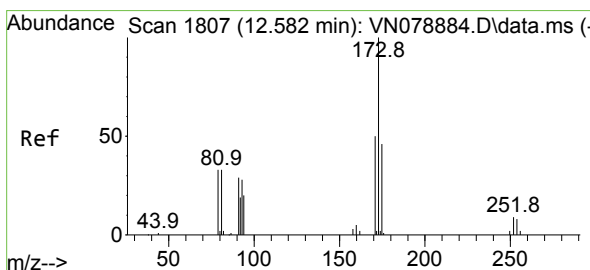
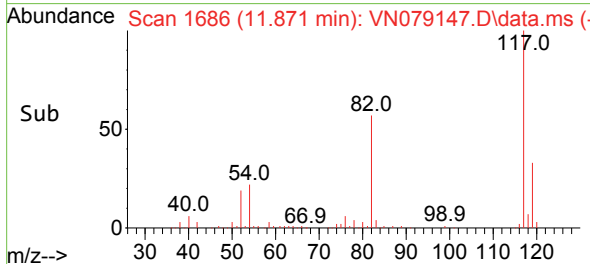
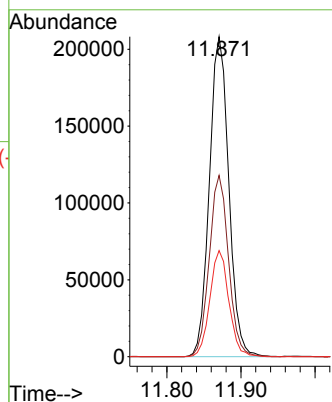
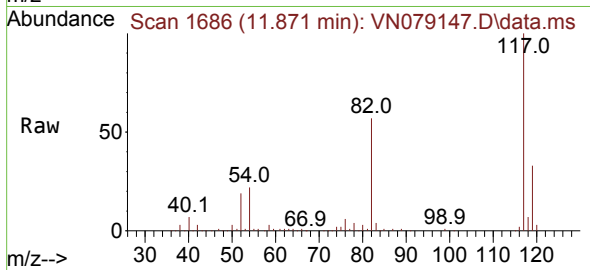




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.871 min Scan# 117
Delta R.T. -0.000 min
Lab File: VN079147.D
Acq: 02 Sep 2023 16:47

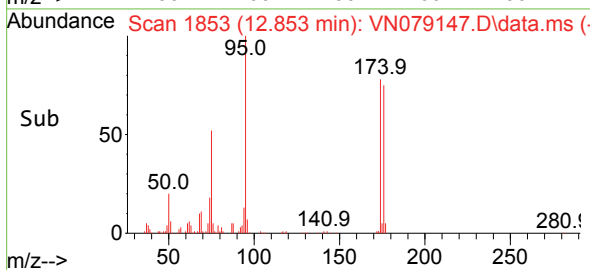
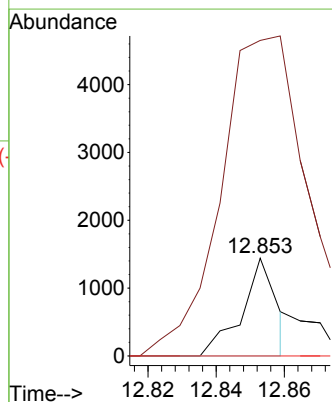
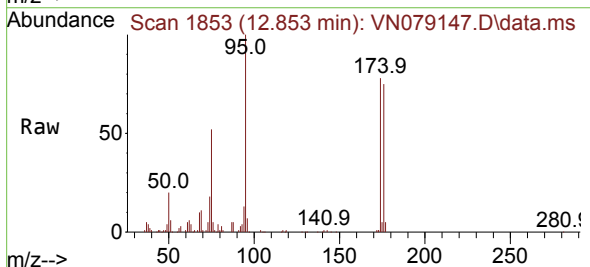
Instrument :
MSVOA_N
ClientSampleId :
PB155301ZHE#09

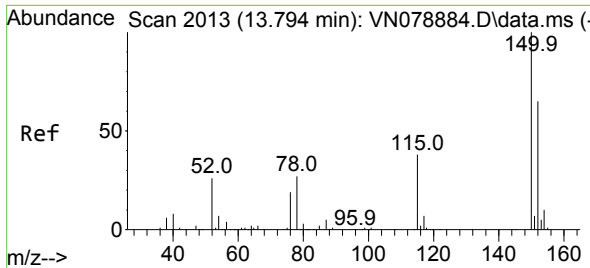
Tgt Ion:117 Resp: 378606
Ion Ratio Lower Upper
117 100
82 56.6 44.0 66.0
119 33.2 25.6 38.4



#71
Bromoform
Concen: 0.465 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. 0.271 min
Lab File: VN079147.D
Acq: 02 Sep 2023 16:47

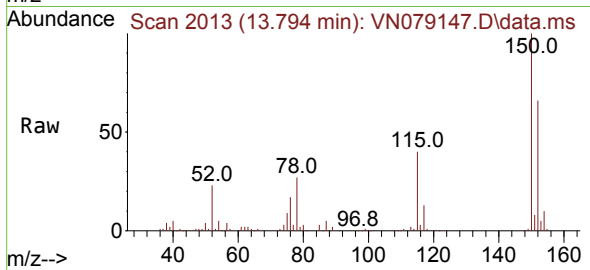
Tgt Ion:173 Resp: 1030
Ion Ratio Lower Upper
173 100
175 0.0 24.3 73.0#
254 0.0 0.0 0.0



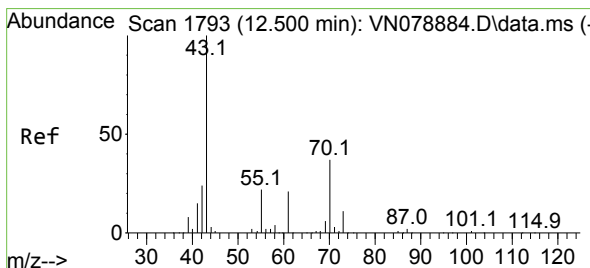
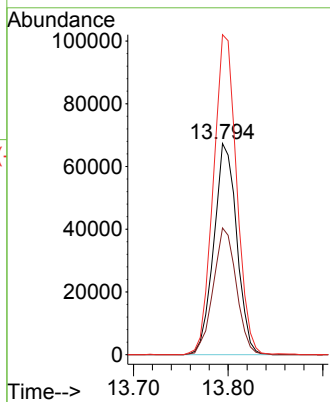
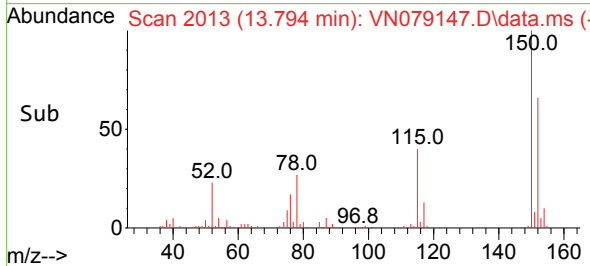


#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.794 min Scan# 20
 Delta R.T. 0.000 min
 Lab File: VN079147.D
 Acq: 02 Sep 2023 16:47

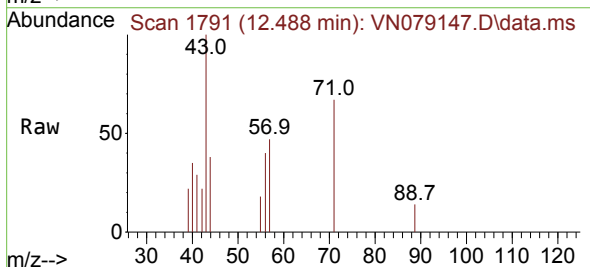
Instrument :
 MSVOA_N
 ClientSampleId :
 PB155301ZHE#09



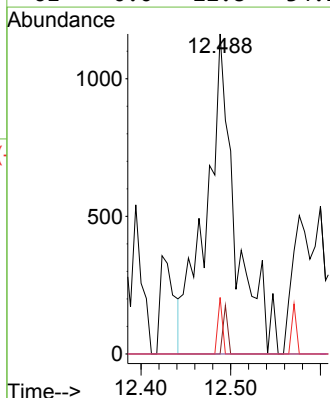
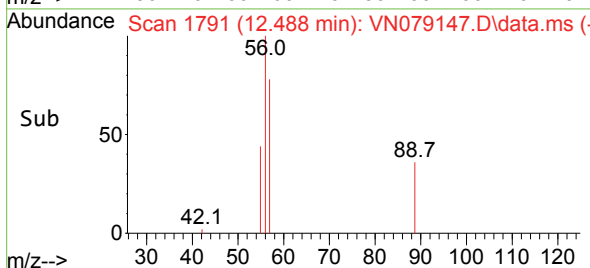
Tgt Ion:152 Resp: 113371
 Ion Ratio Lower Upper
 152 100
 115 60.4 32.3 96.8
 150 153.5 0.0 355.8

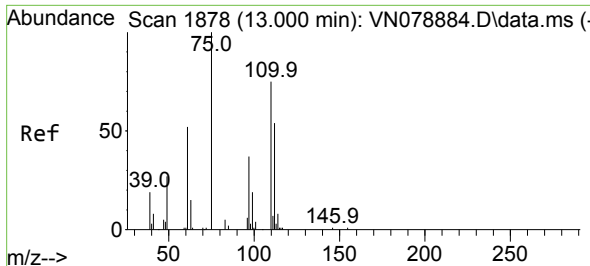


#74
 N-ethyl acetate
 Concen: 0.562 ug/l
 RT: 12.488 min Scan# 1791
 Delta R.T. -0.012 min
 Lab File: VN079147.D
 Acq: 02 Sep 2023 16:47



Tgt Ion: 43 Resp: 2684
 Ion Ratio Lower Upper
 43 100
 70 2.3 43.4 65.2#
 55 2.7 21.4 32.0#
 61 0.0 22.8 34.2#

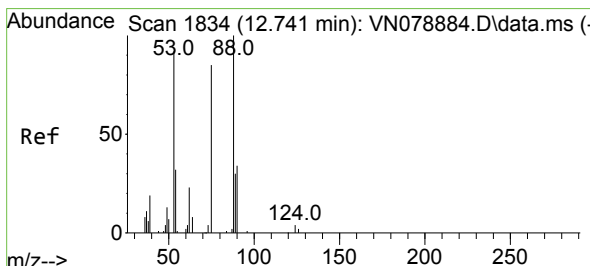
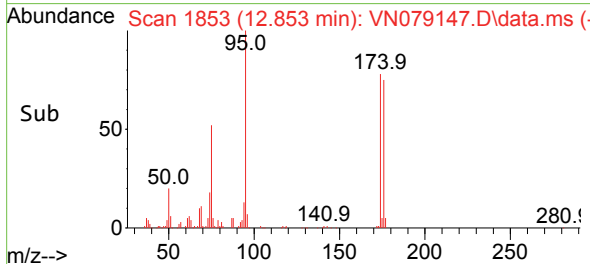
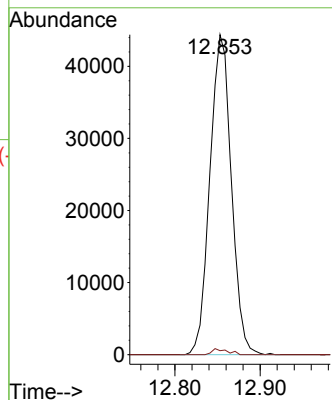
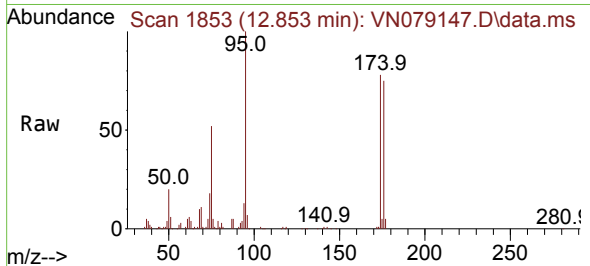




#76
1,2,3-Trichloropropane
Concen: 28.452 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. -0.147 min
Lab File: VN079147.D
Acq: 02 Sep 2023 16:47

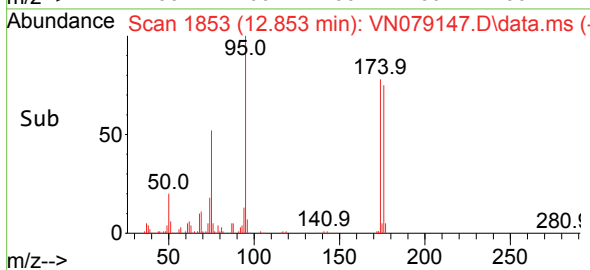
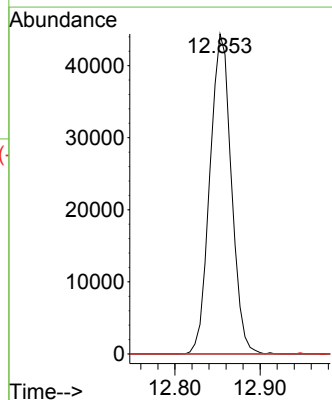
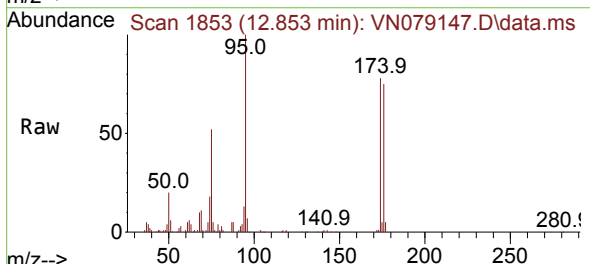
Instrument :
MSVOA_N
ClientSampleId :
PB155301ZHE#09

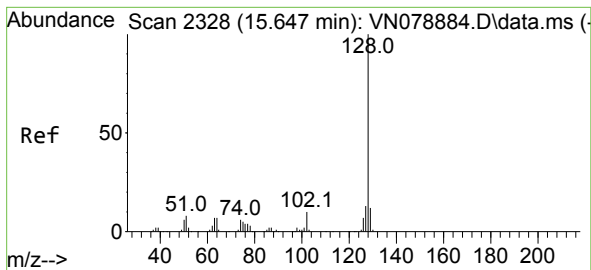
Tgt Ion: 75 Resp: 77723
Ion Ratio Lower Upper
75 100
77 1.3 84.5 253.5#



#81
trans-1,4-Dichloro-2-butene
Concen: 72.683 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. 0.112 min
Lab File: VN079147.D
Acq: 02 Sep 2023 16:47

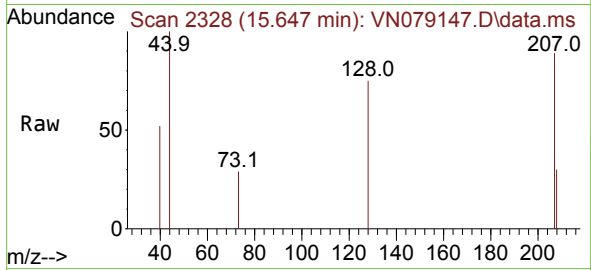
Tgt Ion: 75 Resp: 77723
Ion Ratio Lower Upper
75 100
53 0.0 67.4 101.2#
89 0.0 38.8 58.2#





#95
Naphthalene
Concen: 2.611 ug/l
RT: 15.647 min Scan# 21
Delta R.T. -0.000 min
Lab File: VN079147.D
Acq: 02 Sep 2023 16:47

Instrument :
MSVOA_N
ClientSampleId :
PB155301ZHE#09



Tgt Ion:128 Resp: 200
Ion Ratio Lower Upper
128 100
127 0.0 10.0 15.0#
129 0.0 8.7 13.1#

