

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN090223\
 Data File : VN079146.D
 Acq On : 02 Sep 2023 16:23
 Operator : JC\MD
 Sample : PB155301ZHE#08
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 PB155301ZHE#08

Quant Time: Sep 04 01:05:51 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)

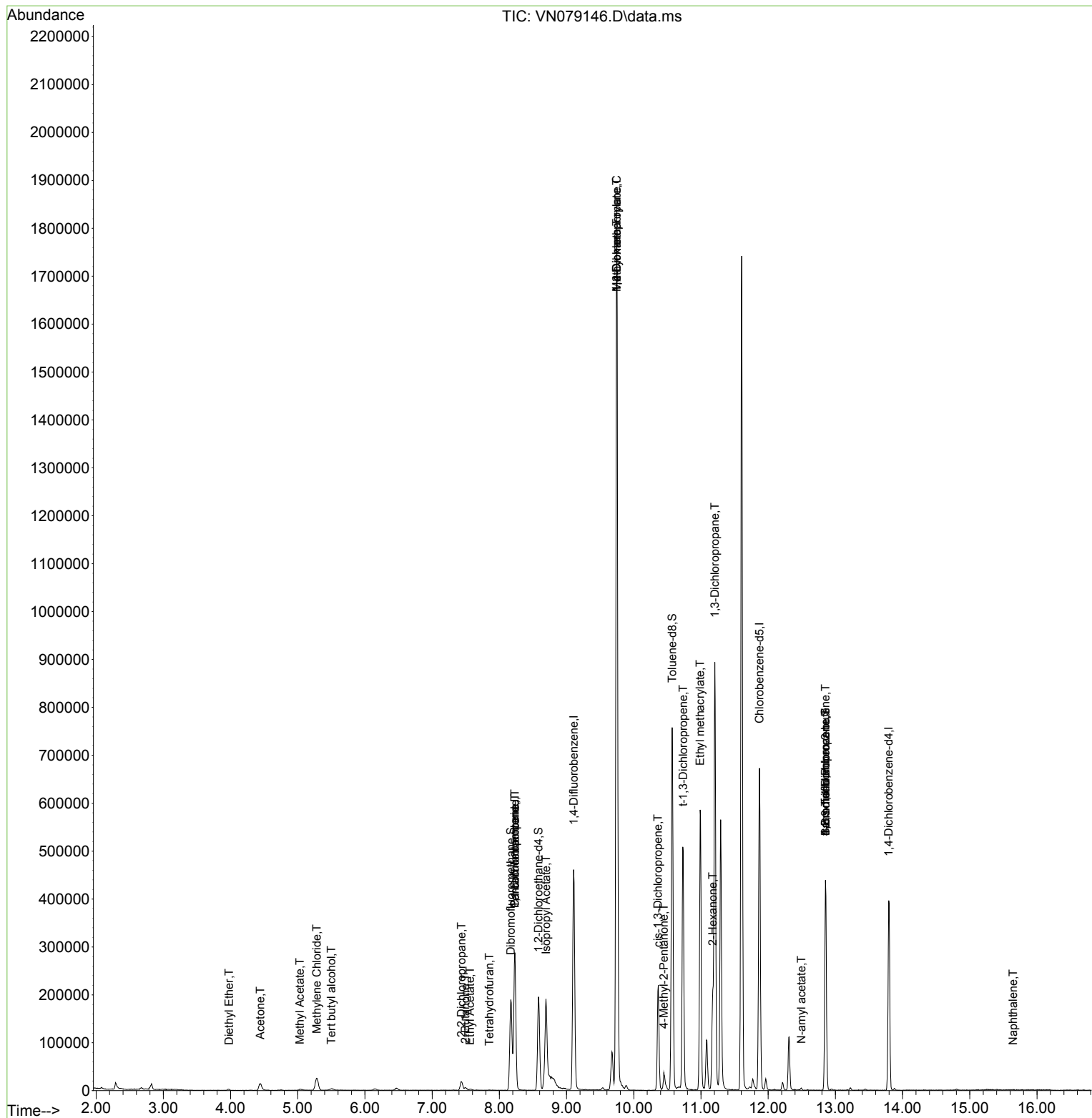
Internal Standards						
1) Pentafluorobenzene	8.229	168	211268	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	408852	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.870	117	399780	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	112181	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.582	65	159115	48.400	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	96.800%		
35) Dibromofluoromethane	8.171	113	140877	51.187	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	102.380%		
50) Toluene-d8	10.570	98	530271	51.890	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	103.780%		
62) 4-Bromofluorobenzene	12.853	95	153387	45.921	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	91.840%		
Target Compounds						Qvalue
8) Diethyl Ether	3.977	74	1435	0.866	ug/l	69
11) Tert butyl alcohol	5.500	59	3474	6.297	ug/l #	72
16) Acetone	4.441	43	28700	21.158	ug/l	95
18) Methyl Acetate	5.030	43	2495	0.435	ug/l	92
20) Methylene Chloride	5.283	84	20650	7.143	ug/l	92
25) 2-Butanone	7.494	43	7926	3.644	ug/l #	68
26) 2,2-Dichloropropane	7.435	77	1458	0.346	ug/l #	53
29) Tetrahydrofuran	7.853	42	521	0.362	ug/l #	27
31) Cyclohexane	8.229	56	4673	Below Cal	#	14
36) 1,1-Dichloropropene	8.229	75	17448	4.215	ug/l #	49
37) Ethyl Acetate	7.565	43	4188	0.904	ug/l #	79
38) Carbon Tetrachloride	8.229	117	21932	5.287	ug/l #	17
43) Isopropyl Acetate	8.694	43	244376	29.849	ug/l #	75
45) 1,2-Dichloropropane	9.747	63	2442	0.750	ug/l #	45
48) Methyl methacrylate	9.747	41	159545	43.004	ug/l #	26
49) 1,4-Dioxane	9.747	88	236	3.735	ug/l #	1
51) 4-Methyl-2-Pentanone	10.447	43	29221	6.018	ug/l #	79
53) t-1,3-Dichloropropene	10.735	75	1398	0.295	ug/l #	43
54) cis-1,3-Dichloropropene	10.359	75	39457	7.656	ug/l #	69
56) Ethyl methacrylate	10.988	69	2786	0.597	ug/l #	1
57) 1,3-Dichloropropane	11.206	76	8907	1.653	ug/l #	42
59) 2-Hexanone	11.176	43	171441	48.746	ug/l #	19
71) Bromoform	12.853	173	920	0.393	ug/l #	1
74) N-amyl acetate	12.494	43	2064	0.437	ug/l #	38
76) 1,2,3-Trichloropropane	12.853	75	79390	29.371	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.853	75	79390	75.030	ug/l #	15
95) Naphthalene	15.647	128	312	2.632	ug/l #	70

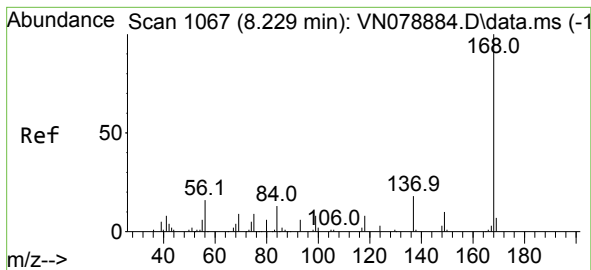
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Wed Aug 16 02:42:02 2023
Response via : Initial Calibration

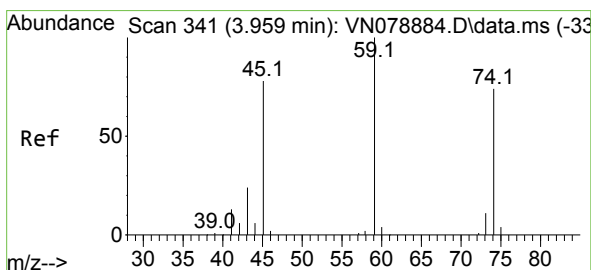
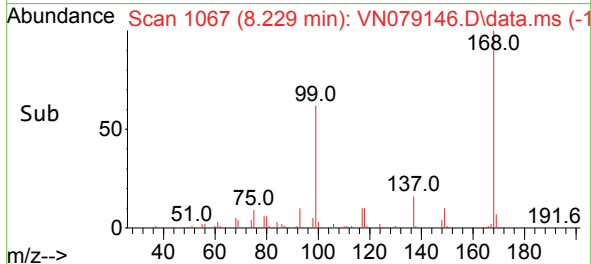
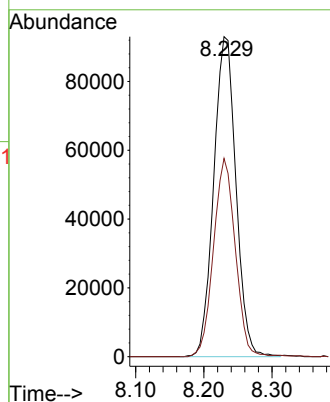
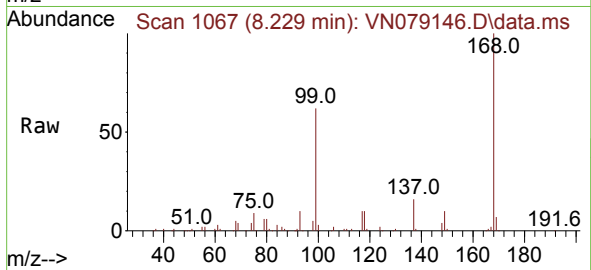




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.229 min Scan# 1067
Delta R.T. -0.001 min
Lab File: VN079146.D
Acq: 02 Sep 2023 16:23

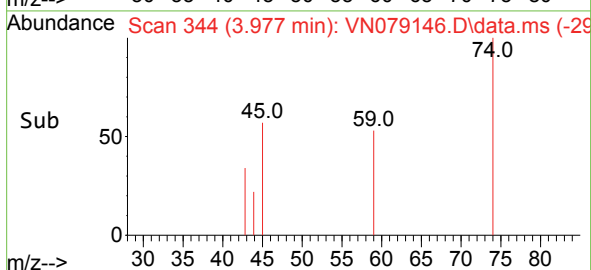
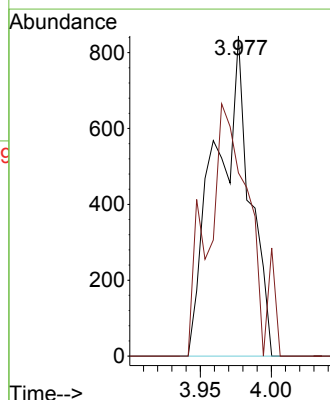
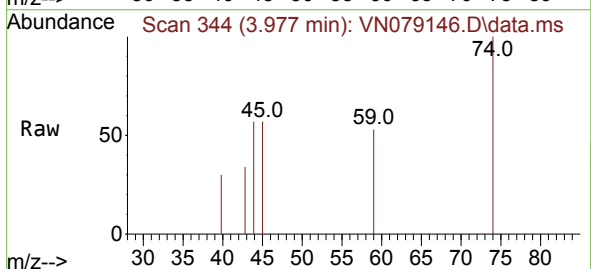
Instrument :
MSVOA_N
ClientSampleId :
PB155301ZHE#08

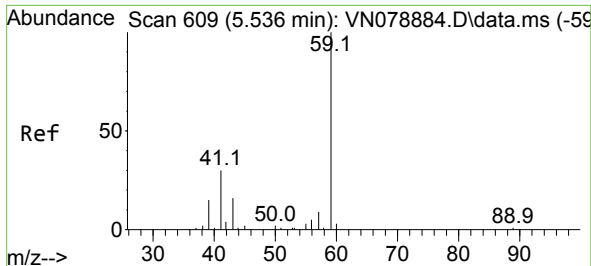
Tgt Ion:168 Resp: 211268
Ion Ratio Lower Upper
168 100
99 62.0 53.0 79.6



#8
Diethyl Ether
Concen: 0.866 ug/l
RT: 3.977 min Scan# 344
Delta R.T. 0.006 min
Lab File: VN079146.D
Acq: 02 Sep 2023 16:23

Tgt Ion: 74 Resp: 1435
Ion Ratio Lower Upper
74 100
45 94.1 34.4 103.3





#11

Tert butyl alcohol

Concen: 6.297 ug/l

RT: 5.500 min Scan# 609

Delta R.T. -0.042 min

Lab File: VN079146.D

Acq: 02 Sep 2023 16:23

Instrument :

MSVOA_N

ClientSampleId :

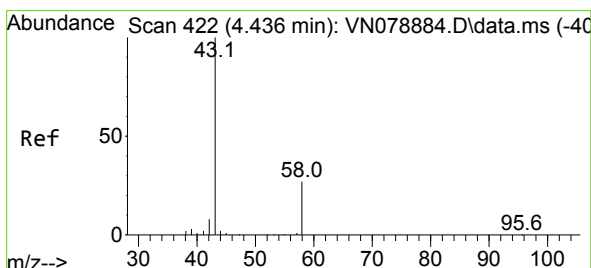
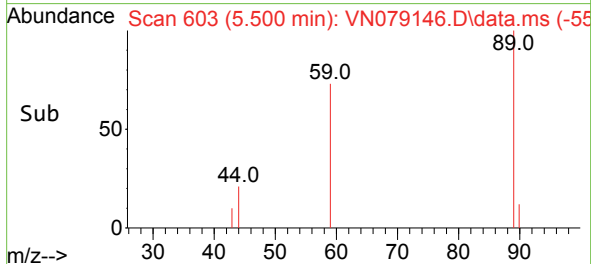
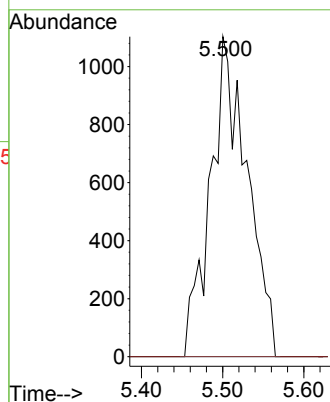
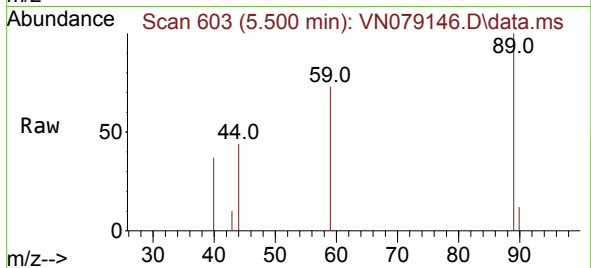
PB155301ZHE#08

Tgt Ion: 59 Resp: 3474

Ion Ratio Lower Upper

59 100

57 0.0 8.2 12.4#



#16

Acetone

Concen: 21.158 ug/l

RT: 4.441 min Scan# 423

Delta R.T. -0.001 min

Lab File: VN079146.D

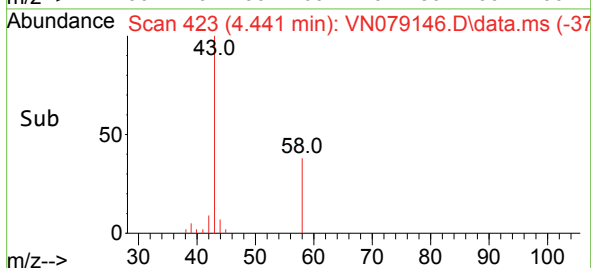
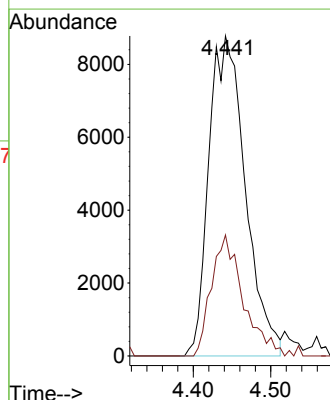
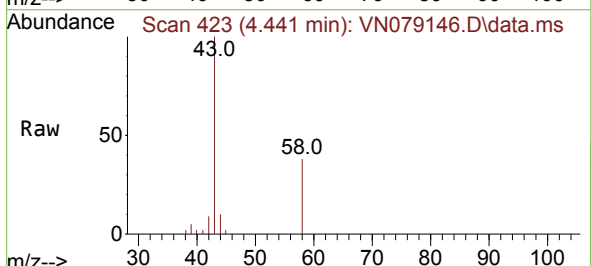
Acq: 02 Sep 2023 16:23

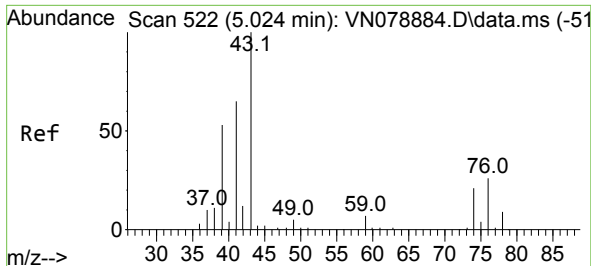
Tgt Ion: 43 Resp: 28700

Ion Ratio Lower Upper

43 100

58 37.8 28.0 42.0

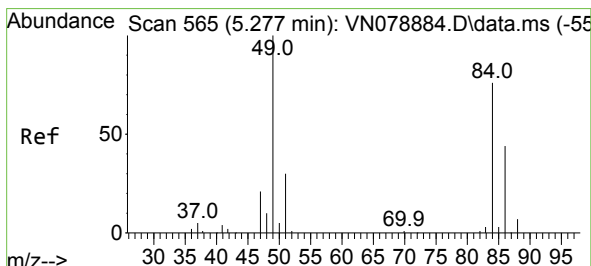
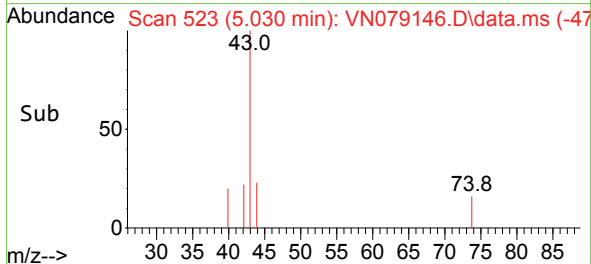
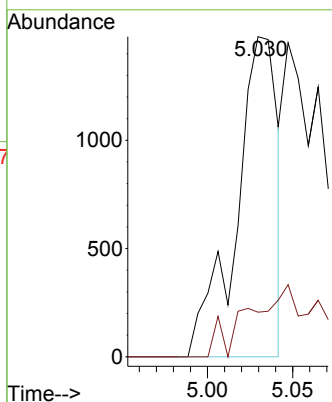
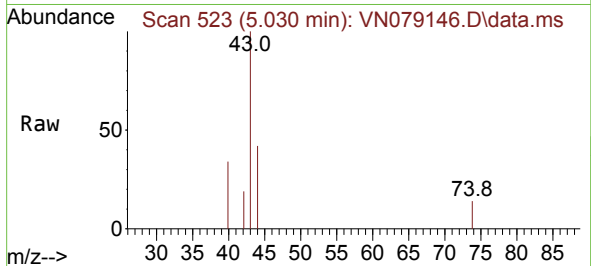




#18
Methyl Acetate
Concen: 0.435 ug/l
RT: 5.030 min Scan# 51
Delta R.T. -0.012 min
Lab File: VN079146.D
Acq: 02 Sep 2023 16:23

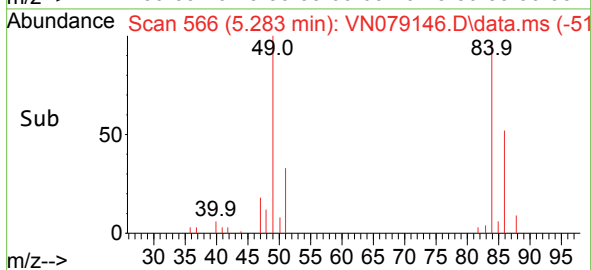
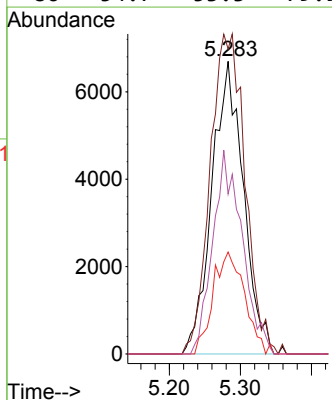
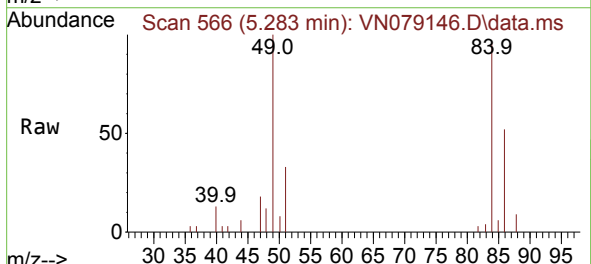
Instrument :
MSVOA_N
ClientSampleId :
PB155301ZHE#08

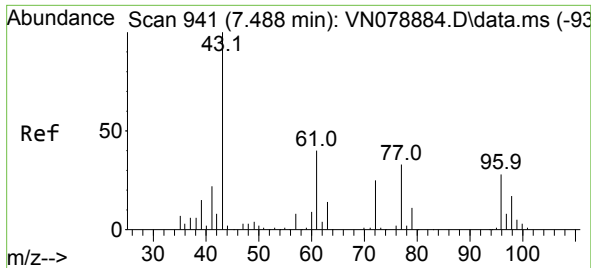
Tgt Ion: 43 Resp: 2495
Ion Ratio Lower Upper
43 100
74 28.5 26.2 39.4



#20
Methylene Chloride
Concen: 7.143 ug/l
RT: 5.283 min Scan# 566
Delta R.T. -0.000 min
Lab File: VN079146.D
Acq: 02 Sep 2023 16:23

Tgt Ion: 84 Resp: 20650
Ion Ratio Lower Upper
84 100
49 104.2 79.7 119.5
51 34.8 25.2 37.8
86 54.7 53.3 79.9

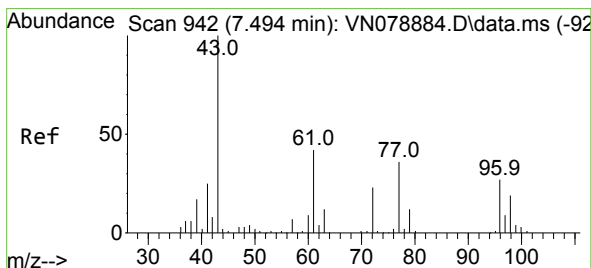
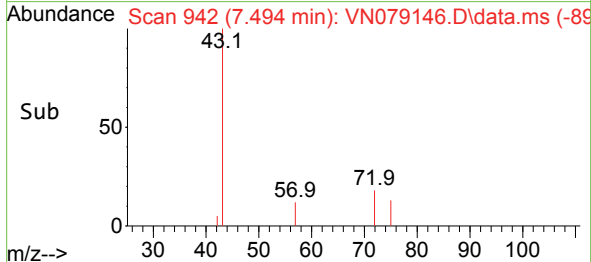
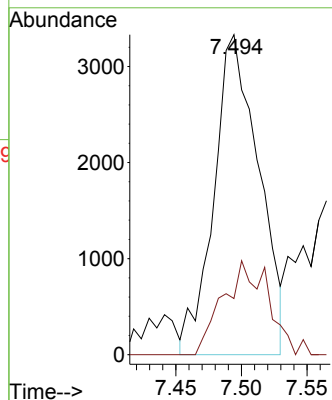
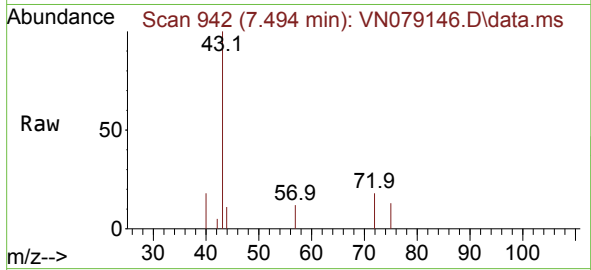




#25
2-Butanone
Concen: 3.644 ug/l
RT: 7.494 min Scan# 941
Delta R.T. 0.000 min
Lab File: VN079146.D
Acq: 02 Sep 2023 16:23

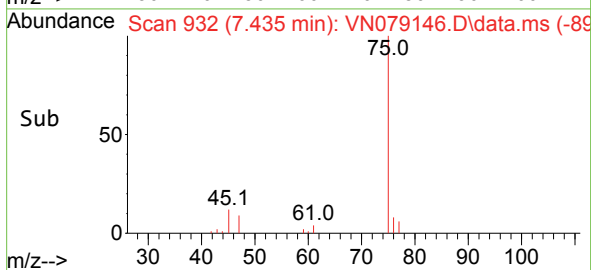
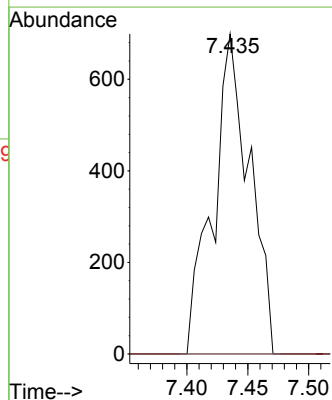
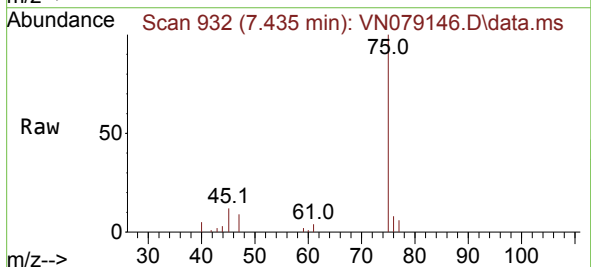
Instrument :
MSVOA_N
ClientSampleId :
PB155301ZHE#08

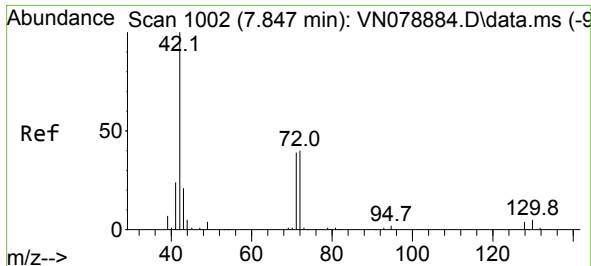
Tgt Ion: 43 Resp: 7926
Ion Ratio Lower Upper
43 100
72 18.4 30.2 45.2#



#26
2,2-Dichloropropane
Concen: 0.346 ug/l
RT: 7.435 min Scan# 932
Delta R.T. -0.065 min
Lab File: VN079146.D
Acq: 02 Sep 2023 16:23

Tgt Ion: 77 Resp: 1458
Ion Ratio Lower Upper
77 100
97 0.0 11.2 33.6#

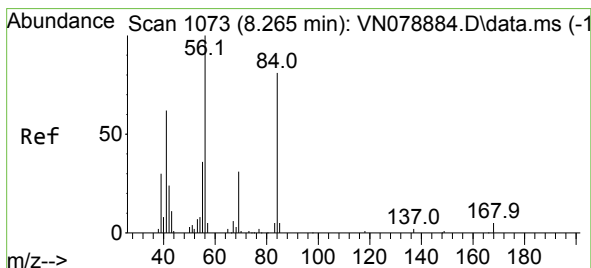
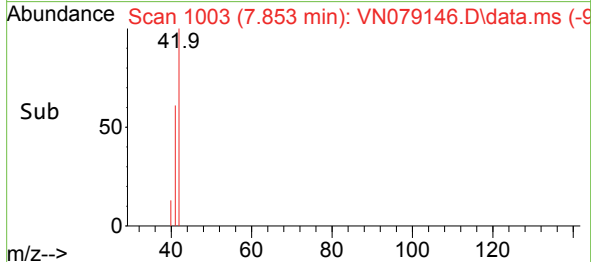
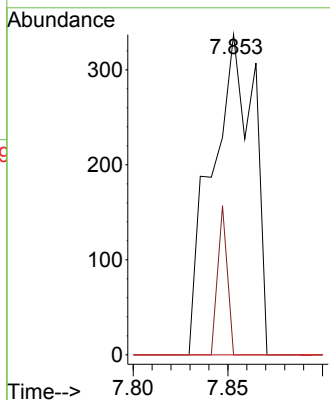
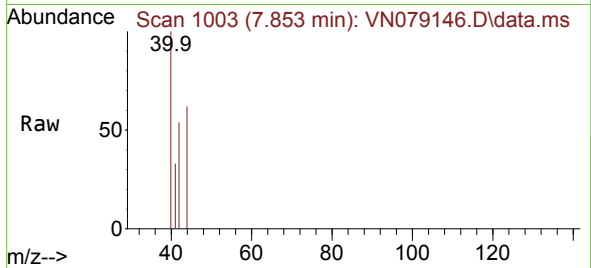




#29
Tetrahydrofuran
Concen: 0.362 ug/l
RT: 7.853 min Scan# 1067
Delta R.T. 0.006 min
Lab File: VN079146.D
Acq: 02 Sep 2023 16:23

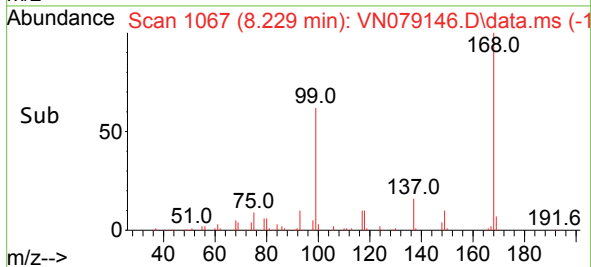
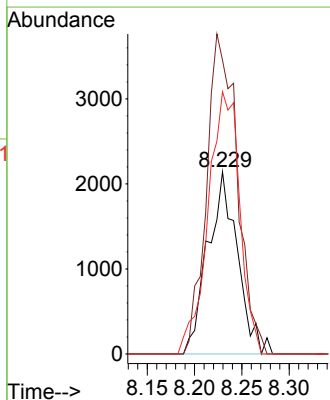
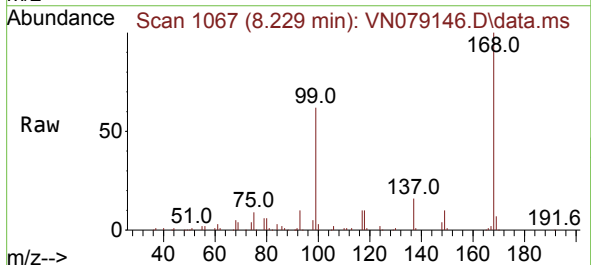
Instrument :
MSVOA_N
ClientSampleId :
PB155301ZHE#08

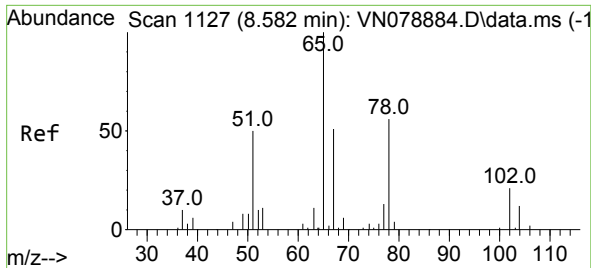
Tgt Ion: 42 Resp: 521
Ion Ratio Lower Upper
42 100
72 10.6 49.8 74.6#
71 0.0 47.4 71.2#



#31
Cyclohexane
Concen: Below Cal
RT: 8.229 min Scan# 1067
Delta R.T. -0.036 min
Lab File: VN079146.D
Acq: 02 Sep 2023 16:23

Tgt Ion: 56 Resp: 4673
Ion Ratio Lower Upper
56 100
69 161.2 26.8 40.2#
84 143.8 81.8 122.6#





#33

1,2-Dichloroethane-d4

Concen: 48.400 ug/l

RT: 8.582 min Scan# 1127

Delta R.T. -0.001 min

Lab File: VN079146.D

Acq: 02 Sep 2023 16:23

Instrument :

MSVOA_N

ClientSampleId :

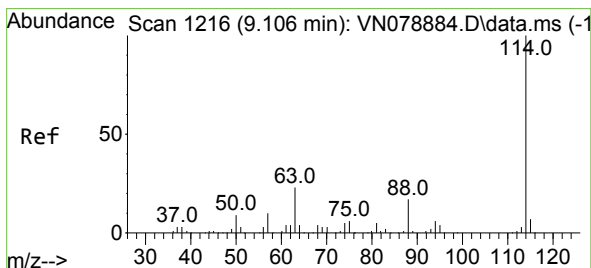
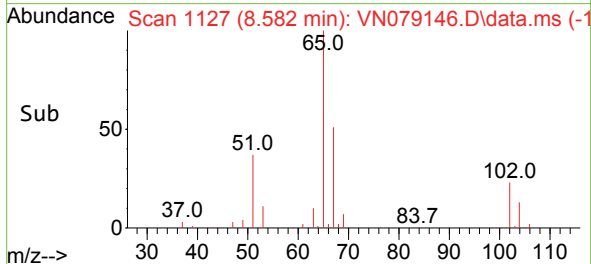
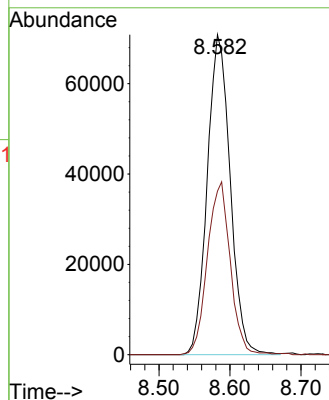
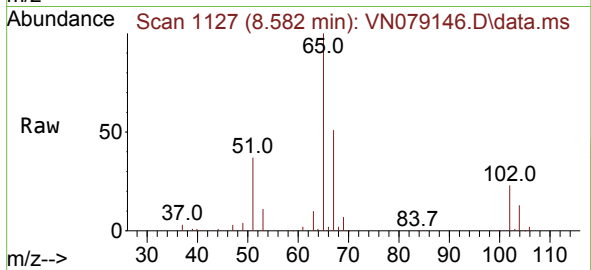
PB155301ZHE#08

Tgt Ion: 65 Resp: 159115

Ion Ratio Lower Upper

65 100

67 53.7 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: VN079146.D

Acq: 02 Sep 2023 16:23

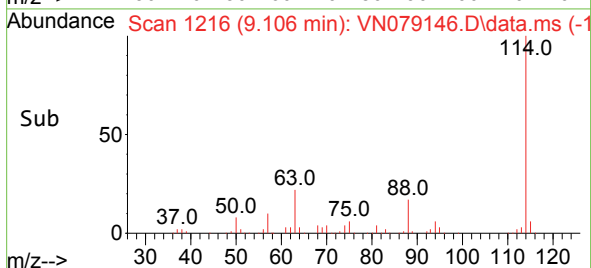
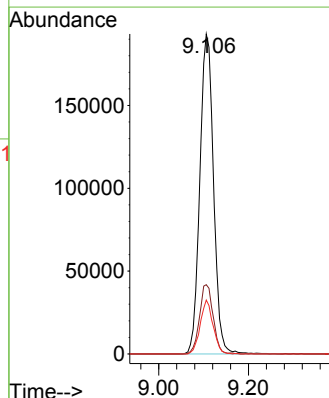
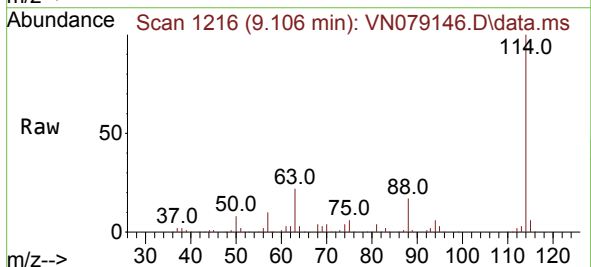
Tgt Ion: 114 Resp: 408852

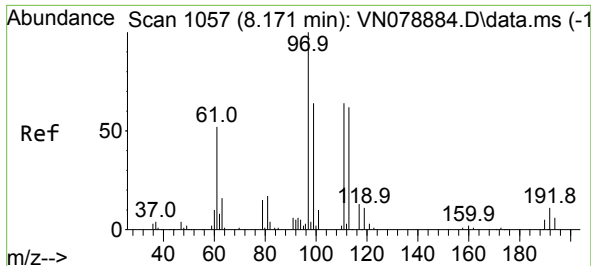
Ion Ratio Lower Upper

114 100

63 21.6 0.0 36.4

88 16.8 0.0 30.6

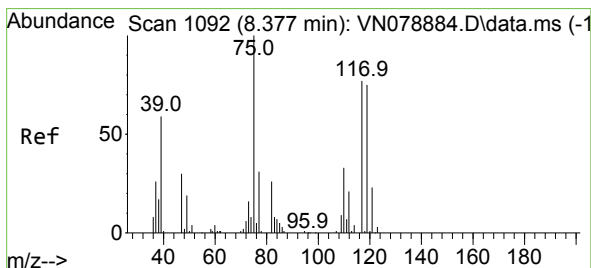
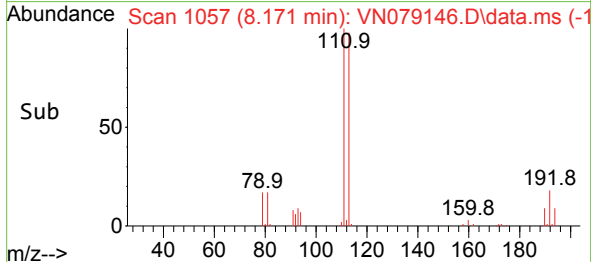
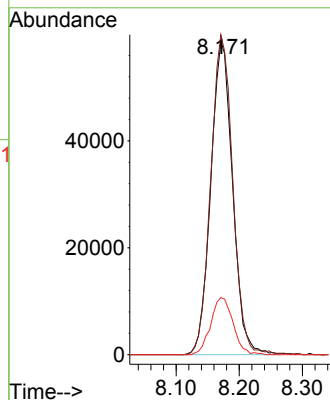
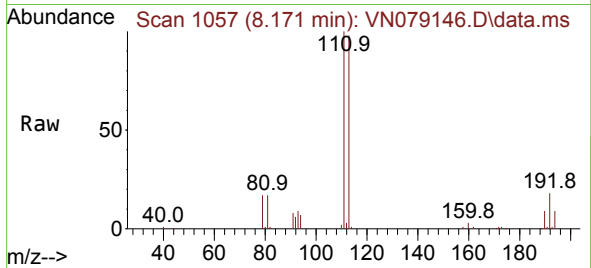




#35
Dibromofluoromethane
Concen: 51.187 ug/l
RT: 8.171 min Scan# 1057
Delta R.T. -0.000 min
Lab File: VN079146.D
Acq: 02 Sep 2023 16:23

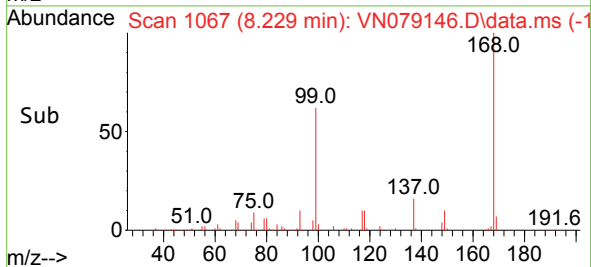
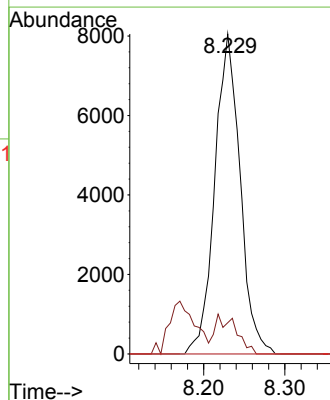
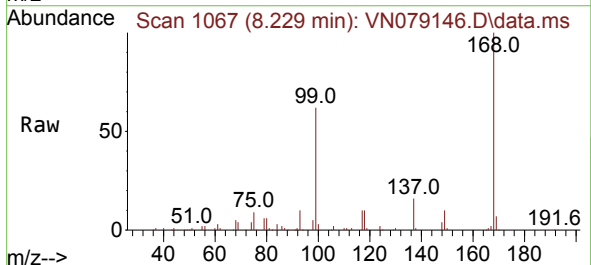
Instrument :
MSVOA_N
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PB155301ZHE#08

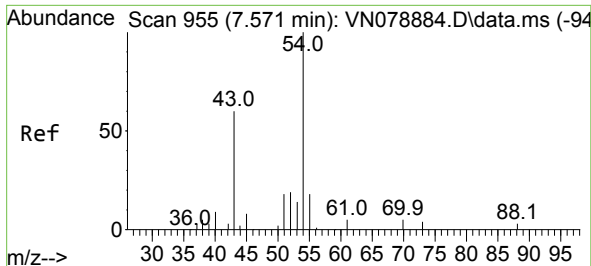
Tgt Ion:113 Resp: 140877
Ion Ratio Lower Upper
113 100
111 102.8 82.6 123.8
192 18.7 12.7 19.1



#36
1,1-Dichloropropene
Concen: 4.215 ug/l
RT: 8.229 min Scan# 1067
Delta R.T. -0.148 min
Lab File: VN079146.D
Acq: 02 Sep 2023 16:23

Tgt Ion: 75 Resp: 17448
Ion Ratio Lower Upper
75 100
110 10.3 19.1 57.3#
77 0.0 25.0 37.4#

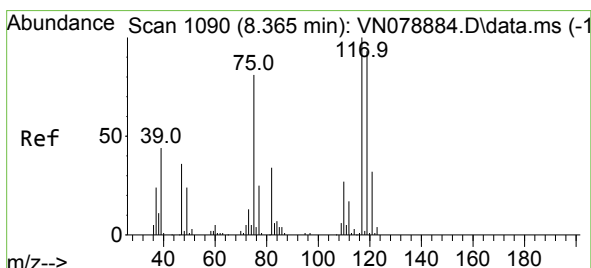
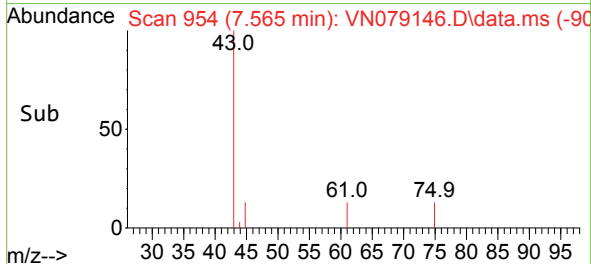
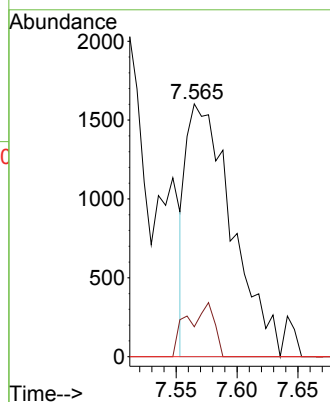
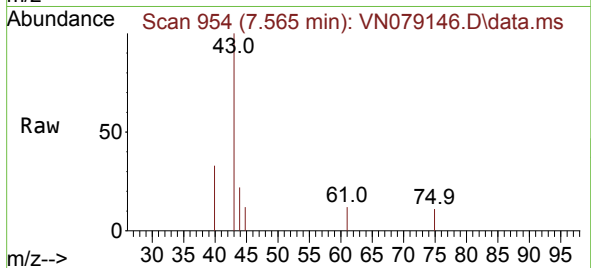




#37
Ethyl Acetate
Concen: 0.904 ug/l
RT: 7.565 min Scan# 91
Delta R.T. -0.006 min
Lab File: VN079146.D
Acq: 02 Sep 2023 16:23

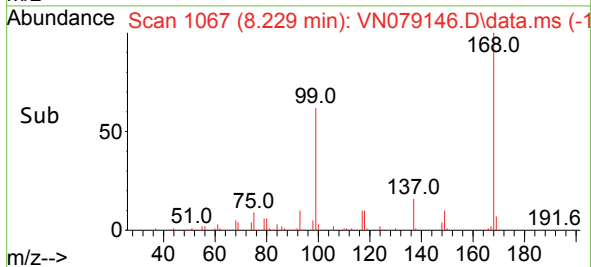
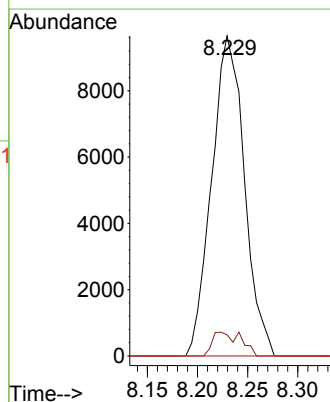
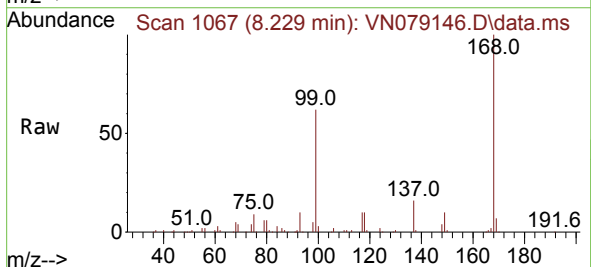
Instrument :
MSVOA_N
ClientSampleId :
PB155301ZHE#08

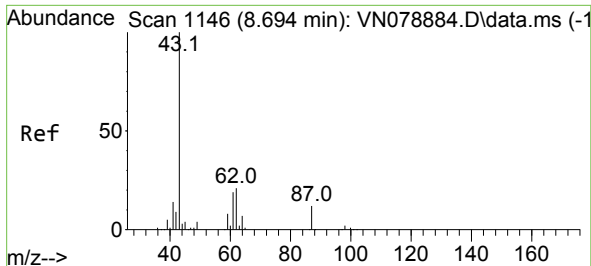
Tgt Ion: 43 Resp: 4188
Ion Ratio Lower Upper
43 100
61 12.6 13.2 19.8#
70 0.0 11.3 16.9#



#38
Carbon Tetrachloride
Concen: 5.287 ug/l
RT: 8.229 min Scan# 1067
Delta R.T. -0.142 min
Lab File: VN079146.D
Acq: 02 Sep 2023 16:23

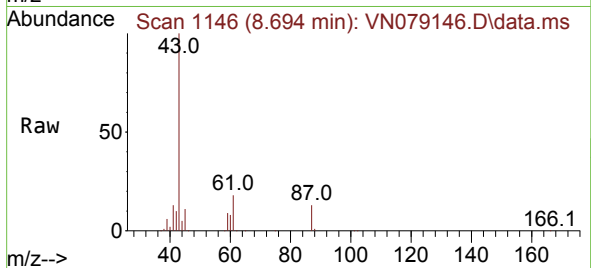
Tgt Ion: 117 Resp: 21932
Ion Ratio Lower Upper
117 100
119 6.6 77.3 115.9#
121 0.0 23.3 34.9#



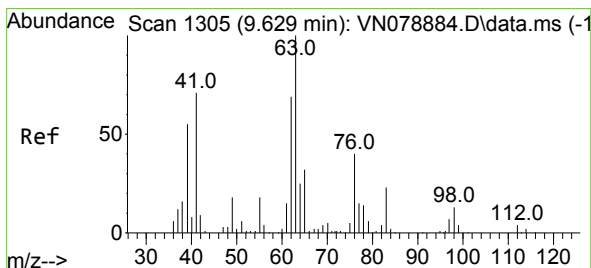
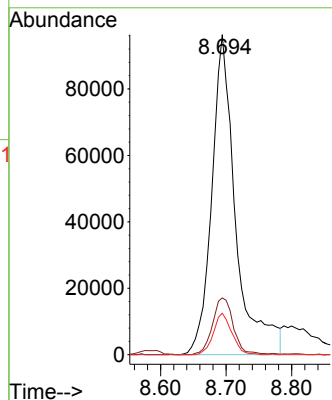
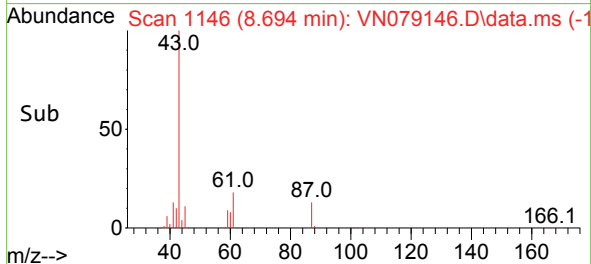


#43
Isopropyl Acetate
Concen: 29.849 ug/l
RT: 8.694 min Scan# 1146
Delta R.T. 0.000 min
Lab File: VN079146.D
Acq: 02 Sep 2023 16:23

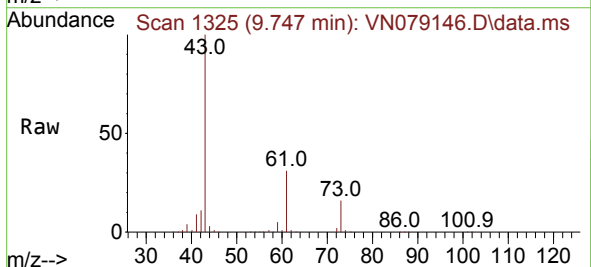
Instrument :
MSVOA_N
ClientSampleId :
PB155301ZHE#08



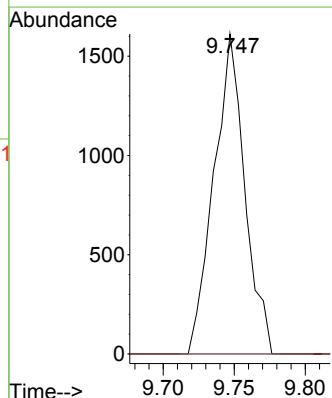
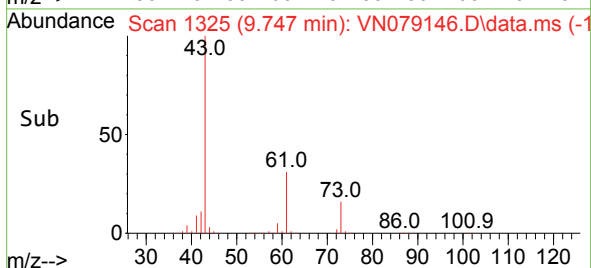
Tgt Ion: 43 Resp: 244376
Ion Ratio Lower Upper
43 100
61 15.4 24.7 37.1#
87 9.9 14.6 21.8#

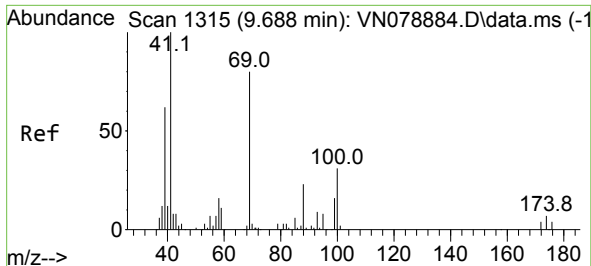


#45
1,2-Dichloropropane
Concen: 0.750 ug/l
RT: 9.747 min Scan# 1325
Delta R.T. 0.123 min
Lab File: VN079146.D
Acq: 02 Sep 2023 16:23



Tgt Ion: 63 Resp: 2442
Ion Ratio Lower Upper
63 100
65 0.0 23.9 35.9#

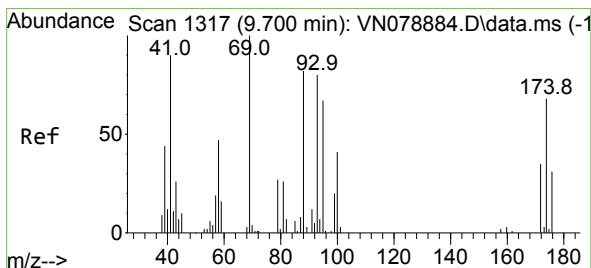
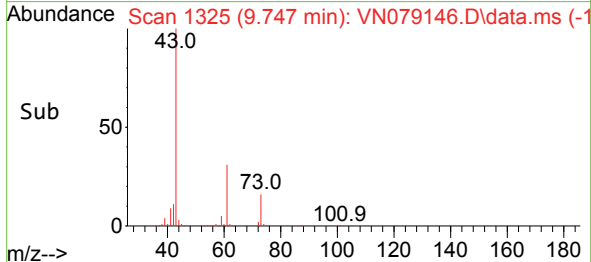
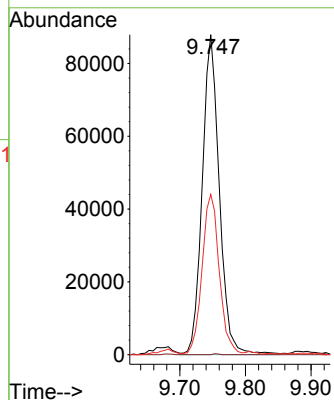
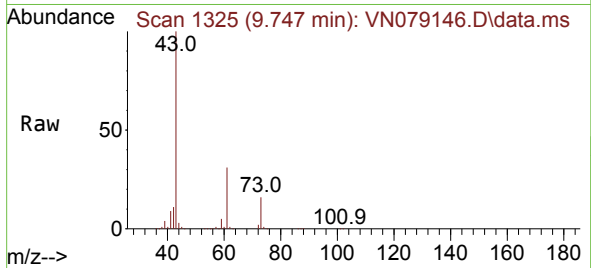




#48
Methyl methacrylate
Concen: 43.004 ug/l
RT: 9.747 min Scan# 1325
Delta R.T. 0.059 min
Lab File: VN079146.D
Acq: 02 Sep 2023 16:23

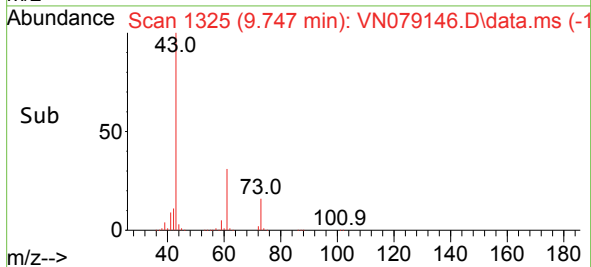
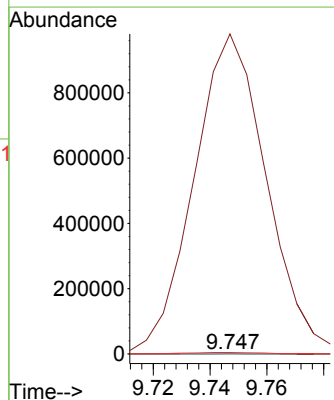
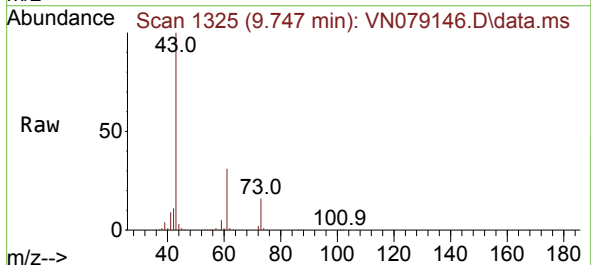
Instrument :
MSVOA_N
ClientSampleId :
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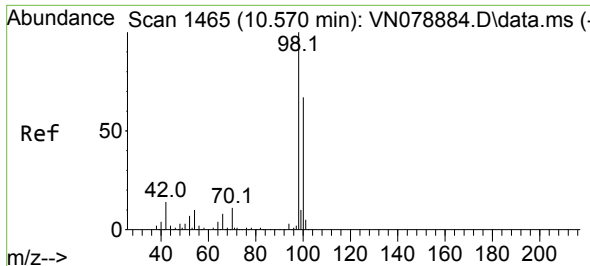
Tgt Ion: 41 Resp: 159545
Ion Ratio Lower Upper
41 100
69 0.1 90.4 135.6#
39 49.6 54.6 81.8#



#49
1,4-Dioxane
Concen: 3.735 ug/l
RT: 9.747 min Scan# 1325
Delta R.T. 0.047 min
Lab File: VN079146.D
Acq: 02 Sep 2023 16:23

Tgt Ion: 88 Resp: 236
Ion Ratio Lower Upper
88 100
43 747523.3 17.0 25.6#
58 3736.4 47.0 70.4#

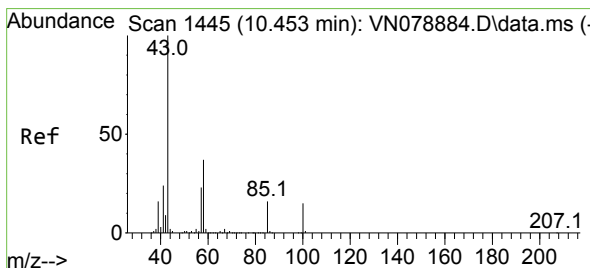
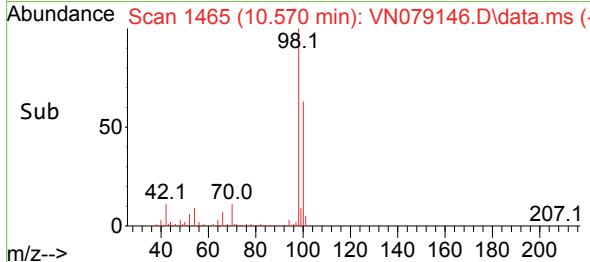
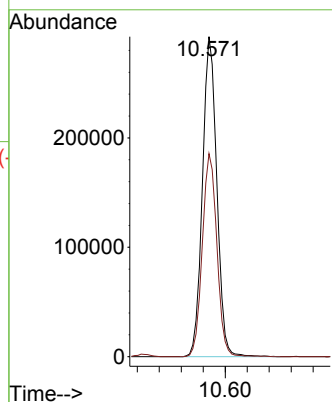
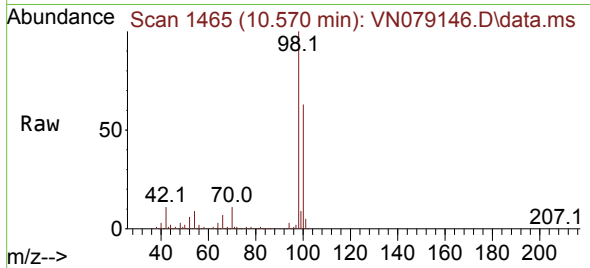




#50
Toluene-d8
Concen: 51.890 ug/l
RT: 10.570 min Scan# 1465
Delta R.T. -0.001 min
Lab File: VN079146.D
Acq: 02 Sep 2023 16:23

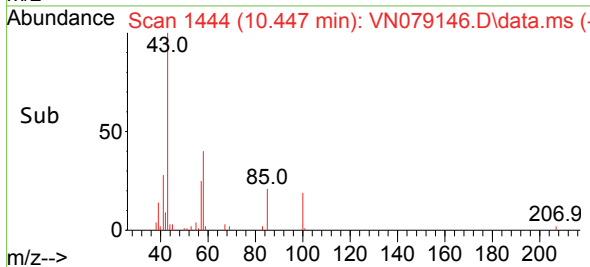
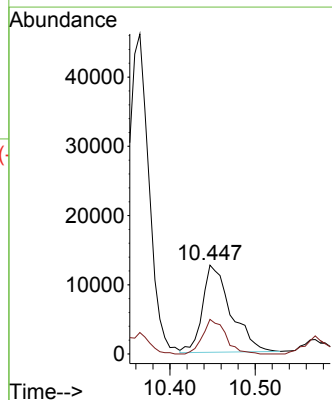
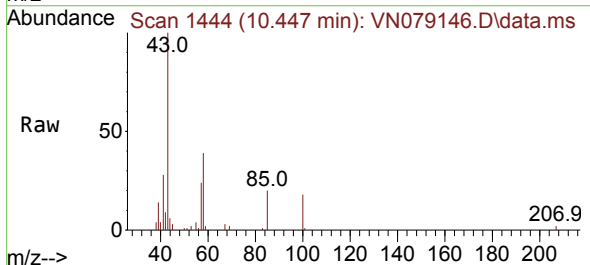
Instrument :
MSVOA_N
ClientSampleId :
PB155301ZHE#08

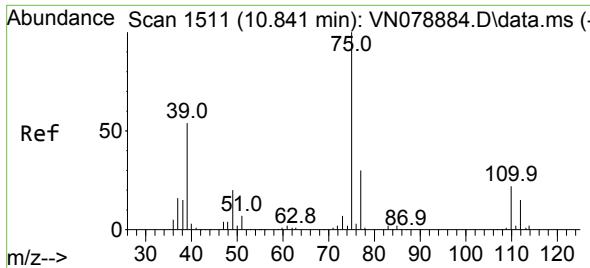
Tgt Ion: 98 Resp: 530271
Ion Ratio Lower Upper
98 100
100 64.3 52.0 78.0



#51
4-Methyl-2-Pentanone
Concen: 6.018 ug/l
RT: 10.447 min Scan# 1444
Delta R.T. -0.006 min
Lab File: VN079146.D
Acq: 02 Sep 2023 16:23

Tgt Ion: 43 Resp: 29221
Ion Ratio Lower Upper
43 100
58 32.1 36.6 54.8#

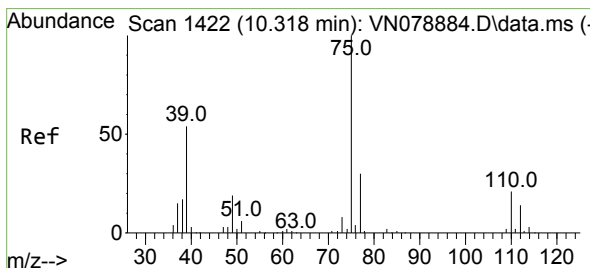
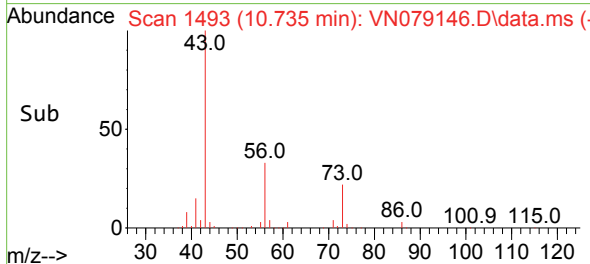
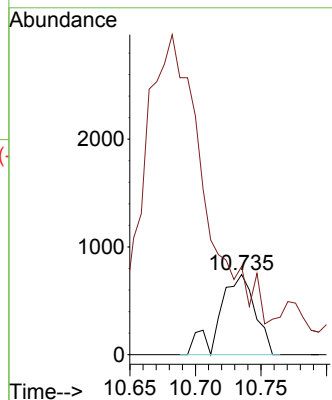
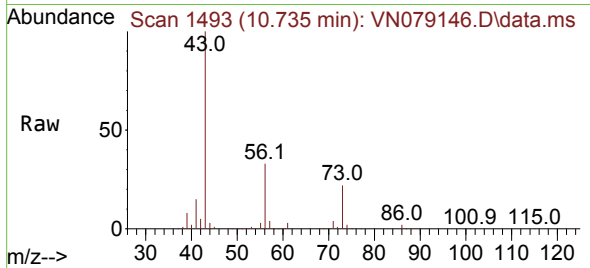




#53
t-1,3-Dichloropropene
Concen: 0.295 ug/l
RT: 10.735 min Scan# 1493
Delta R.T. -0.106 min
Lab File: VN079146.D
Acq: 02 Sep 2023 16:23

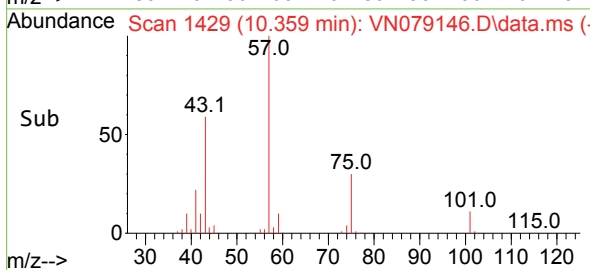
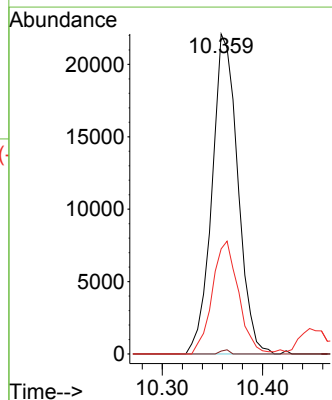
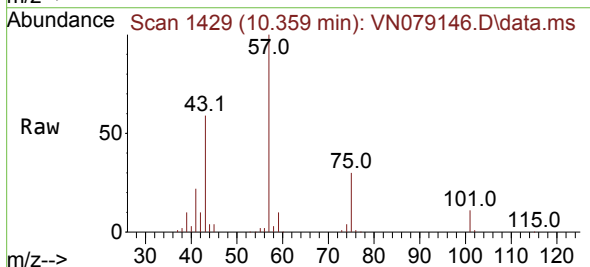
Instrument :
MSVOA_N
ClientSampleId :
PB155301ZHE#08

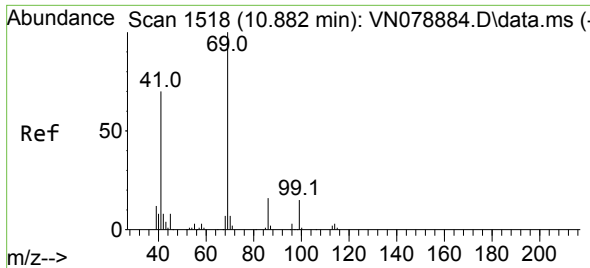
Tgt Ion: 75 Resp: 1398
Ion Ratio Lower Upper
75 100
77 63.3 25.4 38.0#



#54
cis-1,3-Dichloropropene
Concen: 7.656 ug/l
RT: 10.359 min Scan# 1429
Delta R.T. 0.041 min
Lab File: VN079146.D
Acq: 02 Sep 2023 16:23

Tgt Ion: 75 Resp: 39457
Ion Ratio Lower Upper
75 100
77 0.9 26.1 39.1#
39 32.9 31.6 47.4

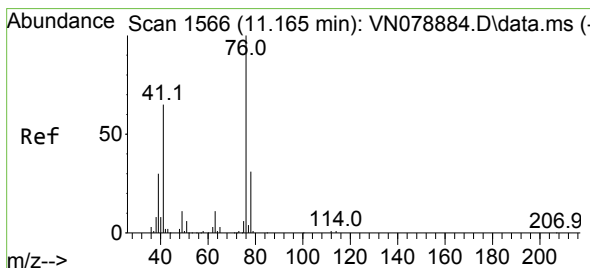
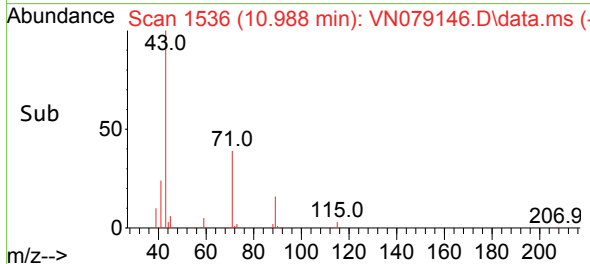
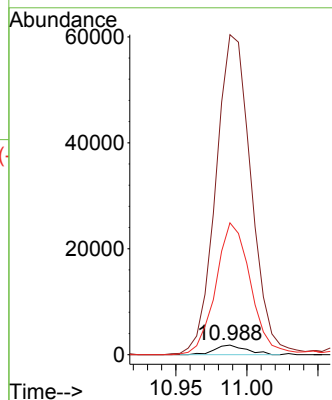
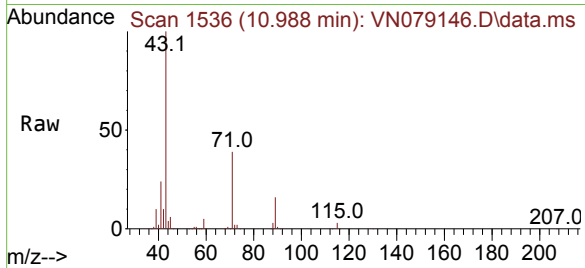




#56
Ethyl methacrylate
Concen: 0.597 ug/l
RT: 10.988 min Scan# 1536
Delta R.T. 0.111 min
Lab File: VN079146.D
Acq: 02 Sep 2023 16:23

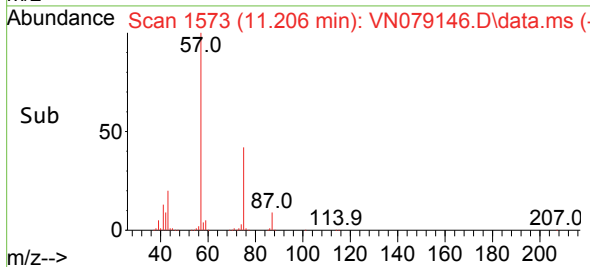
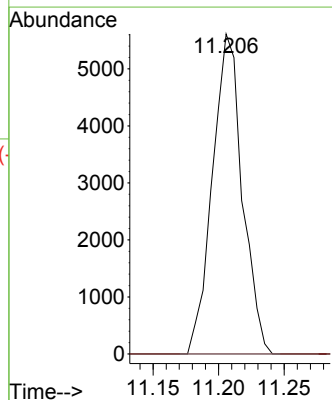
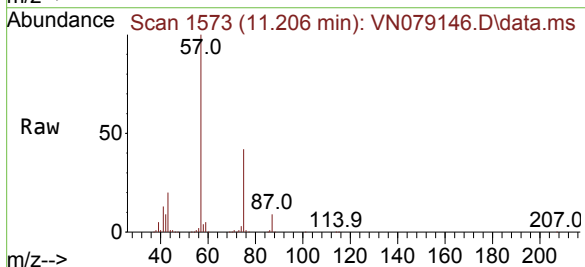
Instrument :
MSVOA_N
ClientSampleId :
PB155301ZHE#08

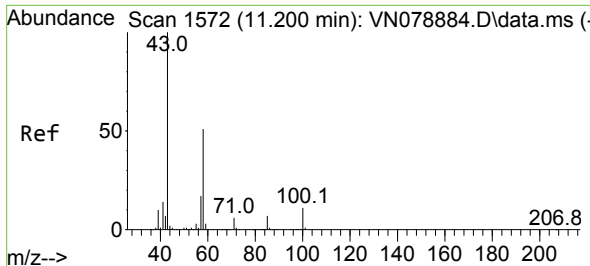
Tgt Ion: 69 Resp: 2786
Ion Ratio Lower Upper
69 100
41 3754.8 39.6 59.4#
39 1533.1 28.6 43.0#



#57
1,3-Dichloropropane
Concen: 1.653 ug/l
RT: 11.206 min Scan# 1573
Delta R.T. 0.041 min
Lab File: VN079146.D
Acq: 02 Sep 2023 16:23

Tgt Ion: 76 Resp: 8907
Ion Ratio Lower Upper
76 100
78 0.0 26.1 39.1#

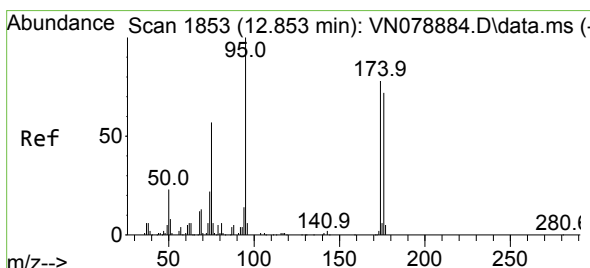
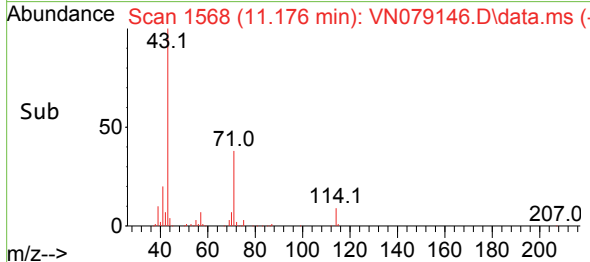
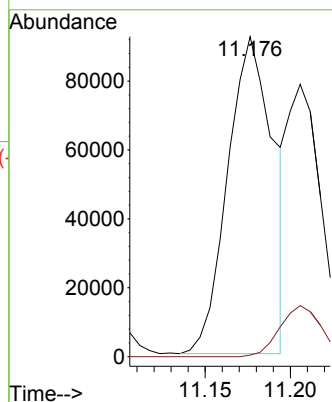
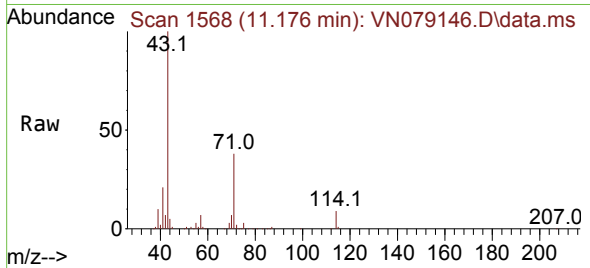




#59
2-Hexanone
Concen: 48.746 ug/l
RT: 11.176 min Scan# 11176
Delta R.T. -0.024 min
Lab File: VN079146.D
Acq: 02 Sep 2023 16:23

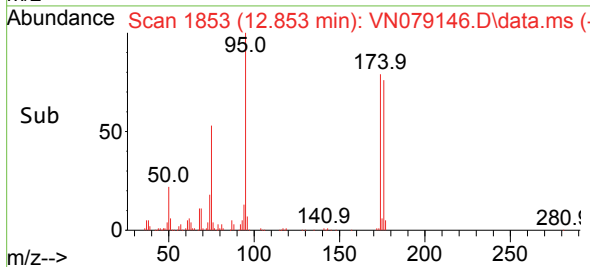
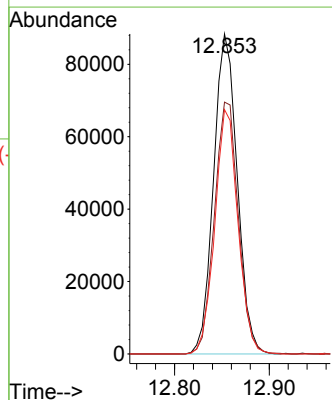
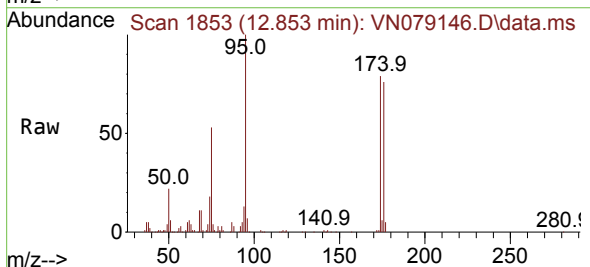
Instrument :
MSVOA_N
ClientSampleId :
PB155301ZHE#08

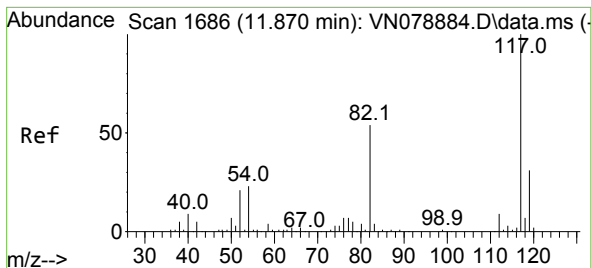
Tgt Ion: 43 Resp: 171441
Ion Ratio Lower Upper
43 100
58 0.0 31.7 95.1#



#62
4-Bromofluorobenzene
Concen: 45.921 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. -0.000 min
Lab File: VN079146.D
Acq: 02 Sep 2023 16:23

Tgt Ion: 95 Resp: 153387
Ion Ratio Lower Upper
95 100
174 79.9 0.0 143.8
176 75.0 0.0 135.8

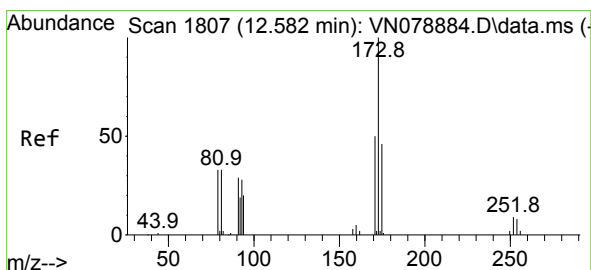
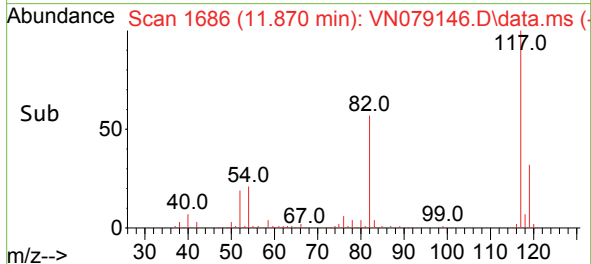
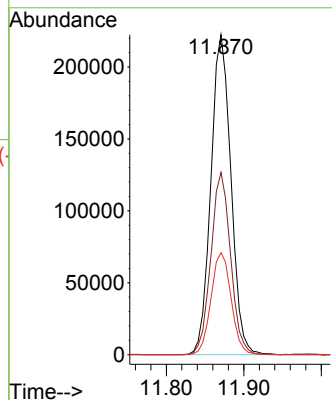
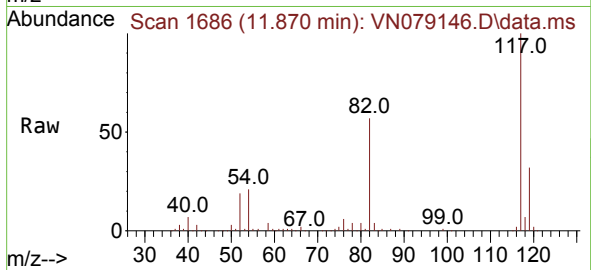




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.870 min Scan# 11
Delta R.T. -0.001 min
Lab File: VN079146.D
Acq: 02 Sep 2023 16:23

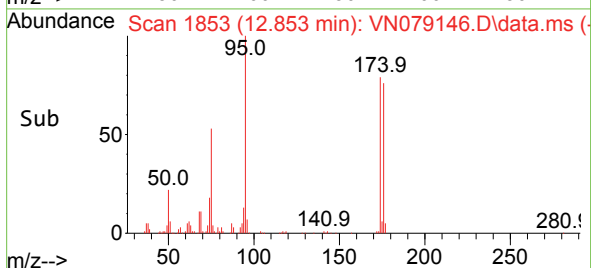
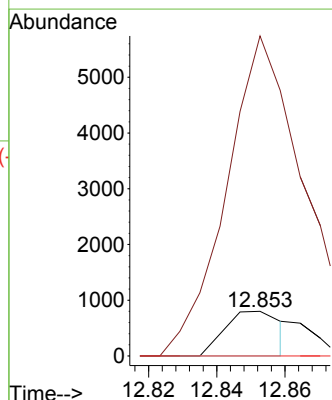
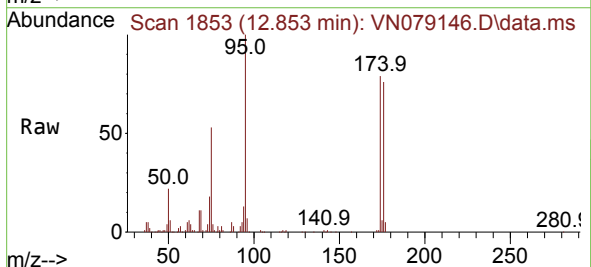
Instrument :
MSVOA_N
ClientSampleId :
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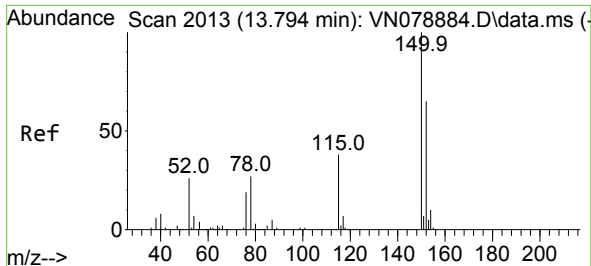
Tgt Ion:117 Resp: 399780
Ion Ratio Lower Upper
117 100
82 57.0 44.0 66.0
119 31.8 25.6 38.4



#71
Bromoform
Concen: 0.393 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. 0.271 min
Lab File: VN079146.D
Acq: 02 Sep 2023 16:23

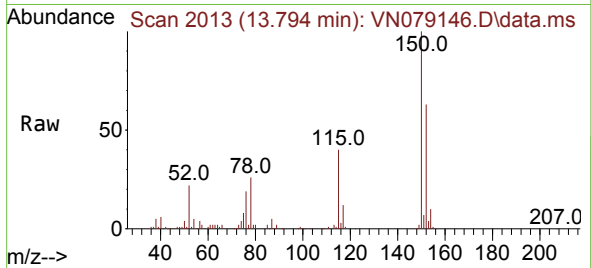
Tgt Ion:173 Resp: 920
Ion Ratio Lower Upper
173 100
175 721.0 24.3 73.0#
254 0.0 0.0 0.0



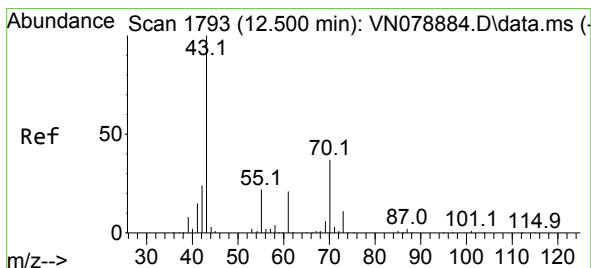
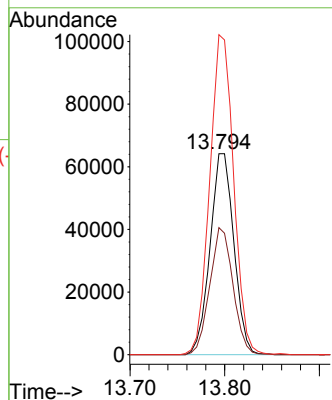
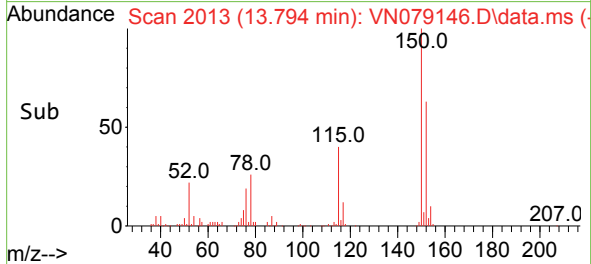


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.794 min Scan# 20
Delta R.T. -0.000 min
Lab File: VN079146.D
Acq: 02 Sep 2023 16:23

Instrument :
MSVOA_N
ClientSampleId :
PB155301ZHE#08

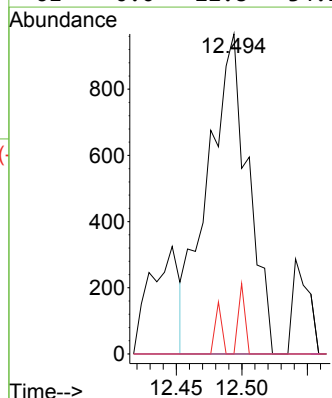
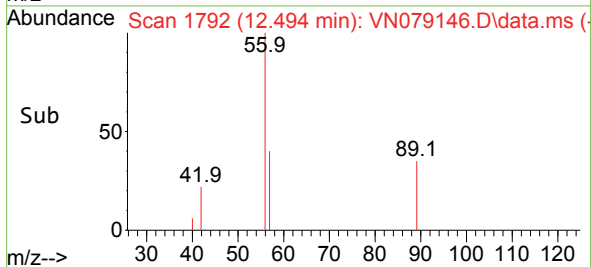
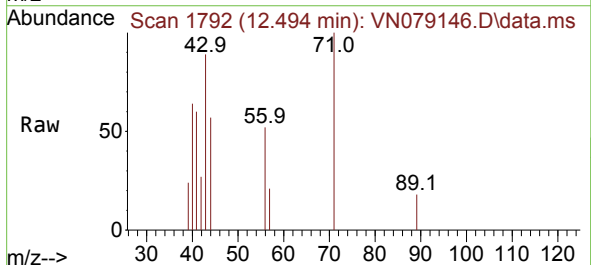


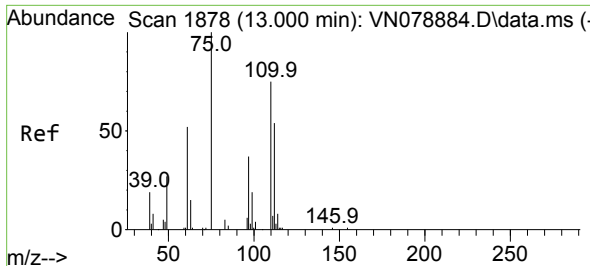
Tgt Ion:152 Resp: 112181
Ion Ratio Lower Upper
152 100
115 61.5 32.3 96.8
150 159.4 0.0 355.8



#74
N-ethyl acetate
Concen: 0.437 ug/l
RT: 12.494 min Scan# 1792
Delta R.T. -0.006 min
Lab File: VN079146.D
Acq: 02 Sep 2023 16:23

Tgt Ion: 43 Resp: 2064
Ion Ratio Lower Upper
43 100
70 0.0 43.4 65.2#
55 3.6 21.4 32.0#
61 0.0 22.8 34.2#

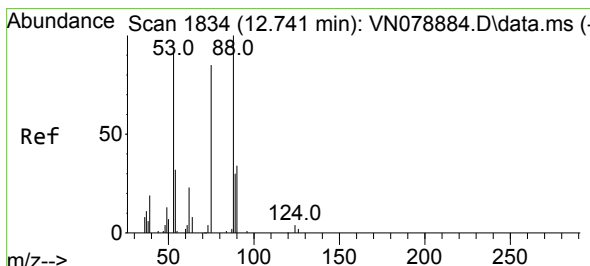
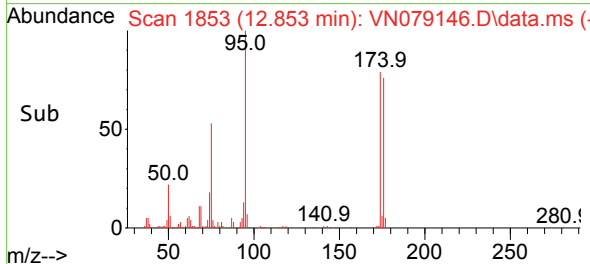
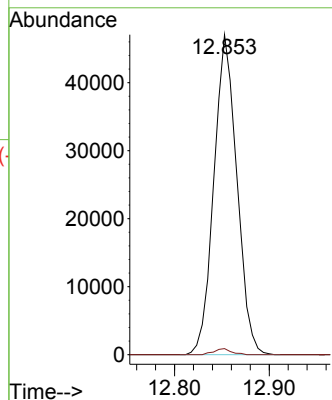
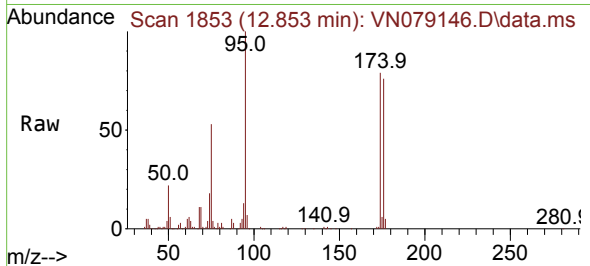




#76
1,2,3-Trichloropropane
Concen: 29.371 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. -0.147 min
Lab File: VN079146.D
Acq: 02 Sep 2023 16:23

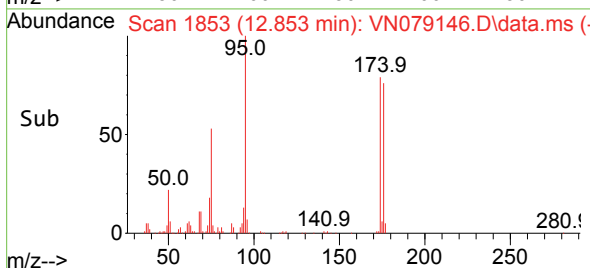
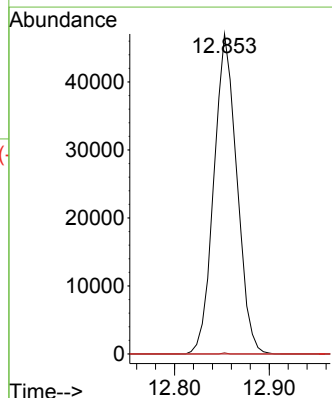
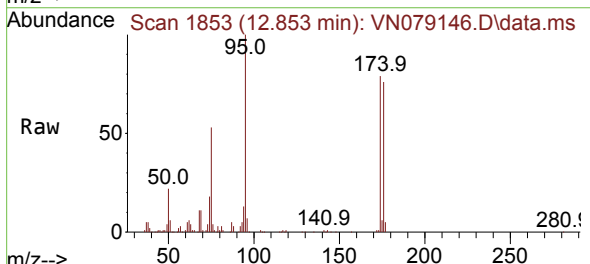
Instrument :
MSVOA_N
ClientSampleId :
PB155301ZHE#08

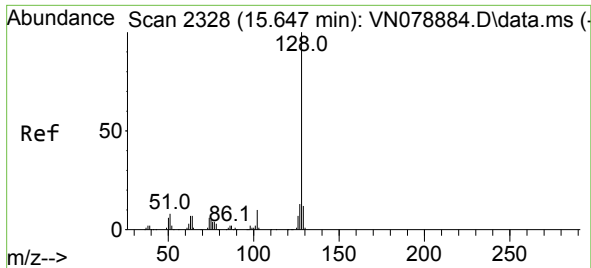
Tgt Ion: 75 Resp: 79390
Ion Ratio Lower Upper
75 100
77 1.4 84.5 253.5#



#81
trans-1,4-Dichloro-2-butene
Concen: 75.030 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. 0.112 min
Lab File: VN079146.D
Acq: 02 Sep 2023 16:23

Tgt Ion: 75 Resp: 79390
Ion Ratio Lower Upper
75 100
53 0.1 67.4 101.2#
89 0.0 38.8 58.2#





#95

Naphthalene

Concen: 2.632 ug/l

RT: 15.647 min Scan# 21

Delta R.T. -0.000 min

Lab File: VN079146.D

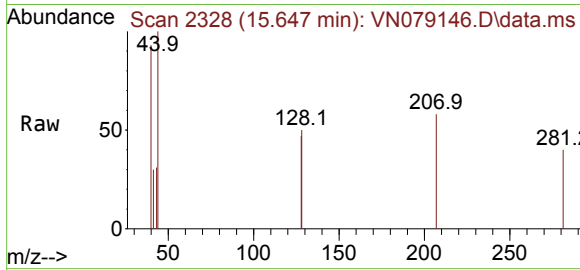
Acq: 02 Sep 2023 16:23

Instrument :

MSVOA_N

ClientSampleId :

PB155301ZHE#08



Tgt Ion:128 Resp: 312

Ion Ratio Lower Upper

128 100

127 0.0 10.0 15.0#

129 0.0 8.7 13.1#

