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 Data File : VN080346.D
 Acq On : 04 Dec 2023 18:20
 Operator : JC\MD
 Sample : 05602-02
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Dec 05 04:20:41 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N111623W.M
 Quant Title : SW846 8260
 QLast Update : Fri Nov 17 01:19:32 2023
 Response via : Initial Calibration

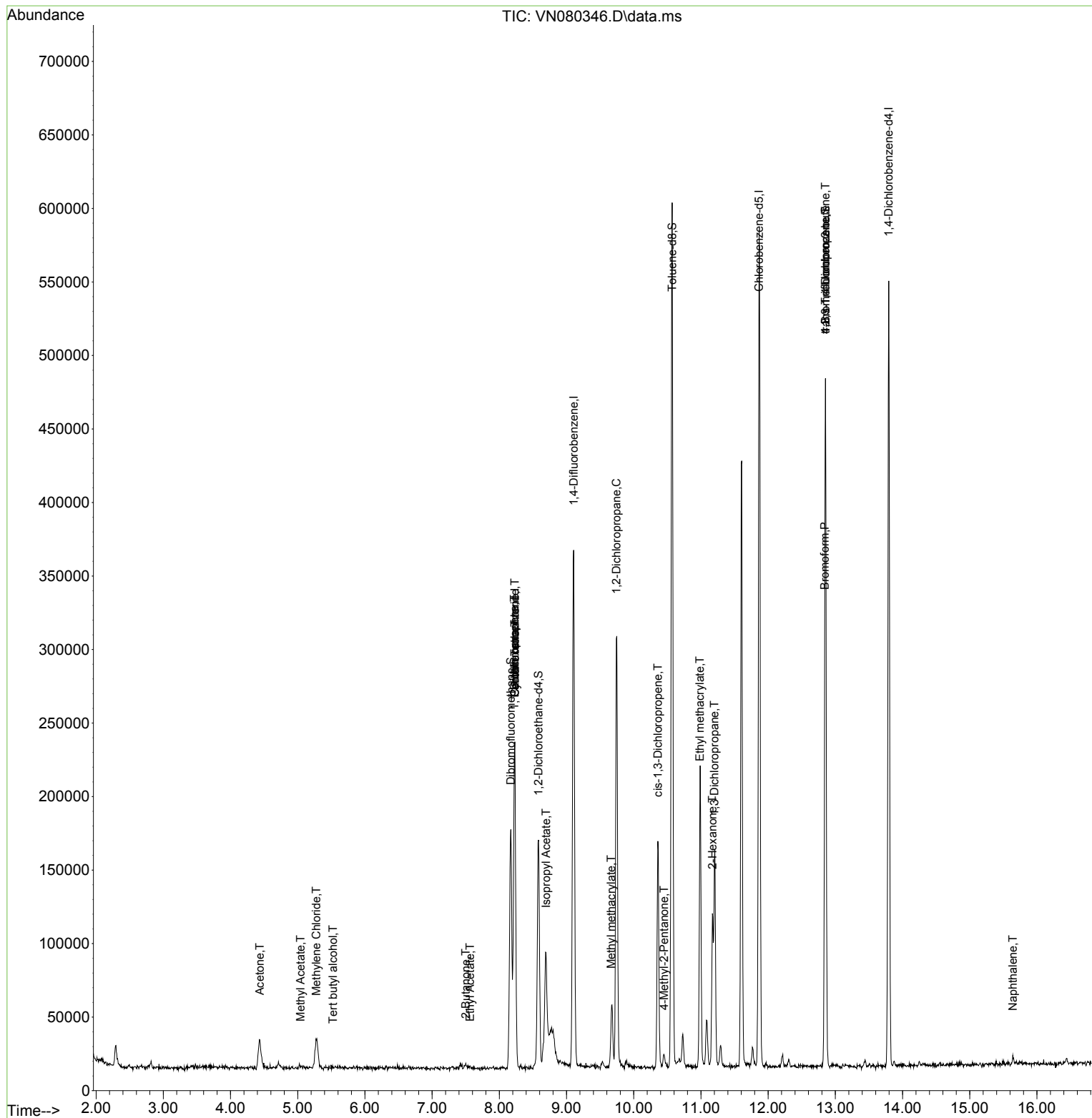
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	8.230	168	153749	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	298518	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	326687	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	142573	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.583	65	145083	57.150	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	114.300%
35) Dibromofluoromethane	8.171	113	114021	51.765	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	103.520%
50) Toluene-d8	10.571	98	404244	50.911	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	101.820%
62) 4-Bromofluorobenzene	12.853	95	155908	51.984	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	103.960%
Target Compounds						Qvalue
6) Chloroethane	3.112	64	532	Below Cal	#	43
11) Tert butyl alcohol	5.524	59	423	1.515	ug/l #	72
16) Acetone	4.436	43	35630	41.786	ug/l	94
18) Methyl Acetate	5.042	43	3897	1.422	ug/l #	74
20) Methylene Chloride	5.277	84	16630	9.313	ug/l	93
25) 2-Butanone	7.500	43	3691	3.643	ug/l #	78
31) Cyclohexane	8.230	56	3803	1.377	ug/l #	23
36) 1,1-Dichloropropene	8.224	75	13025	4.084	ug/l #	50
37) Ethyl Acetate	7.565	43	800	0.362	ug/l #	73
38) Carbon Tetrachloride	8.230	117	17825	4.405	ug/l #	17
43) Isopropyl Acetate	8.694	43	99779	23.180	ug/l #	75
45) 1,2-Dichloropropane	9.741	63	467	0.222	ug/l #	45
48) Methyl methacrylate	9.665	41	2165	0.976	ug/l #	27
51) 4-Methyl-2-Pentanone	10.453	43	7699	3.455	ug/l #	74
54) cis-1,3-Dichloropropene	10.359	75	30047	8.162	ug/l #	67
56) Ethyl methacrylate	10.982	69	1499	0.678	ug/l #	1
57) 1,3-Dichloropropane	11.200	76	1682	0.445	ug/l #	42
59) 2-Hexanone	11.171	43	91071	50.855	ug/l #	19
71) Bromoform	12.841	173	1518	0.713	ug/l #	1
76) 1,2,3-Trichloropropane	12.853	75	89261	25.552	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.853	75	89261	86.330	ug/l #	15
95) Naphthalene	15.641	128	5768	0.710	ug/l #	92

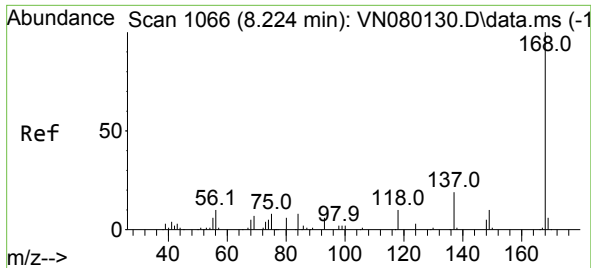
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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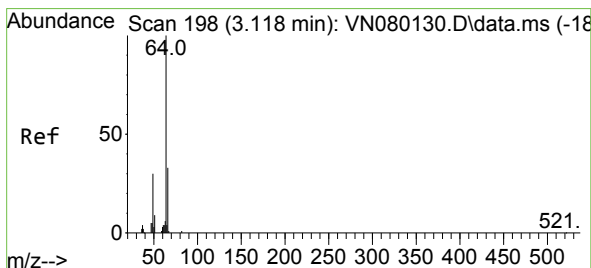
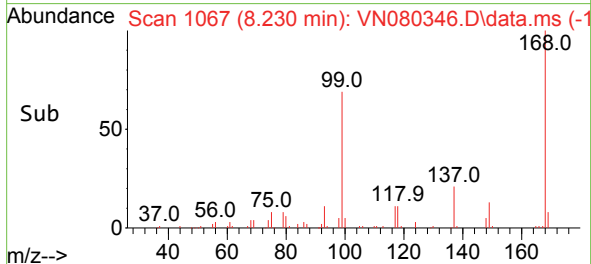
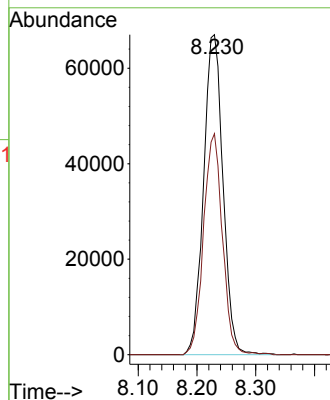
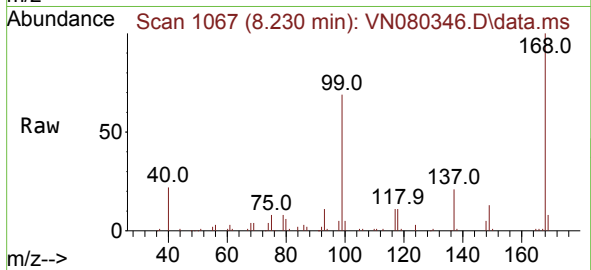




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.230 min Scan# 1066
Delta R.T. 0.006 min
Lab File: VN080346.D
Acq: 04 Dec 2023 18:20

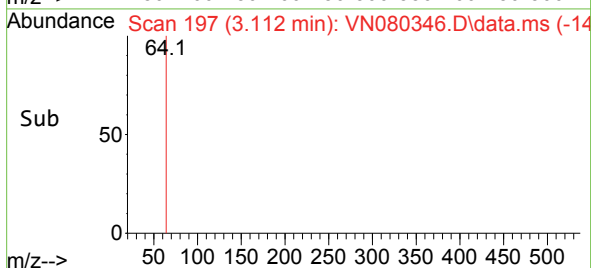
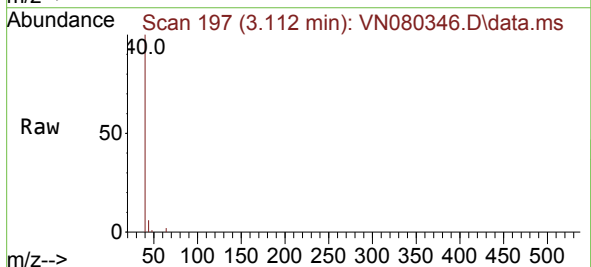
Instrument :
MSVOA_N
ClientSampleId :

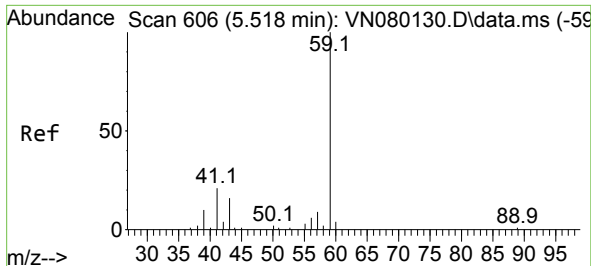
Tgt Ion:168 Resp: 153749
Ion Ratio Lower Upper
168 100
99 69.1 53.0 79.6



#6
Chloroethane
Concen: Below Cal
RT: 3.112 min Scan# 197
Delta R.T. -0.006 min
Lab File: VN080346.D
Acq: 04 Dec 2023 18:20

Tgt Ion: 64 Resp: 532
Ion Ratio Lower Upper
64 100
66 0.0 25.4 38.2#

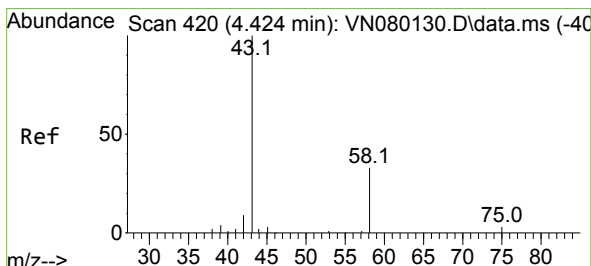
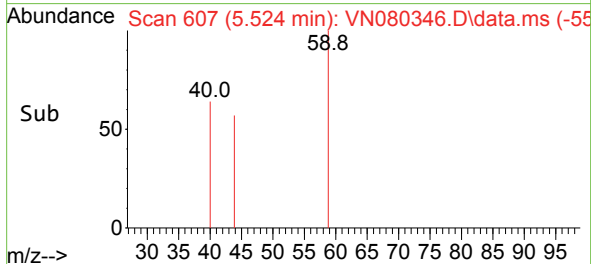
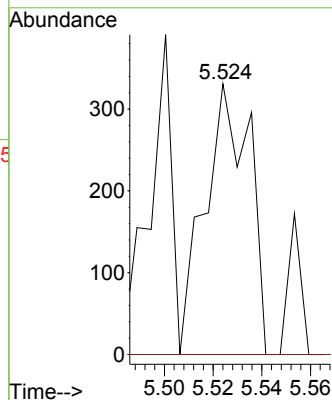
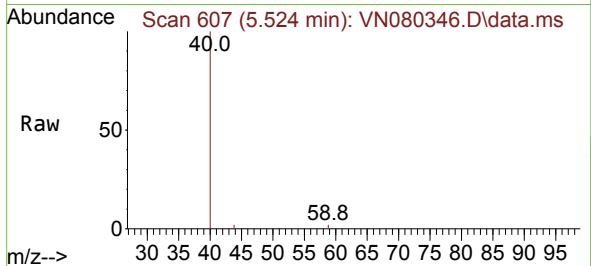




#11
Tert butyl alcohol
Concen: 1.515 ug/l
RT: 5.524 min Scan# 606
Delta R.T. 0.006 min
Lab File: VN080346.D
Acq: 04 Dec 2023 18:20

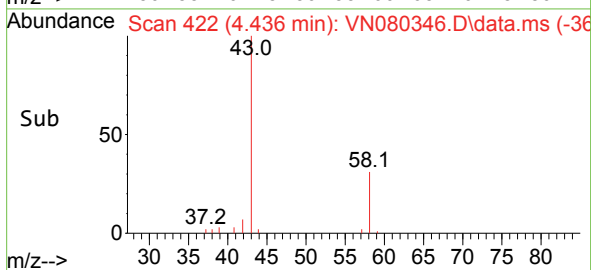
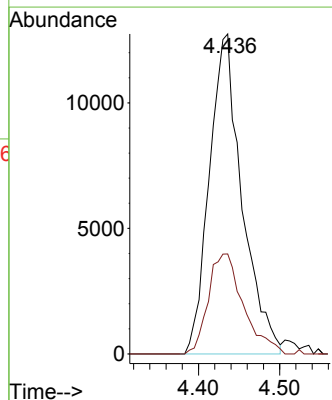
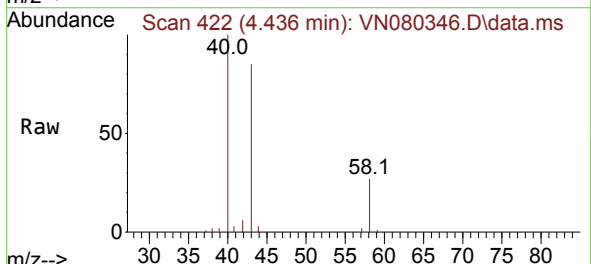
Instrument :
MSVOA_N
ClientSampleId :

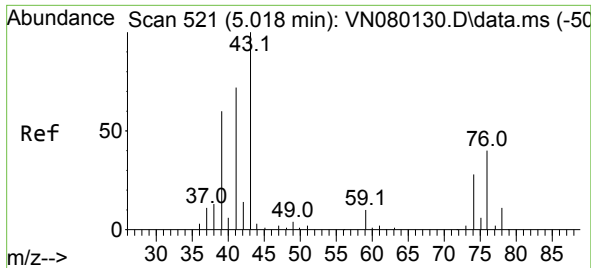
Tgt Ion: 59 Resp: 423
Ion Ratio Lower Upper
59 100
57 0.0 8.2 12.4#



#16
Acetone
Concen: 41.786 ug/l
RT: 4.436 min Scan# 422
Delta R.T. 0.012 min
Lab File: VN080346.D
Acq: 04 Dec 2023 18:20

Tgt Ion: 43 Resp: 35630
Ion Ratio Lower Upper
43 100
58 31.2 28.0 42.0

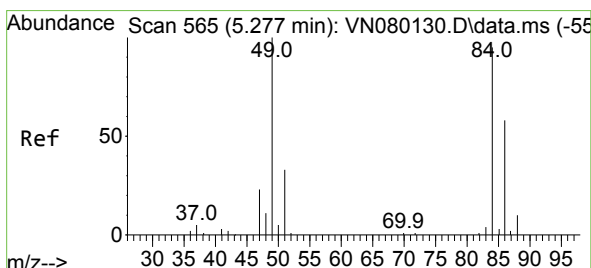
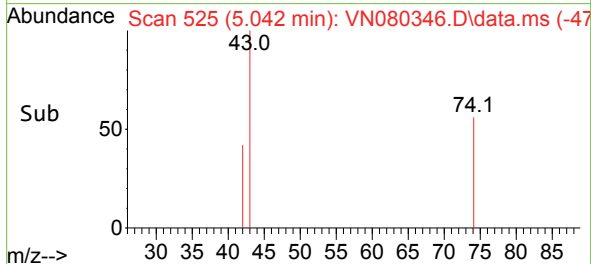
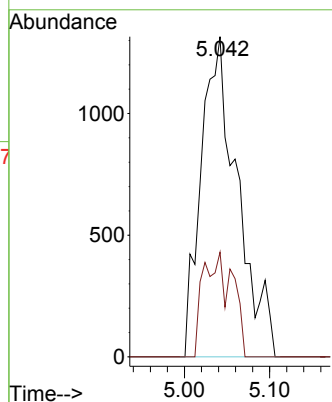
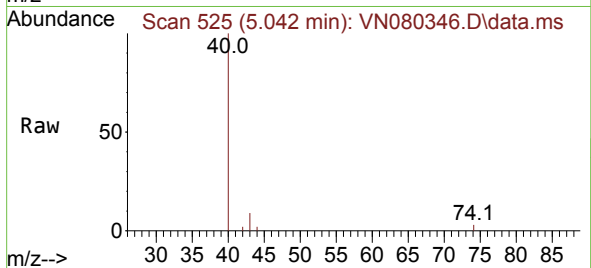




#18
Methyl Acetate
Concen: 1.422 ug/l
RT: 5.042 min Scan# 51
Delta R.T. 0.024 min
Lab File: VN080346.D
Acq: 04 Dec 2023 18:20

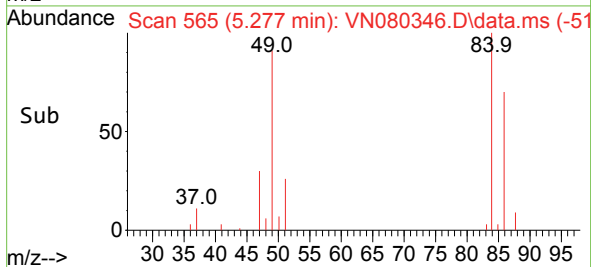
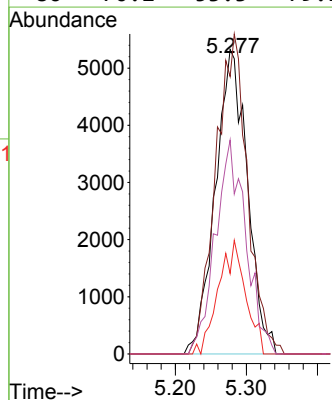
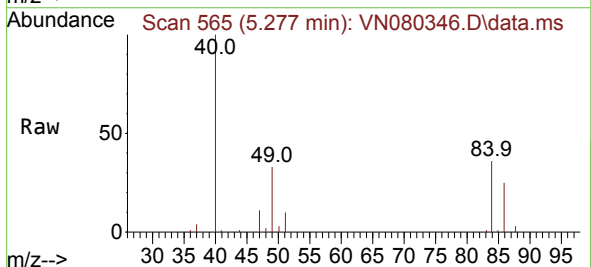
Instrument :
MSVOA_N
ClientSampleId :

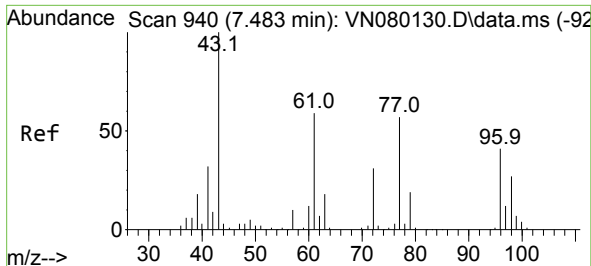
Tgt Ion: 43 Resp: 3897
Ion Ratio Lower Upper
43 100
74 18.1 26.2 39.4#



#20
Methylene Chloride
Concen: 9.313 ug/l
RT: 5.277 min Scan# 565
Delta R.T. -0.000 min
Lab File: VN080346.D
Acq: 04 Dec 2023 18:20

Tgt Ion: 84 Resp: 16630
Ion Ratio Lower Upper
84 100
49 91.1 79.7 119.5
51 26.5 25.2 37.8
86 70.2 53.3 79.9

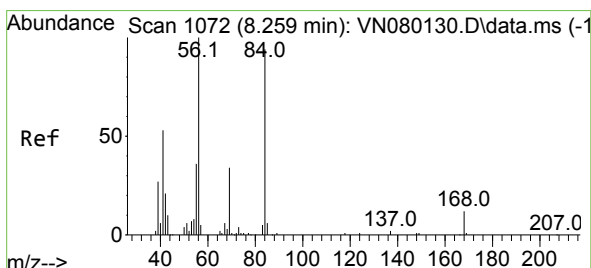
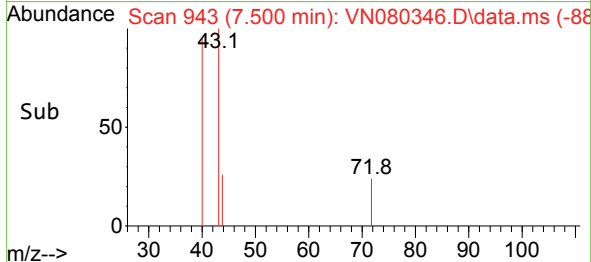
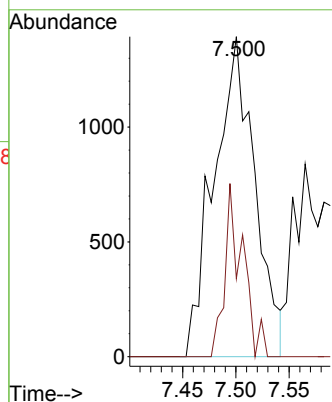
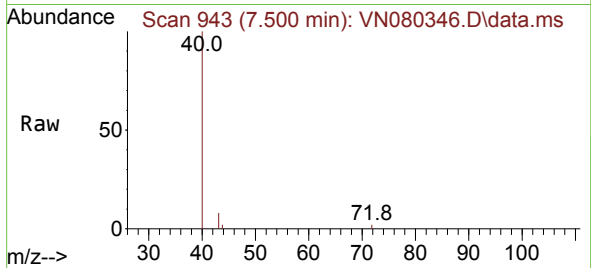




#25
2-Butanone
Concen: 3.643 ug/l
RT: 7.500 min Scan# 940
Delta R.T. 0.018 min
Lab File: VN080346.D
Acq: 04 Dec 2023 18:20

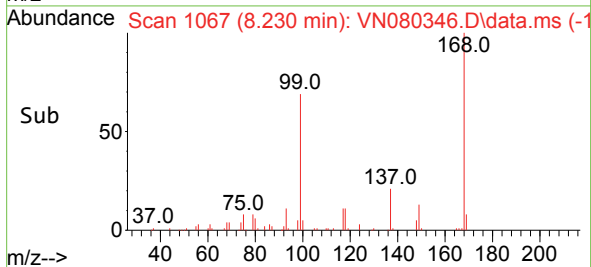
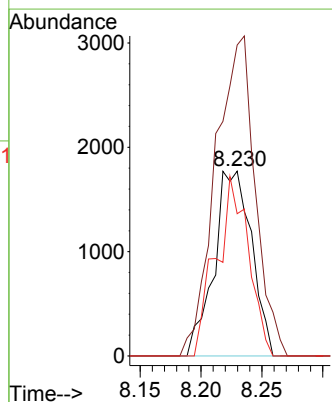
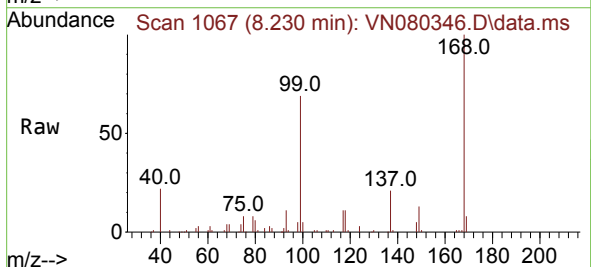
Instrument :
MSVOA_N
ClientSampleId :

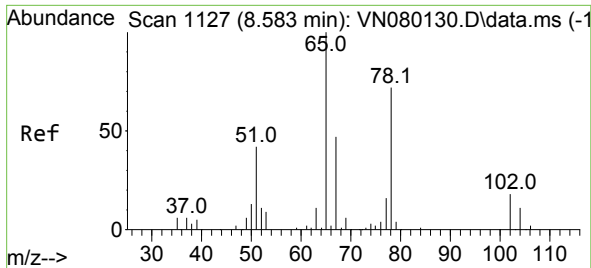
Tgt Ion: 43 Resp: 3691
Ion Ratio Lower Upper
43 100
72 24.4 30.2 45.2#



#31
Cyclohexane
Concen: 1.377 ug/l
RT: 8.230 min Scan# 1067
Delta R.T. -0.029 min
Lab File: VN080346.D
Acq: 04 Dec 2023 18:20

Tgt Ion: 56 Resp: 3803
Ion Ratio Lower Upper
56 100
69 168.2 26.8 40.2#
84 77.0 81.8 122.6#

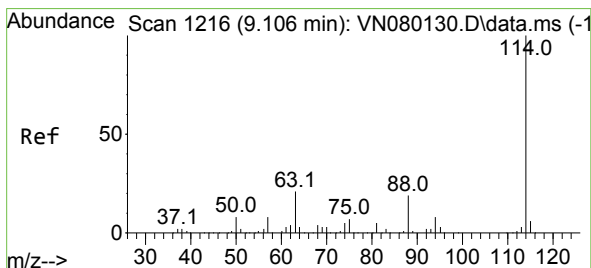
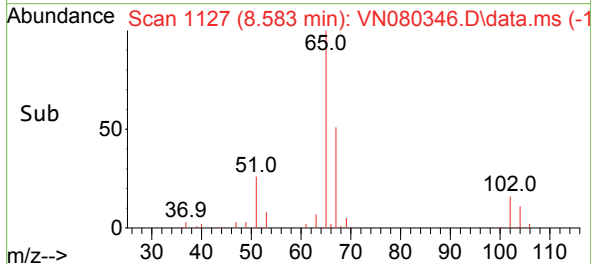
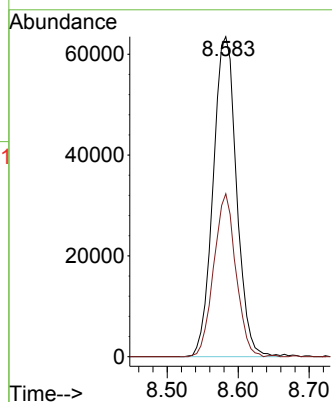
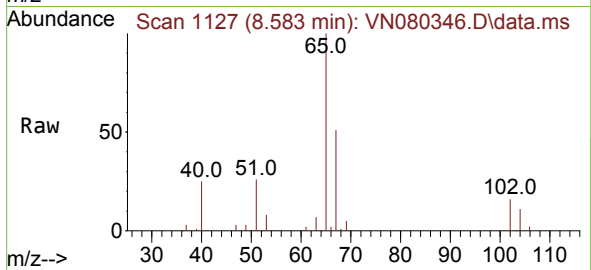




#33
 1,2-Dichloroethane-d4
 Concen: 57.150 ug/l
 RT: 8.583 min Scan# 1127
 Delta R.T. 0.000 min
 Lab File: VN080346.D
 Acq: 04 Dec 2023 18:20

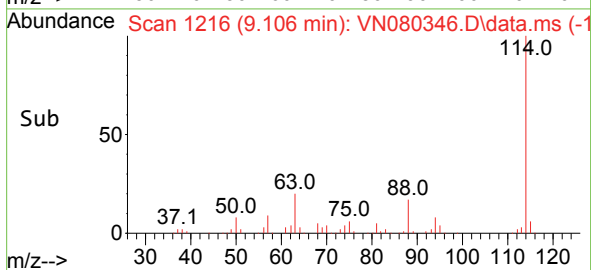
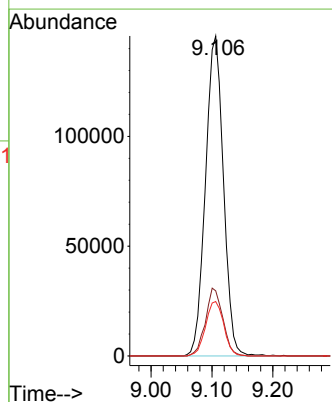
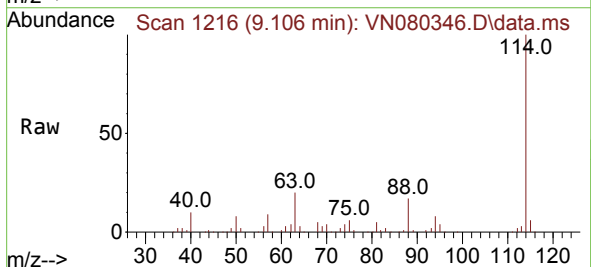
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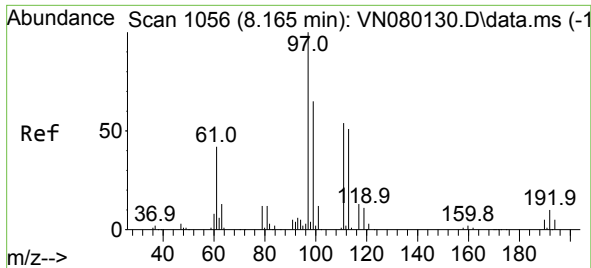
Tgt Ion: 65 Resp: 145083
 Ion Ratio Lower Upper
 65 100
 67 48.2 0.0 106.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 9.106 min Scan# 1216
 Delta R.T. 0.000 min
 Lab File: VN080346.D
 Acq: 04 Dec 2023 18:20

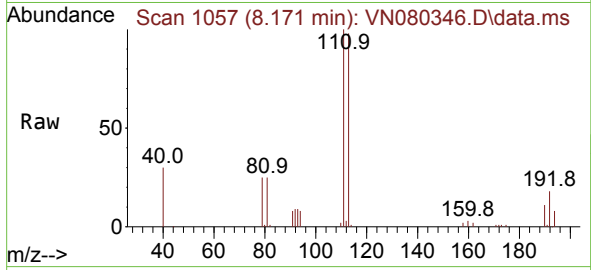
Tgt Ion: 114 Resp: 298518
 Ion Ratio Lower Upper
 114 100
 63 20.4 0.0 36.4
 88 17.0 0.0 30.6



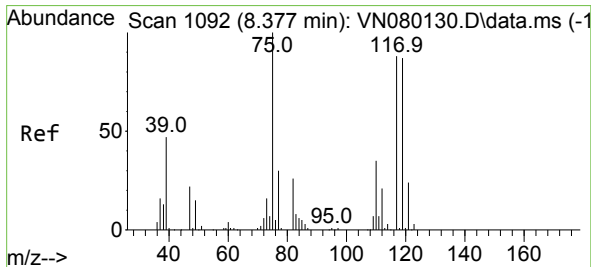
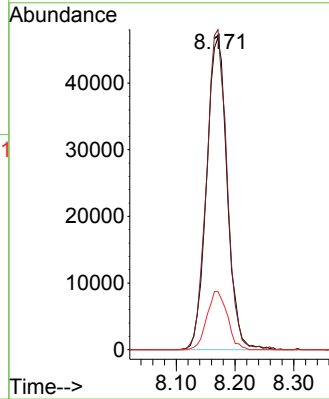
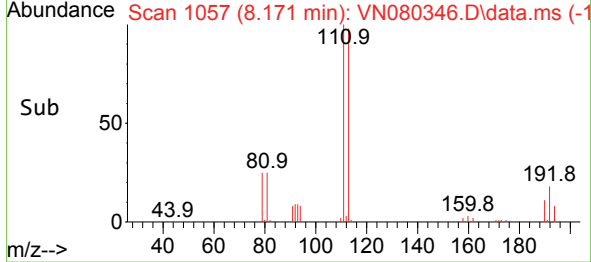


#35
Dibromofluoromethane
Concen: 51.765 ug/l
RT: 8.171 min Scan# 1056
Delta R.T. 0.006 min
Lab File: VN080346.D
Acq: 04 Dec 2023 18:20

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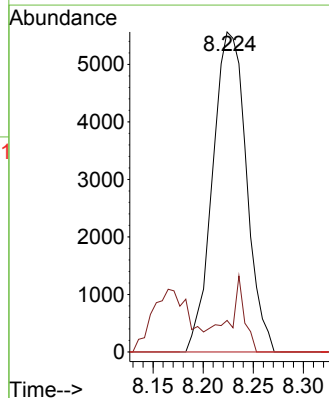
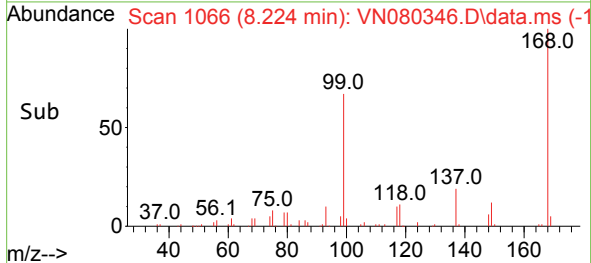
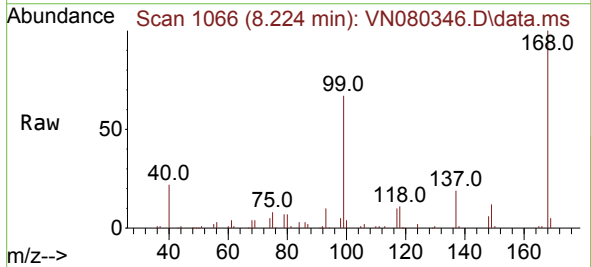


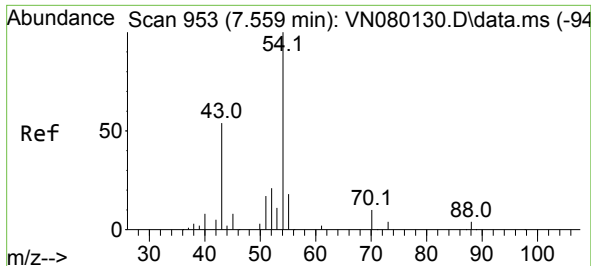
Tgt Ion:113 Resp: 114021
Ion Ratio Lower Upper
113 100
111 101.7 82.6 123.8
192 18.5 12.7 19.1



#36
1,1-Dichloropropene
Concen: 4.084 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. -0.153 min
Lab File: VN080346.D
Acq: 04 Dec 2023 18:20

Tgt Ion: 75 Resp: 13025
Ion Ratio Lower Upper
75 100
110 11.1 19.1 57.3#
77 0.0 25.0 37.4#

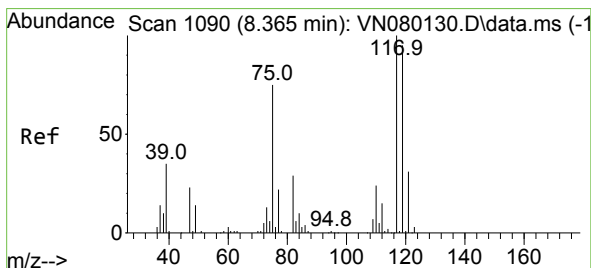
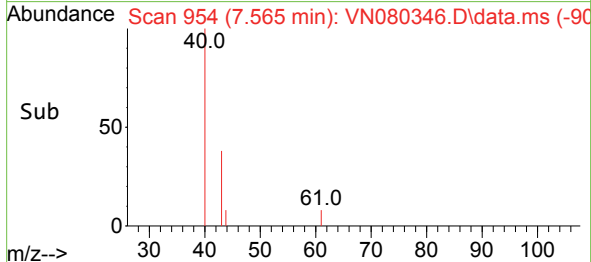
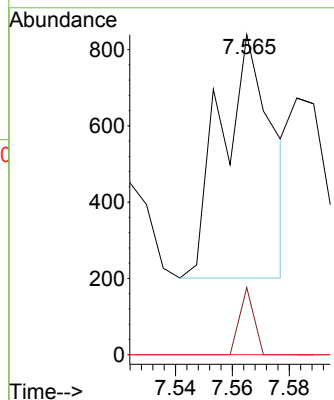
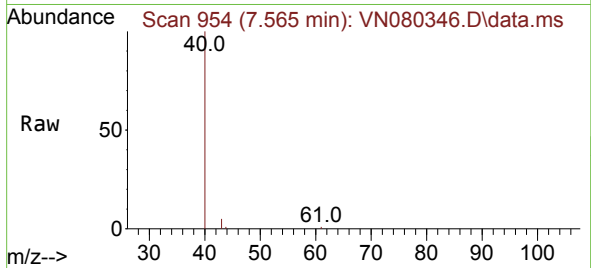




#37
Ethyl Acetate
Concen: 0.362 ug/l
RT: 7.565 min Scan# 91
Delta R.T. 0.006 min
Lab File: VN080346.D
Acq: 04 Dec 2023 18:20

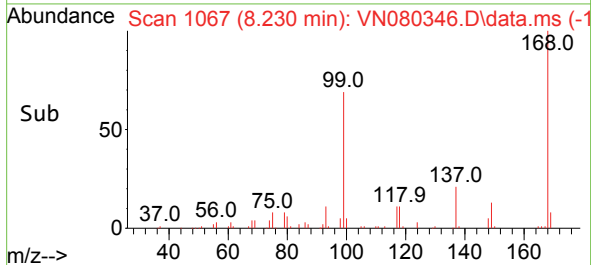
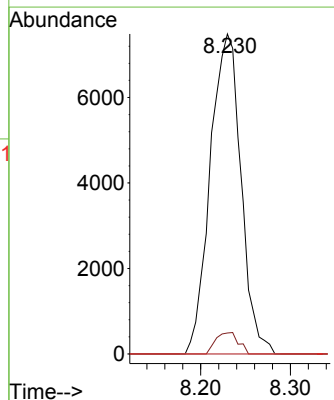
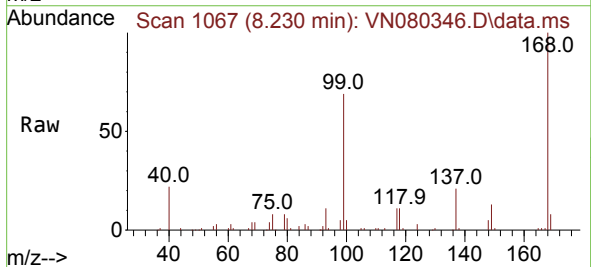
Instrument :
MSVOA_N
ClientSampleId :

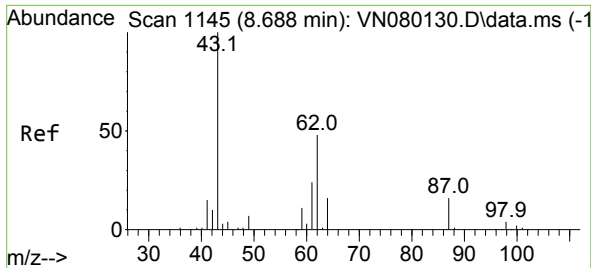
Tgt Ion: 43 Resp: 800
Ion Ratio Lower Upper
43 100
61 7.8 13.2 19.8#
70 0.0 11.3 16.9#



#38
Carbon Tetrachloride
Concen: 4.405 ug/l
RT: 8.230 min Scan# 1067
Delta R.T. -0.135 min
Lab File: VN080346.D
Acq: 04 Dec 2023 18:20

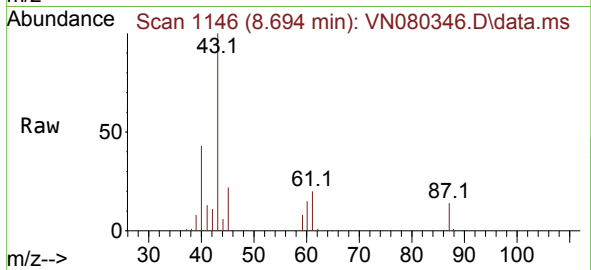
Tgt Ion: 117 Resp: 17825
Ion Ratio Lower Upper
117 100
119 6.6 77.3 115.9#
121 0.0 23.3 34.9#



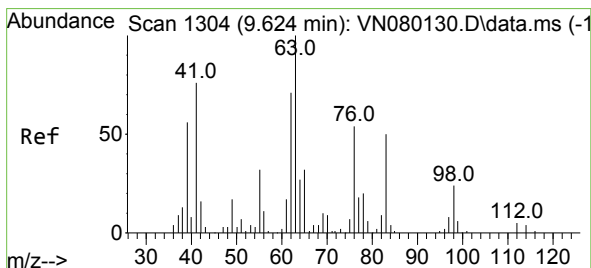
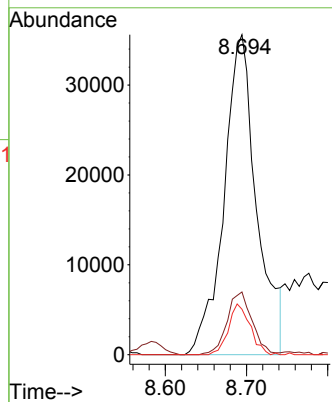
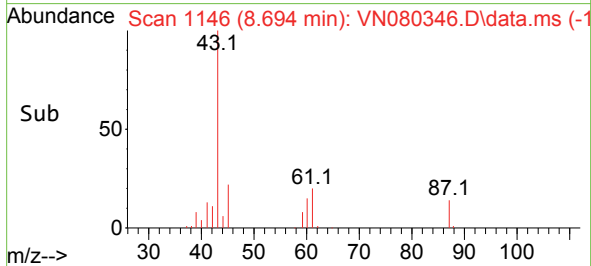


#43
Isopropyl Acetate
Concen: 23.180 ug/l
RT: 8.694 min Scan# 1146
Delta R.T. 0.006 min
Lab File: VN080346.D
Acq: 04 Dec 2023 18:20

Instrument :
MSVOA_N
ClientSampleId :

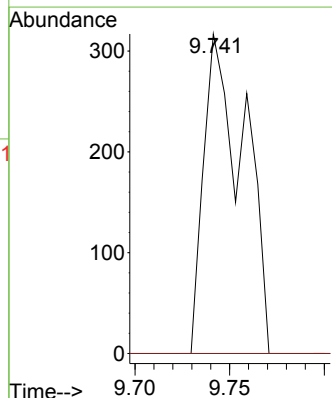
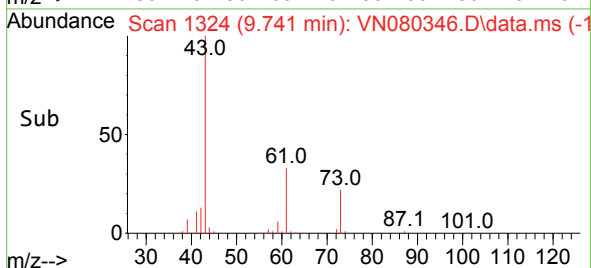
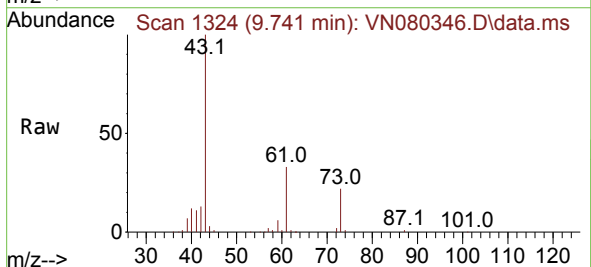


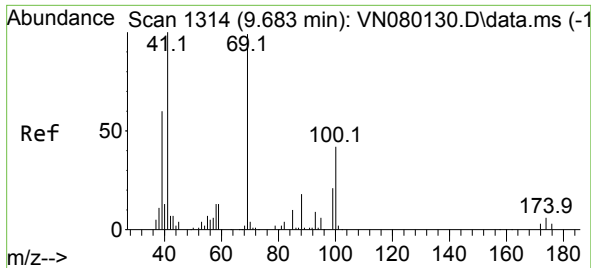
Tgt Ion: 43 Resp: 99779
Ion Ratio Lower Upper
43 100
61 15.0 24.7 37.1#
87 10.5 14.6 21.8#



#45
1,2-Dichloropropane
Concen: 0.222 ug/l
RT: 9.741 min Scan# 1324
Delta R.T. 0.118 min
Lab File: VN080346.D
Acq: 04 Dec 2023 18:20

Tgt Ion: 63 Resp: 467
Ion Ratio Lower Upper
63 100
65 0.0 23.9 35.9#

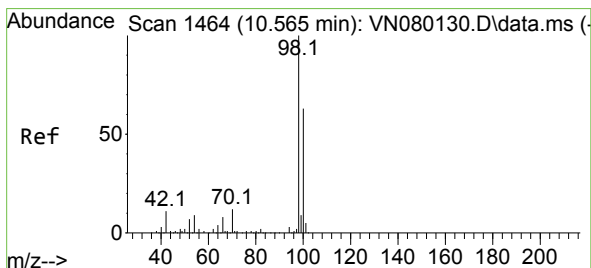
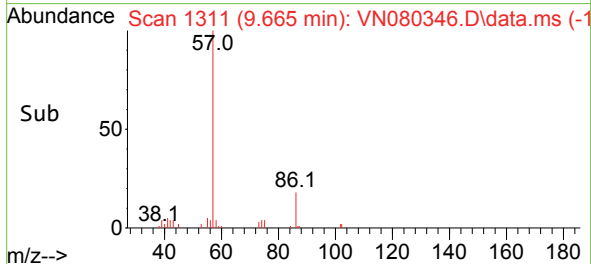
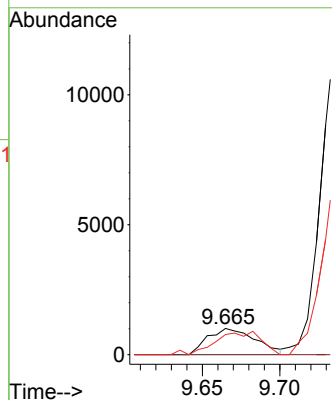
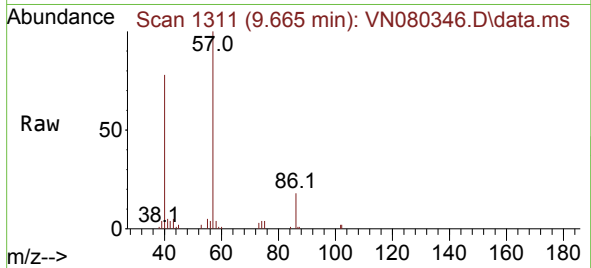




#48
Methyl methacrylate
Concen: 0.976 ug/l
RT: 9.665 min Scan# 11
Delta R.T. -0.018 min
Lab File: VN080346.D
Acq: 04 Dec 2023 18:20

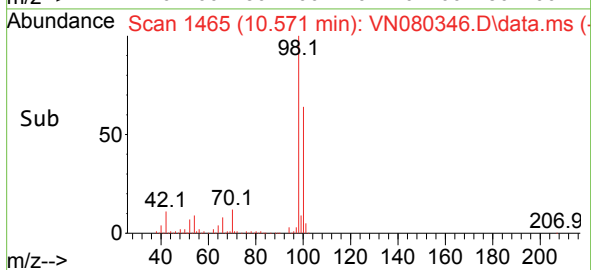
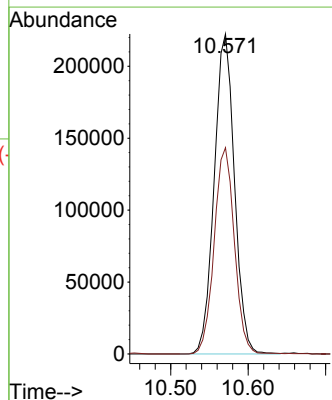
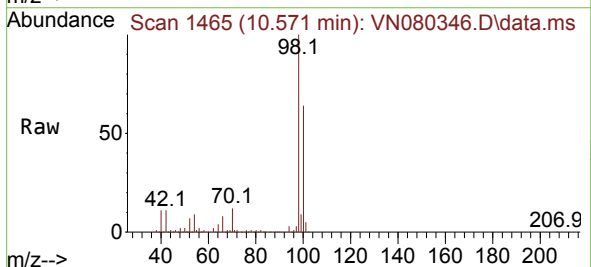
Instrument :
MSVOA_N
ClientSampleId :

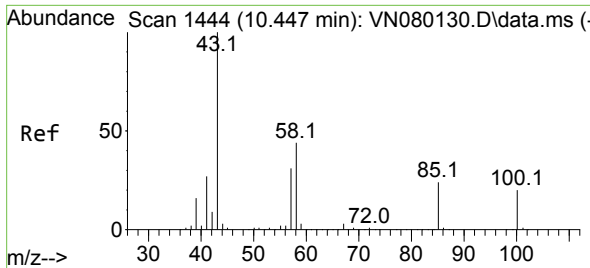
Tgt Ion: 41 Resp: 2165
Ion Ratio Lower Upper
41 100
69 0.0 90.4 135.6#
39 84.3 54.6 81.8#



#50
Toluene-d8
Concen: 50.911 ug/l
RT: 10.571 min Scan# 1465
Delta R.T. 0.006 min
Lab File: VN080346.D
Acq: 04 Dec 2023 18:20

Tgt Ion: 98 Resp: 404244
Ion Ratio Lower Upper
98 100
100 64.2 52.0 78.0

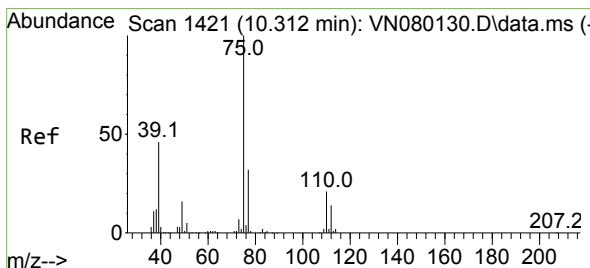
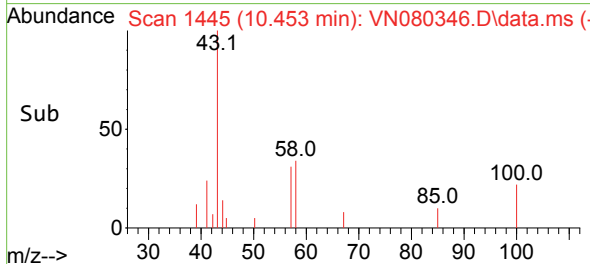
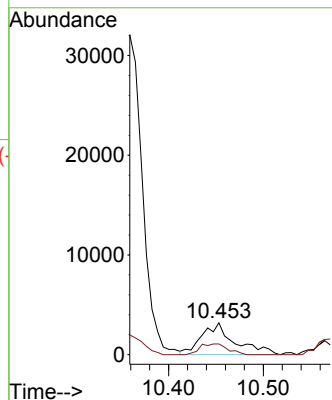
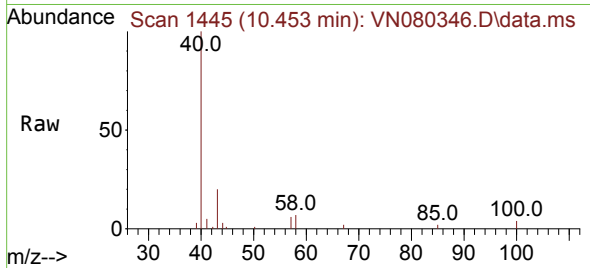




#51
4-Methyl-2-Pentanone
Concen: 3.455 ug/l
RT: 10.453 min Scan# 1445
Delta R.T. 0.006 min
Lab File: VN080346.D
Acq: 04 Dec 2023 18:20

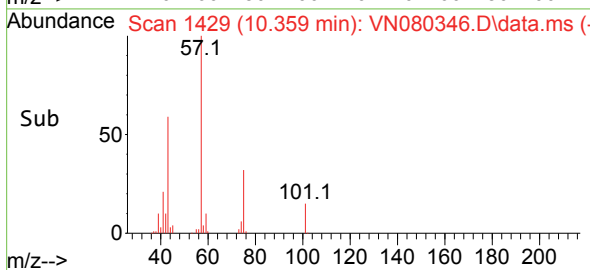
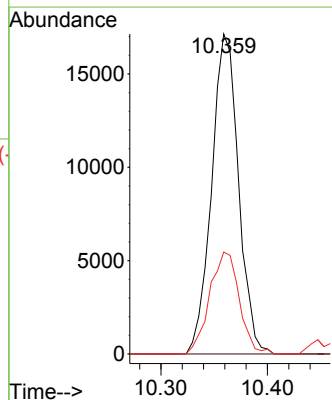
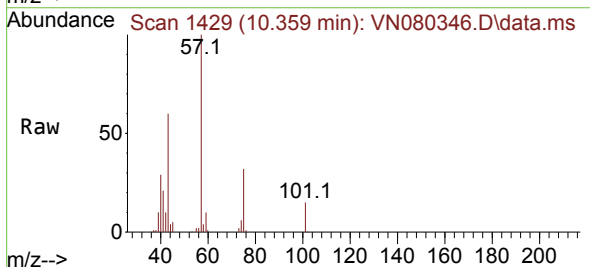
Instrument :
MSVOA_N
ClientSampleId :

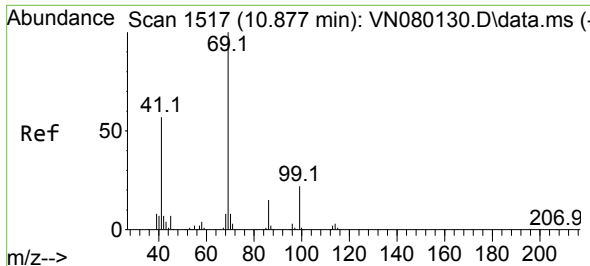
Tgt Ion: 43 Resp: 7699
Ion Ratio Lower Upper
43 100
58 28.8 36.6 54.8#



#54
cis-1,3-Dichloropropene
Concen: 8.162 ug/l
RT: 10.359 min Scan# 1429
Delta R.T. 0.047 min
Lab File: VN080346.D
Acq: 04 Dec 2023 18:20

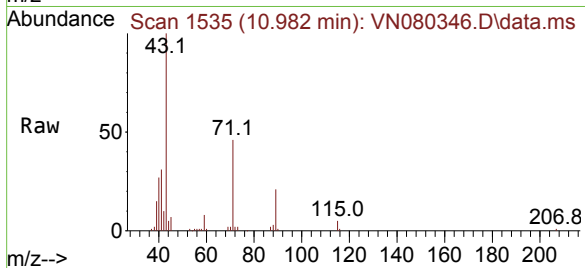
Tgt Ion: 75 Resp: 30047
Ion Ratio Lower Upper
75 100
77 0.0 26.1 39.1#
39 31.9 31.6 47.4



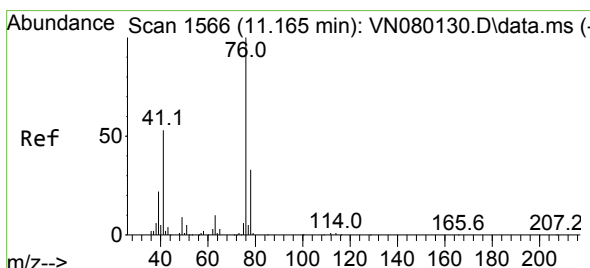
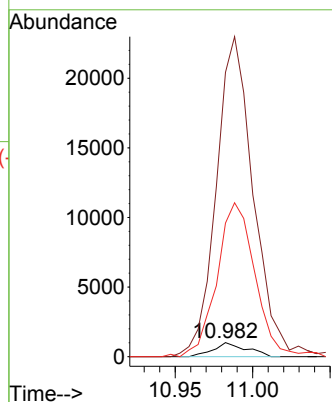
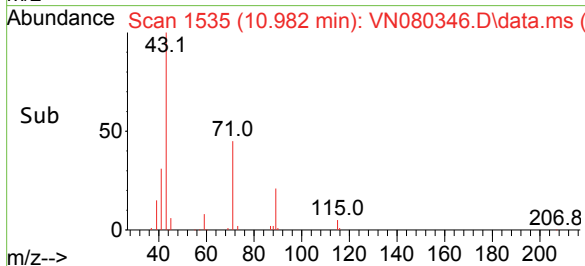


#56
Ethyl methacrylate
Concen: 0.678 ug/l
RT: 10.982 min Scan# 1535
Delta R.T. 0.106 min
Lab File: VN080346.D
Acq: 04 Dec 2023 18:20

Instrument :
MSVOA_N
ClientSampleId :

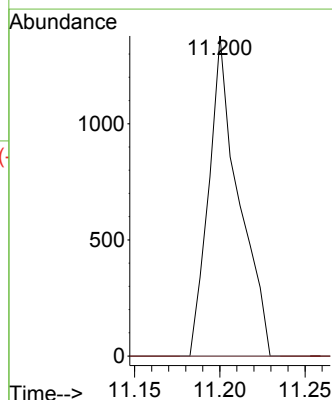
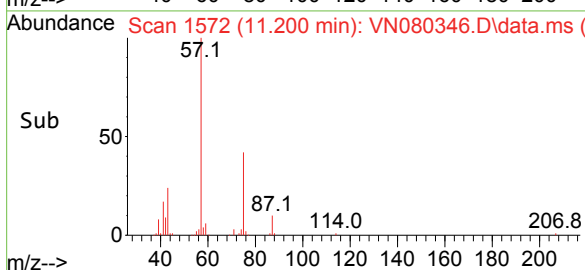
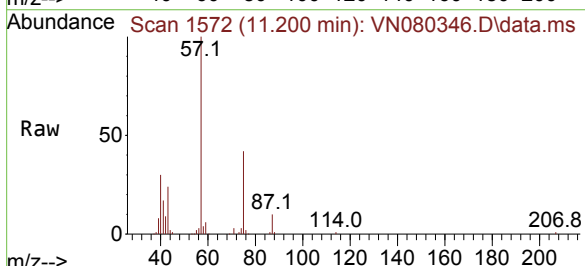


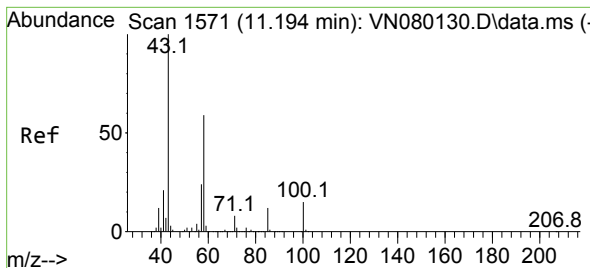
Tgt Ion: 69 Resp: 1499
Ion Ratio Lower Upper
69 100
41 2557.2 39.6 59.4#
39 1266.4 28.6 43.0#



#57
1,3-Dichloropropane
Concen: 0.445 ug/l
RT: 11.200 min Scan# 1572
Delta R.T. 0.035 min
Lab File: VN080346.D
Acq: 04 Dec 2023 18:20

Tgt Ion: 76 Resp: 1682
Ion Ratio Lower Upper
76 100
78 0.0 26.1 39.1#

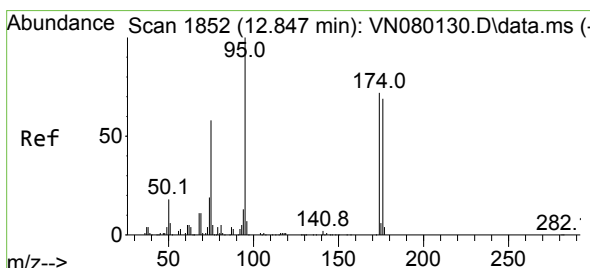
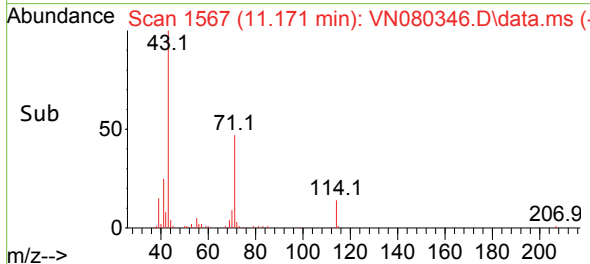
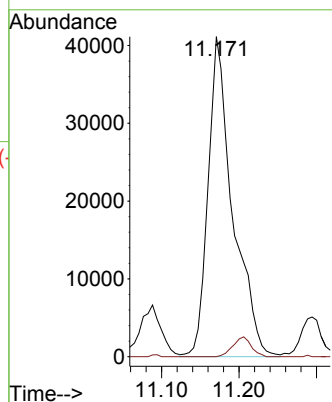
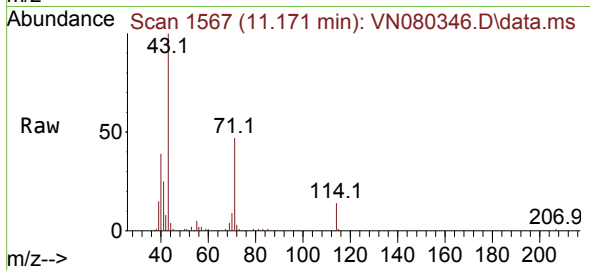




#59
2-Hexanone
Concen: 50.855 ug/l
RT: 11.171 min Scan# 1567
Delta R.T. -0.024 min
Lab File: VN080346.D
Acq: 04 Dec 2023 18:20

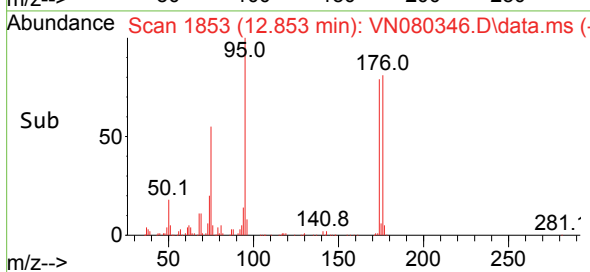
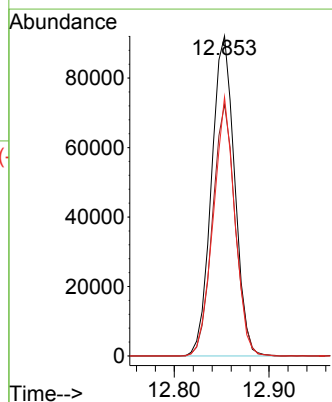
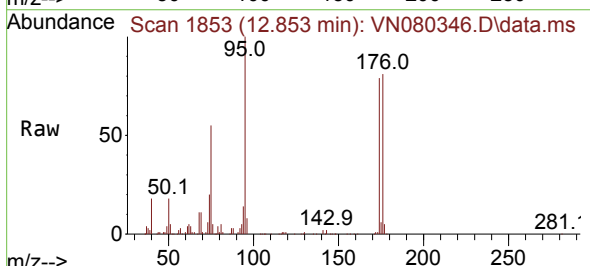
Instrument :
MSVOA_N
ClientSampleId :

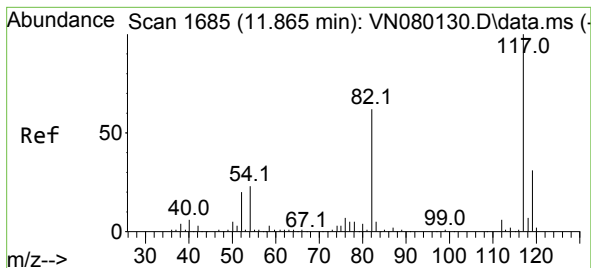
Tgt Ion: 43 Resp: 91071
Ion Ratio Lower Upper
43 100
58 0.0 31.7 95.1#



#62
4-Bromofluorobenzene
Concen: 51.984 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. 0.006 min
Lab File: VN080346.D
Acq: 04 Dec 2023 18:20

Tgt Ion: 95 Resp: 155908
Ion Ratio Lower Upper
95 100
174 77.1 0.0 143.8
176 75.5 0.0 135.8

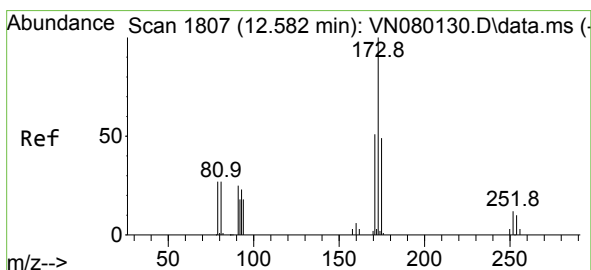
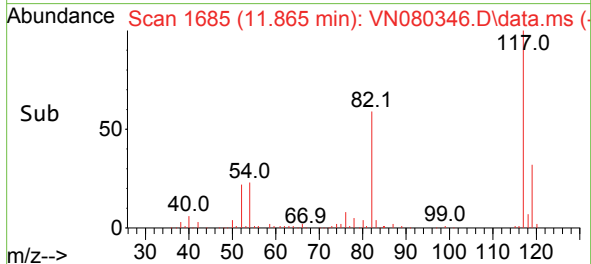
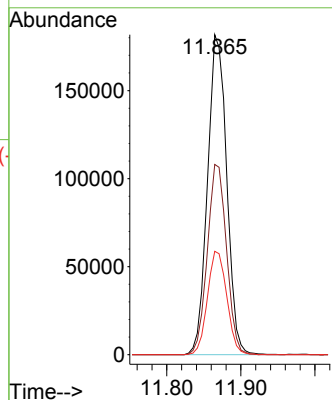
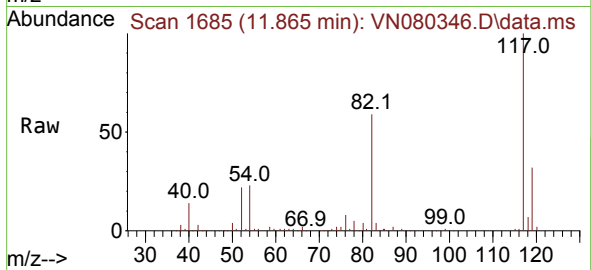




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 117
Delta R.T. 0.000 min
Lab File: VN080346.D
Acq: 04 Dec 2023 18:20

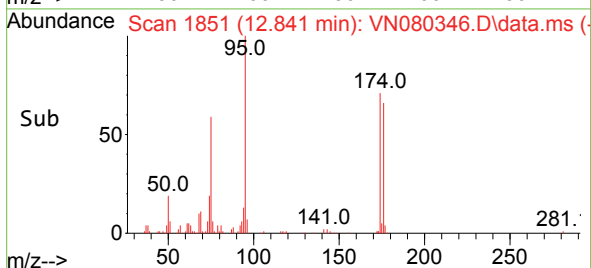
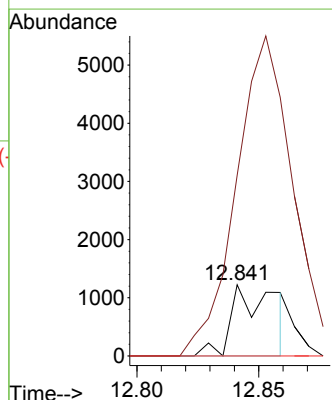
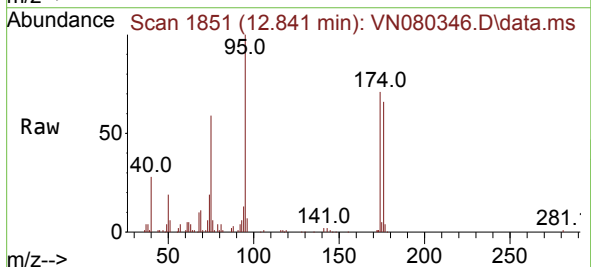
Instrument :
MSVOA_N
ClientSampleId :

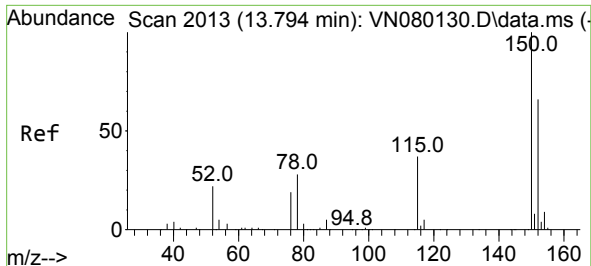
Tgt Ion:117 Resp: 326687
Ion Ratio Lower Upper
117 100
82 59.4 44.0 66.0
119 32.3 25.6 38.4



#71
Bromoform
Concen: 0.713 ug/l
RT: 12.841 min Scan# 1851
Delta R.T. 0.259 min
Lab File: VN080346.D
Acq: 04 Dec 2023 18:20

Tgt Ion:173 Resp: 1518
Ion Ratio Lower Upper
173 100
175 468.8 24.3 73.0#
254 0.0 0.0 0.0

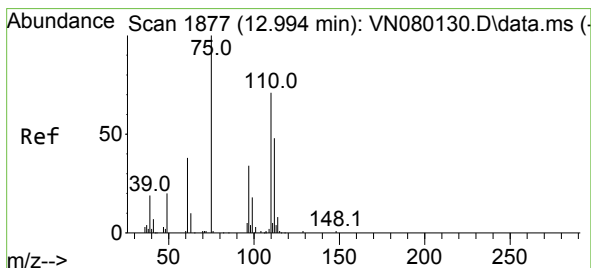
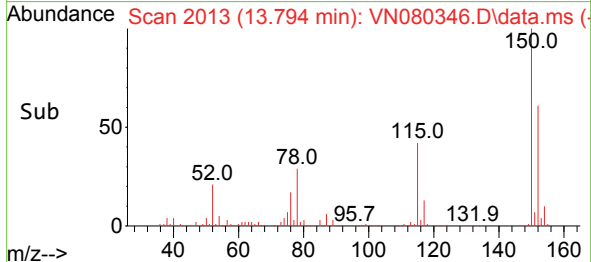
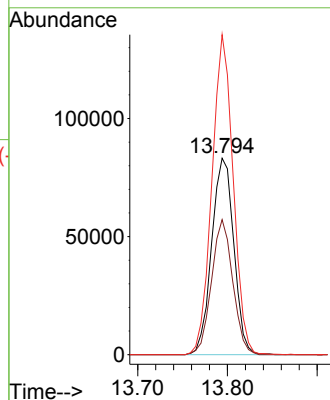
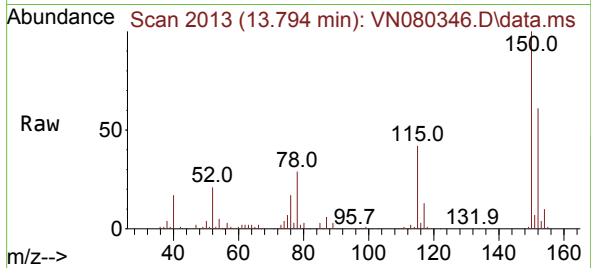




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.794 min Scan# 20
 Delta R.T. 0.000 min
 Lab File: VN080346.D
 Acq: 04 Dec 2023 18:20

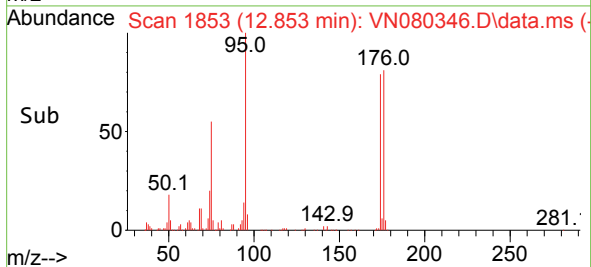
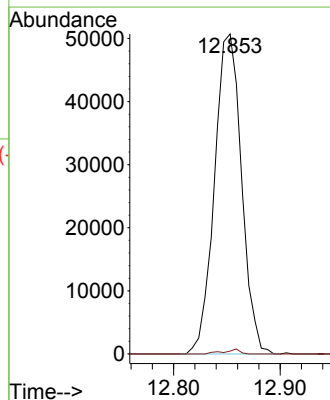
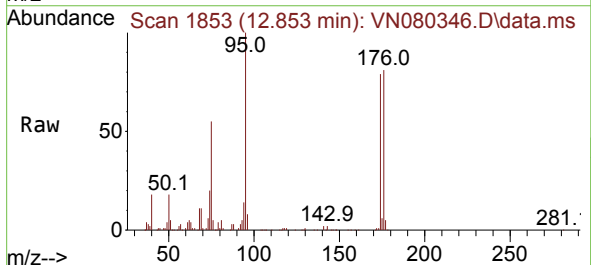
Instrument :
 MSVOA_N
 ClientSampleId :

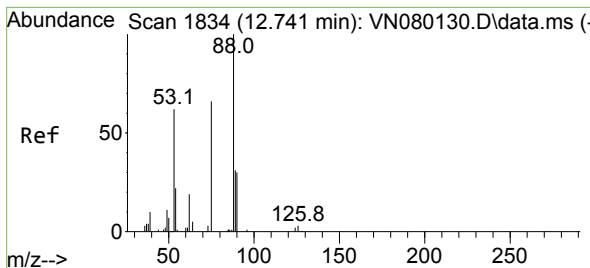
Tgt Ion:152 Resp: 142573
 Ion Ratio Lower Upper
 152 100
 115 65.9 32.3 96.8
 150 155.9 0.0 355.8



#76
 1,2,3-Trichloropropane
 Concen: 25.552 ug/l
 RT: 12.853 min Scan# 1853
 Delta R.T. -0.141 min
 Lab File: VN080346.D
 Acq: 04 Dec 2023 18:20

Tgt Ion: 75 Resp: 89261
 Ion Ratio Lower Upper
 75 100
 77 0.9 84.5 253.5#

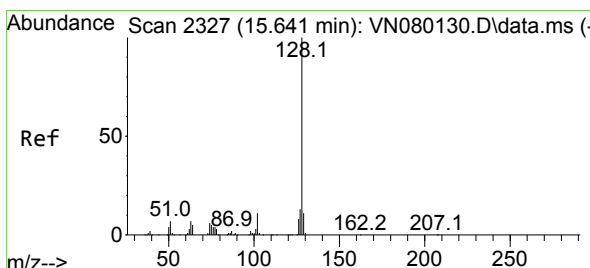
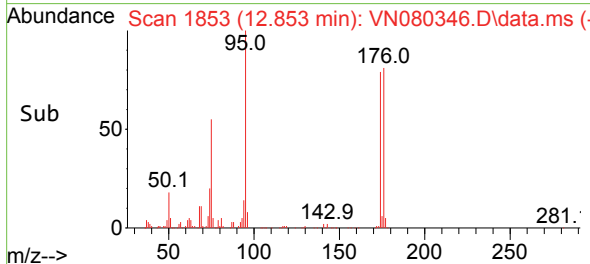
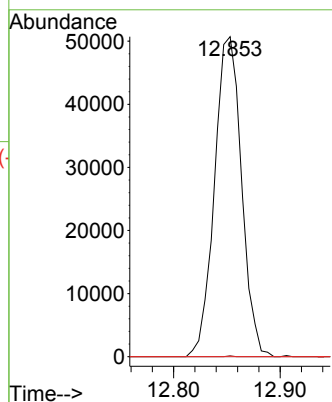
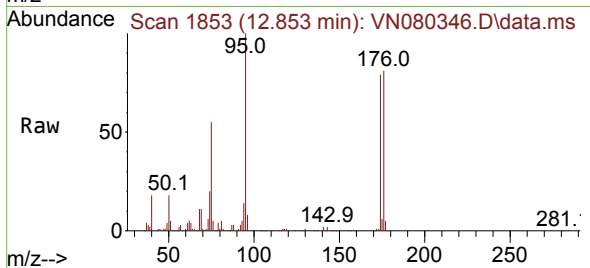




#81
 trans-1,4-Dichloro-2-butene
 Concen: 86.330 ug/l
 RT: 12.853 min Scan# 1853
 Delta R.T. 0.112 min
 Lab File: VN080346.D
 Acq: 04 Dec 2023 18:20

Instrument :
 MSVOA_N
 ClientSampleId :

Tgt Ion: 75 Resp: 89261
 Ion Ratio Lower Upper
 75 100
 53 0.1 67.4 101.2#
 89 0.0 38.8 58.2#



#95
 Naphthalene
 Concen: 0.710 ug/l
 RT: 15.641 min Scan# 2327
 Delta R.T. 0.000 min
 Lab File: VN080346.D
 Acq: 04 Dec 2023 18:20

Tgt Ion: 128 Resp: 5768
 Ion Ratio Lower Upper
 128 100
 127 14.3 10.0 15.0
 129 6.3 8.7 13.1#

