

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN121523\
 Data File : VN080500.D
 Acq On : 15 Dec 2023 14:00
 Operator : JC\MD
 Sample : 05829-05
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Dec 16 02:51:50 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N121223W.M
 Quant Title : SW846 8260
 QLast Update : Wed Dec 13 01:57:14 2023
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	8.224	168	213947	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	391520	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	394371	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	179983	50.000	ug/l	# 0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.577	65	144189	52.766	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	= 105.540%	
35) Dibromofluoromethane	8.165	113	120243	48.438	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 96.880%	
50) Toluene-d8	10.571	98	446604	48.240	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	= 96.480%	
62) 4-Bromofluorobenzene	12.847	95	181428	51.608	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	= 103.220%	

Target Compounds					Qvalue	
3) Chloromethane	2.365	50	3783	0.928	ug/l	96
5) Bromomethane	2.983	94	444	0.422	ug/l #	73
6) Chloroethane	3.130	64	313	0.209	ug/l #	43
11) Tert butyl alcohol	5.512	59	457	1.420	ug/l #	72
13) Acrolein	4.142	56	1408	3.995	ug/l #	1
14) Allyl chloride	5.277	41	39761	13.973	ug/l #	52
15) Acrylonitrile	5.818	53	12756	14.028	ug/l #	38
16) Acetone	4.424	43	78022	161.030	ug/l	90
17) Carbon Disulfide	4.700	76	1620	0.249	ug/l #	75
18) Methyl Acetate	5.277	43	78140	25.064	ug/l #	42
19) Methyl tert-butyl Ether	5.794	73	27209	3.546	ug/l #	1
20) Methylene Chloride	5.271	84	2066	0.797	ug/l #	1
24) 1,1-Dichloroethane	6.653	63	1412	0.330	ug/l #	81
25) 2-Butanone	7.482	43	7609	8.152	ug/l	94
26) 2,2-Dichloropropane	7.324	77	3146	0.718	ug/l #	53
28) Bromochloromethane	8.000	49	635	0.386	ug/l #	5
29) Tetrahydrofuran	7.853	42	135	0.202	ug/l #	20
30) Chloroform	7.935	83	19145	4.025	ug/l #	15
31) Cyclohexane	8.253	56	117843	31.712	ug/l #	93
36) 1,1-Dichloropropene	8.224	75	18280	4.504	ug/l #	49
37) Ethyl Acetate	7.482	43	7609	2.994	ug/l #	76
38) Carbon Tetrachloride	8.224	117	24991	5.153	ug/l #	15
39) Methylcyclohexane	9.600	83	141318	33.515	ug/l #	85
40) Benzene	8.606	78	490358	41.837	ug/l	100
41) Methacrylonitrile	7.753	41	853	0.582	ug/l #	15
43) Isopropyl Acetate	8.712	43	18003	3.939	ug/l #	49
45) 1,2-Dichloropropane	9.606	63	1726	0.627	ug/l #	1
47) Bromodichloromethane	9.871	83	9320	2.200	ug/l #	26
48) Methyl methacrylate	9.600	41	88261	32.363	ug/l #	44
51) 4-Methyl-2-Pentanone	10.441	43	3146	1.250	ug/l #	69
52) Toluene	10.629	92	25532	3.448	ug/l	97
55) 1,1,2-Trichloroethane	11.006	97	32677	12.265	ug/l #	21
56) Ethyl methacrylate	10.847	69	2005	0.680	ug/l #	1
58) 2-Chloroethyl Vinyl ether	10.159	63	1487	0.799	ug/l #	42
67) Ethyl Benzene	11.965	91	3952060	244.997	ug/l	96
68) m/p-Xylenes	12.076	106	1919736	322.060	ug/l	88

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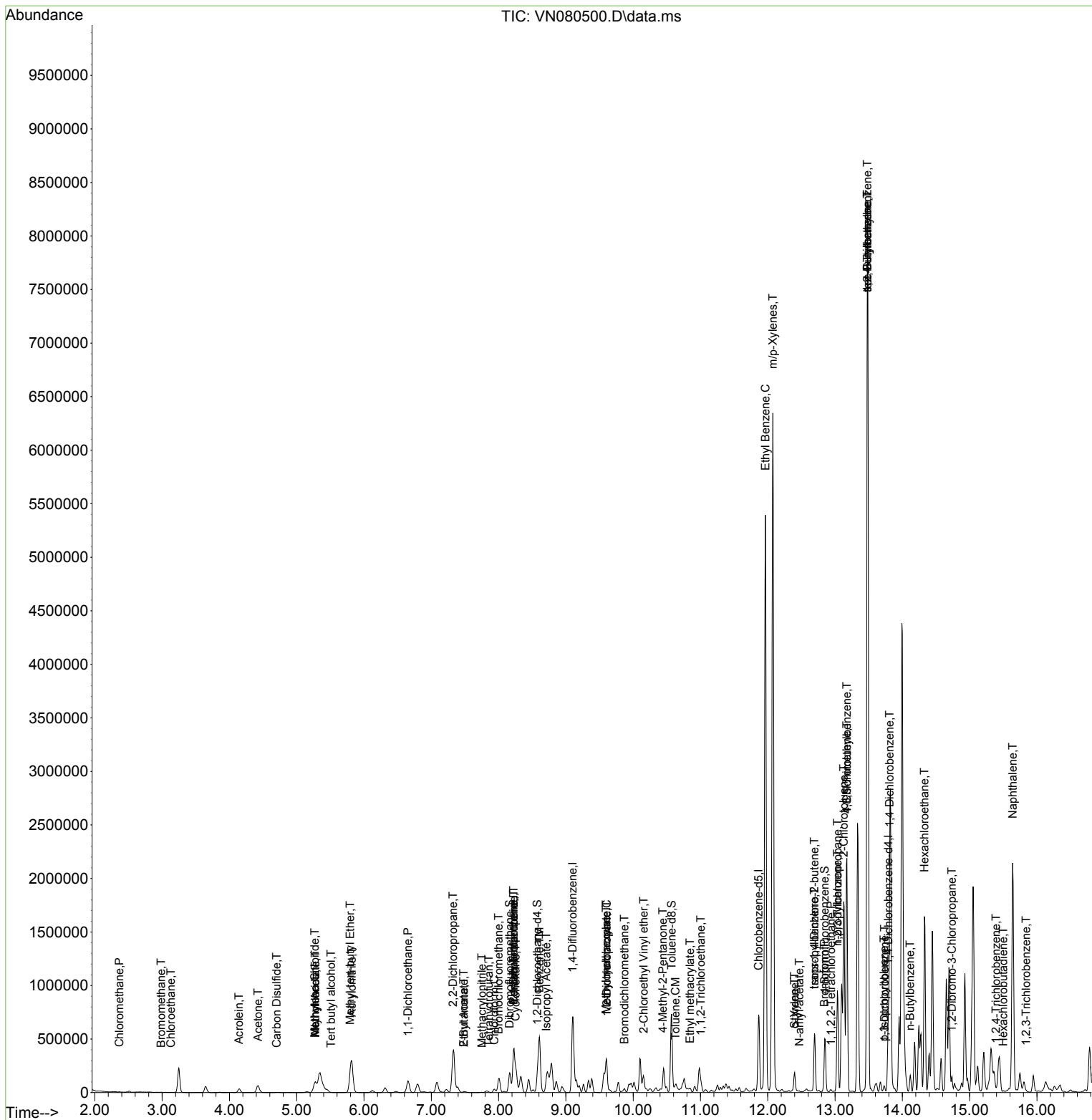
Quant Time: Dec 16 02:51:50 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N121223W.M
 Quant Title : SW846 8260
 QLast Update : Wed Dec 13 01:57:14 2023
 Response via : Initial Calibration

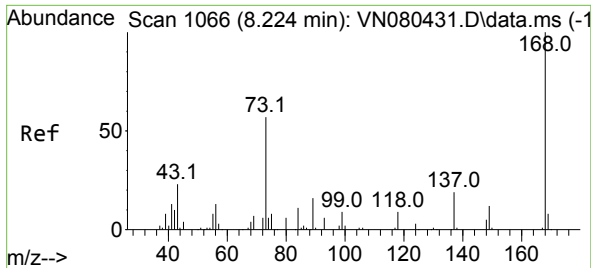
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

69) o-Xylene	12.400	106	44869	7.696	ug/l	85
70) Styrene	12.400	104	3712	0.442	ug/l #	1
71) Bromoform	12.841	173	586	0.233	ug/l #	28
73) Isopropylbenzene	12.694	105	359007	24.830	ug/l	98
74) N-amyl acetate	12.470	43	1805	0.428	ug/l #	47
75) 1,1,2,2-Tetrachloroethane	12.941	83	1894	0.489	ug/l #	48
76) 1,2,3-Trichloropropane	13.035	75	5963	1.661	ug/l #	1
78) n-propylbenzene	13.035	91	751227	47.124	ug/l	100
79) 2-Chlorotoluene	13.129	91	143427	13.781	ug/l #	43
80) 1,3,5-Trimethylbenzene	13.176	105	1246771	100.123	ug/l	96
81) trans-1,4-Dichloro-2-b...	12.694	75	4927	3.603	ug/l #	73
82) 4-Chlorotoluene	13.176	91	140042	13.091	ug/l #	41
83) tert-Butylbenzene	13.482	119	578780	56.754	ug/l #	57
84) 1,2,4-Trimethylbenzene	13.482	105	4884539	394.297	ug/l	98
85) sec-Butylbenzene	13.482	105	4884539	374.426	ug/l #	57
86) p-Isopropyltoluene	13.729	119	21979	1.866	ug/l #	75
87) 1,3-Dichlorobenzene	13.735	146	1491	0.238	ug/l #	1
88) 1,4-Dichlorobenzene	13.811	146	1749	0.276	ug/l #	1
89) n-Butylbenzene	14.117	91	17484	1.777	ug/l #	1
90) Hexachloroethane	14.329	117	87183	46.605	ug/l #	22
92) 1,2-Dibromo-3-Chloropr...	14.735	75	649	0.796	ug/l #	4
93) 1,2,4-Trichlorobenzene	15.394	180	2053	0.621	ug/l #	81
94) Hexachlorobutadiene	15.500	225	1881	1.000	ug/l	88
95) Naphthalene	15.641	128	1976552	197.011	ug/l	99
96) 1,2,3-Trichlorobenzene	15.841	180	2194	0.688	ug/l #	83

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

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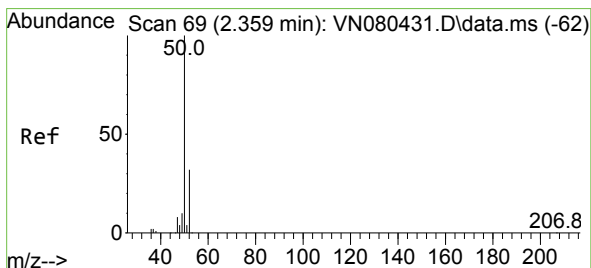
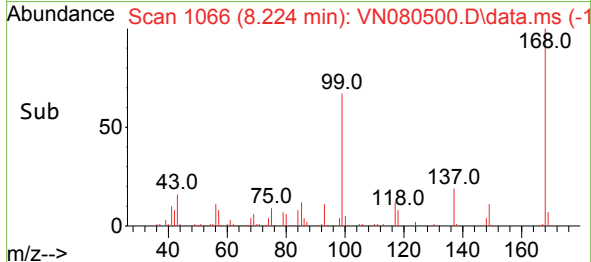
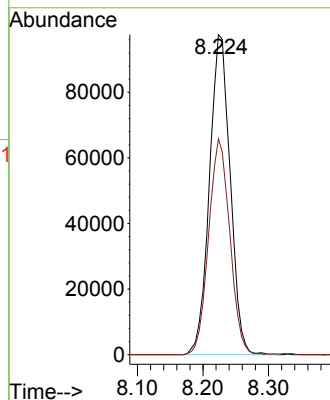
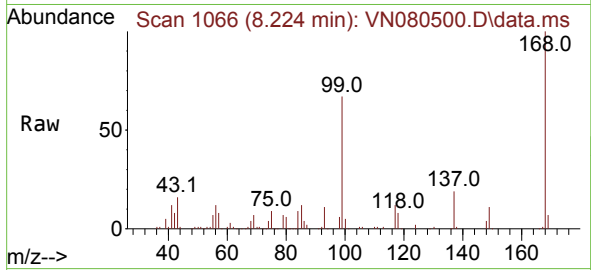




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. -0.000 min
Lab File: VN080500.D
Acq: 15 Dec 2023 14:00

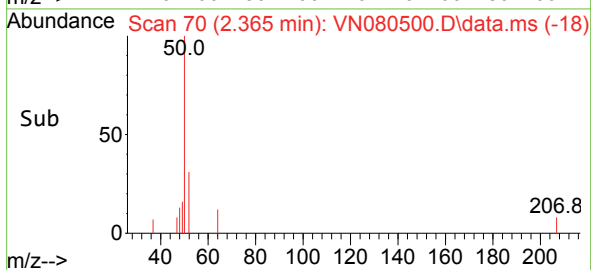
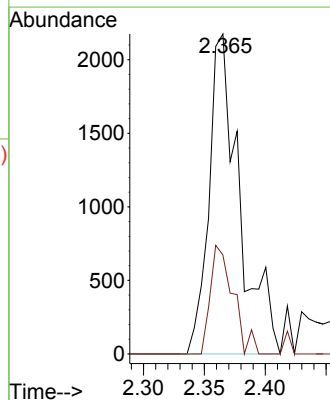
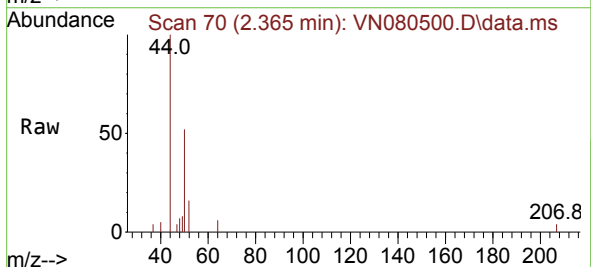
Instrument :
MSVOA_N
ClientSampleId :

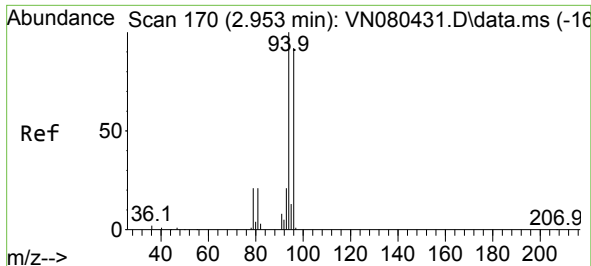
Tgt Ion:168 Resp: 213947
Ion Ratio Lower Upper
168 100
99 67.4 53.0 79.6



#3
Chloromethane
Concen: 0.928 ug/l
RT: 2.365 min Scan# 70
Delta R.T. 0.006 min
Lab File: VN080500.D
Acq: 15 Dec 2023 14:00

Tgt Ion: 50 Resp: 3783
Ion Ratio Lower Upper
50 100
52 30.9 26.5 39.7

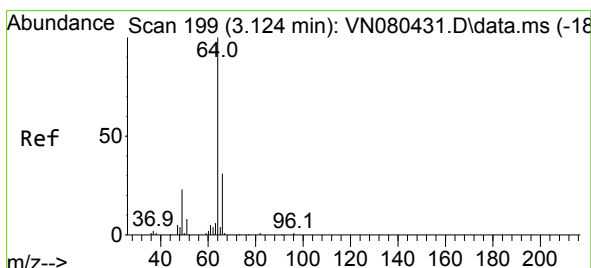
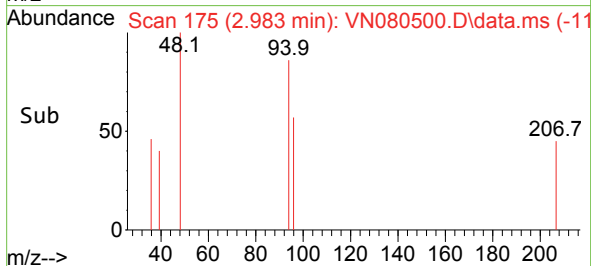
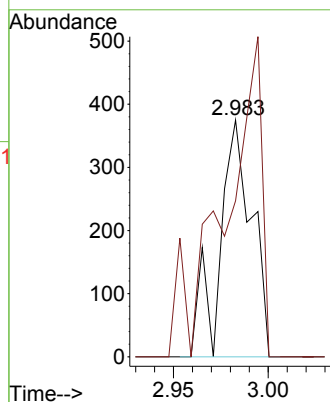
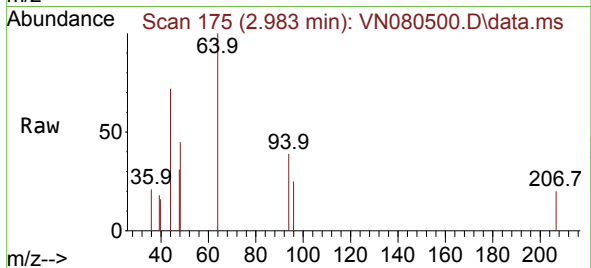




#5
Bromomethane
Concen: 0.422 ug/l
RT: 2.983 min Scan# 11
Delta R.T. 0.029 min
Lab File: VN080500.D
Acq: 15 Dec 2023 14:00

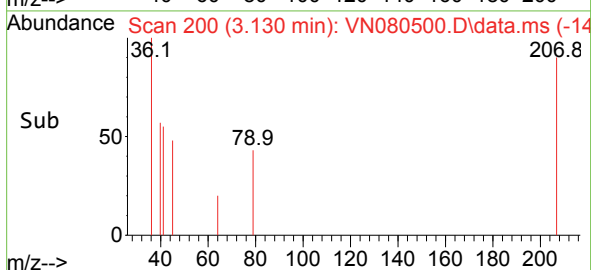
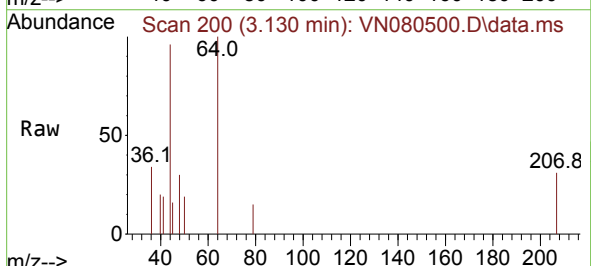
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MSVOA_N
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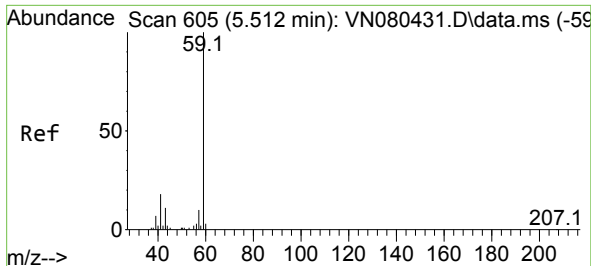
Tgt Ion: 94 Resp: 444
Ion Ratio Lower Upper
94 100
96 65.9 73.1 109.7#



#6
Chloroethane
Concen: 0.209 ug/l
RT: 3.130 min Scan# 200
Delta R.T. 0.006 min
Lab File: VN080500.D
Acq: 15 Dec 2023 14:00

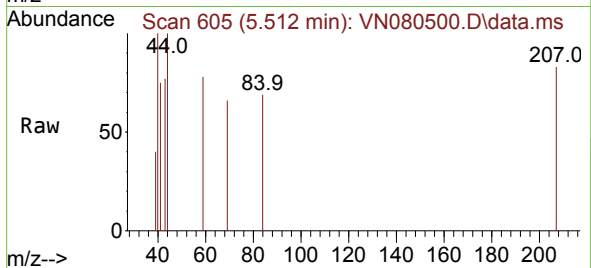
Tgt Ion: 64 Resp: 313
Ion Ratio Lower Upper
64 100
66 0.0 25.4 38.2#



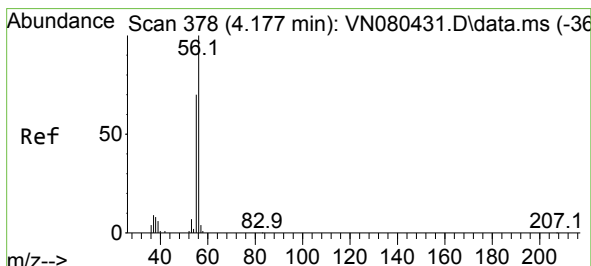
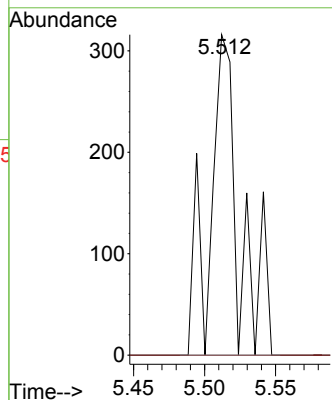
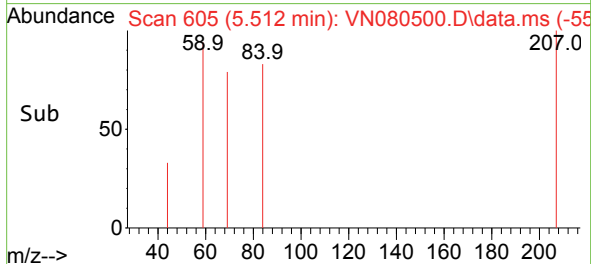


#11
Tert butyl alcohol
Concen: 1.420 ug/l
RT: 5.512 min Scan# 605
Delta R.T. 0.000 min
Lab File: VN080500.D
Acq: 15 Dec 2023 14:00

Instrument :
MSVOA_N
ClientSampleId :

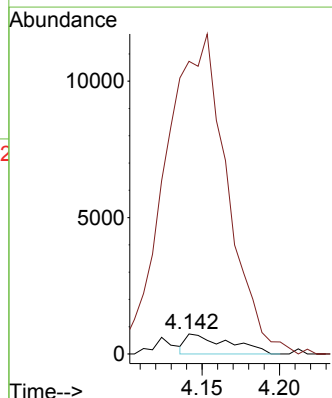
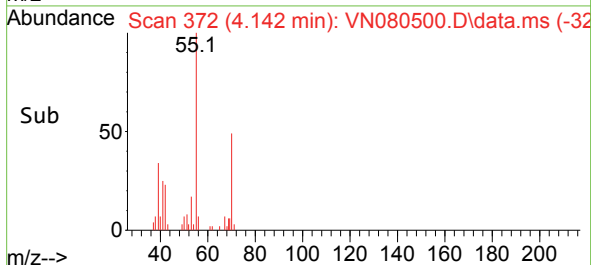
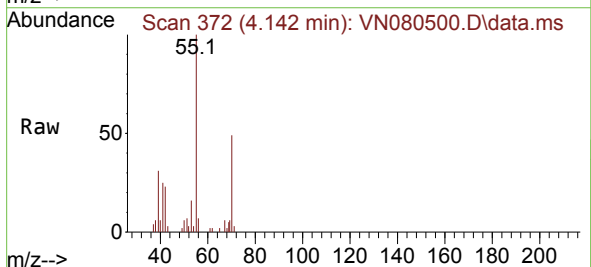


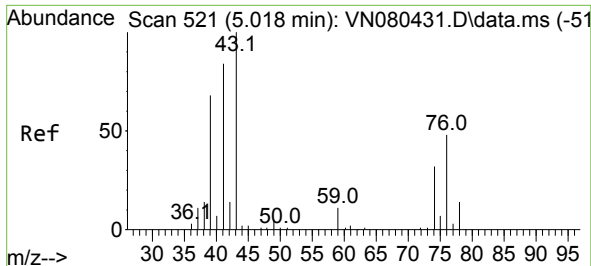
Tgt Ion: 59 Resp: 457
Ion Ratio Lower Upper
59 100
57 0.0 8.2 12.4#



#13
Acrolein
Concen: 3.995 ug/l
RT: 4.142 min Scan# 372
Delta R.T. -0.035 min
Lab File: VN080500.D
Acq: 15 Dec 2023 14:00

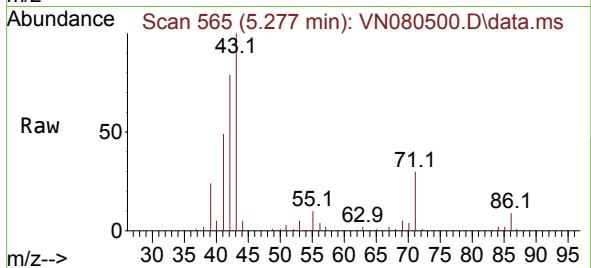
Tgt Ion: 56 Resp: 1408
Ion Ratio Lower Upper
56 100
55 2309.7 54.5 81.7#



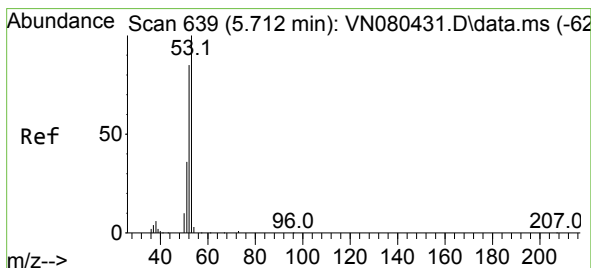
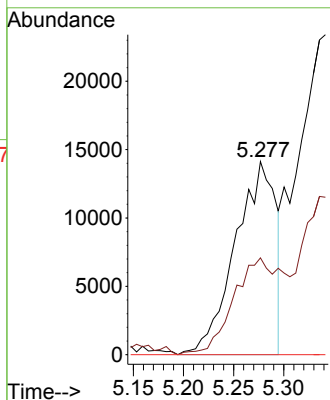
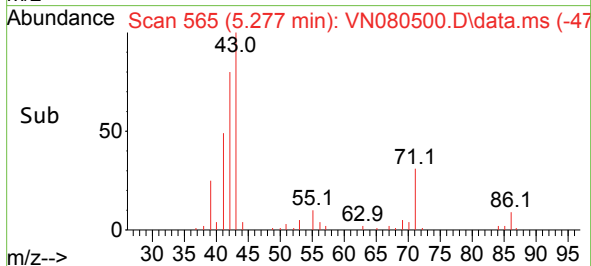


#14
 Allyl chloride
 Concen: 13.973 ug/l
 RT: 5.277 min Scan# 51
 Delta R.T. 0.259 min
 Lab File: VN080500.D
 Acq: 15 Dec 2023 14:00

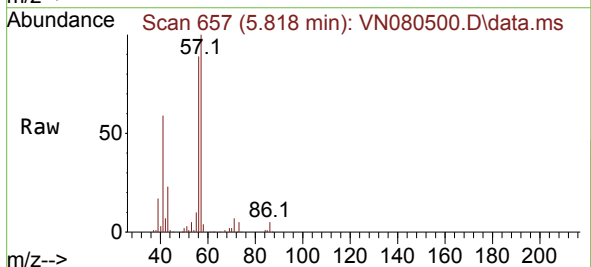
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 MSVOA_N
 ClientSampleId :



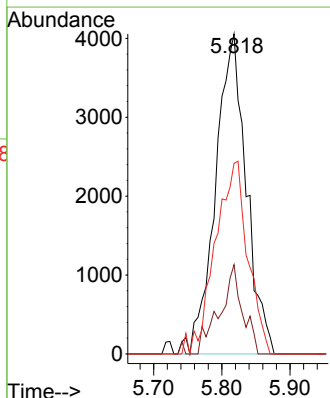
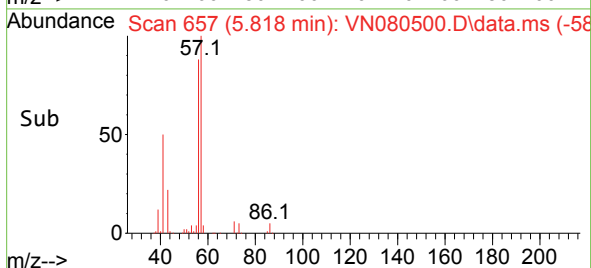
Tgt Ion: 41 Resp: 39761
 Ion Ratio Lower Upper
 41 100
 39 46.9 58.8 88.2#
 76 0.0 39.1 58.7#

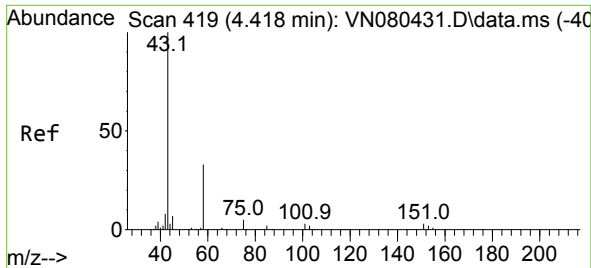


#15
 Acrylonitrile
 Concen: 14.028 ug/l
 RT: 5.818 min Scan# 657
 Delta R.T. 0.106 min
 Lab File: VN080500.D
 Acq: 15 Dec 2023 14:00



Tgt Ion: 53 Resp: 12756
 Ion Ratio Lower Upper
 53 100
 52 20.7 65.3 97.9#
 51 63.4 28.9 43.3#





#16

Acetone

Concen: 161.030 ug/l

RT: 4.424 min Scan# 419

Delta R.T. 0.006 min

Lab File: VN080500.D

Acq: 15 Dec 2023 14:00

Instrument :

MSVOA_N

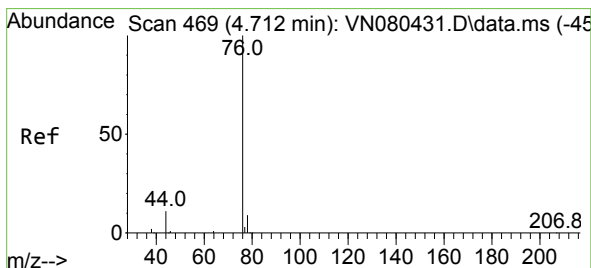
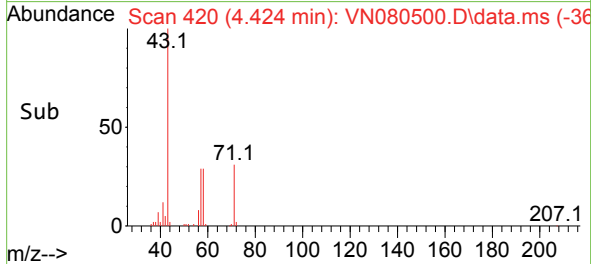
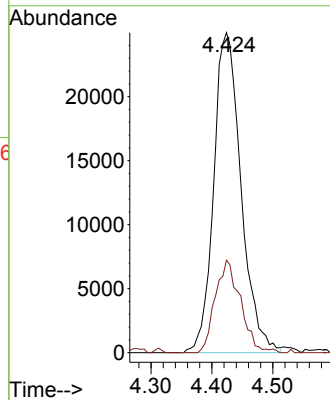
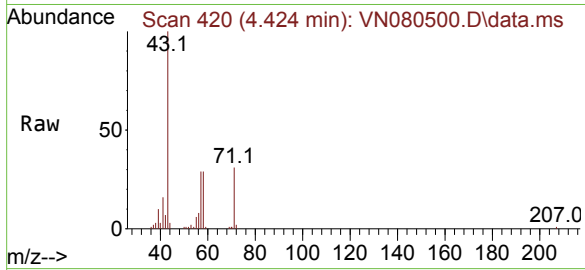
ClientSampleId :

Tgt Ion: 43 Resp: 78022

Ion Ratio Lower Upper

43 100

58 28.9 28.0 42.0



#17

Carbon Disulfide

Concen: 0.249 ug/l

RT: 4.700 min Scan# 467

Delta R.T. -0.012 min

Lab File: VN080500.D

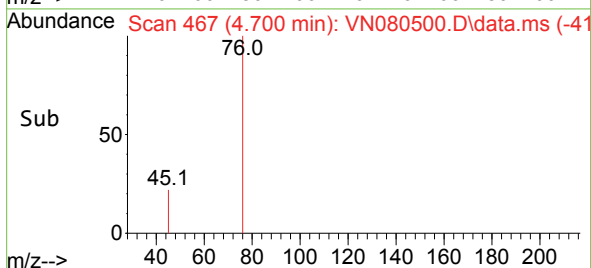
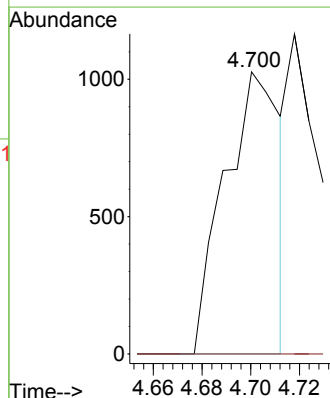
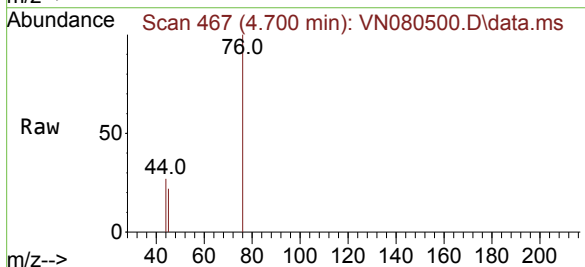
Acq: 15 Dec 2023 14:00

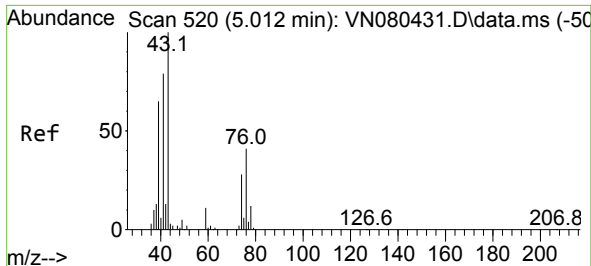
Tgt Ion: 76 Resp: 1620

Ion Ratio Lower Upper

76 100

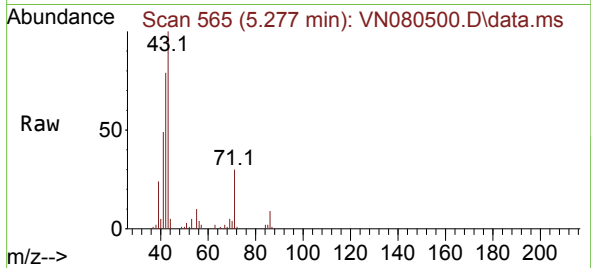
78 0.0 7.4 11.0#



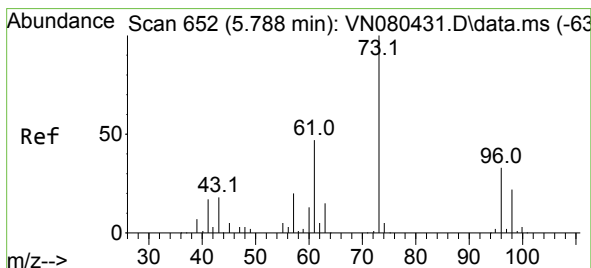
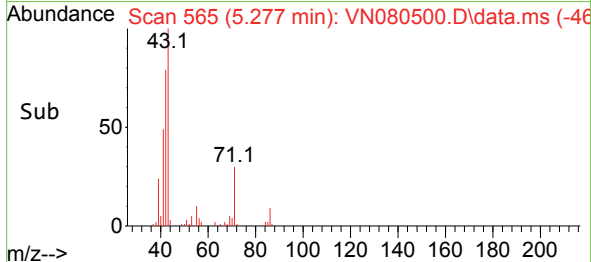
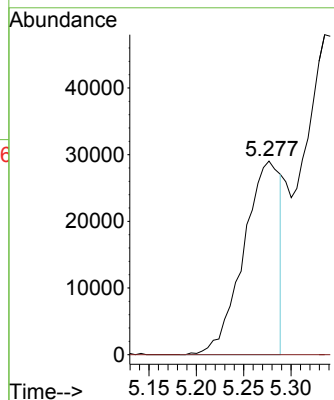


#18
Methyl Acetate
Concen: 25.064 ug/l
RT: 5.277 min Scan# 519
Delta R.T. 0.265 min
Lab File: VN080500.D
Acq: 15 Dec 2023 14:00

Instrument :
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ClientSampleId :

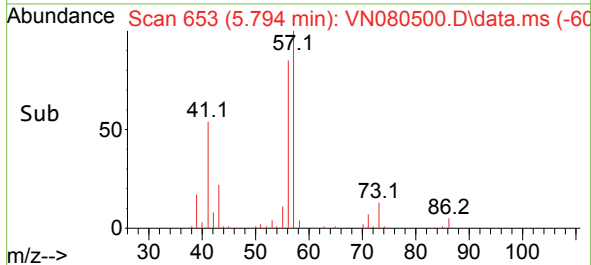
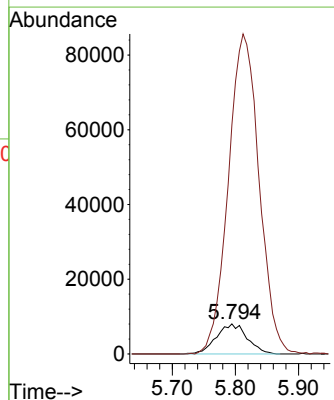
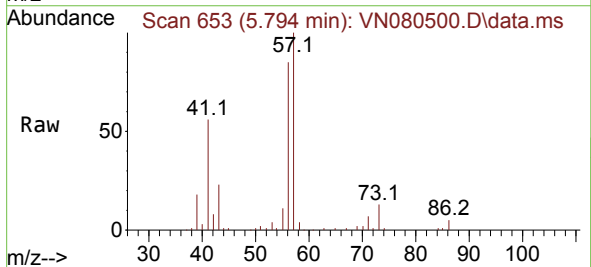


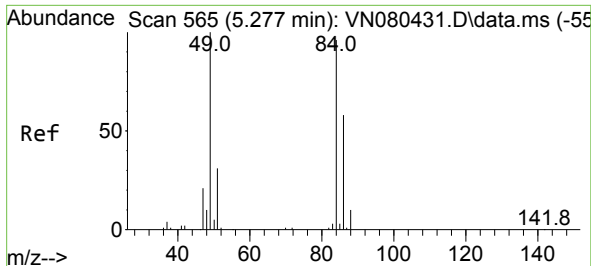
Tgt Ion: 43 Resp: 78140
Ion Ratio Lower Upper
43 100
74 0.0 26.2 39.4#



#19
Methyl tert-butyl Ether
Concen: 3.546 ug/l
RT: 5.794 min Scan# 653
Delta R.T. 0.006 min
Lab File: VN080500.D
Acq: 15 Dec 2023 14:00

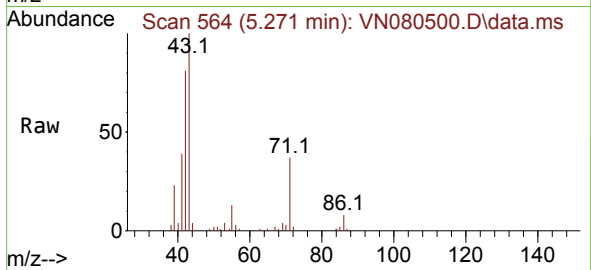
Tgt Ion: 73 Resp: 27209
Ion Ratio Lower Upper
73 100
57 758.8 15.6 23.4#





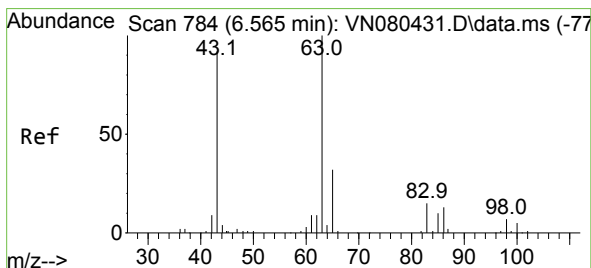
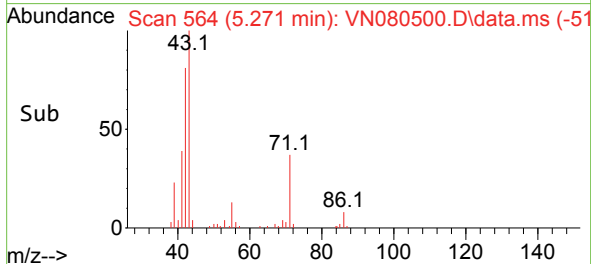
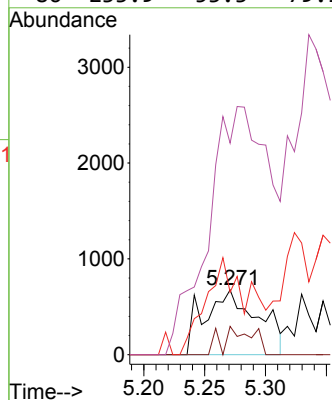
#20
Methylene Chloride
Concen: 0.797 ug/l
RT: 5.271 min Scan# 511
Delta R.T. -0.006 min
Lab File: VN080500.D
Acq: 15 Dec 2023 14:00

Instrument :
MSVOA_N
ClientSampleId :



Tgt Ion: 84 Resp: 2066

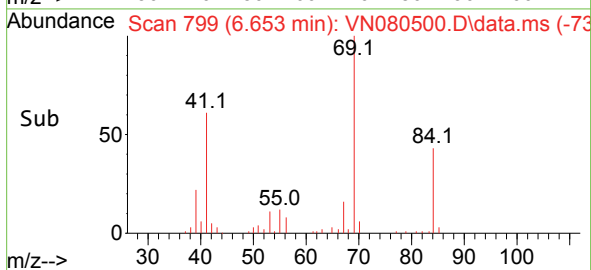
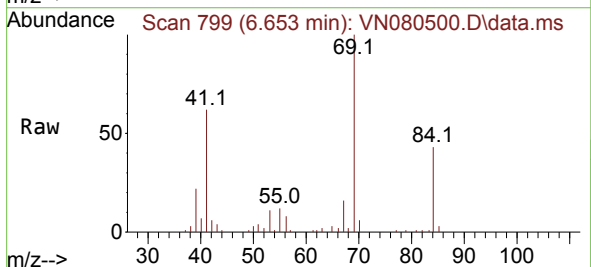
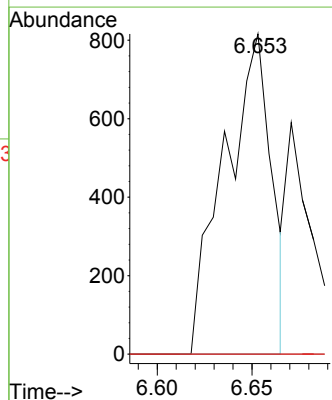
Ion	Ratio	Lower	Upper
84	100		
49	43.8	79.7	119.5#
51	96.3	25.2	37.8#
86	233.9	53.3	79.9#

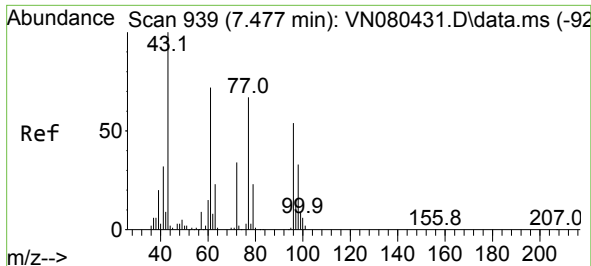


#24
1,1-Dichloroethane
Concen: 0.330 ug/l
RT: 6.653 min Scan# 799
Delta R.T. 0.088 min
Lab File: VN080500.D
Acq: 15 Dec 2023 14:00

Tgt Ion: 63 Resp: 1412

Ion	Ratio	Lower	Upper
63	100		
98	0.0	3.9	11.7#
100	0.0	2.5	7.4#

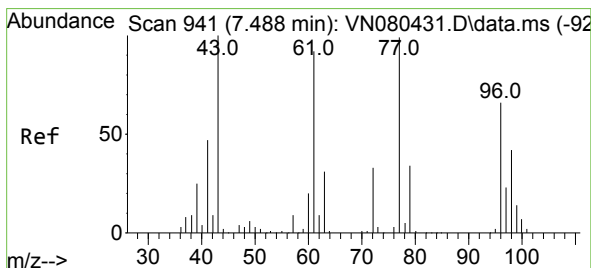
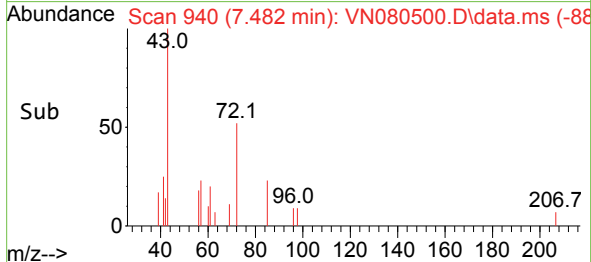
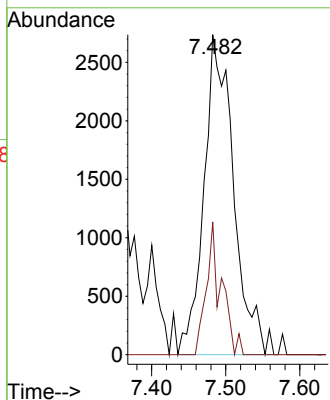
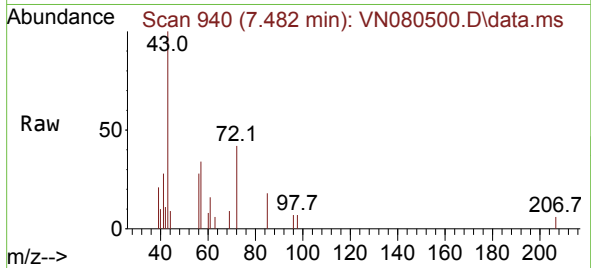




#25
2-Butanone
Concen: 8.152 ug/l
RT: 7.482 min Scan# 940
Delta R.T. 0.006 min
Lab File: VN080500.D
Acq: 15 Dec 2023 14:00

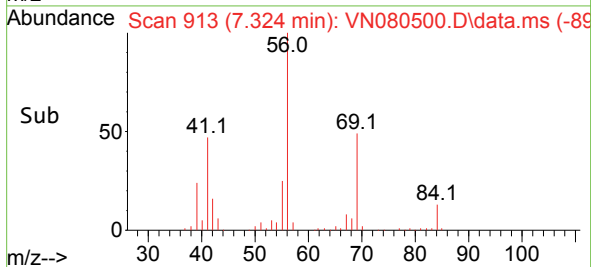
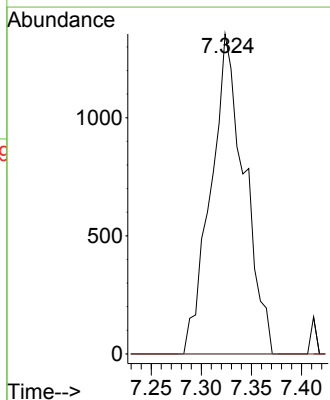
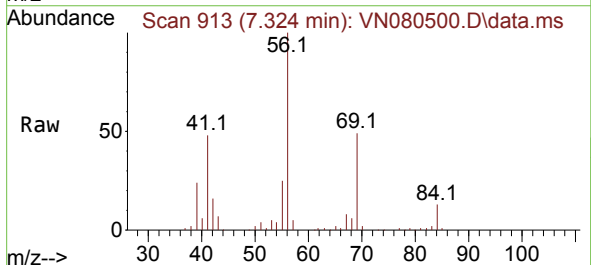
Instrument :
MSVOA_N
ClientSampleId :

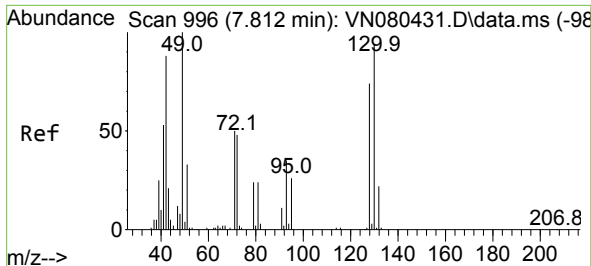
Tgt Ion: 43 Resp: 7609
Ion Ratio Lower Upper
43 100
72 41.5 30.2 45.2



#26
2,2-Dichloropropane
Concen: 0.718 ug/l
RT: 7.324 min Scan# 913
Delta R.T. -0.165 min
Lab File: VN080500.D
Acq: 15 Dec 2023 14:00

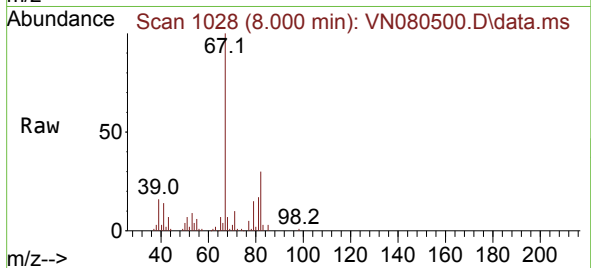
Tgt Ion: 77 Resp: 3146
Ion Ratio Lower Upper
77 100
97 0.0 11.2 33.6#



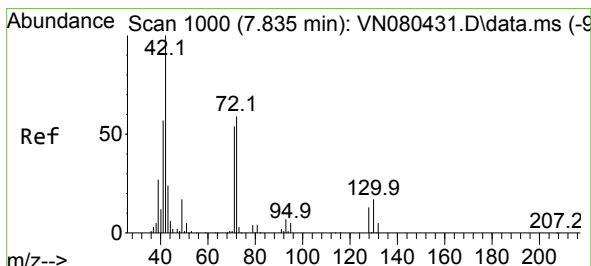
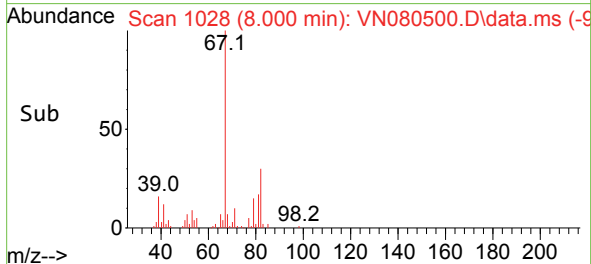
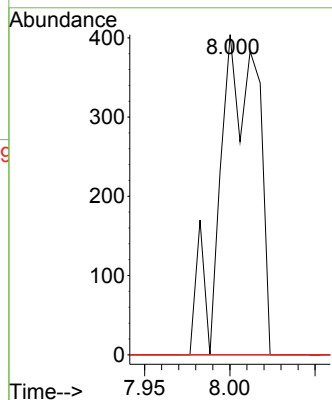


#28
Bromochloromethane
Concen: 0.386 ug/l
RT: 8.000 min Scan# 1028
Delta R.T. 0.188 min
Lab File: VN080500.D
Acq: 15 Dec 2023 14:00

Instrument :
MSVOA_N
ClientSampleId :

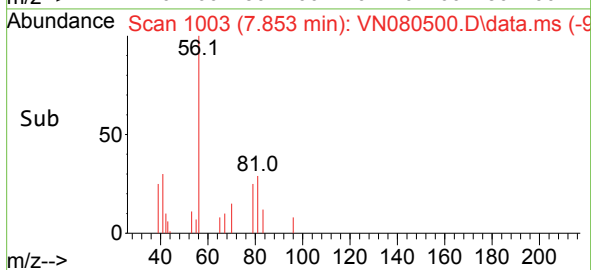
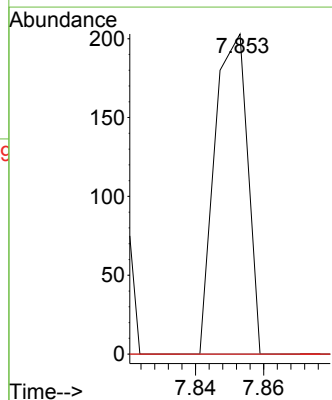
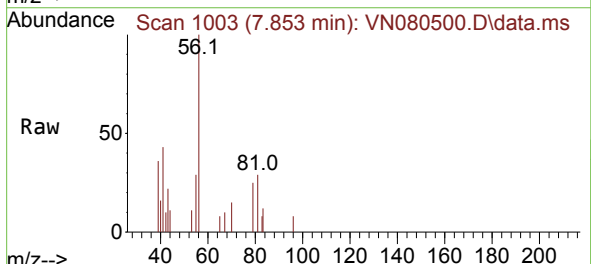


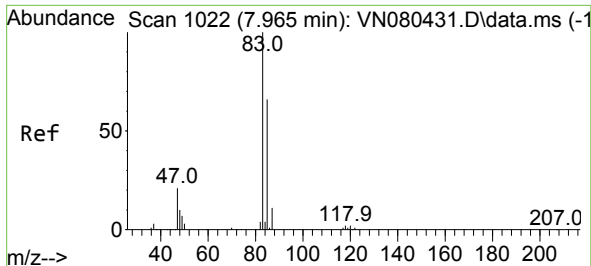
Tgt Ion: 49 Resp: 635
Ion Ratio Lower Upper
49 100
129 0.0 0.0 4.8
130 0.0 75.3 112.9#



#29
Tetrahydrofuran
Concen: 0.202 ug/l
RT: 7.853 min Scan# 1003
Delta R.T. 0.018 min
Lab File: VN080500.D
Acq: 15 Dec 2023 14:00

Tgt Ion: 42 Resp: 135
Ion Ratio Lower Upper
42 100
72 0.0 49.8 74.6#
71 0.0 47.4 71.2#

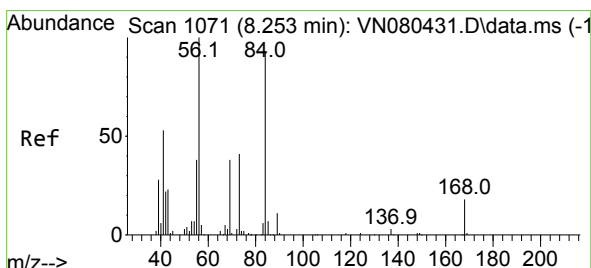
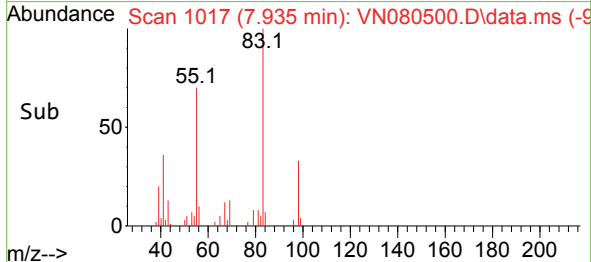
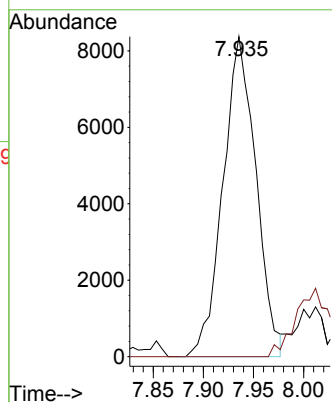
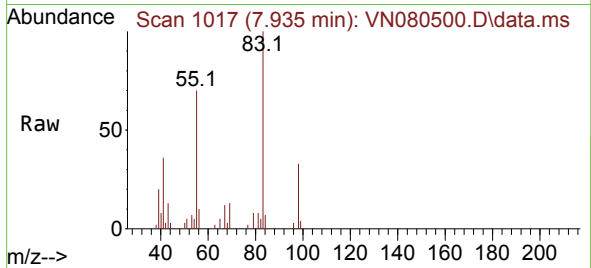




#30
Chloroform
Concen: 4.025 ug/l
RT: 7.935 min Scan# 1017
Delta R.T. -0.029 min
Lab File: VN080500.D
Acq: 15 Dec 2023 14:00

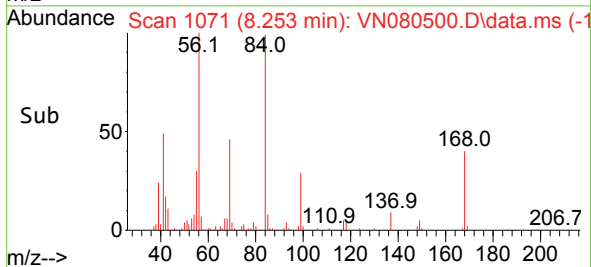
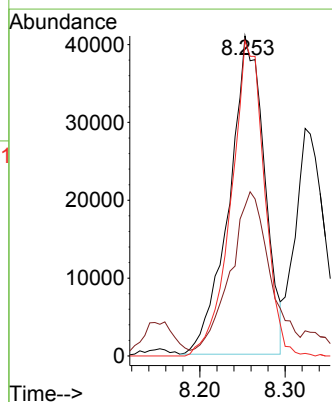
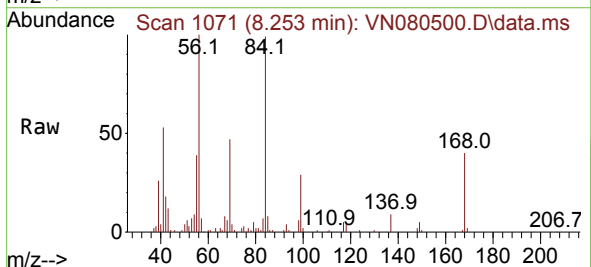
Instrument :
MSVOA_N
ClientSampleId :

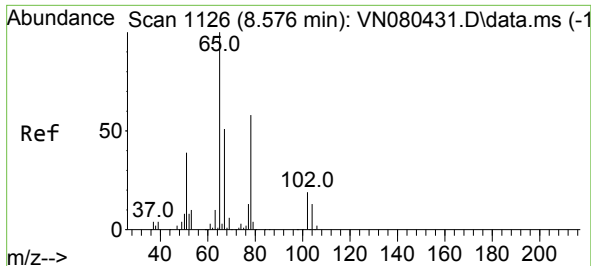
Tgt Ion: 83 Resp: 19145
Ion Ratio Lower Upper
83 100
85 0.0 55.4 83.0#



#31
Cyclohexane
Concen: 31.712 ug/l
RT: 8.253 min Scan# 1071
Delta R.T. 0.000 min
Lab File: VN080500.D
Acq: 15 Dec 2023 14:00

Tgt Ion: 56 Resp: 117843
Ion Ratio Lower Upper
56 100
69 43.2 26.8 40.2#
84 99.1 81.8 122.6





#33

1,2-Dichloroethane-d4

Concen: 52.766 ug/l

RT: 8.577 min Scan# 1126

Delta R.T. 0.000 min

Lab File: VN080500.D

Acq: 15 Dec 2023 14:00

Instrument :

MSVOA_N

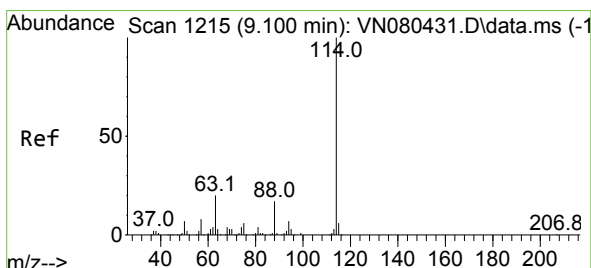
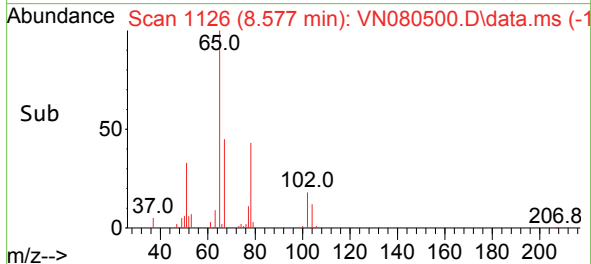
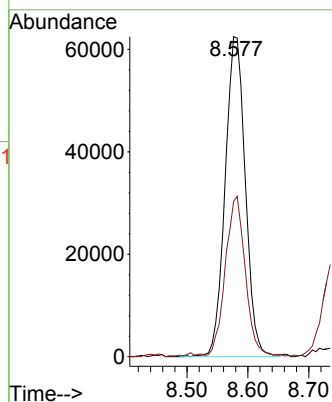
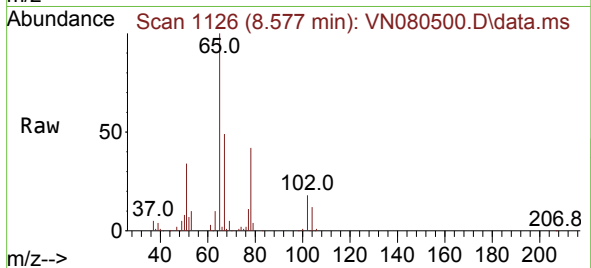
ClientSampleId :

Tgt Ion: 65 Resp: 144189

Ion Ratio Lower Upper

65 100

67 49.1 0.0 106.6



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.100 min Scan# 1215

Delta R.T. 0.000 min

Lab File: VN080500.D

Acq: 15 Dec 2023 14:00

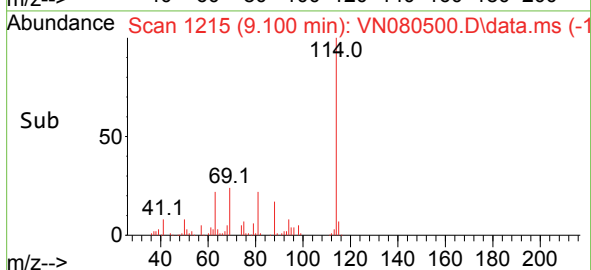
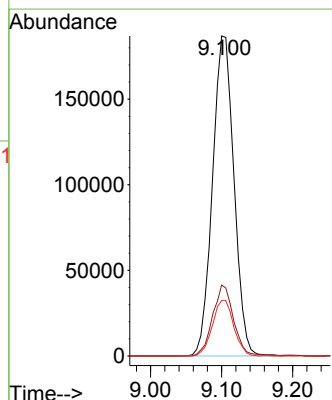
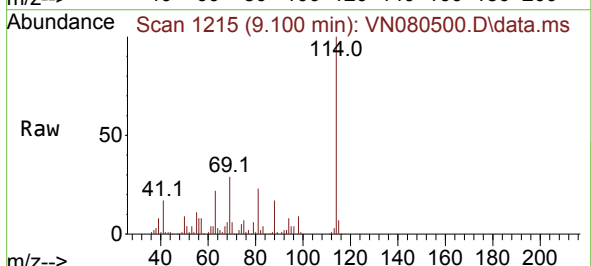
Tgt Ion: 114 Resp: 391520

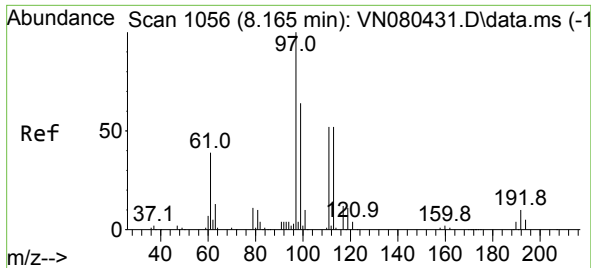
Ion Ratio Lower Upper

114 100

63 22.2 0.0 36.4

88 17.3 0.0 30.6

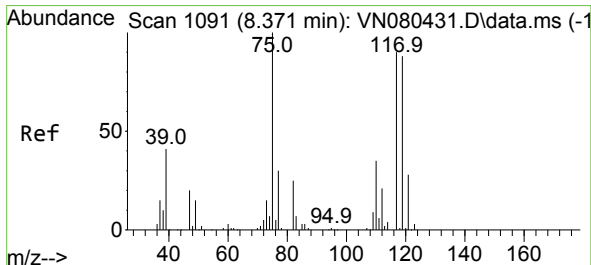
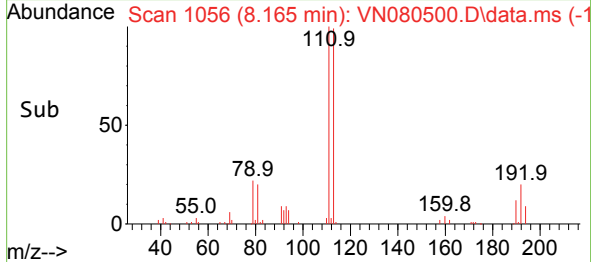
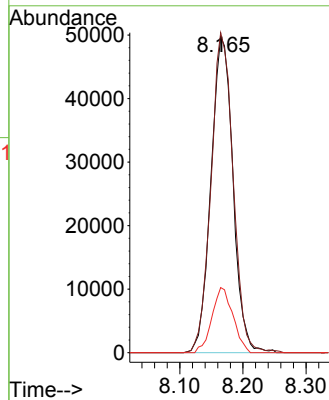
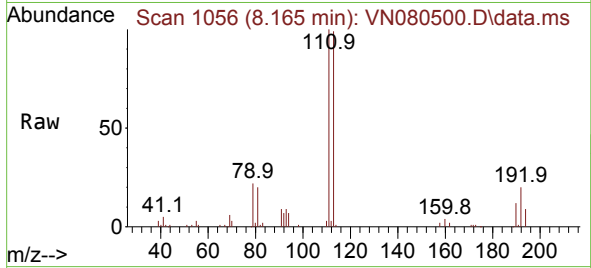




#35
Dibromofluoromethane
Concen: 48.438 ug/l
RT: 8.165 min Scan# 1056
Delta R.T. 0.000 min
Lab File: VN080500.D
Acq: 15 Dec 2023 14:00

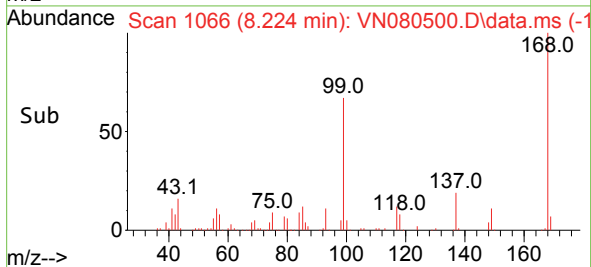
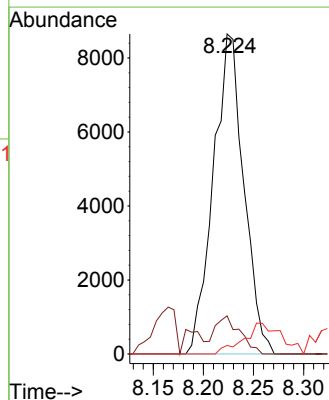
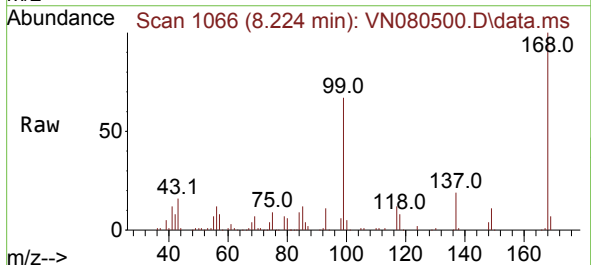
Instrument :
MSVOA_N
ClientSampleId :

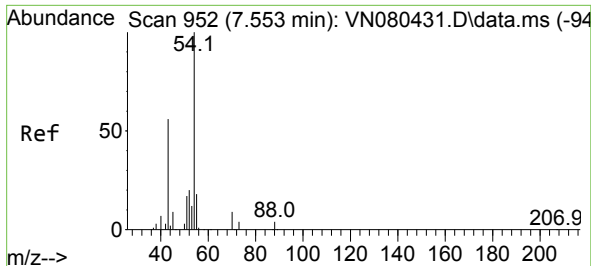
Tgt Ion:113 Resp: 120243
Ion Ratio Lower Upper
113 100
111 101.9 82.6 123.8
192 19.6 12.7 19.1#



#36
1,1-Dichloropropene
Concen: 4.504 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. -0.147 min
Lab File: VN080500.D
Acq: 15 Dec 2023 14:00

Tgt Ion: 75 Resp: 18280
Ion Ratio Lower Upper
75 100
110 10.0 19.1 57.3#
77 0.0 25.0 37.4#





#37

Ethyl Acetate

Concen: 2.994 ug/l

RT: 7.482 min Scan# 94

Delta R.T. -0.071 min

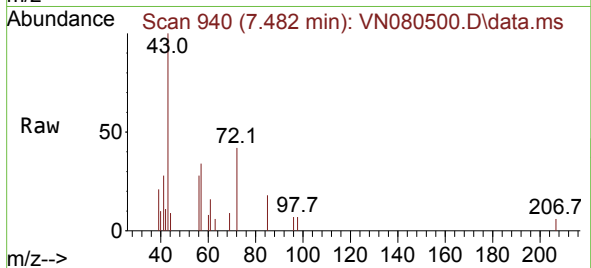
Lab File: VN080500.D

Acq: 15 Dec 2023 14:00

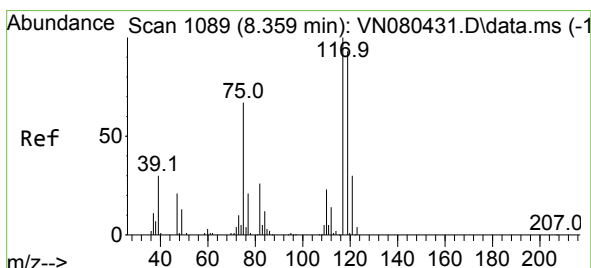
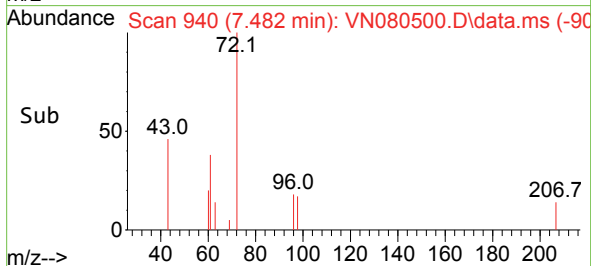
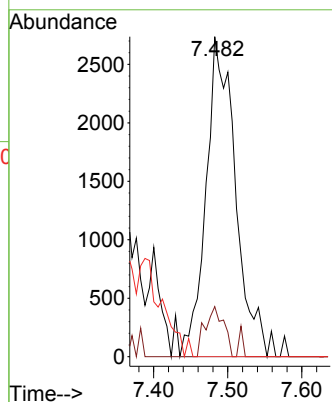
Instrument :

MSVOA_N

ClientSampleId :



Tgt Ion:	43	Resp:	7609
Ion	Ratio	Lower	Upper
43	100		
61	9.8	13.2	19.8#
70	0.0	11.3	16.9#



#38

Carbon Tetrachloride

Concen: 5.153 ug/l

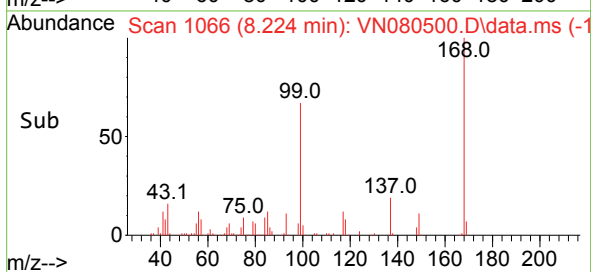
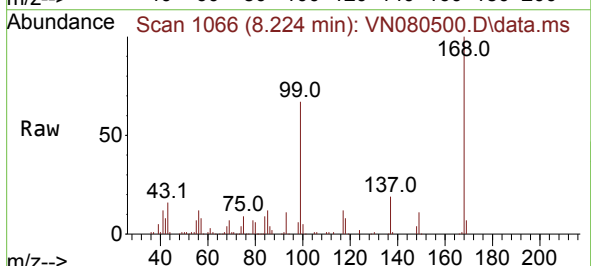
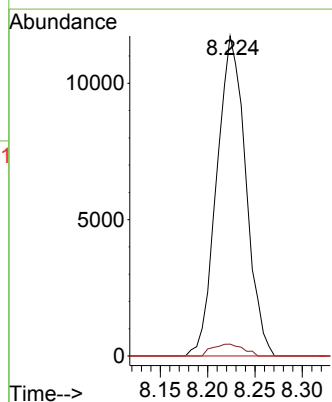
RT: 8.224 min Scan# 1066

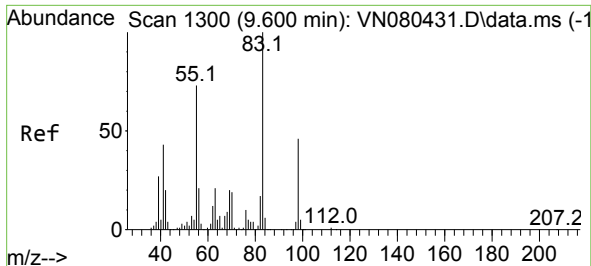
Delta R.T. -0.135 min

Lab File: VN080500.D

Acq: 15 Dec 2023 14:00

Tgt Ion:	117	Resp:	24991
Ion	Ratio	Lower	Upper
117	100		
119	3.7	77.3	115.9#
121	0.0	23.3	34.9#

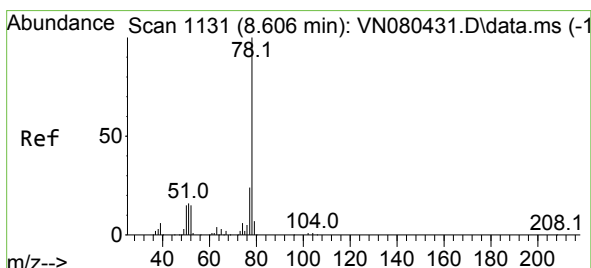
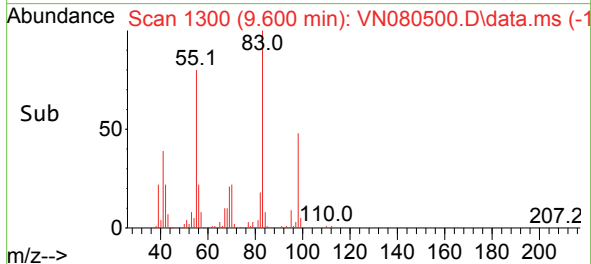
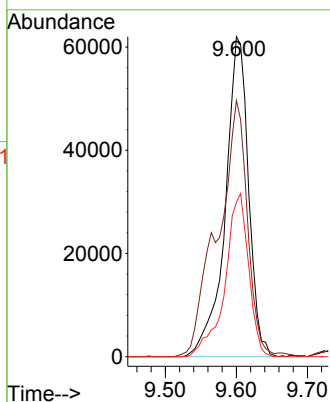
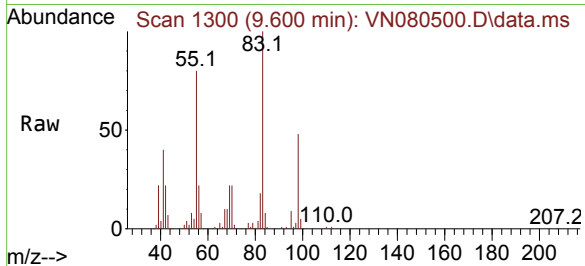




#39
Methylcyclohexane
Concen: 33.515 ug/l
RT: 9.600 min Scan# 11
Delta R.T. 0.000 min
Lab File: VN080500.D
Acq: 15 Dec 2023 14:00

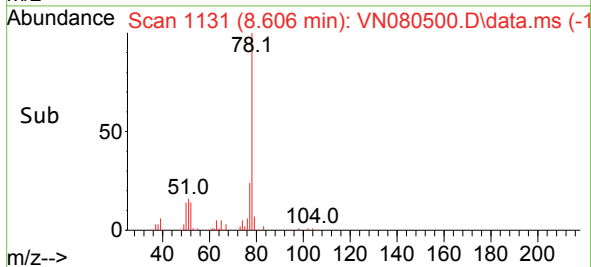
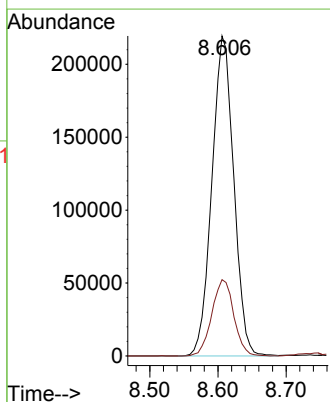
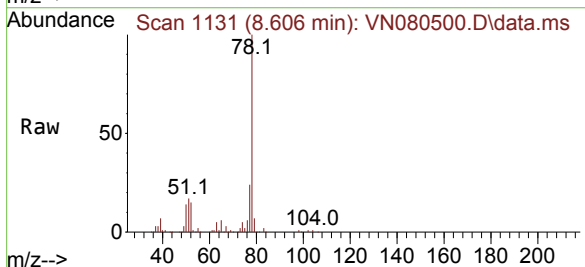
Instrument :
MSVOA_N
ClientSampleId :

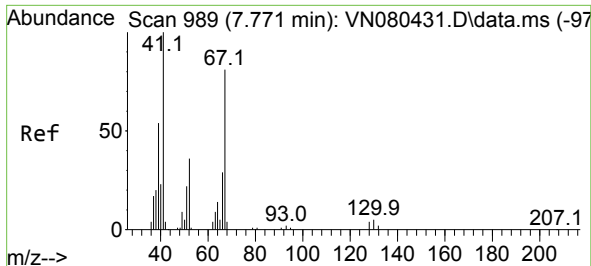
Tgt Ion: 83 Resp: 141318
Ion Ratio Lower Upper
83 100
55 79.7 49.1 73.7#
98 48.3 40.6 61.0



#40
Benzene
Concen: 41.837 ug/l
RT: 8.606 min Scan# 1131
Delta R.T. 0.000 min
Lab File: VN080500.D
Acq: 15 Dec 2023 14:00

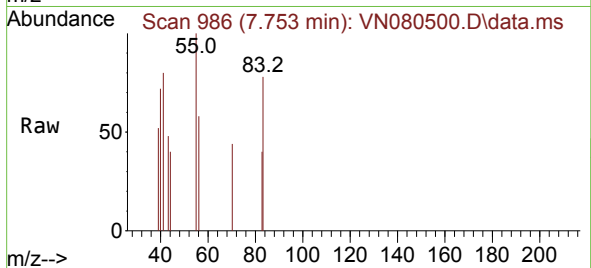
Tgt Ion: 78 Resp: 490358
Ion Ratio Lower Upper
78 100
77 23.8 19.0 28.6



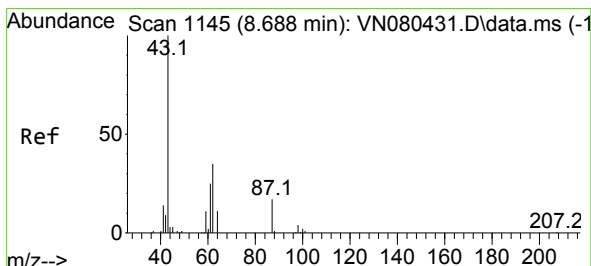
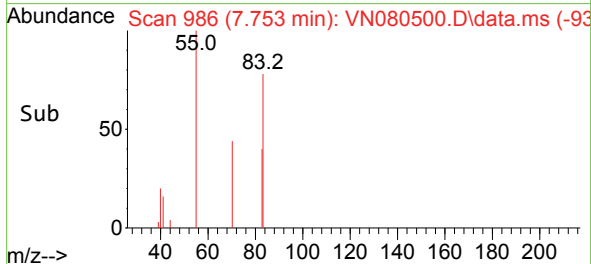
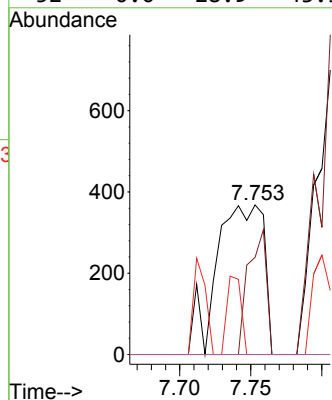


#41
Methacrylonitrile
Concen: 0.582 ug/l
RT: 7.753 min Scan# 91
Delta R.T. -0.018 min
Lab File: VN080500.D
Acq: 15 Dec 2023 14:00

Instrument :
MSVOA_N
ClientSampleId :

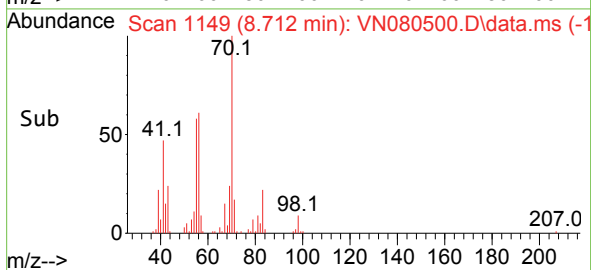
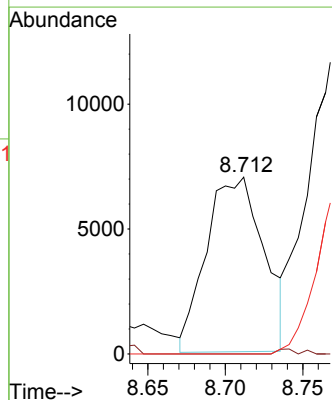
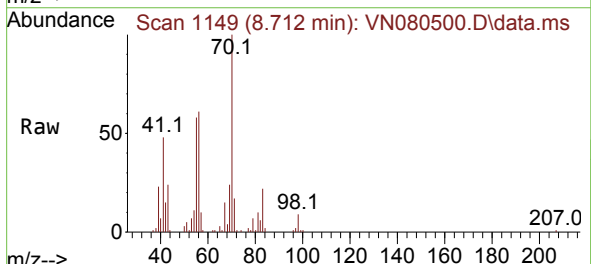


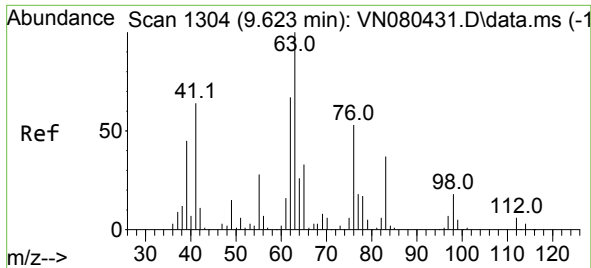
Tgt Ion:	41	Resp:	853
Ion	Ratio	Lower	Upper
41	100		
39	0.0	42.6	64.0#
67	0.0	77.5	116.3#
52	0.0	28.9	43.3#



#43
Isopropyl Acetate
Concen: 3.939 ug/l
RT: 8.712 min Scan# 1149
Delta R.T. 0.024 min
Lab File: VN080500.D
Acq: 15 Dec 2023 14:00

Tgt Ion:	43	Resp:	18003
Ion	Ratio	Lower	Upper
43	100		
61	0.0	24.7	37.1#
87	0.0	14.6	21.8#

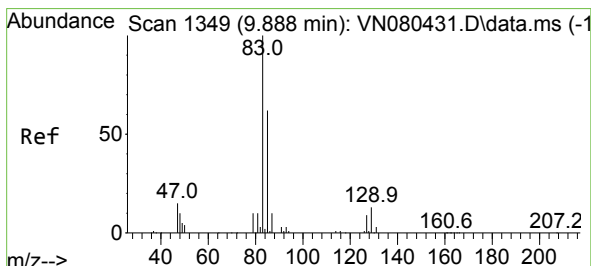
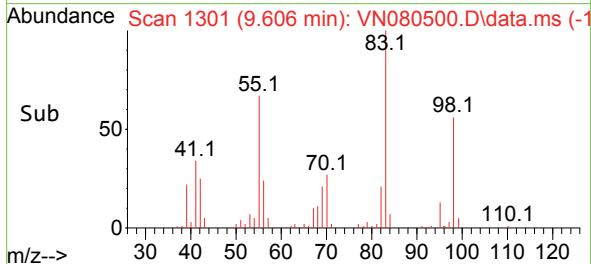
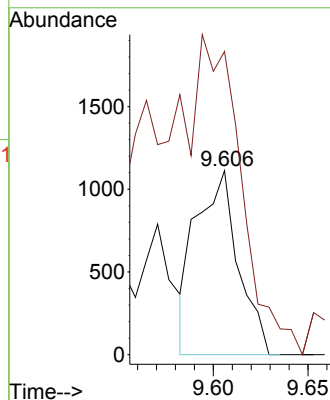
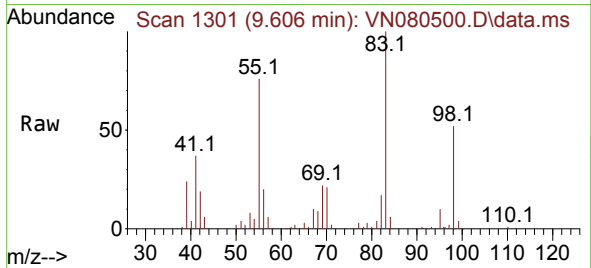




#45
1,2-Dichloropropane
Concen: 0.627 ug/l
RT: 9.606 min Scan# 11
Delta R.T. -0.018 min
Lab File: VN080500.D
Acq: 15 Dec 2023 14:00

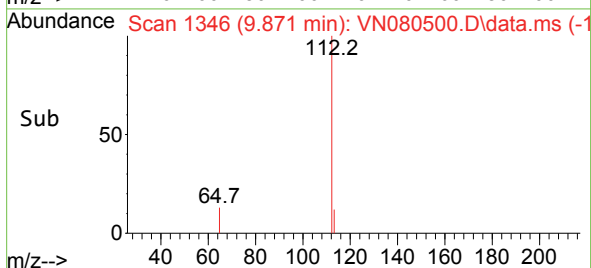
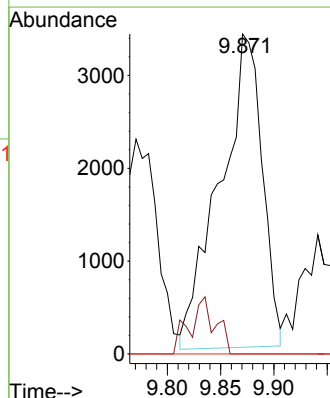
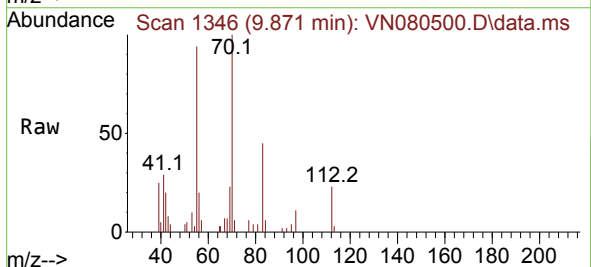
Instrument :
MSVOA_N
ClientSampleId :

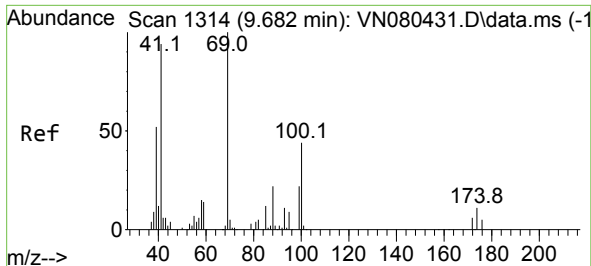
Tgt Ion: 63 Resp: 1726
Ion Ratio Lower Upper
63 100
65 150.7 23.9 35.9#



#47
Bromodichloromethane
Concen: 2.200 ug/l
RT: 9.871 min Scan# 1346
Delta R.T. -0.018 min
Lab File: VN080500.D
Acq: 15 Dec 2023 14:00

Tgt Ion: 83 Resp: 9320
Ion Ratio Lower Upper
83 100
85 0.0 49.6 74.4#
127 0.0 7.0 10.6#

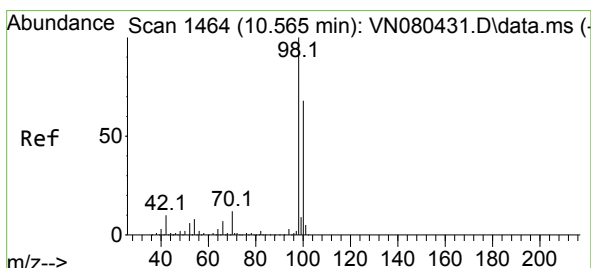
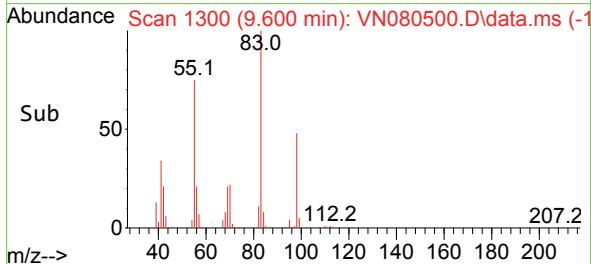
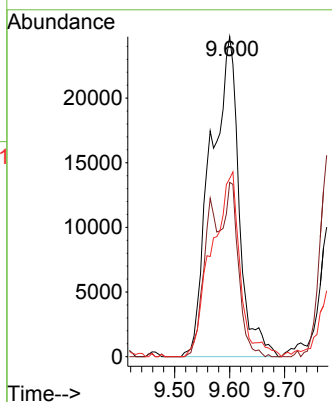
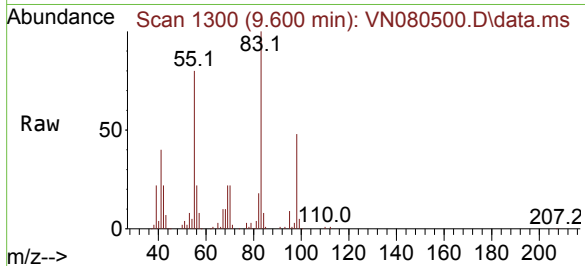




#48
Methyl methacrylate
Concen: 32.363 ug/l
RT: 9.600 min Scan# 11
Delta R.T. -0.082 min
Lab File: VN080500.D
Acq: 15 Dec 2023 14:00

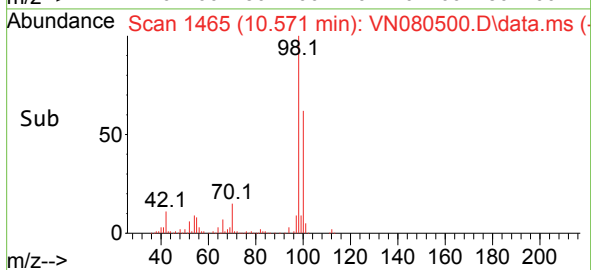
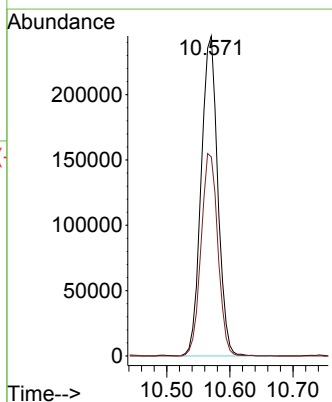
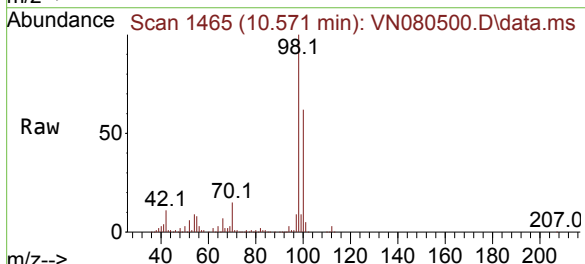
Instrument :
MSVOA_N
ClientSampleId :

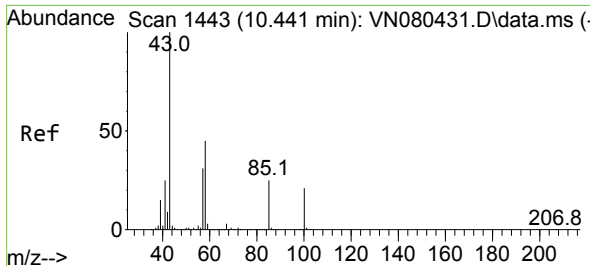
Tgt Ion: 41 Resp: 88261
Ion Ratio Lower Upper
41 100
69 24.7 90.4 135.6#
39 57.8 54.6 81.8



#50
Toluene-d8
Concen: 48.240 ug/l
RT: 10.571 min Scan# 1465
Delta R.T. 0.006 min
Lab File: VN080500.D
Acq: 15 Dec 2023 14:00

Tgt Ion: 98 Resp: 446604
Ion Ratio Lower Upper
98 100
100 63.9 52.0 78.0

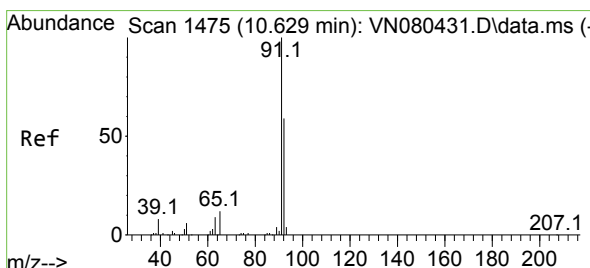
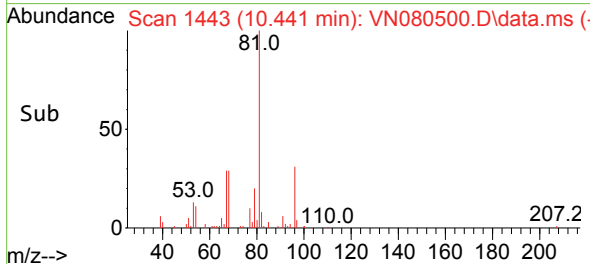
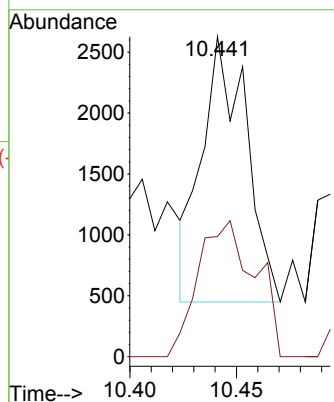
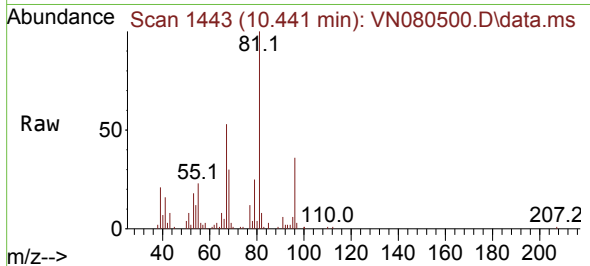




#51
4-Methyl-2-Pentanone
Concen: 1.250 ug/l
RT: 10.441 min Scan# 1443
Delta R.T. 0.000 min
Lab File: VN080500.D
Acq: 15 Dec 2023 14:00

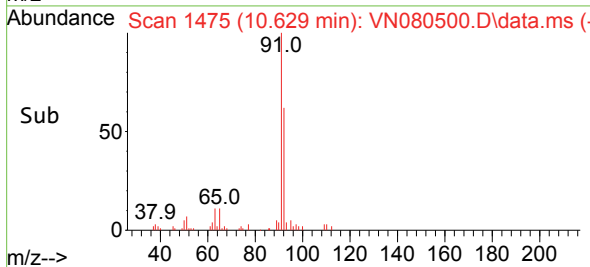
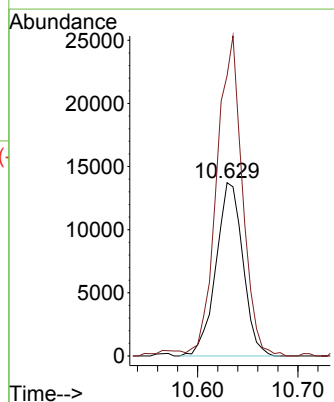
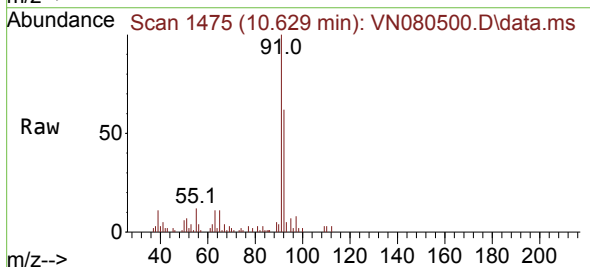
Instrument :
MSVOA_N
ClientSampleId :

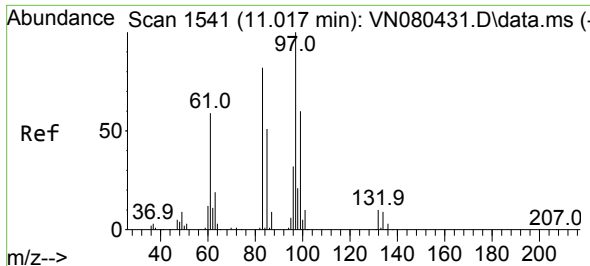
Tgt Ion: 43 Resp: 3146
Ion Ratio Lower Upper
43 100
58 65.9 36.6 54.8#



#52
Toluene
Concen: 3.448 ug/l
RT: 10.629 min Scan# 1475
Delta R.T. 0.000 min
Lab File: VN080500.D
Acq: 15 Dec 2023 14:00

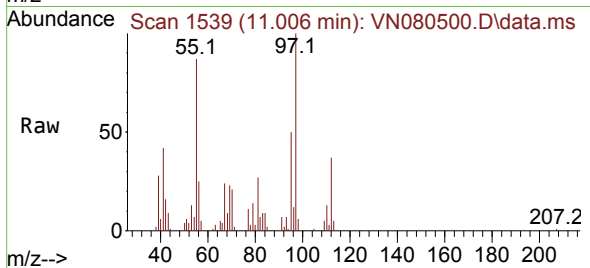
Tgt Ion: 92 Resp: 25532
Ion Ratio Lower Upper
92 100
91 176.3 137.4 206.0



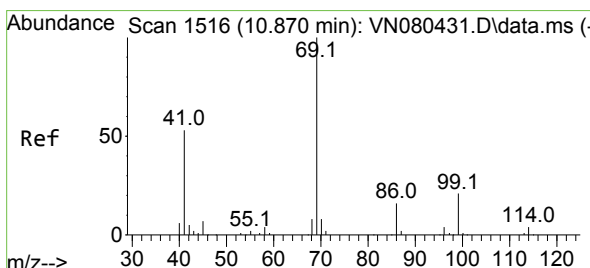
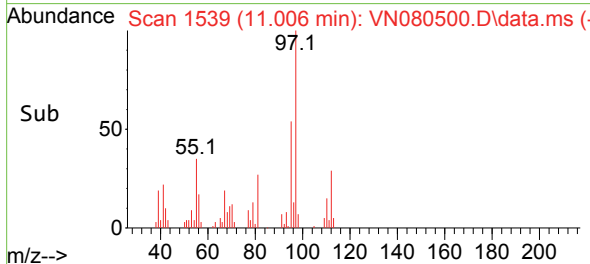
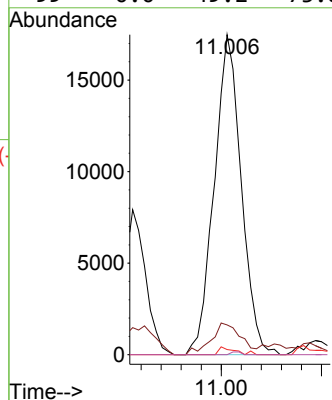


#55
 1,1,2-Trichloroethane
 Concen: 12.265 ug/l
 RT: 11.006 min Scan# 1539
 Delta R.T. -0.012 min
 Lab File: VN080500.D
 Acq: 15 Dec 2023 14:00

Instrument :
 MSVOA_N
 ClientSampleId :

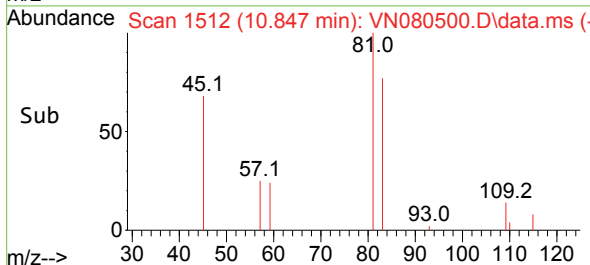
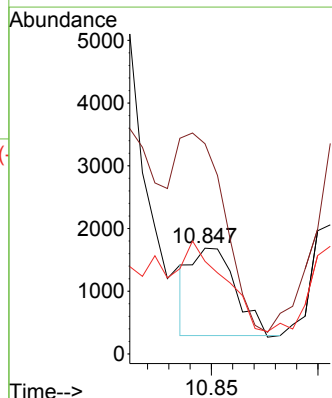
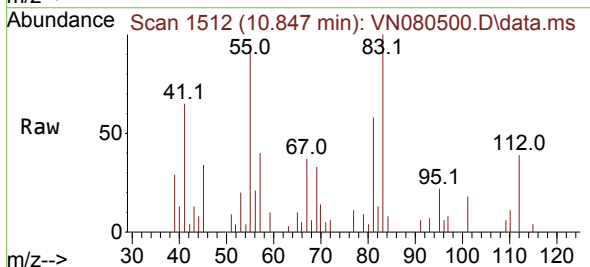


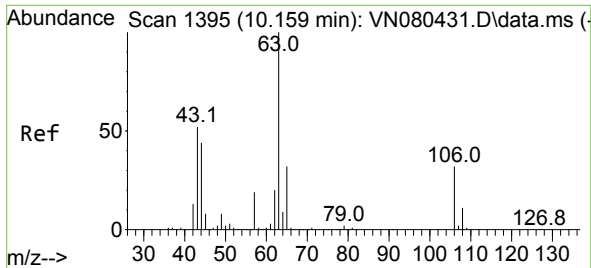
Tgt Ion: 97	Resp: 32677
Ion Ratio	Lower Upper
97 100	
83 9.3	65.1 97.7#
85 1.6	43.4 65.2#
99 0.0	49.2 73.8#



#56
 Ethyl methacrylate
 Concen: 0.680 ug/l
 RT: 10.847 min Scan# 1512
 Delta R.T. -0.023 min
 Lab File: VN080500.D
 Acq: 15 Dec 2023 14:00

Tgt Ion: 69	Resp: 2005
Ion Ratio	Lower Upper
69 100	
41 246.4	39.6 59.4#
39 0.0	28.6 43.0#

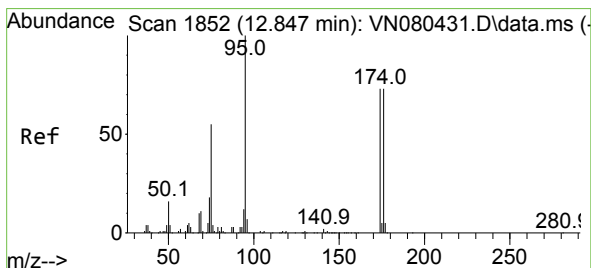
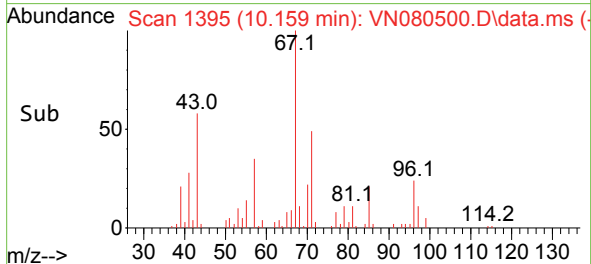
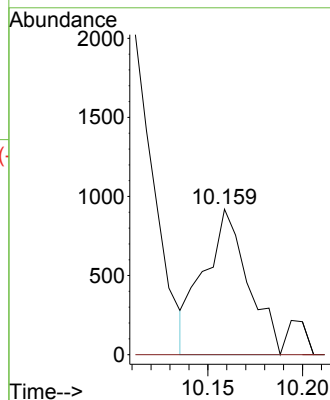
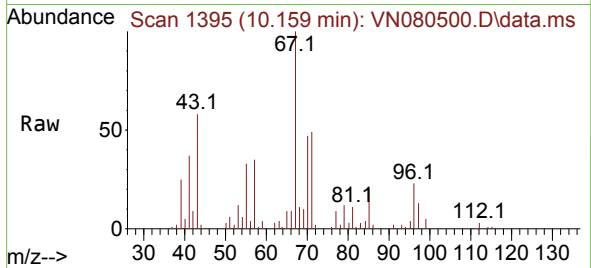




#58
2-Chloroethyl Vinyl ether
Concen: 0.799 ug/l
RT: 10.159 min Scan# 11
Delta R.T. 0.000 min
Lab File: VN080500.D
Acq: 15 Dec 2023 14:00

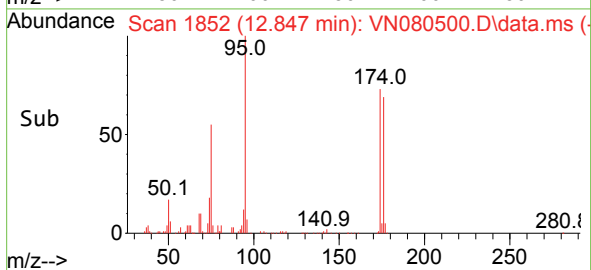
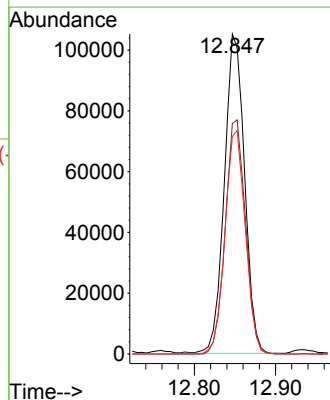
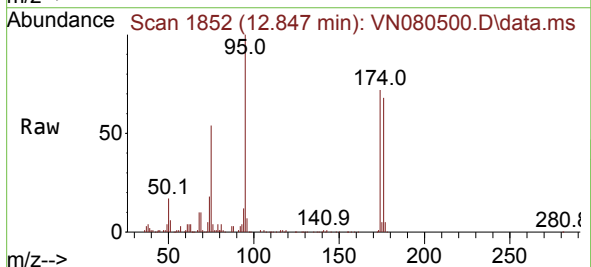
Instrument :
MSVOA_N
ClientSampleId :

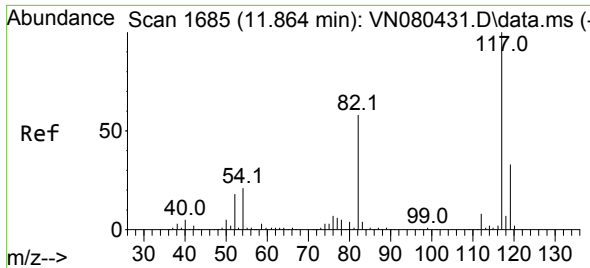
Tgt Ion: 63 Resp: 1487
Ion Ratio Lower Upper
63 100
106 0.0 26.2 39.4#



#62
4-Bromofluorobenzene
Concen: 51.608 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. 0.000 min
Lab File: VN080500.D
Acq: 15 Dec 2023 14:00

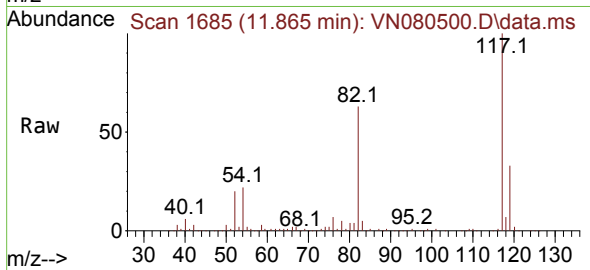
Tgt Ion: 95 Resp: 181428
Ion Ratio Lower Upper
95 100
174 73.5 0.0 143.8
176 70.5 0.0 135.8



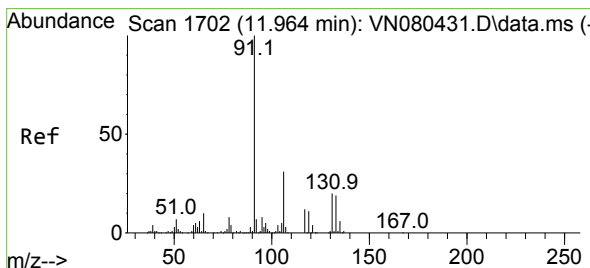
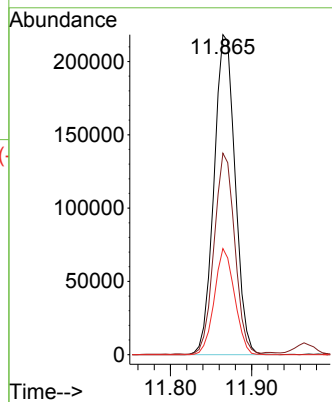
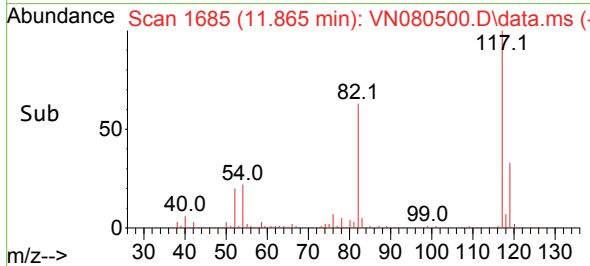


#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 117
Delta R.T. 0.000 min
Lab File: VN080500.D
Acq: 15 Dec 2023 14:00

Instrument :
MSVOA_N
ClientSampleId :

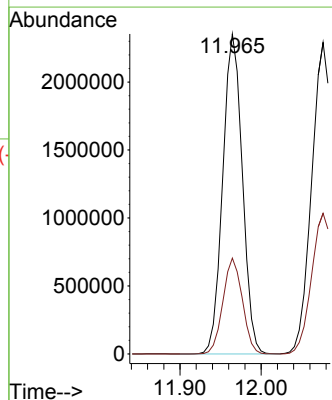
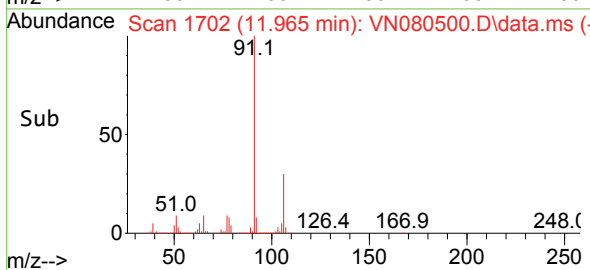
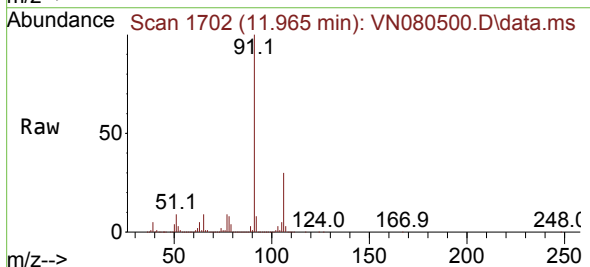


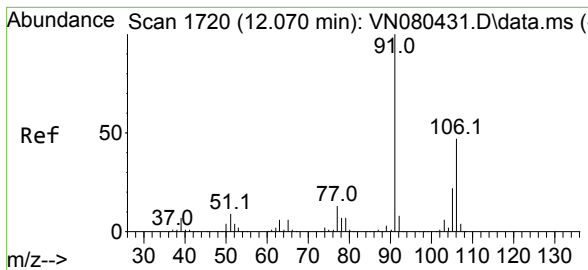
Tgt Ion:117 Resp: 394371
Ion Ratio Lower Upper
117 100
82 62.7 44.0 66.0
119 33.1 25.6 38.4



#67
Ethyl Benzene
Concen: 244.997 ug/l
RT: 11.965 min Scan# 1702
Delta R.T. 0.000 min
Lab File: VN080500.D
Acq: 15 Dec 2023 14:00

Tgt Ion: 91 Resp: 3952060
Ion Ratio Lower Upper
91 100
106 29.9 25.6 38.4

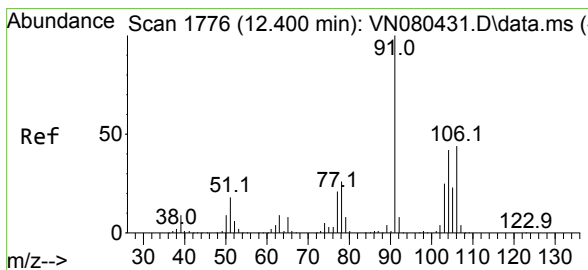
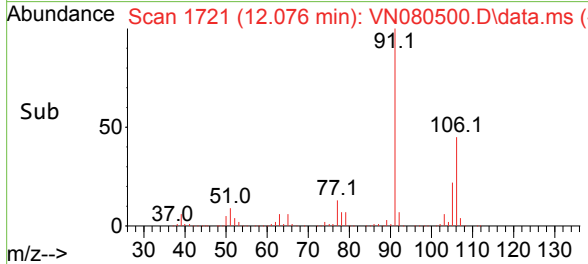
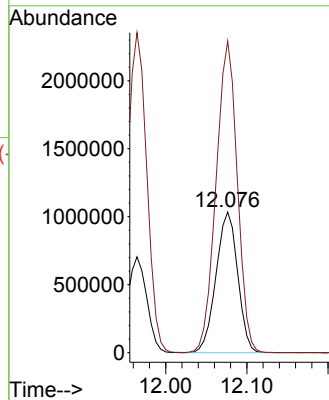
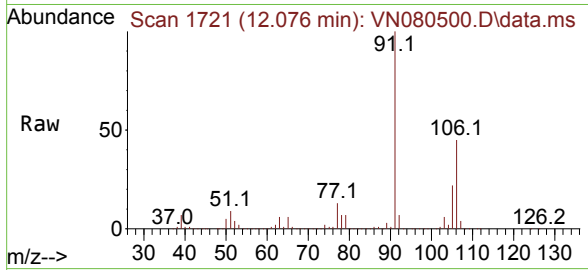




#68
m/p-Xylenes
Concen: 322.060 ug/l
RT: 12.076 min Scan# 1721
Delta R.T. 0.006 min
Lab File: VN080500.D
Acq: 15 Dec 2023 14:00

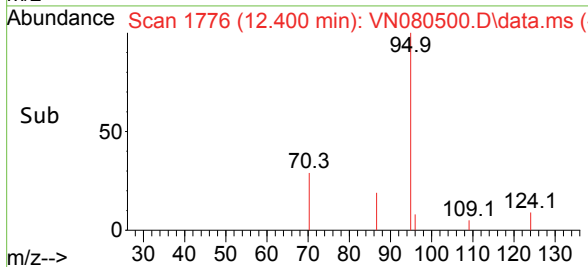
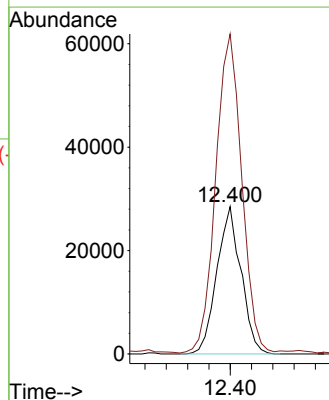
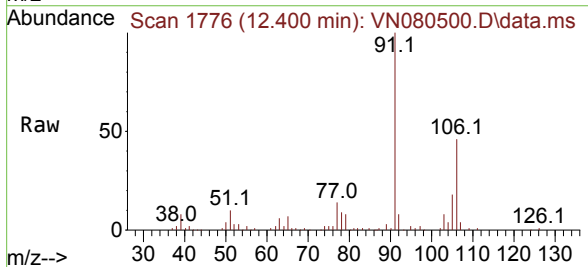
Instrument :
MSVOA_N
ClientSampleId :

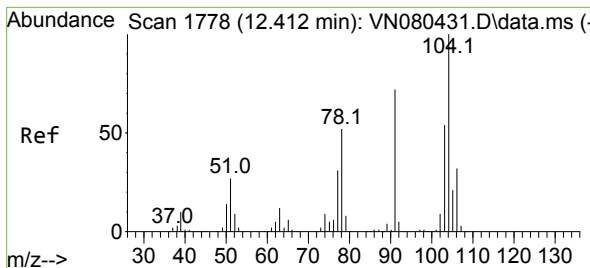
Tgt Ion:106 Resp: 1919736
Ion Ratio Lower Upper
106 100
91 217.3 159.6 239.4



#69
o-Xylene
Concen: 7.696 ug/l
RT: 12.400 min Scan# 1776
Delta R.T. 0.000 min
Lab File: VN080500.D
Acq: 15 Dec 2023 14:00

Tgt Ion:106 Resp: 44869
Ion Ratio Lower Upper
106 100
91 233.3 105.2 315.5





#70

Styrene

Concen: 0.442 ug/l

RT: 12.400 min Scan# 11

Delta R.T. -0.012 min

Lab File: VN080500.D

Acq: 15 Dec 2023 14:00

Instrument :

MSVOA_N

ClientSampleId :

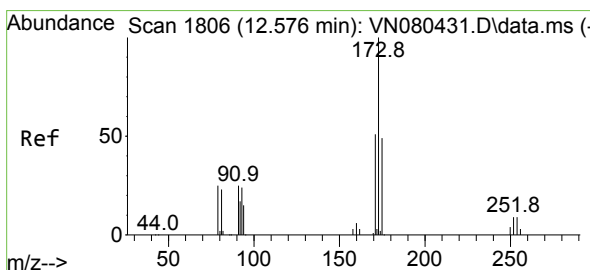
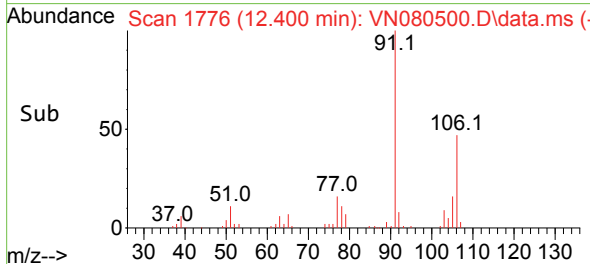
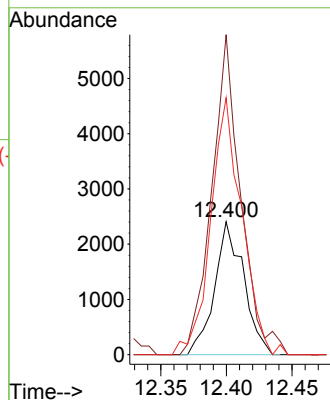
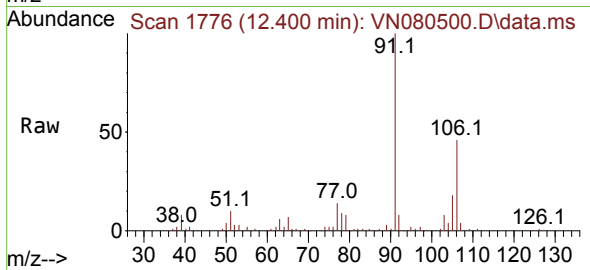
Tgt Ion:104 Resp: 3712

Ion Ratio Lower Upper

104 100

78 239.5 39.5 59.3#

103 207.3 43.2 64.8#



#71

Bromoform

Concen: 0.233 ug/l

RT: 12.841 min Scan# 1851

Delta R.T. 0.265 min

Lab File: VN080500.D

Acq: 15 Dec 2023 14:00

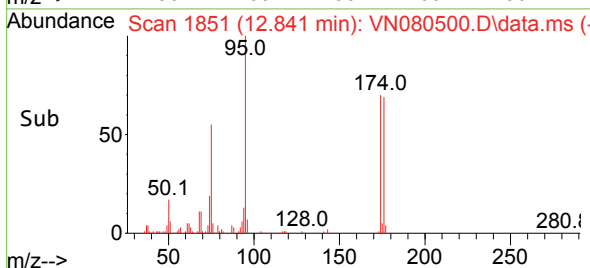
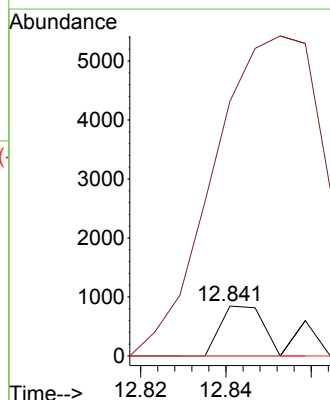
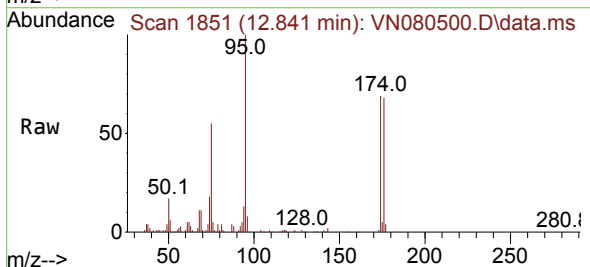
Tgt Ion:173 Resp: 586

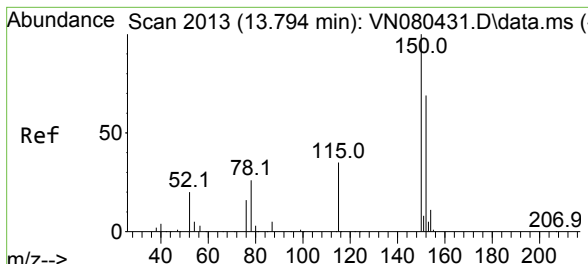
Ion Ratio Lower Upper

173 100

175 0.0 24.3 73.0#

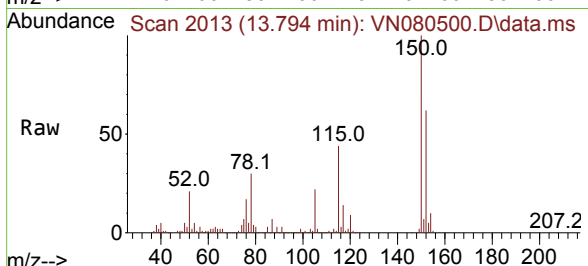
254 0.0 0.0 0.0



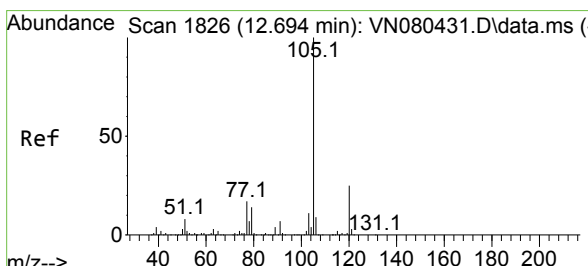
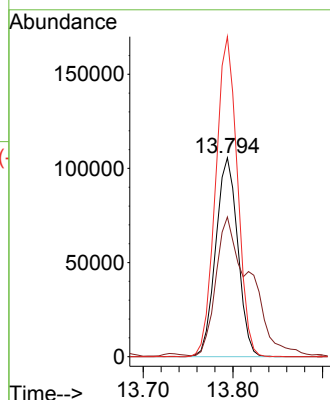
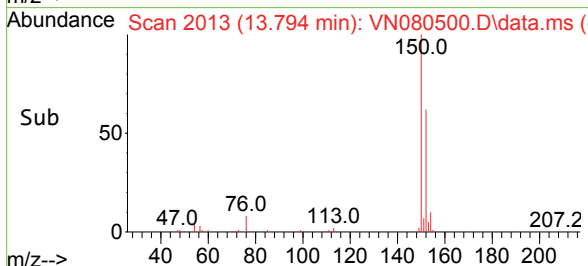


#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.794 min Scan# 2013
 Delta R.T. 0.000 min
 Lab File: VN080500.D
 Acq: 15 Dec 2023 14:00

Instrument :
 MSVOA_N
 ClientSampleId :

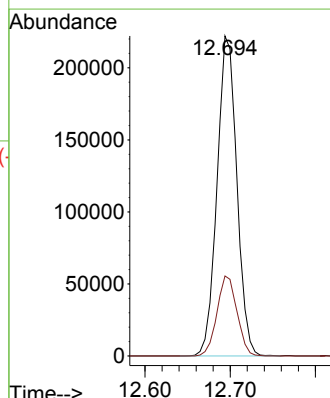
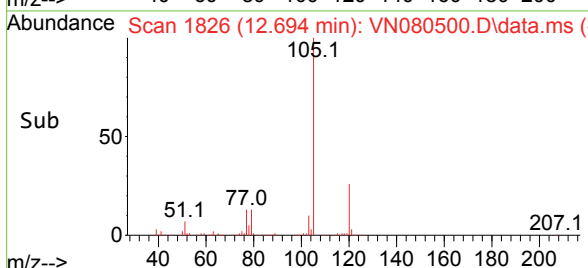
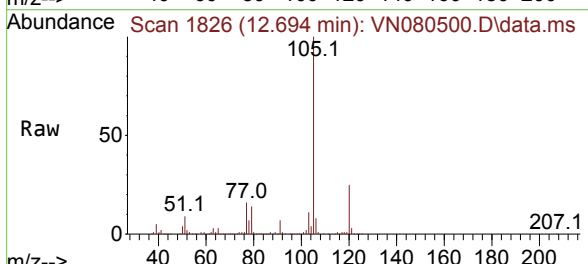


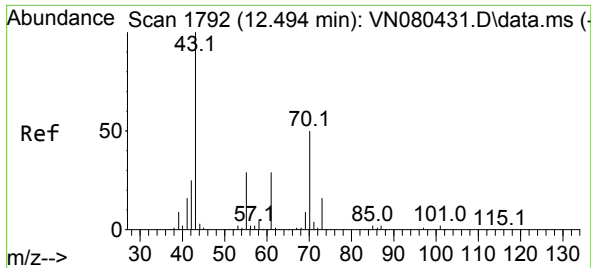
Tgt Ion:152 Resp: 179983
 Ion Ratio Lower Upper
 152 100
 115 109.3 32.3 96.8#
 150 158.9 0.0 355.8



#73
 Isopropylbenzene
 Concen: 24.830 ug/l
 RT: 12.694 min Scan# 1826
 Delta R.T. 0.000 min
 Lab File: VN080500.D
 Acq: 15 Dec 2023 14:00

Tgt Ion:105 Resp: 359007
 Ion Ratio Lower Upper
 105 100
 120 25.2 13.1 39.1

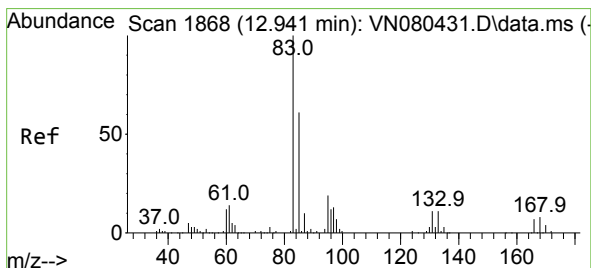
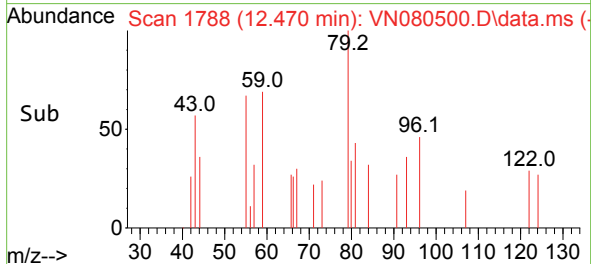
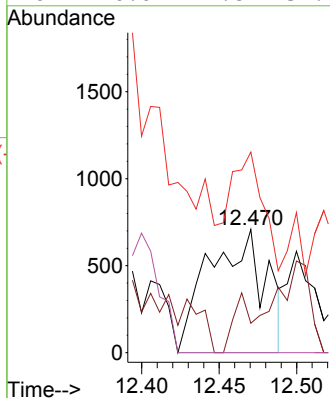
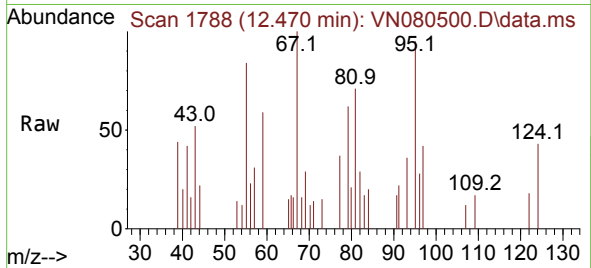




#74
N-amy1 acetate
Concen: 0.428 ug/l
RT: 12.470 min Scan# 1792
Delta R.T. -0.023 min
Lab File: VN080500.D
Acq: 15 Dec 2023 14:00

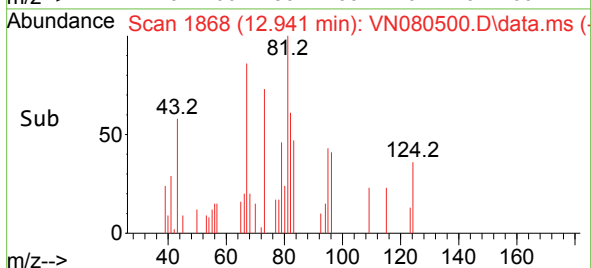
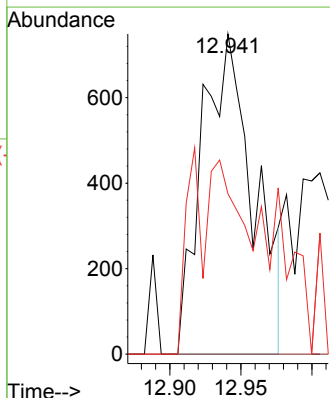
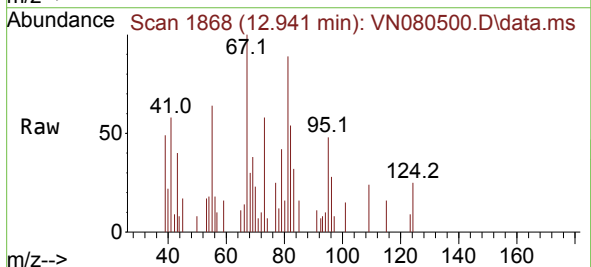
Instrument :
MSVOA_N
ClientSampleId :

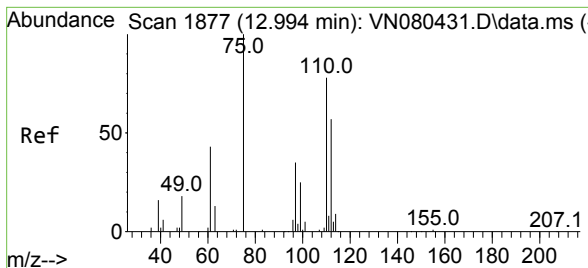
Tgt Ion: 43 Resp: 1805
Ion Ratio Lower Upper
43 100
70 13.7 43.4 65.2#
55 49.9 21.4 32.0#
61 0.0 22.8 34.2#



#75
1,1,2,2-Tetrachloroethane
Concen: 0.489 ug/l
RT: 12.941 min Scan# 1868
Delta R.T. 0.000 min
Lab File: VN080500.D
Acq: 15 Dec 2023 14:00

Tgt Ion: 83 Resp: 1894
Ion Ratio Lower Upper
83 100
131 0.0 5.0 15.0#
85 20.1 31.9 95.7#





#76

1,2,3-Trichloropropane

Concen: 1.661 ug/l

RT: 13.035 min Scan# 1884

Delta R.T. 0.041 min

Lab File: VN080500.D

Acq: 15 Dec 2023 14:00

Instrument :

MSVOA_N

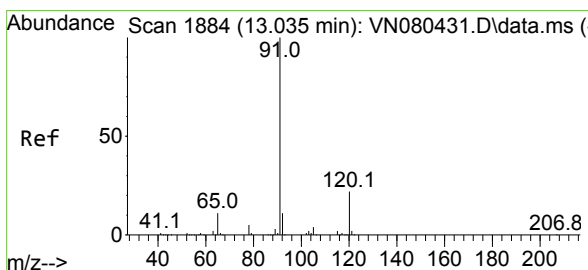
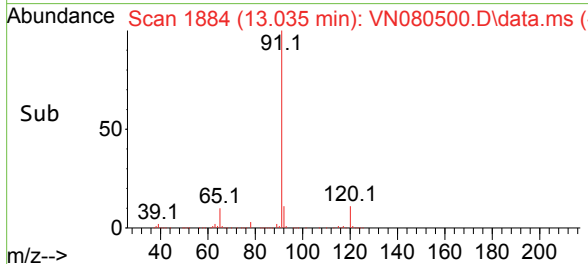
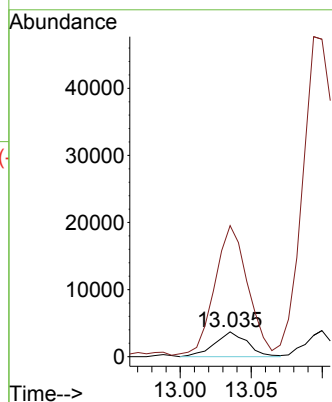
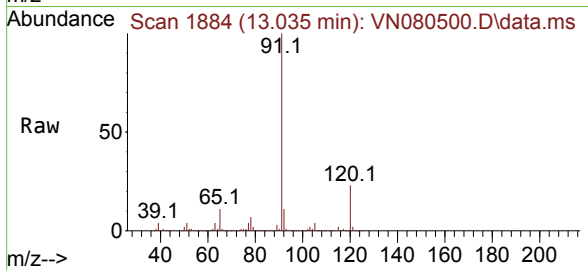
ClientSampleId :

Tgt Ion: 75 Resp: 5963

Ion Ratio Lower Upper

75 100

77 520.9 84.5 253.5#



#78

n-propylbenzene

Concen: 47.124 ug/l

RT: 13.035 min Scan# 1884

Delta R.T. 0.000 min

Lab File: VN080500.D

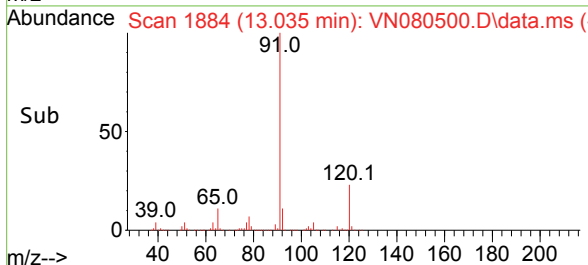
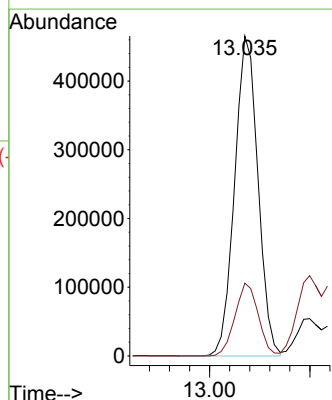
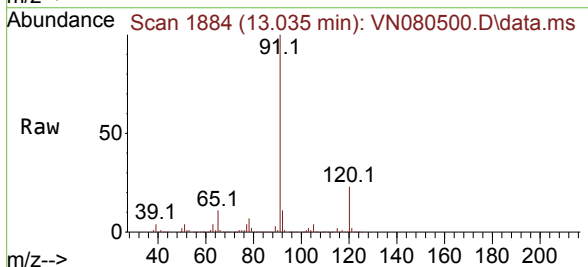
Acq: 15 Dec 2023 14:00

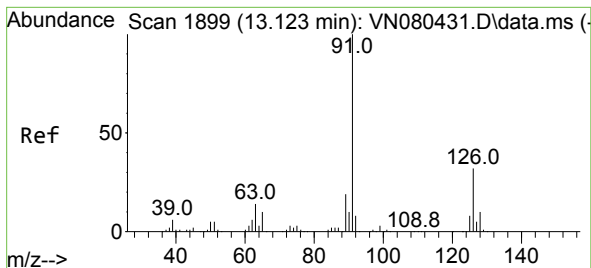
Tgt Ion: 91 Resp: 751227

Ion Ratio Lower Upper

91 100

120 22.8 11.5 34.4





#79

2-Chlorotoluene

Concen: 13.781 ug/l

RT: 13.129 min Scan# 1899

Delta R.T. 0.006 min

Lab File: VN080500.D

Acq: 15 Dec 2023 14:00

Instrument :

MSVOA_N

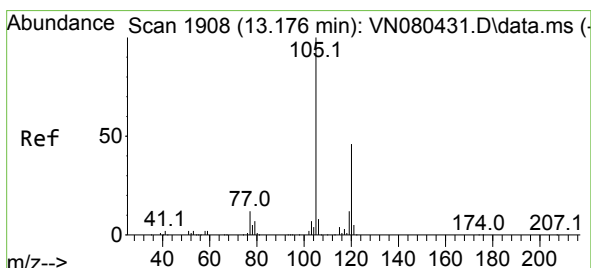
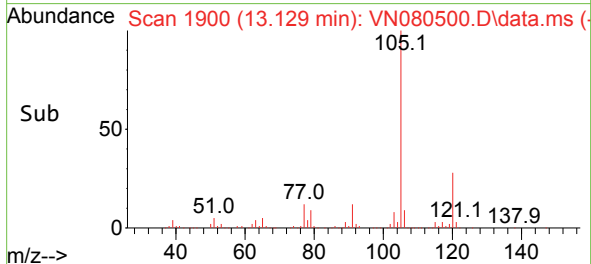
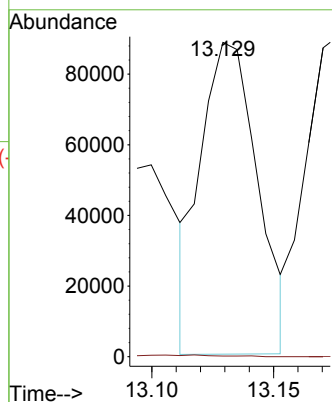
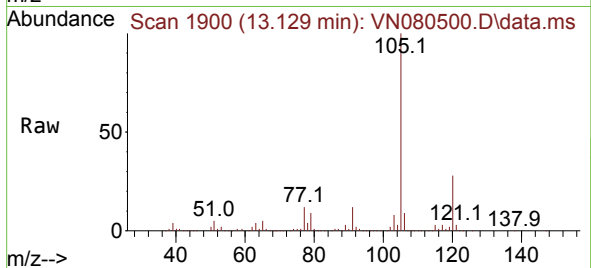
ClientSampleId :

Tgt Ion: 91 Resp: 143427

Ion Ratio Lower Upper

91 100

126 0.6 16.3 48.8#



#80

1,3,5-Trimethylbenzene

Concen: 100.123 ug/l

RT: 13.176 min Scan# 1908

Delta R.T. 0.000 min

Lab File: VN080500.D

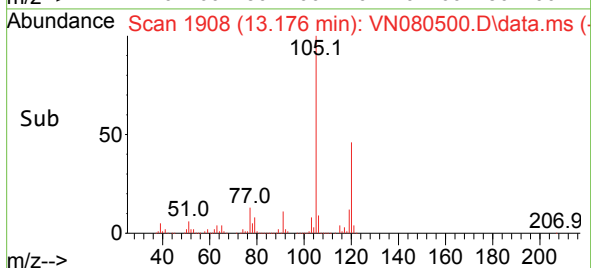
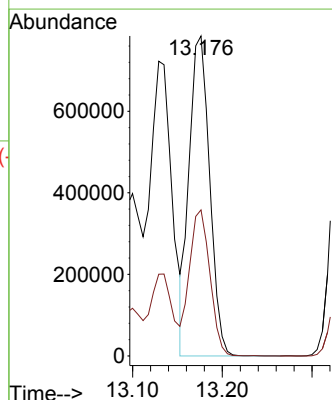
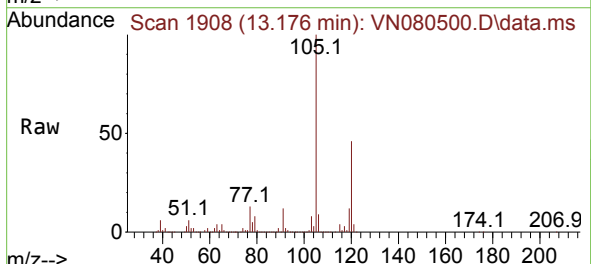
Acq: 15 Dec 2023 14:00

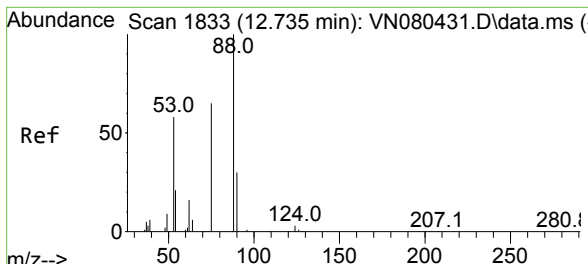
Tgt Ion: 105 Resp: 1246771

Ion Ratio Lower Upper

105 100

120 45.5 24.1 72.3

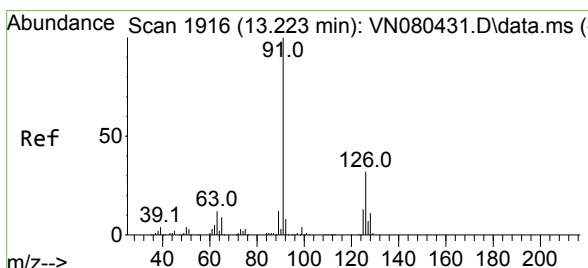
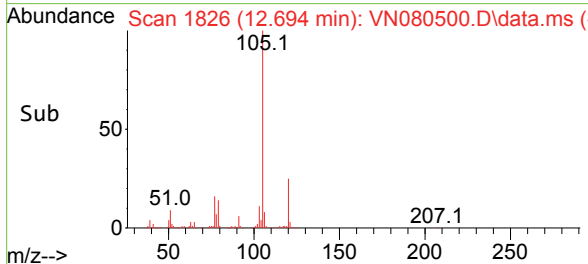
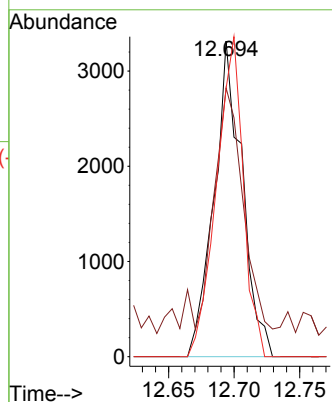
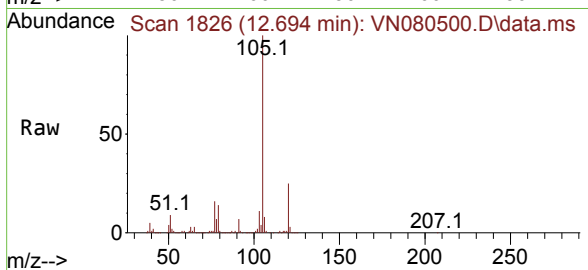




#81
trans-1,4-Dichloro-2-butene
Concen: 3.603 ug/l
RT: 12.694 min Scan# 11
Delta R.T. -0.041 min
Lab File: VN080500.D
Acq: 15 Dec 2023 14:00

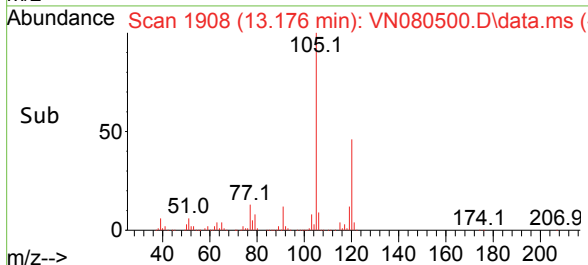
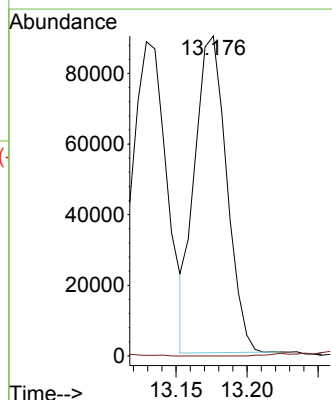
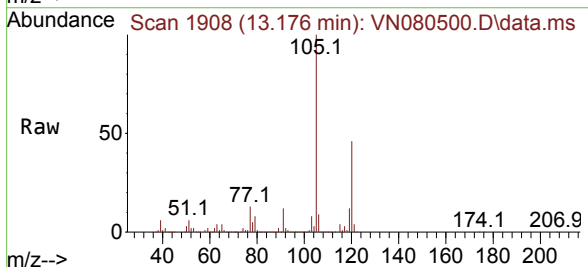
Instrument :
MSVOA_N
ClientSampleId :

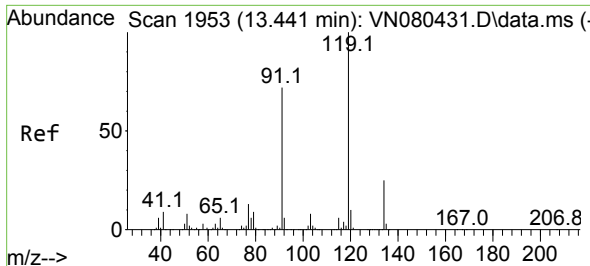
Tgt Ion: 75 Resp: 4927
Ion Ratio Lower Upper
75 100
53 83.3 67.4 101.2
89 96.9 38.8 58.2#



#82
4-Chlorotoluene
Concen: 13.091 ug/l
RT: 13.176 min Scan# 1908
Delta R.T. -0.047 min
Lab File: VN080500.D
Acq: 15 Dec 2023 14:00

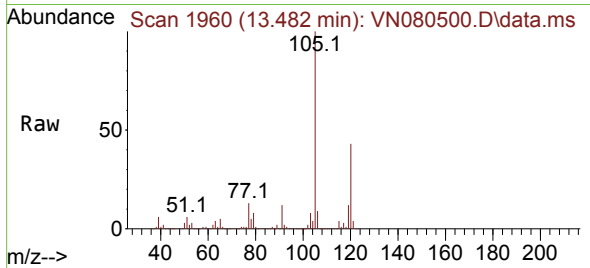
Tgt Ion: 91 Resp: 140042
Ion Ratio Lower Upper
91 100
126 0.0 16.7 50.0#



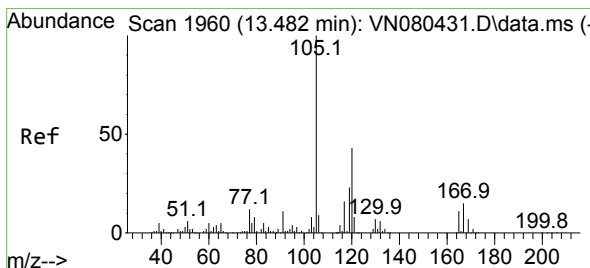
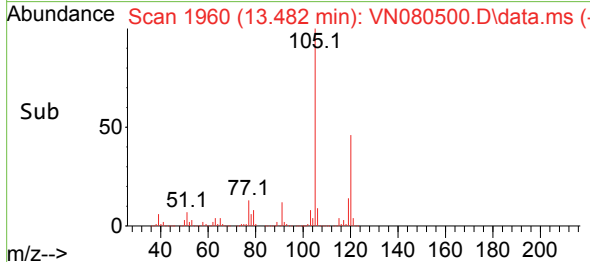
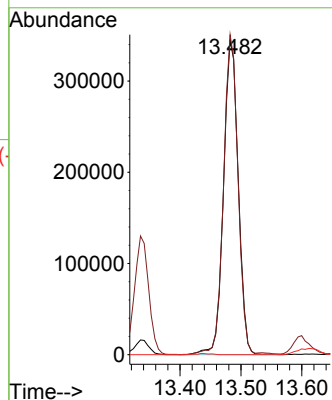


#83
 tert-Butylbenzene
 Concen: 56.754 ug/l
 RT: 13.482 min Scan# 1953
 Delta R.T. 0.041 min
 Lab File: VN080500.D
 Acq: 15 Dec 2023 14:00

Instrument :
 MSVOA_N
 ClientSampleId :

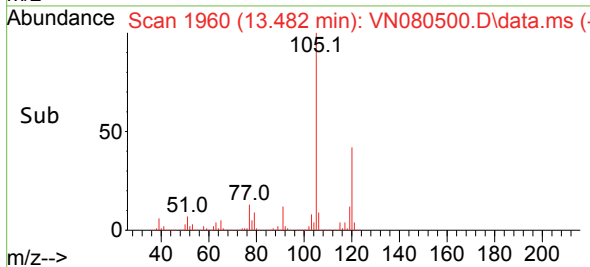
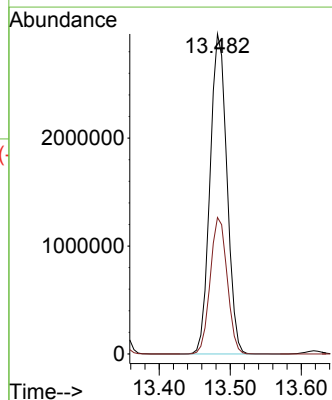
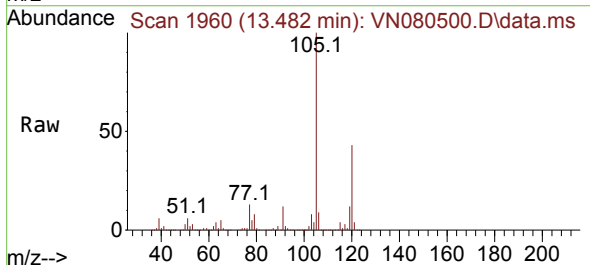


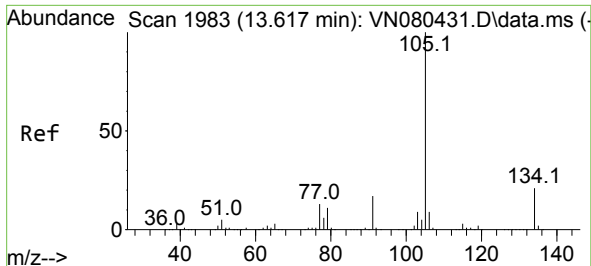
Tgt Ion:119 Resp: 578780
 Ion Ratio Lower Upper
 119 100
 91 100.2 33.9 101.7
 134 0.0 13.2 39.6#



#84
 1,2,4-Trimethylbenzene
 Concen: 394.297 ug/l
 RT: 13.482 min Scan# 1960
 Delta R.T. 0.000 min
 Lab File: VN080500.D
 Acq: 15 Dec 2023 14:00

Tgt Ion:105 Resp: 4884539
 Ion Ratio Lower Upper
 105 100
 120 42.8 22.0 66.0

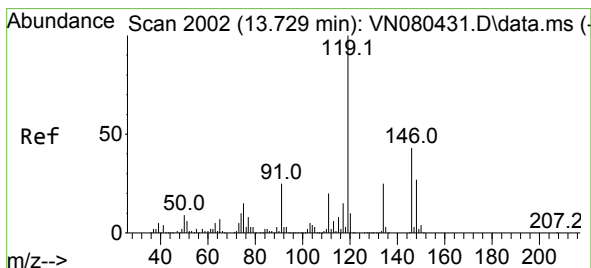
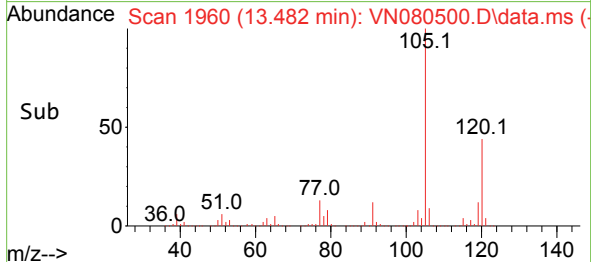
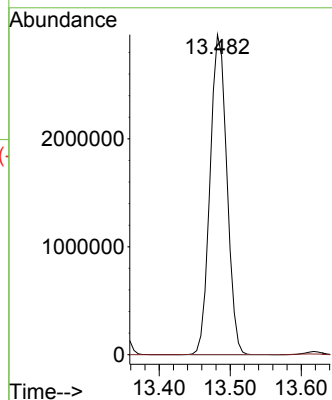
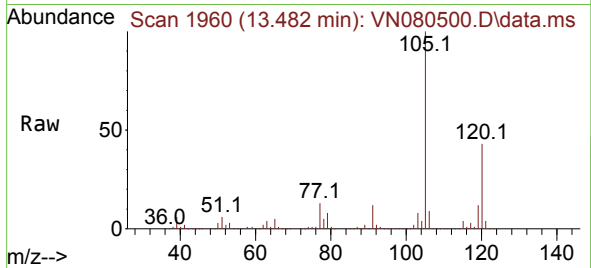




#85
 sec-Butylbenzene
 Concen: 374.426 ug/l
 RT: 13.482 min Scan# 1983
 Delta R.T. -0.135 min
 Lab File: VN080500.D
 Acq: 15 Dec 2023 14:00

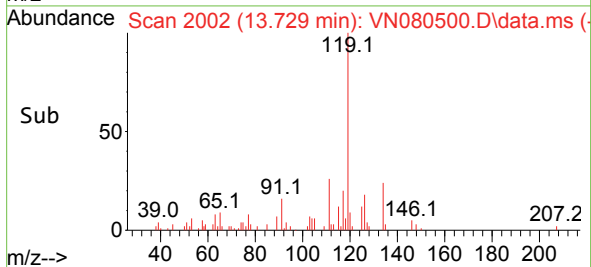
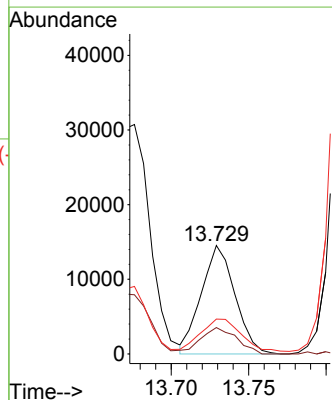
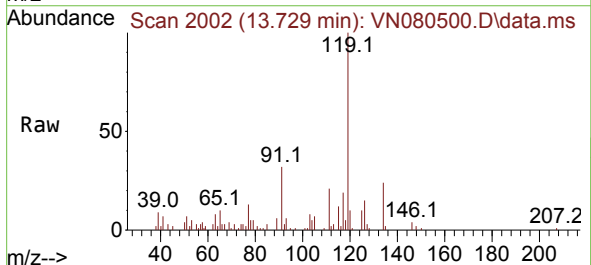
Instrument :
 MSVOA_N
 ClientSampleId :

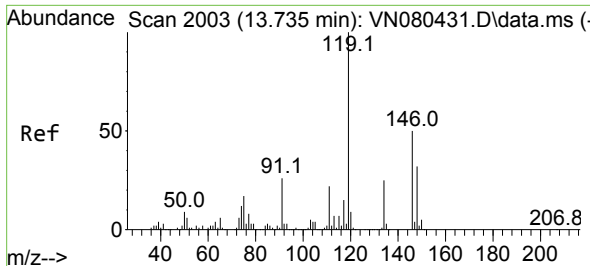
Tgt Ion:105 Resp: 4884539
 Ion Ratio Lower Upper
 105 100
 134 0.0 9.8 29.3#



#86
 p-Isopropyltoluene
 Concen: 1.866 ug/l
 RT: 13.729 min Scan# 2002
 Delta R.T. 0.000 min
 Lab File: VN080500.D
 Acq: 15 Dec 2023 14:00

Tgt Ion:119 Resp: 21979
 Ion Ratio Lower Upper
 119 100
 134 25.7 12.6 37.8
 91 0.0 12.4 37.2#

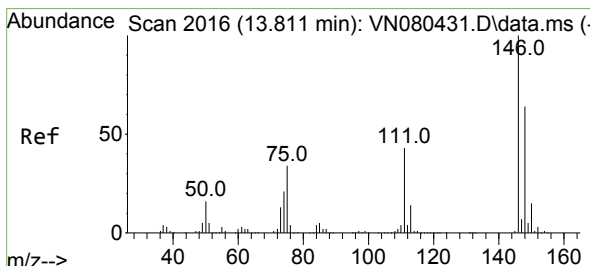
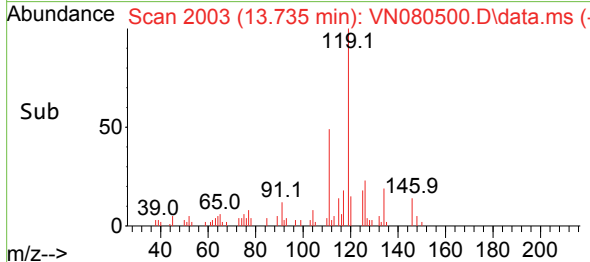
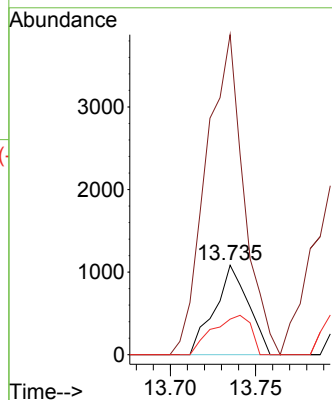
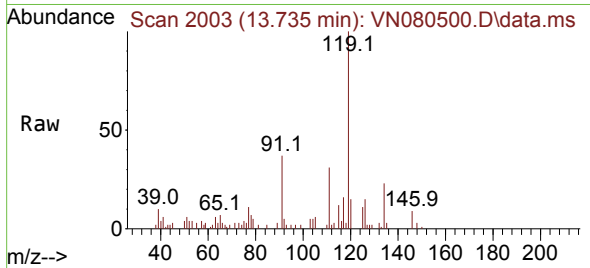




#87
1,3-Dichlorobenzene
Concen: 0.238 ug/l
RT: 13.735 min Scan# 2003
Delta R.T. 0.000 min
Lab File: VN080500.D
Acq: 15 Dec 2023 14:00

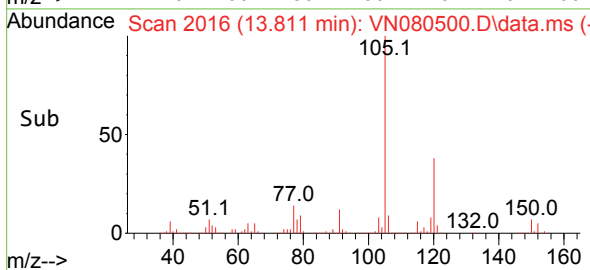
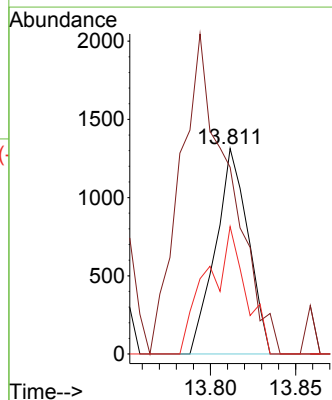
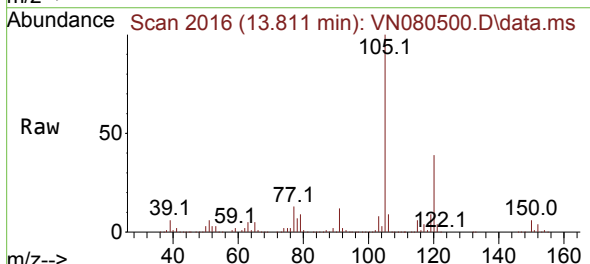
Instrument :
MSVOA_N
ClientSampleId :

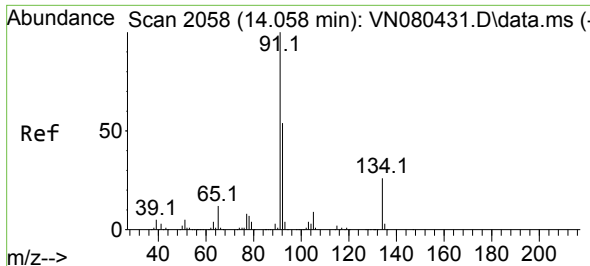
Tgt Ion:146 Resp: 1491
Ion Ratio Lower Upper
146 100
111 401.2 22.1 66.3#
148 49.8 32.0 96.0



#88
1,4-Dichlorobenzene
Concen: 0.276 ug/l
RT: 13.811 min Scan# 2016
Delta R.T. 0.000 min
Lab File: VN080500.D
Acq: 15 Dec 2023 14:00

Tgt Ion:146 Resp: 1749
Ion Ratio Lower Upper
146 100
111 235.2 20.6 61.8#
148 73.5 31.6 94.8

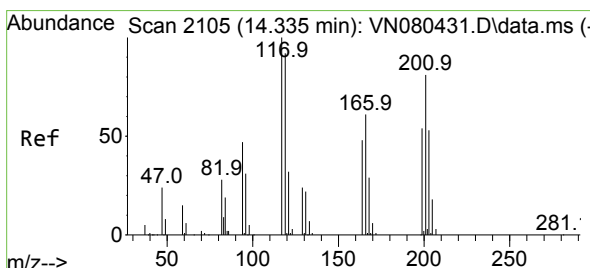
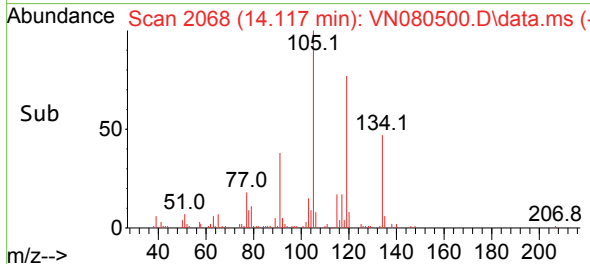
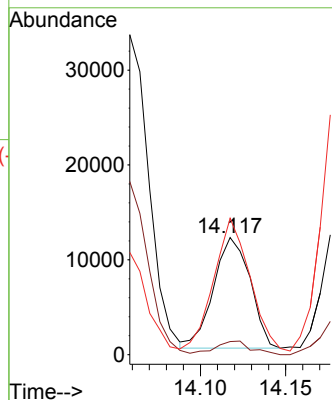
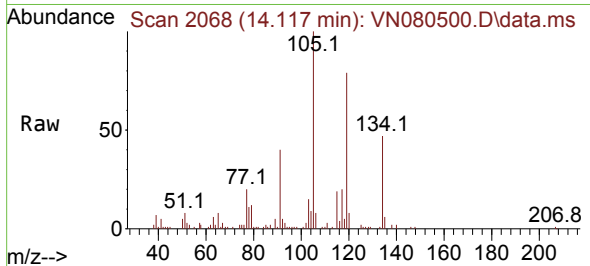




#89
n-Butylbenzene
Concen: 1.777 ug/l
RT: 14.117 min Scan# 2058
Delta R.T. 0.059 min
Lab File: VN080500.D
Acq: 15 Dec 2023 14:00

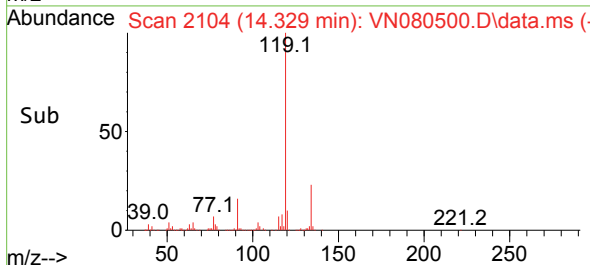
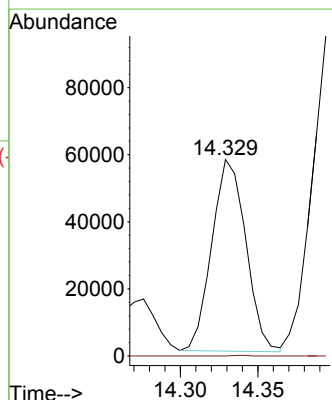
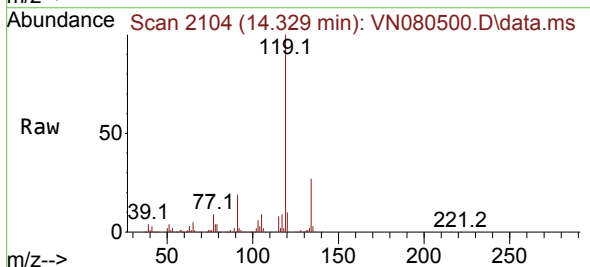
Instrument :
MSVOA_N
ClientSampleId :

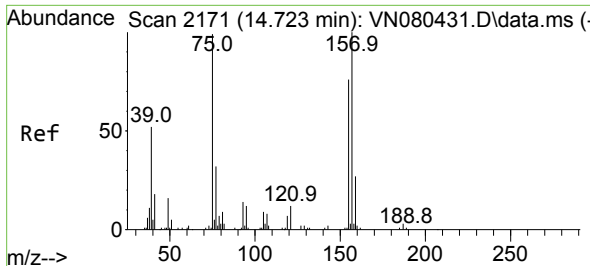
Tgt Ion: 91 Resp: 17484
Ion Ratio Lower Upper
91 100
92 11.9 26.4 79.0#
134 118.1 12.6 37.6#



#90
Hexachloroethane
Concen: 46.605 ug/l
RT: 14.329 min Scan# 2104
Delta R.T. -0.006 min
Lab File: VN080500.D
Acq: 15 Dec 2023 14:00

Tgt Ion: 117 Resp: 87183
Ion Ratio Lower Upper
117 100
201 0.1 29.3 88.0#

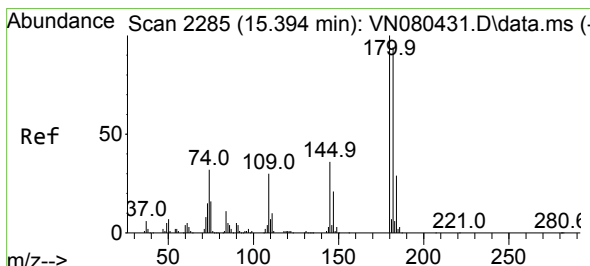
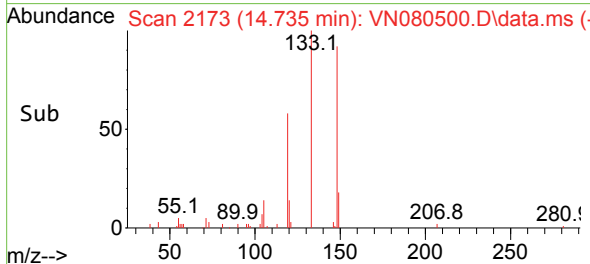
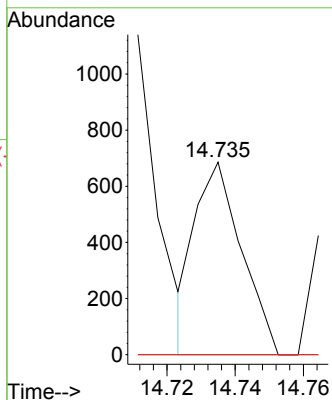
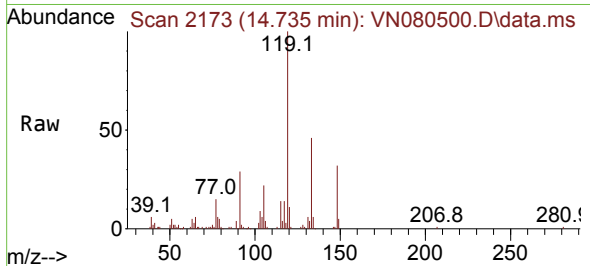




#92
 1,2-Dibromo-3-Chloropropane
 Concen: 0.796 ug/l
 RT: 14.735 min Scan# 2173
 Delta R.T. 0.012 min
 Lab File: VN080500.D
 Acq: 15 Dec 2023 14:00

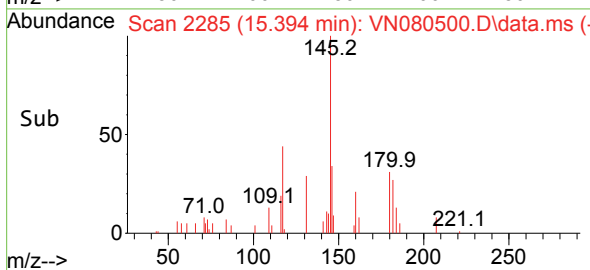
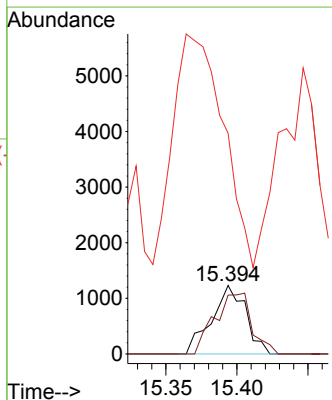
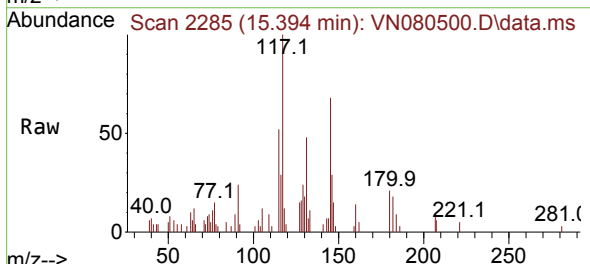
Instrument :
 MSVOA_N
 ClientSampleId :

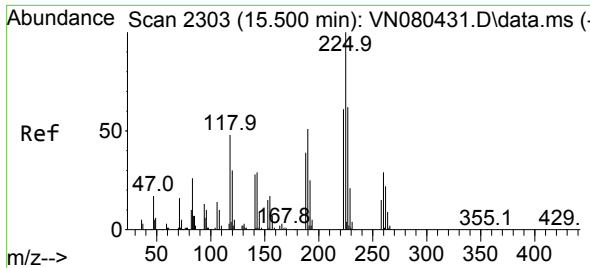
Tgt Ion: 75 Resp: 649
 Ion Ratio Lower Upper
 75 100
 155 0.0 39.1 117.2#
 157 0.0 50.3 150.9#



#93
 1,2,4-Trichlorobenzene
 Concen: 0.621 ug/l
 RT: 15.394 min Scan# 2285
 Delta R.T. 0.000 min
 Lab File: VN080500.D
 Acq: 15 Dec 2023 14:00

Tgt Ion: 180 Resp: 2053
 Ion Ratio Lower Upper
 180 100
 182 96.7 46.1 138.2
 145 0.0 16.6 49.8#

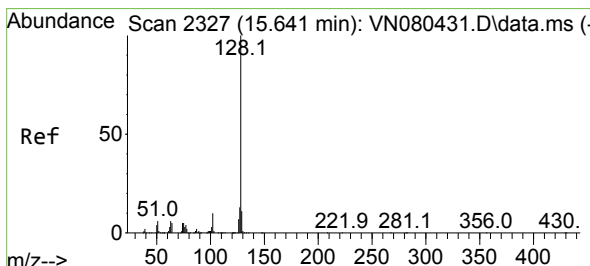
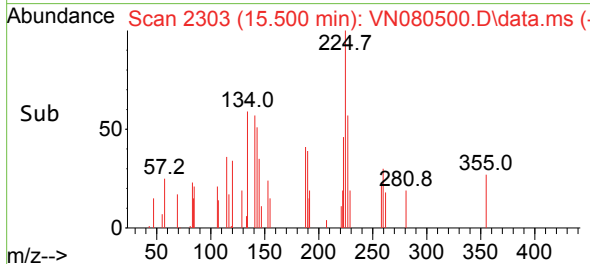
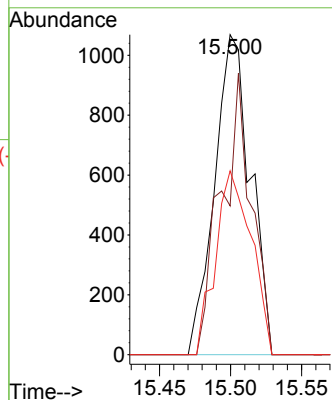
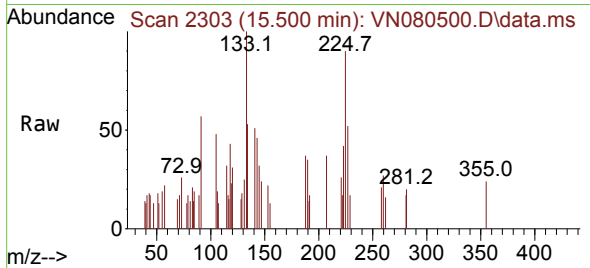




#94
Hexachlorobutadiene
Concen: 1.000 ug/l
RT: 15.500 min Scan# 21
Delta R.T. 0.000 min
Lab File: VN080500.D
Acq: 15 Dec 2023 14:00

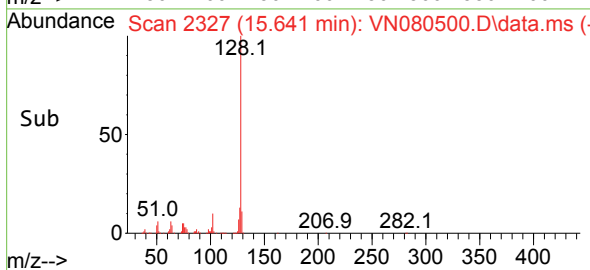
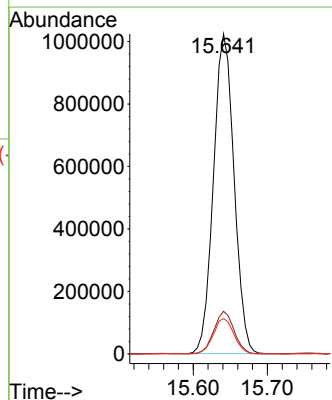
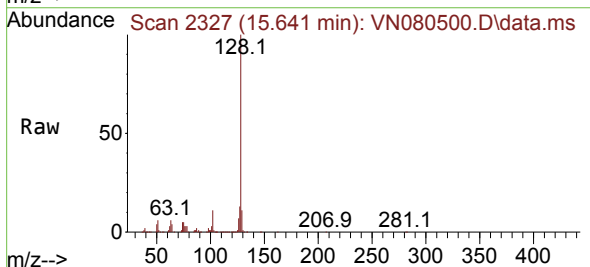
Instrument :
MSVOA_N
ClientSampleId :

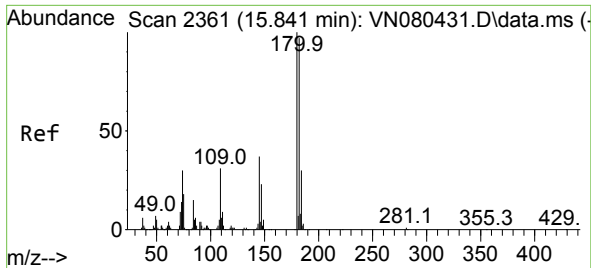
Tgt Ion:225 Resp: 1881
Ion Ratio Lower Upper
225 100
223 74.1 31.3 93.8
227 57.2 31.9 95.9



#95
Naphthalene
Concen: 197.011 ug/l
RT: 15.641 min Scan# 2327
Delta R.T. 0.000 min
Lab File: VN080500.D
Acq: 15 Dec 2023 14:00

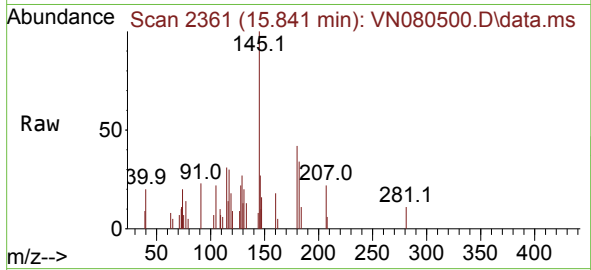
Tgt Ion:128 Resp: 1976552
Ion Ratio Lower Upper
128 100
127 13.1 10.0 15.0
129 11.1 8.7 13.1





#96
 1,2,3-Trichlorobenzene
 Concen: 0.688 ug/l
 RT: 15.841 min Scan# 21
 Delta R.T. 0.000 min
 Lab File: VN080500.D
 Acq: 15 Dec 2023 14:00

Instrument :
 MSVOA_N
 ClientSampleId :



Tgt Ion	Ratio	Lower	Upper
180	100		
182	91.9	46.2	138.6
145	0.0	17.5	52.6

