

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN072023\
 Data File : VN078589.D
 Acq On : 20 Jul 2023 12:57
 Operator : JC\MD
 Sample : 03668-05DL 4X
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Jul 21 06:10:29 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N071023W.M
 Quant Title : SW846 8260
 QLast Update : Mon Jul 10 16:13:53 2023
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	8.235	168	406599	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.112	114	731422	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.871	117	683455	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	285123	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.588	65	263366	48.316	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	96.640%
35) Dibromofluoromethane	8.177	113	271987	54.780	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	109.560%
50) Toluene-d8	10.571	98	864863	46.109	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	92.220%
62) 4-Bromofluorobenzene	12.853	95	320025	55.392	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	110.780%
Target Compounds						
					Qvalue	
3) Chloromethane	2.371	50	1669	0.308	ug/l #	84
5) Bromomethane	2.977	94	2856	Below Cal		86
6) Chloroethane	3.106	64	438	Below Cal	#	43
10) Methyl Iodide	4.595	142	1506	0.247	ug/l #	90
11) Tert butyl alcohol	5.542	59	1172	1.394	ug/l #	72
13) Acrolein	4.189	56	323	0.391	ug/l	96
15) Acrylonitrile	5.741	53	871	0.410	ug/l #	79
16) Acetone	4.453	43	7817	4.604	ug/l	97
17) Carbon Disulfide	4.712	76	3486	0.281	ug/l #	75
18) Methyl Acetate	5.059	43	1970	0.274	ug/l #	63
20) Methylene Chloride	5.283	84	3457	Below Cal	#	63
25) 2-Butanone	7.483	43	702	0.263	ug/l #	37
29) Tetrahydrofuran	7.853	42	1474	0.840	ug/l #	51
31) Cyclohexane	8.265	56	89852	12.197	ug/l	88
36) 1,1-Dichloropropene	8.235	75	33860	4.723	ug/l #	49
38) Carbon Tetrachloride	8.230	117	41832	5.369	ug/l #	15
39) Methylcyclohexane	9.606	83	169284	25.869	ug/l #	87
40) Benzene	8.606	78	4580	0.216	ug/l	96
43) Isopropyl Acetate	8.724	43	5562	0.565	ug/l #	49
45) 1,2-Dichloropropane	9.600	63	2415	0.449	ug/l #	1
48) Methyl methacrylate	9.606	41	74844	16.419	ug/l #	63
49) 1,4-Dioxane	9.700	88	86	0.865	ug/l #	1
51) 4-Methyl-2-Pentanone	10.453	43	3734	0.638	ug/l #	65
52) Toluene	10.641	92	7268	0.552	ug/l	96
55) 1,1,2-Trichloroethane	11.018	97	10791	2.081	ug/l #	21
56) Ethyl methacrylate	10.906	69	6207	0.856	ug/l #	6
59) 2-Hexanone	11.200	43	6119	1.471	ug/l #	59
67) Ethyl Benzene	11.970	91	47885	1.854	ug/l	95
68) m/p-Xylenes	12.082	106	12143	1.272	ug/l	96
69) o-Xylene	12.406	106	7759	0.805	ug/l	88
73) Isopropylbenzene	12.700	105	57977	2.164	ug/l	100
74) N-amyl acetate	12.494	43	2072	0.224	ug/l #	74
75) 1,1,2,2-Tetrachloroethane	12.941	83	1737	Below Cal	#	71
76) 1,2,3-Trichloropropane	12.853	75	169385	24.578	ug/l #	1
77) Bromobenzene	12.994	156	763	Below Cal	#	40
78) n-propylbenzene	13.041	91	66248	2.312	ug/l	100

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

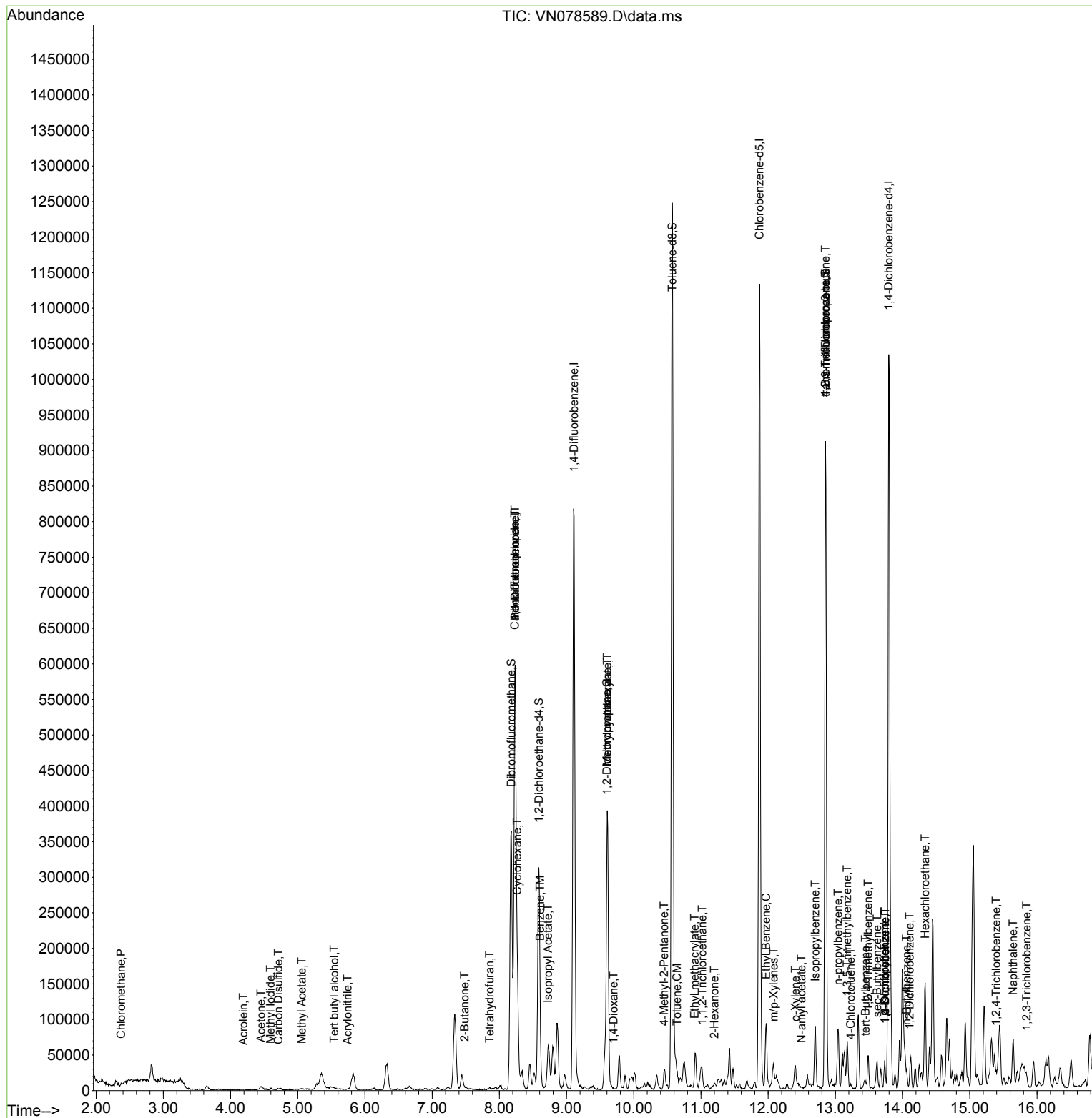
80) 1,3,5-Trimethylbenzene	13.176	105	35196	1.663	ug/l	97
81) trans-1,4-Dichloro-2-b...	12.853	75	169385	64.586	ug/l #	15
82) 4-Chlorotoluene	13.229	91	3886	0.222	ug/l	89
83) tert-Butylbenzene	13.447	119	4687	0.261	ug/l	96
84) 1,2,4-Trimethylbenzene	13.488	105	23750	1.155	ug/l	92
85) sec-Butylbenzene	13.623	105	22331	0.983	ug/l	81
86) p-Isopropyltoluene	13.735	119	15035	0.824	ug/l	88
87) 1,3-Dichlorobenzene	13.741	146	3276	0.319	ug/l	96
88) 1,4-Dichlorobenzene	13.741	146	3276	0.316	ug/l	95
89) n-Butylbenzene	14.059	91	13281	1.018	ug/l #	83
90) Hexachloroethane	14.335	117	10636	2.396	ug/l #	22
91) 1,2-Dichlorobenzene	14.106	146	3230	0.316	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	14.729	75	1097	Below Cal	#	47
93) 1,2,4-Trichlorobenzene	15.394	180	3728	1.141	ug/l #	39
94) Hexachlorobutadiene	15.506	225	2606	Below Cal		88
95) Naphthalene	15.647	128	60872	5.451	ug/l	96
96) 1,2,3-Trichlorobenzene	15.847	180	5505	1.466	ug/l #	80

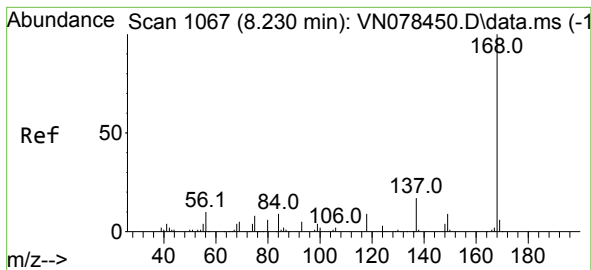
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 8.235 min Scan# 1067

Delta R.T. 0.005 min

Lab File: VN078589.D

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Instrument :

MSVOA_N

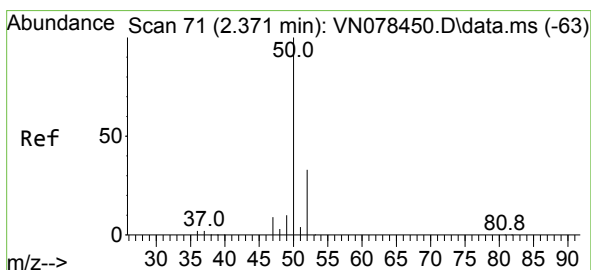
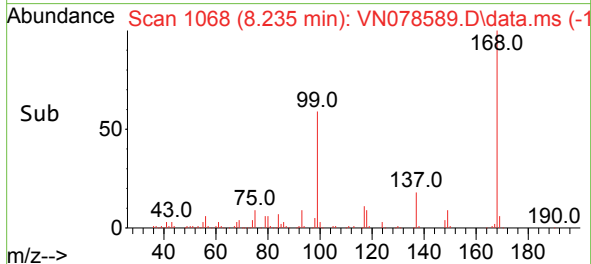
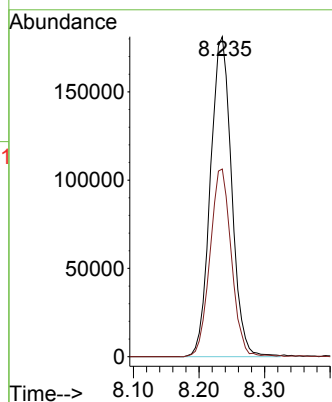
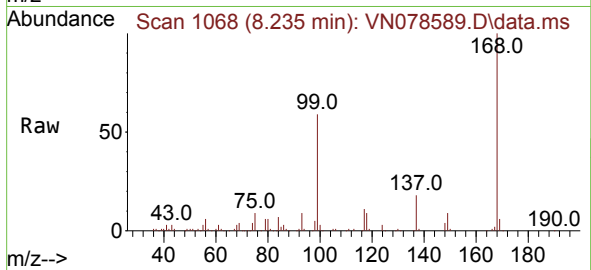
ClientSampleId :

Tgt Ion:168 Resp: 406599

Ion Ratio Lower Upper

168 100

99 58.7 53.0 79.6



#3

Chloromethane

Concen: 0.308 ug/l

RT: 2.371 min Scan# 71

Delta R.T. 0.000 min

Lab File: VN078589.D

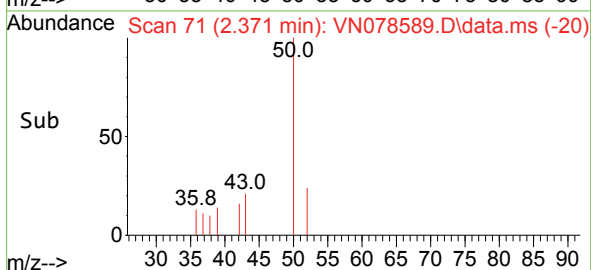
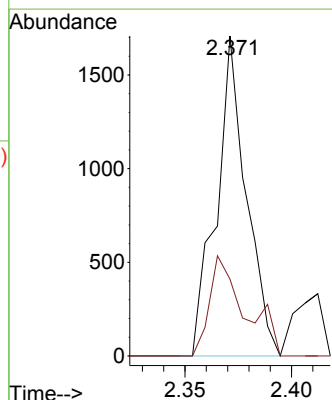
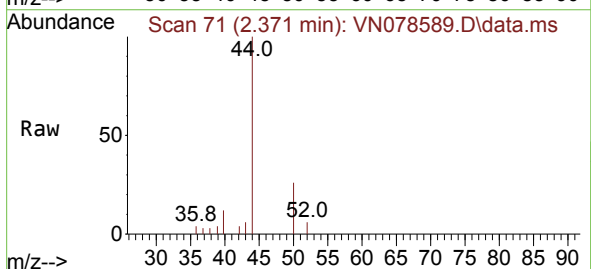
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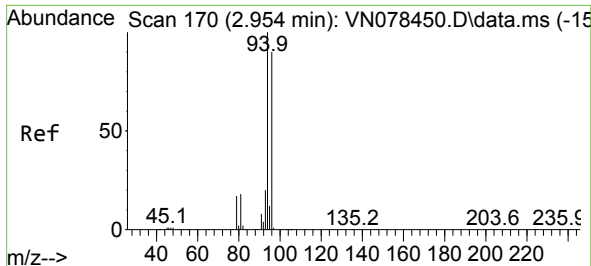
Tgt Ion: 50 Resp: 1669

Ion Ratio Lower Upper

50 100

52 24.0 26.5 39.7#

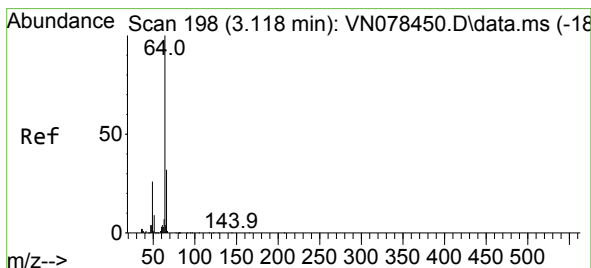
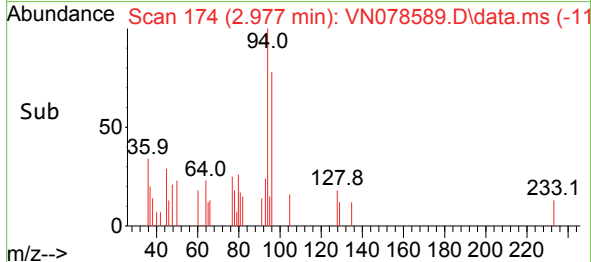
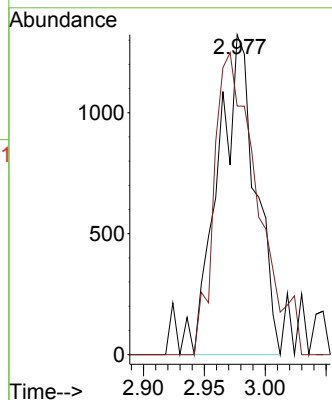
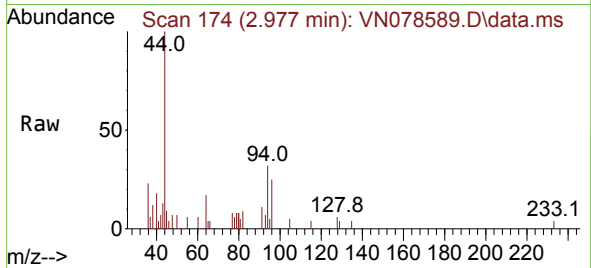




#5
Bromomethane
Concen: Below Cal
RT: 2.977 min Scan# 11
Delta R.T. 0.023 min
Lab File: VN078589.D
Acq: 20 Jul 2023 12:57

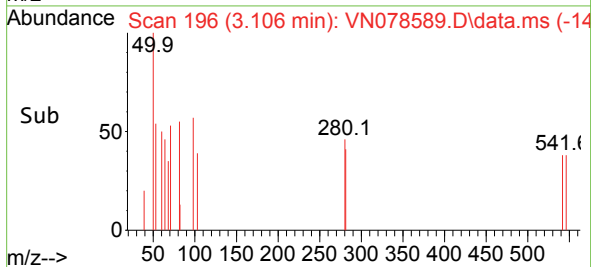
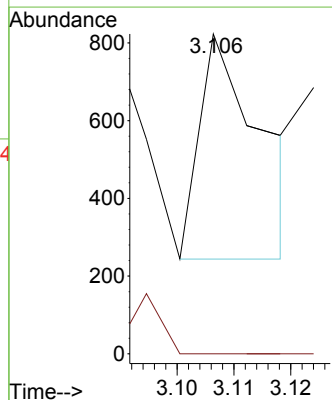
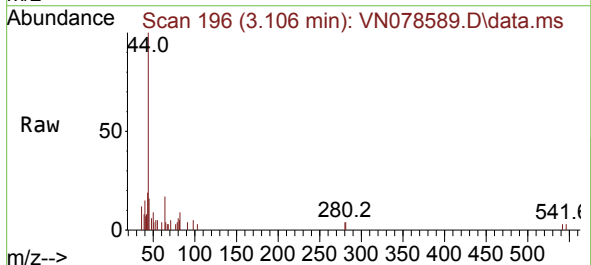
Instrument :
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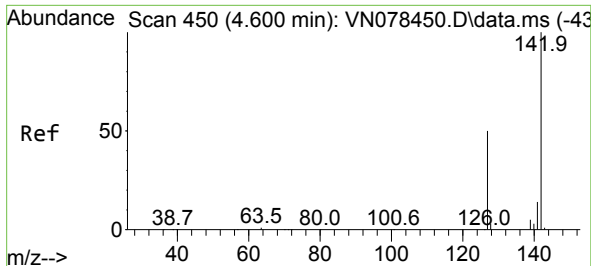
Tgt Ion: 94 Resp: 2856
Ion Ratio Lower Upper
94 100
96 77.7 73.1 109.7



#6
Chloroethane
Concen: Below Cal
RT: 3.106 min Scan# 196
Delta R.T. -0.012 min
Lab File: VN078589.D
Acq: 20 Jul 2023 12:57

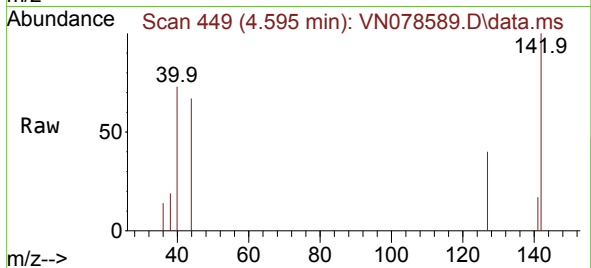
Tgt Ion: 64 Resp: 438
Ion Ratio Lower Upper
64 100
66 0.0 25.4 38.2#



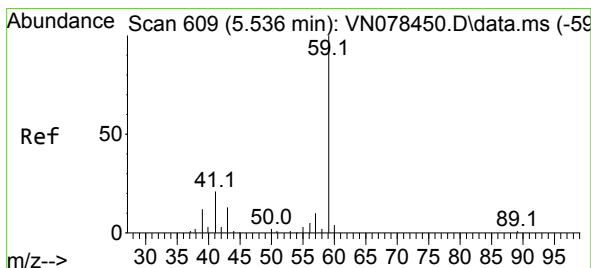
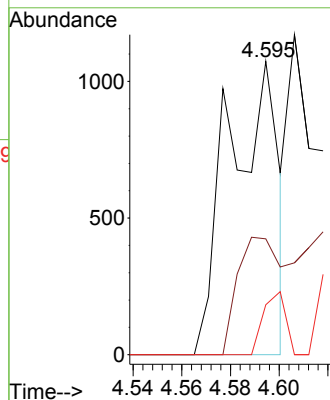
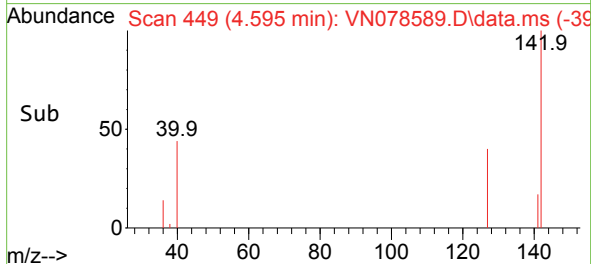


#10
Methyl Iodide
Concen: 0.247 ug/l
RT: 4.595 min Scan# 449
Delta R.T. -0.005 min
Lab File: VN078589.D
Acq: 20 Jul 2023 12:57

Instrument :
MSVOA_N
ClientSampleId :

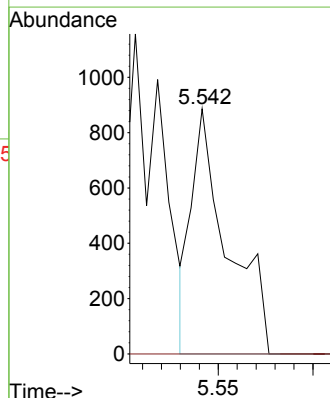
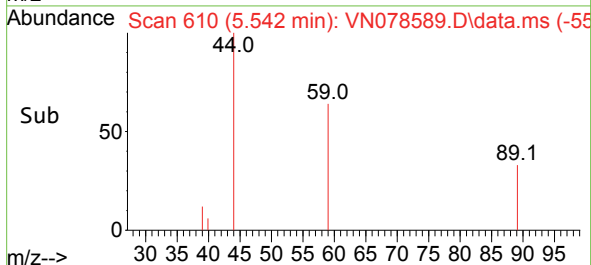
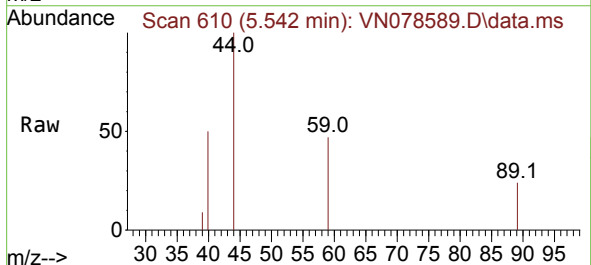


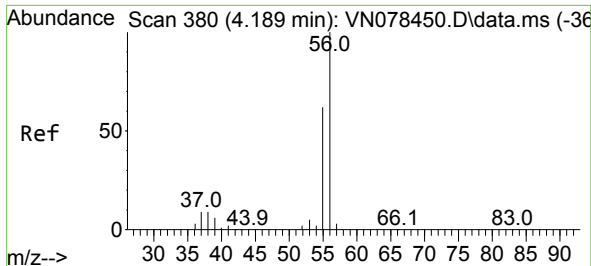
Tgt Ion:142 Resp: 1506
Ion Ratio Lower Upper
142 100
127 39.5 37.6 56.4
141 17.1 11.4 17.0#



#11
Tert butyl alcohol
Concen: 1.394 ug/l
RT: 5.542 min Scan# 610
Delta R.T. 0.006 min
Lab File: VN078589.D
Acq: 20 Jul 2023 12:57

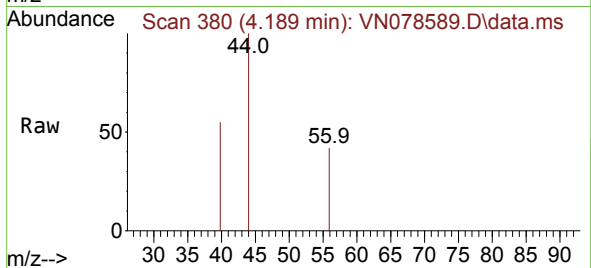
Tgt Ion: 59 Resp: 1172
Ion Ratio Lower Upper
59 100
57 0.0 8.2 12.4#



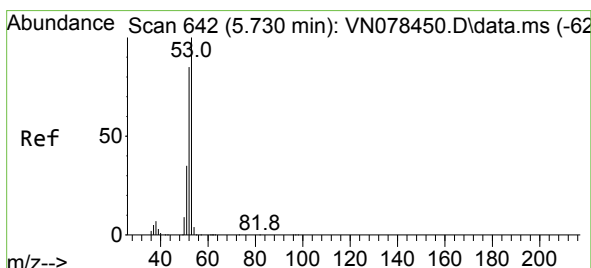
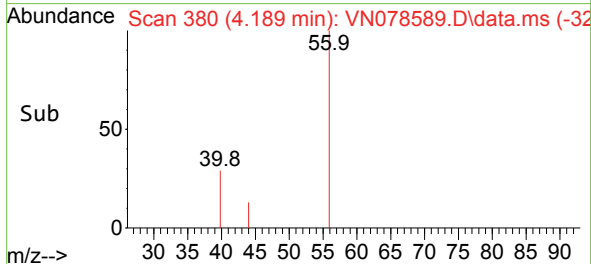
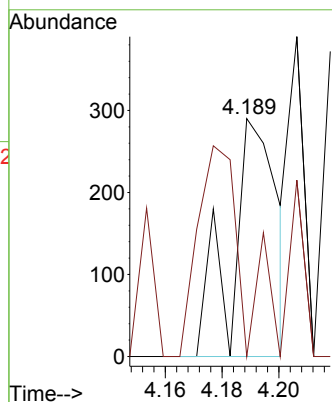


#13
Acrolein
Concen: 0.391 ug/l
RT: 4.189 min Scan# 31
Delta R.T. -0.000 min
Lab File: VN078589.D
Acq: 20 Jul 2023 12:57

Instrument :
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ClientSampleId :

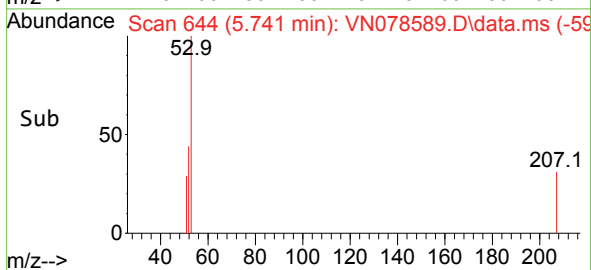
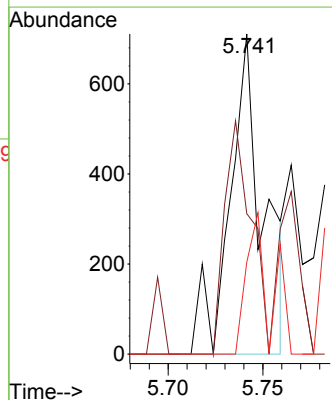
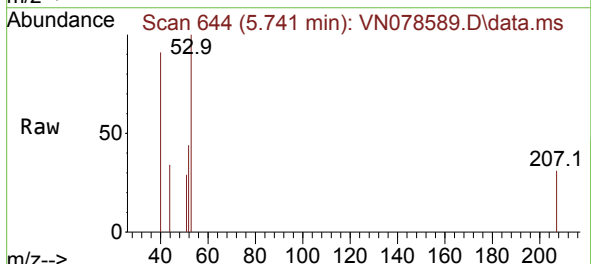


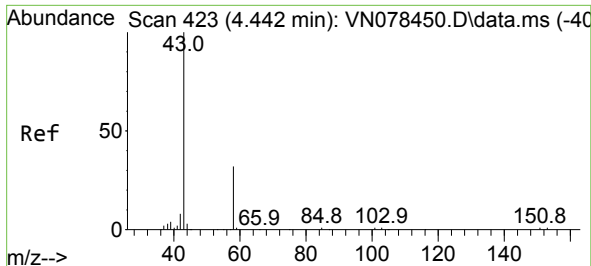
Tgt Ion: 56 Resp: 323
Ion Ratio Lower Upper
56 100
55 71.2 54.5 81.7



#15
Acrylonitrile
Concen: 0.410 ug/l
RT: 5.741 min Scan# 644
Delta R.T. 0.011 min
Lab File: VN078589.D
Acq: 20 Jul 2023 12:57

Tgt Ion: 53 Resp: 871
Ion Ratio Lower Upper
53 100
52 58.3 65.3 97.9#
51 30.9 28.9 43.3

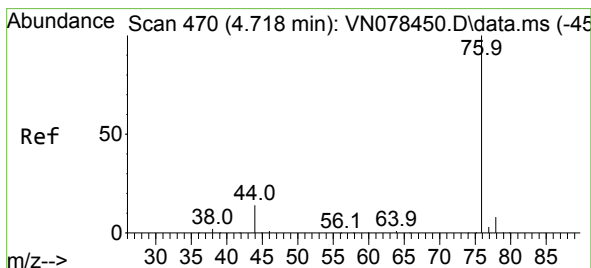
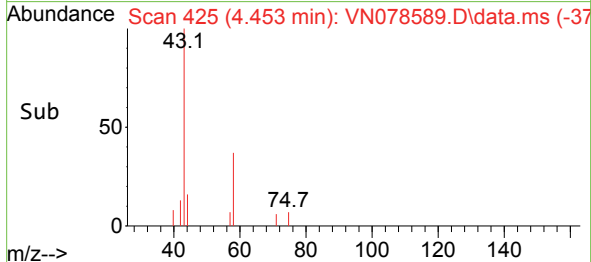
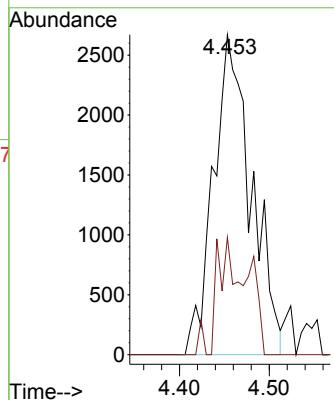
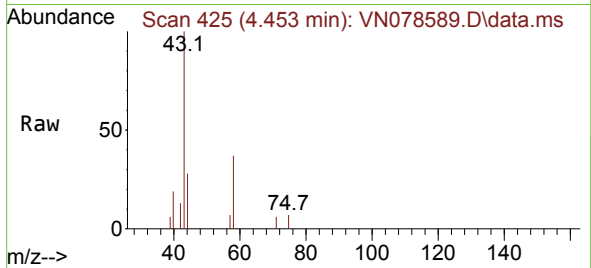




#16
Acetone
Concen: 4.604 ug/l
RT: 4.453 min Scan# 41
Delta R.T. 0.011 min
Lab File: VN078589.D
Acq: 20 Jul 2023 12:57

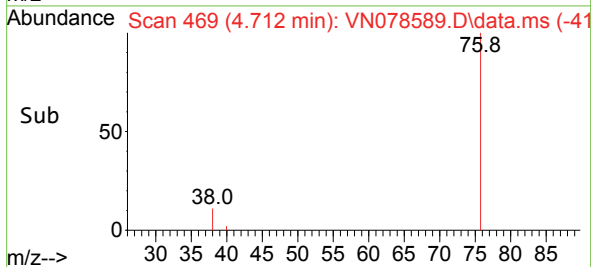
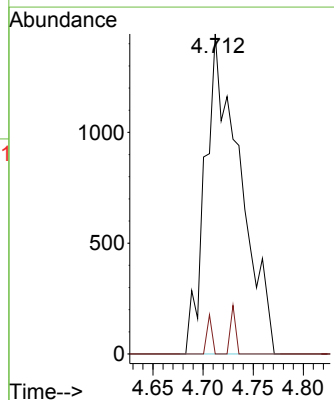
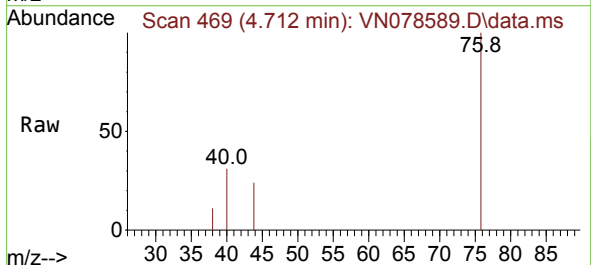
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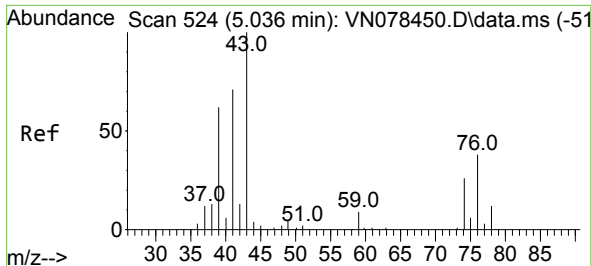
Tgt Ion: 43 Resp: 7817
Ion Ratio Lower Upper
43 100
58 36.7 28.0 42.0



#17
Carbon Disulfide
Concen: 0.281 ug/l
RT: 4.712 min Scan# 469
Delta R.T. -0.006 min
Lab File: VN078589.D
Acq: 20 Jul 2023 12:57

Tgt Ion: 76 Resp: 3486
Ion Ratio Lower Upper
76 100
78 0.0 7.4 11.0#

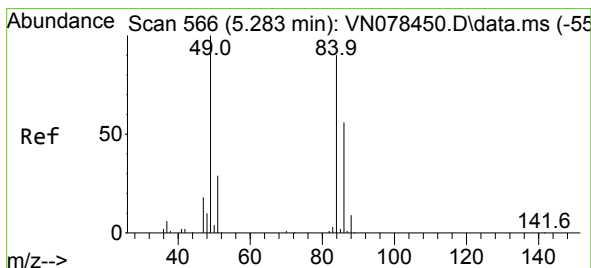
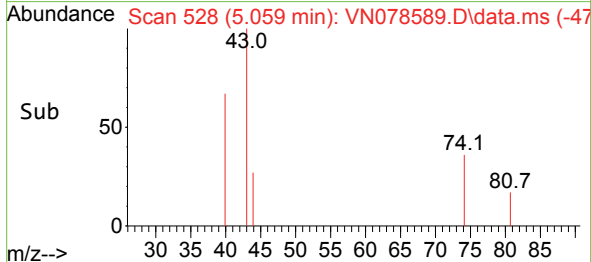
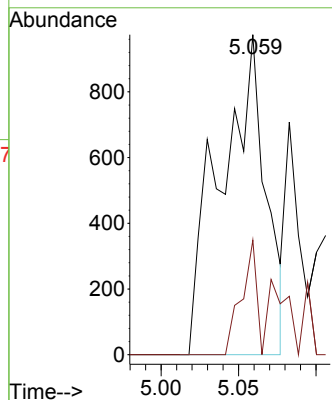
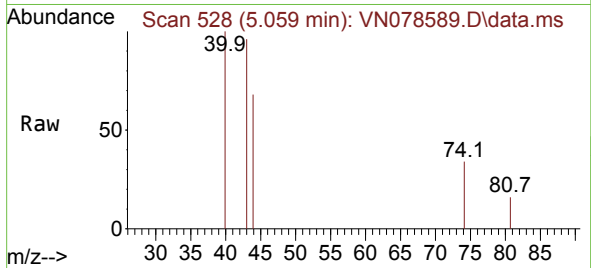




#18
Methyl Acetate
Concen: 0.274 ug/l
RT: 5.059 min Scan# 51
Delta R.T. 0.023 min
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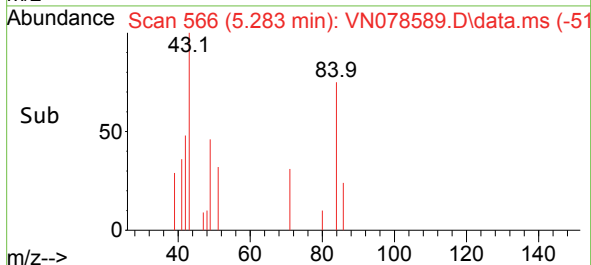
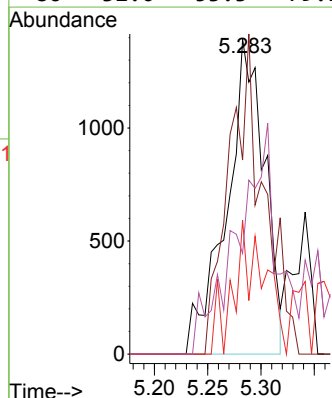
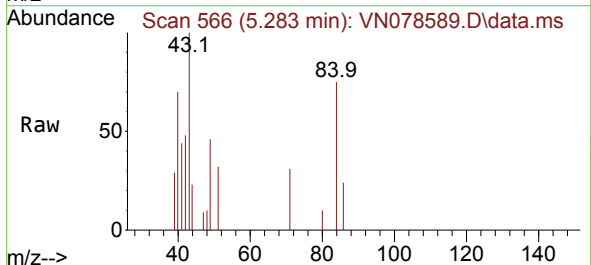
Instrument :
MSVOA_N
ClientSampleId :

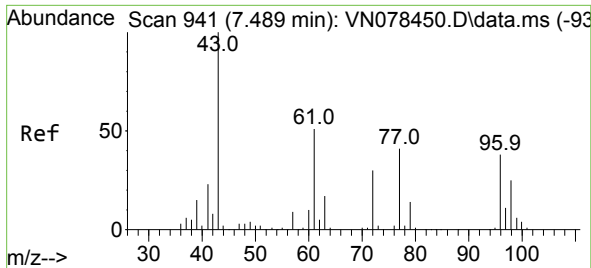
Tgt Ion: 43 Resp: 1970
Ion Ratio Lower Upper
43 100
74 12.0 26.2 39.4#



#20
Methylene Chloride
Concen: Below Cal
RT: 5.283 min Scan# 566
Delta R.T. -0.000 min
Lab File: VN078589.D
Acq: 20 Jul 2023 12:57

Tgt Ion: 84 Resp: 3457
Ion Ratio Lower Upper
84 100
49 61.5 79.7 119.5#
51 42.5 25.2 37.8#
86 32.0 53.3 79.9#

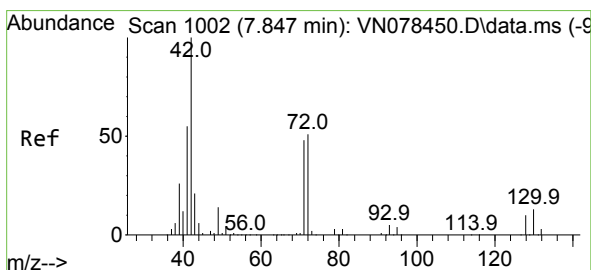
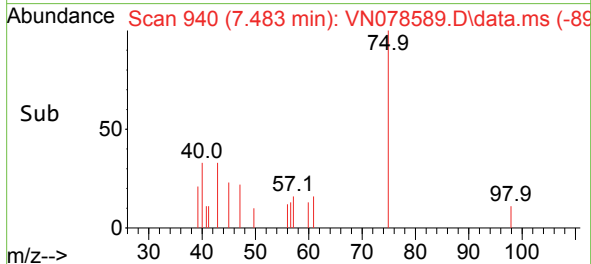
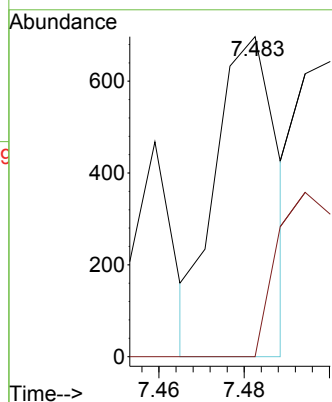
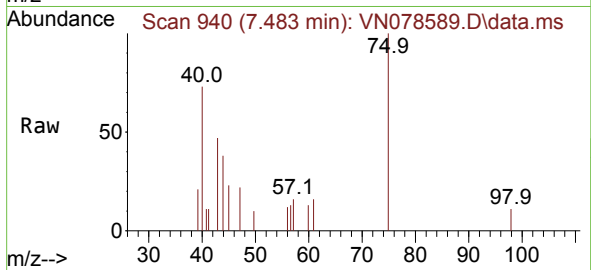




#25
2-Butanone
Concen: 0.263 ug/l
RT: 7.483 min Scan# 941
Delta R.T. -0.006 min
Lab File: VN078589.D
Acq: 20 Jul 2023 12:57

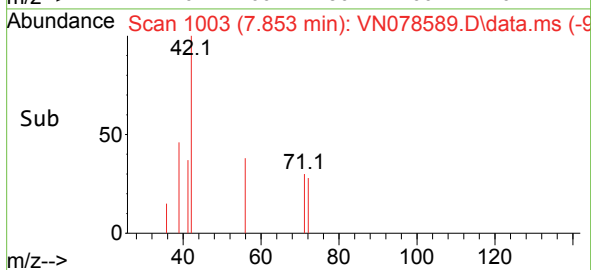
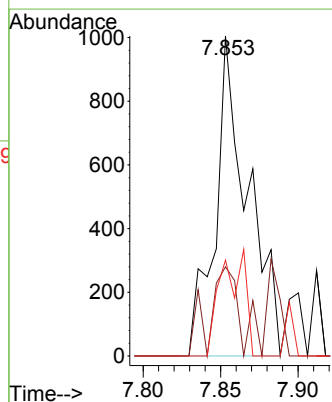
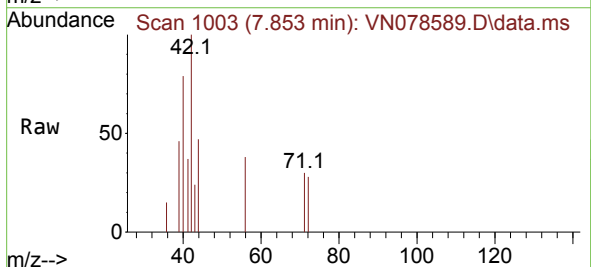
Instrument :
MSVOA_N
ClientSampleId :

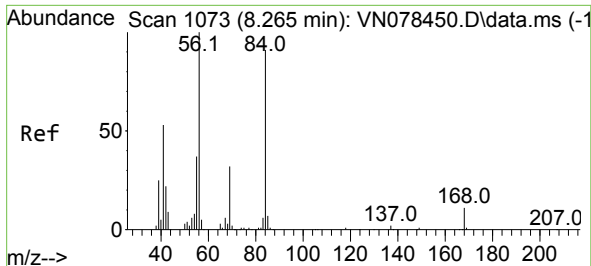
Tgt Ion: 43 Resp: 702
Ion Ratio Lower Upper
43 100
72 0.0 30.2 45.2#



#29
Tetrahydrofuran
Concen: 0.840 ug/l
RT: 7.853 min Scan# 1003
Delta R.T. 0.006 min
Lab File: VN078589.D
Acq: 20 Jul 2023 12:57

Tgt Ion: 42 Resp: 1474
Ion Ratio Lower Upper
42 100
72 22.9 49.8 74.6#
71 24.5 47.4 71.2#

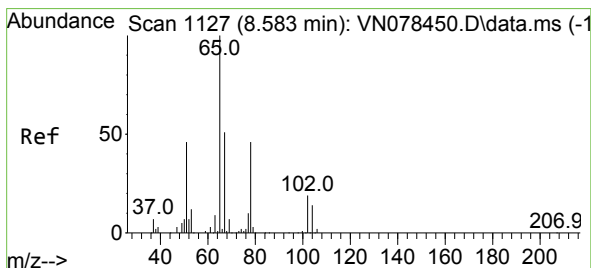
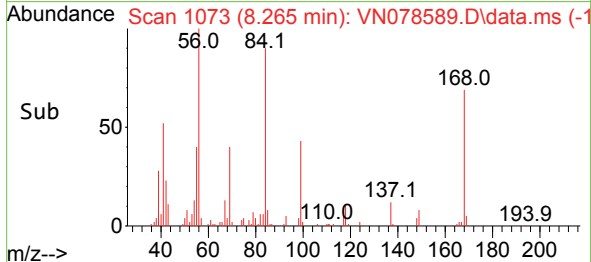
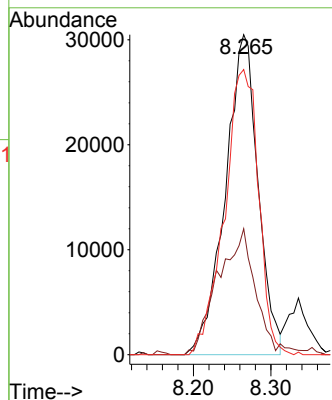
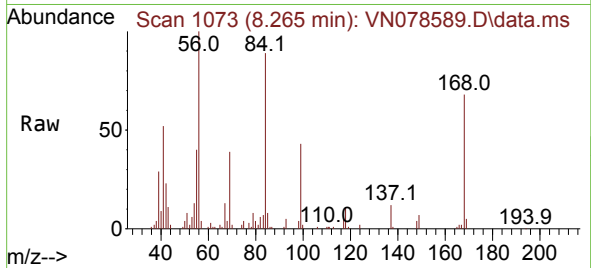




#31
Cyclohexane
Concen: 12.197 ug/l
RT: 8.265 min Scan# 1107
Delta R.T. -0.000 min
Lab File: VN078589.D
Acq: 20 Jul 2023 12:57

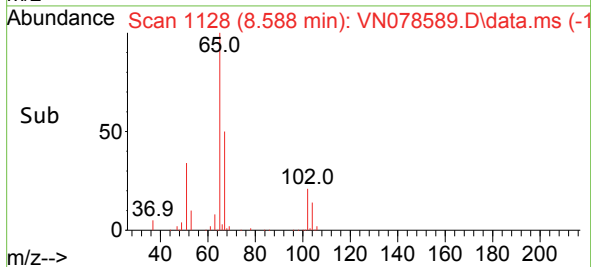
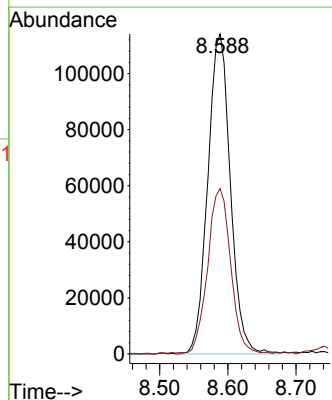
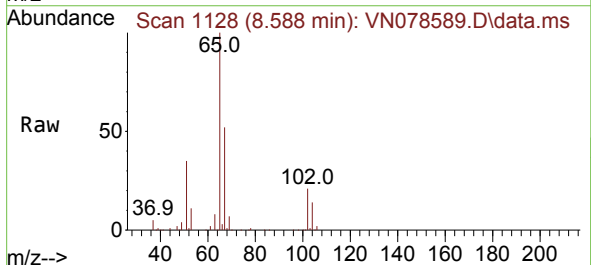
Instrument :
MSVOA_N
ClientSampleId :

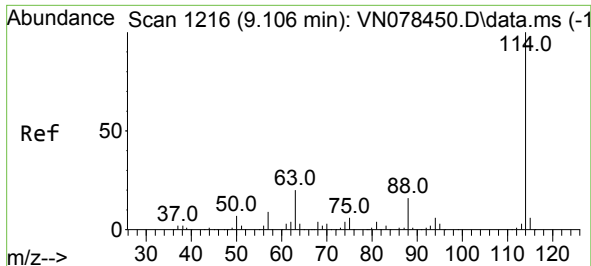
Tgt Ion: 56 Resp: 89852
Ion Ratio Lower Upper
56 100
69 39.4 26.8 40.2
84 89.1 81.8 122.6



#33
1,2-Dichloroethane-d4
Concen: 48.316 ug/l
RT: 8.588 min Scan# 1128
Delta R.T. 0.005 min
Lab File: VN078589.D
Acq: 20 Jul 2023 12:57

Tgt Ion: 65 Resp: 263366
Ion Ratio Lower Upper
65 100
67 53.1 0.0 106.6

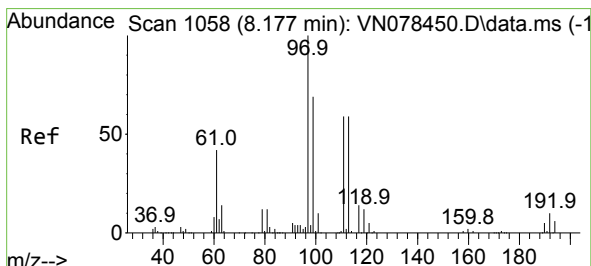
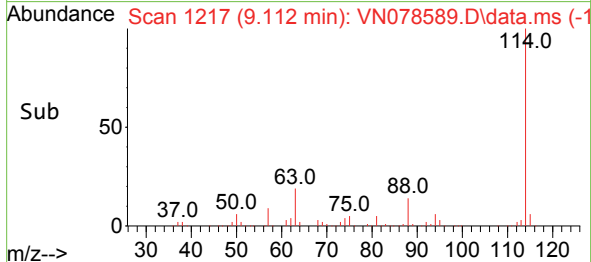
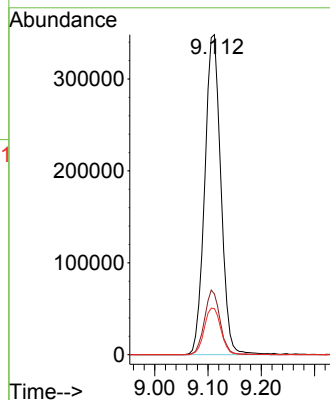
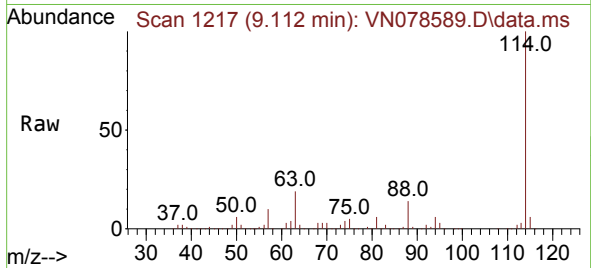




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 9.112 min Scan# 114
Delta R.T. 0.006 min
Lab File: VN078589.D
Acq: 20 Jul 2023 12:57

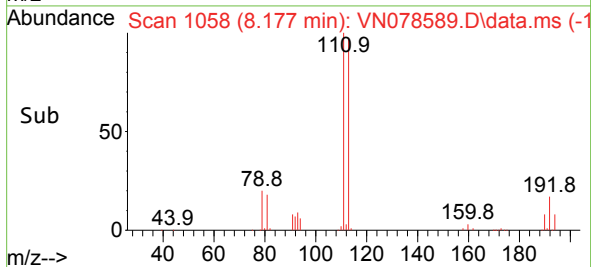
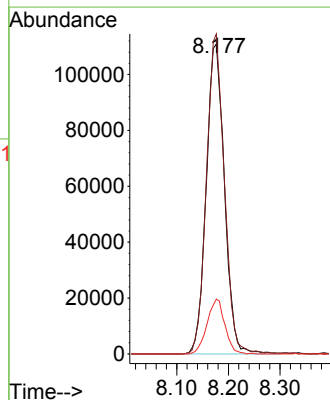
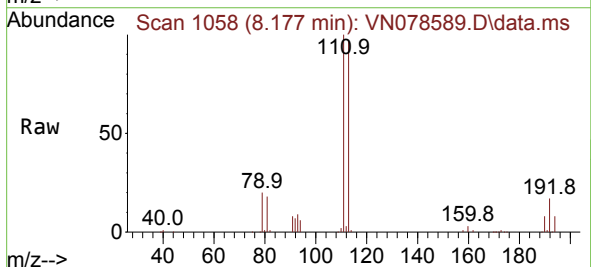
Instrument :
MSVOA_N
ClientSampleId :

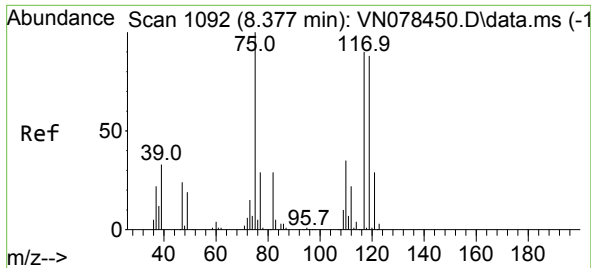
Tgt Ion:114 Resp: 731422
Ion Ratio Lower Upper
114 100
63 18.9 0.0 36.4
88 14.4 0.0 30.6



#35
Dibromofluoromethane
Concen: 54.780 ug/l
RT: 8.177 min Scan# 1058
Delta R.T. -0.000 min
Lab File: VN078589.D
Acq: 20 Jul 2023 12:57

Tgt Ion:113 Resp: 271987
Ion Ratio Lower Upper
113 100
111 101.3 82.6 123.8
192 17.2 12.7 19.1

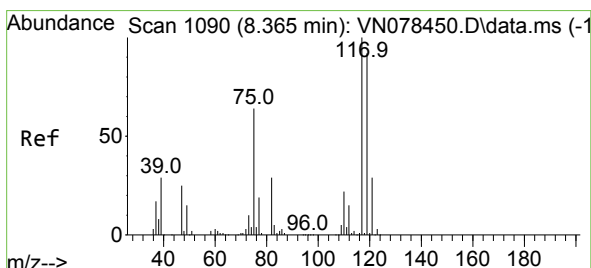
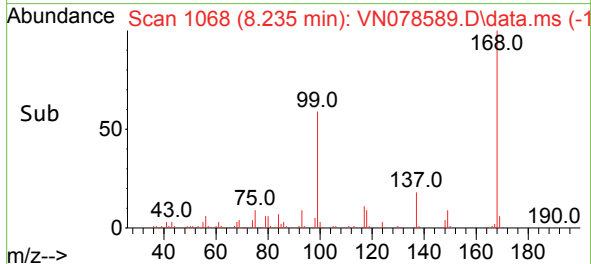
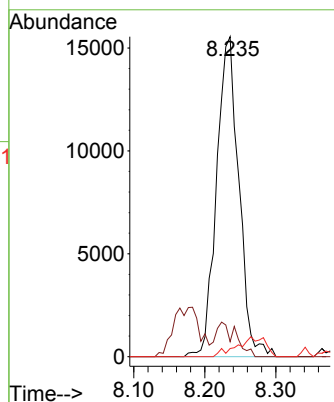
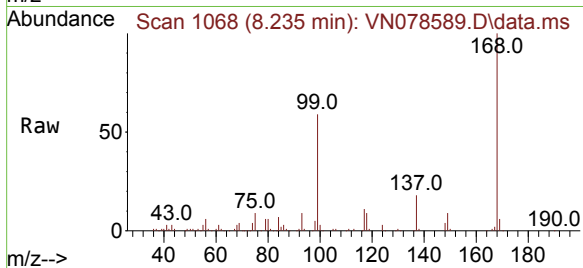




#36
 1,1-Dichloropropene
 Concen: 4.723 ug/l
 RT: 8.235 min Scan# 1068
 Delta R.T. -0.142 min
 Lab File: VN078589.D
 Acq: 20 Jul 2023 12:57

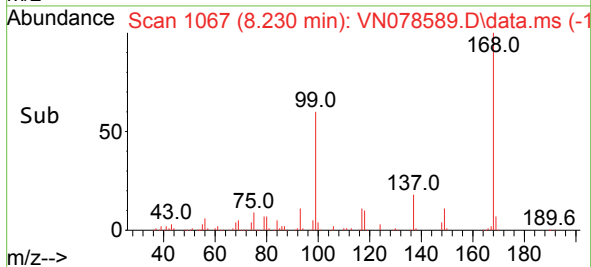
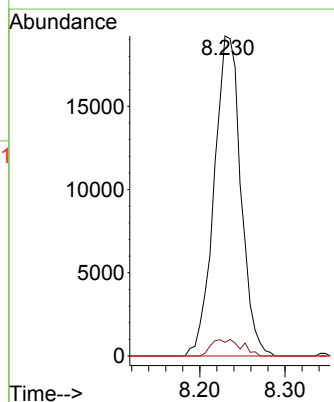
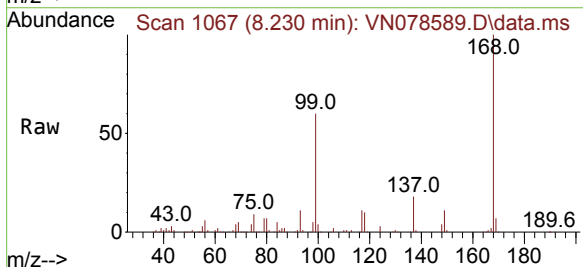
Instrument :
 MSVOA_N
 ClientSampleId :

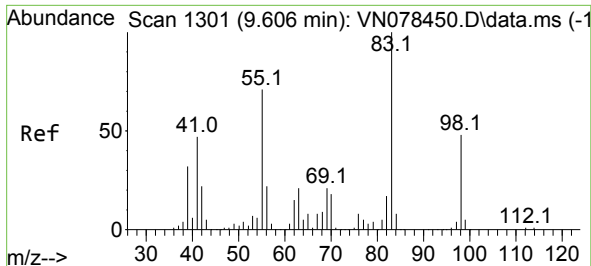
Tgt Ion: 75 Resp: 33860
 Ion Ratio Lower Upper
 75 100
 110 9.8 19.1 57.3#
 77 0.0 25.0 37.4#



#38
 Carbon Tetrachloride
 Concen: 5.369 ug/l
 RT: 8.230 min Scan# 1067
 Delta R.T. -0.135 min
 Lab File: VN078589.D
 Acq: 20 Jul 2023 12:57

Tgt Ion: 117 Resp: 41832
 Ion Ratio Lower Upper
 117 100
 119 4.3 77.3 115.9#
 121 0.0 23.3 34.9#





#39

Methylcyclohexane

Concen: 25.869 ug/l

RT: 9.606 min Scan# 1130

Delta R.T. -0.000 min

Lab File: VN078589.D

Acq: 20 Jul 2023 12:57

Instrument :

MSVOA_N

ClientSampleId :

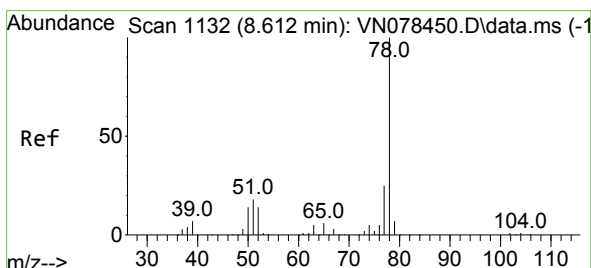
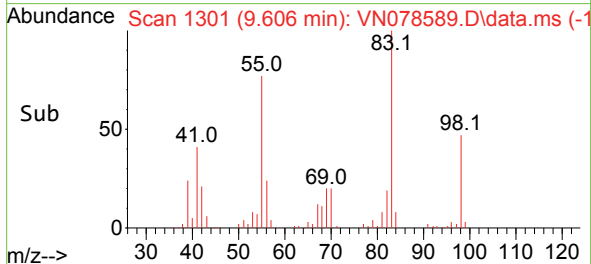
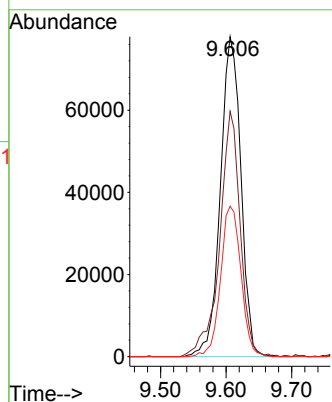
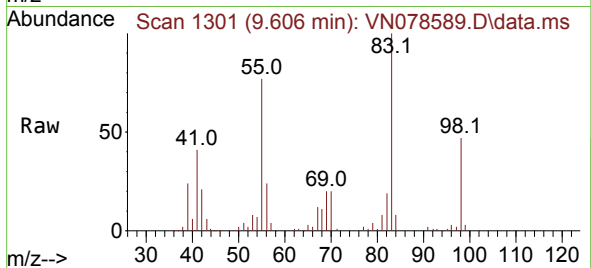
Tgt Ion: 83 Resp: 169284

Ion Ratio Lower Upper

83 100

55 76.7 49.1 73.7#

98 47.0 40.6 61.0



#40

Benzene

Concen: 0.216 ug/l

RT: 8.606 min Scan# 1131

Delta R.T. -0.006 min

Lab File: VN078589.D

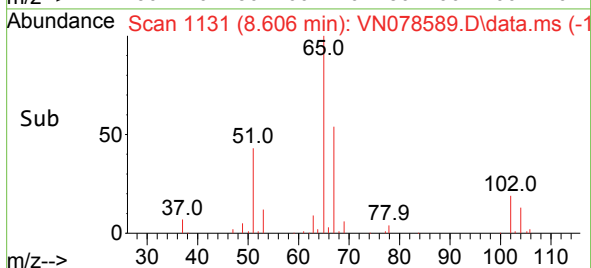
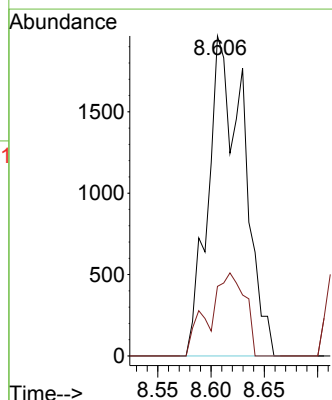
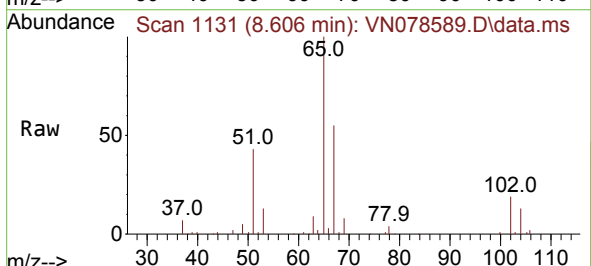
Acq: 20 Jul 2023 12:57

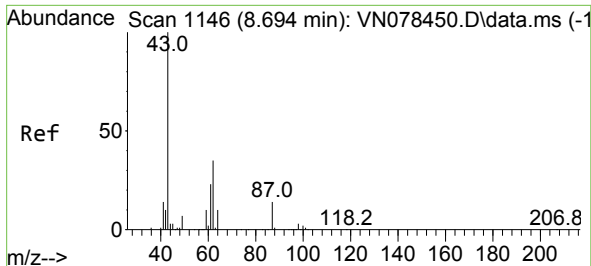
Tgt Ion: 78 Resp: 4580

Ion Ratio Lower Upper

78 100

77 21.8 19.0 28.6

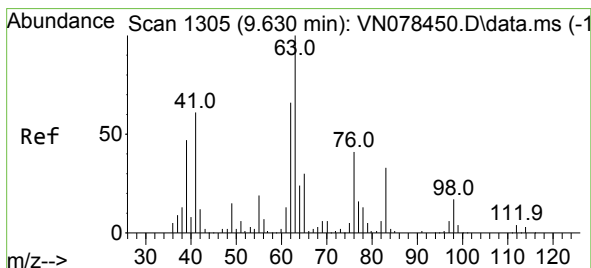
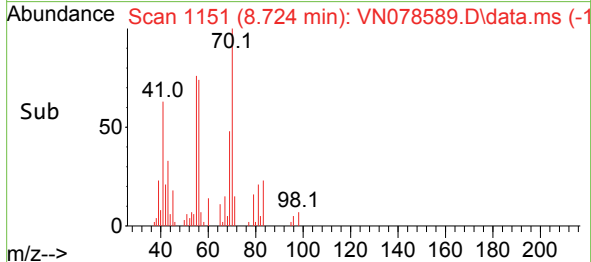
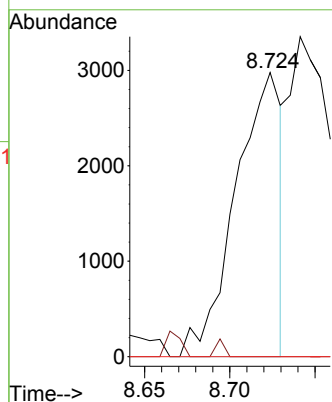
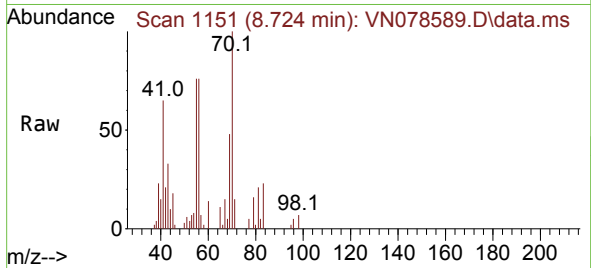




#43
Isopropyl Acetate
Concen: 0.565 ug/l
RT: 8.724 min Scan# 1151
Delta R.T. 0.030 min
Lab File: VN078589.D
Acq: 20 Jul 2023 12:57

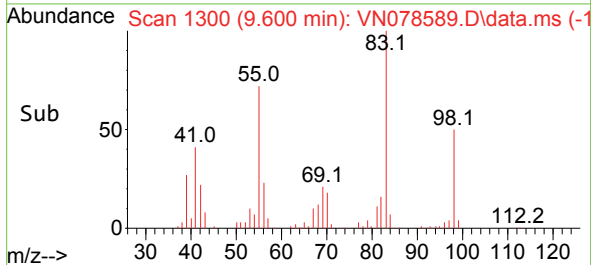
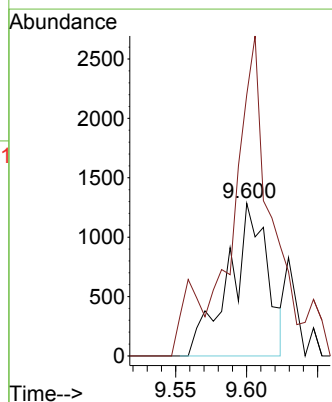
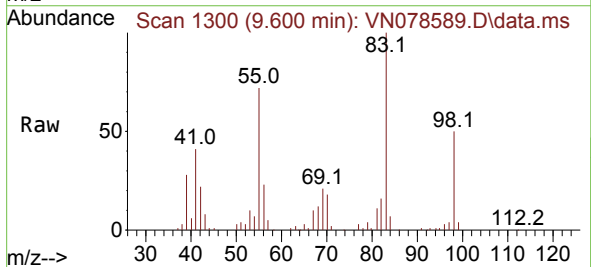
Instrument :
MSVOA_N
ClientSampleId :

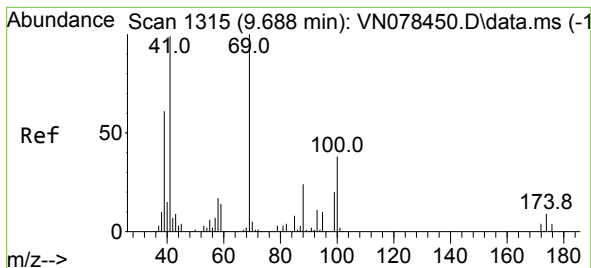
Tgt Ion: 43 Resp: 5562
Ion Ratio Lower Upper
43 100
61 0.0 24.7 37.1#
87 0.0 14.6 21.8#



#45
1,2-Dichloropropane
Concen: 0.449 ug/l
RT: 9.600 min Scan# 1300
Delta R.T. -0.030 min
Lab File: VN078589.D
Acq: 20 Jul 2023 12:57

Tgt Ion: 63 Resp: 2415
Ion Ratio Lower Upper
63 100
65 145.4 23.9 35.9#





#48

Methyl methacrylate

Concen: 16.419 ug/l

RT: 9.606 min Scan# 1301

Delta R.T. -0.082 min

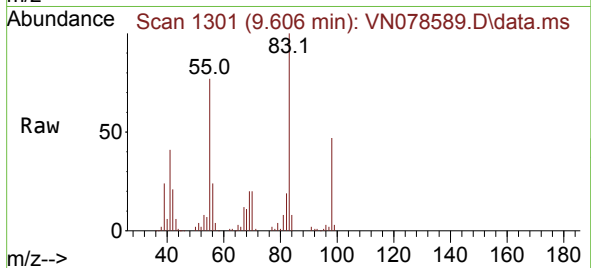
Lab File: VN078589.D

Acq: 20 Jul 2023 12:57

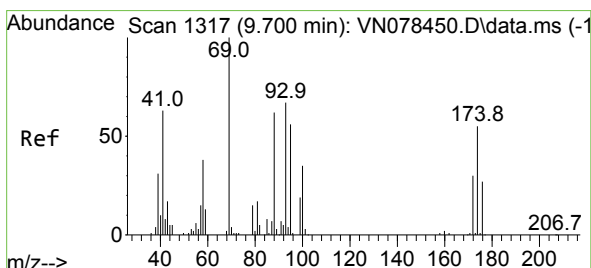
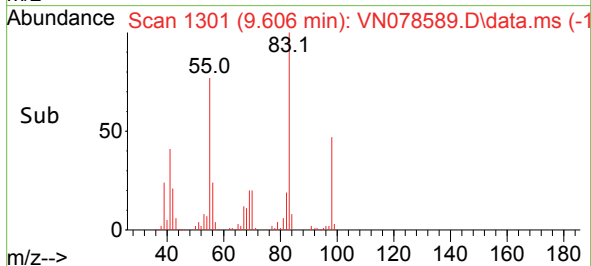
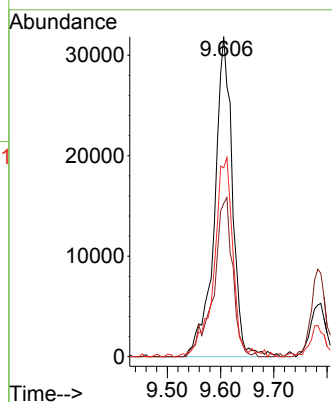
Instrument :

MSVOA_N

ClientSampleId :



Tgt Ion:	41	Resp:	74844
Ion	Ratio	Lower	Upper
41	100		
69	52.3	90.4	135.6#
39	64.2	54.6	81.8



#49

1,4-Dioxane

Concen: 0.865 ug/l

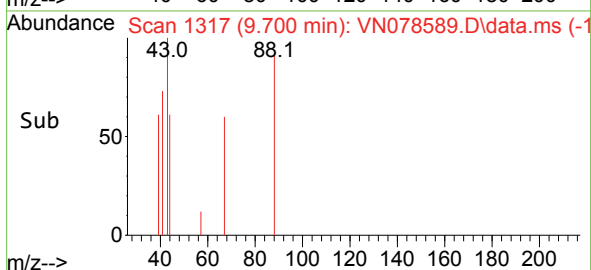
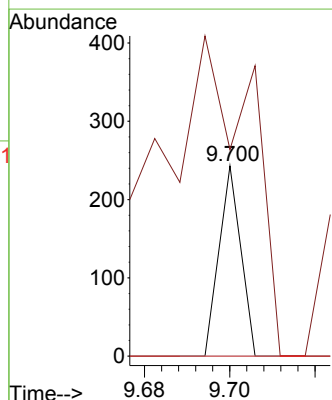
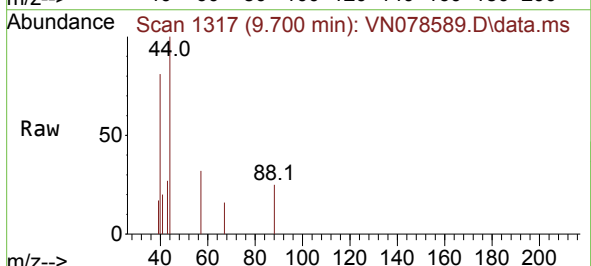
RT: 9.700 min Scan# 1317

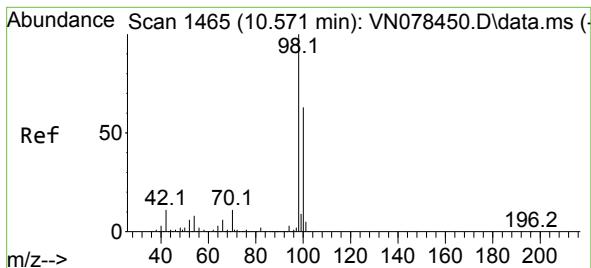
Delta R.T. 0.000 min

Lab File: VN078589.D

Acq: 20 Jul 2023 12:57

Tgt Ion:	88	Resp:	86
Ion	Ratio	Lower	Upper
88	100		
43	427.9	17.0	25.6#
58	0.0	47.0	70.4#





#50

Toluene-d8

Concen: 46.109 ug/l

RT: 10.571 min Scan# 1465

Delta R.T. -0.000 min

Lab File: VN078589.D

Acq: 20 Jul 2023 12:57

Instrument :

MSVOA_N

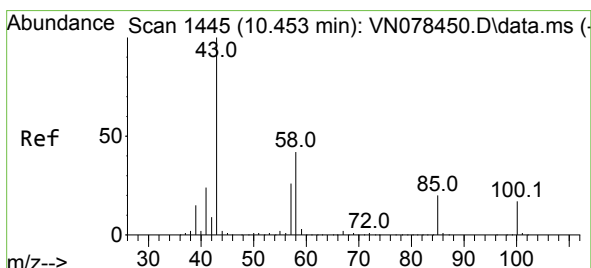
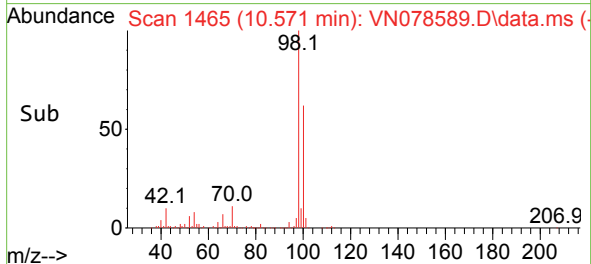
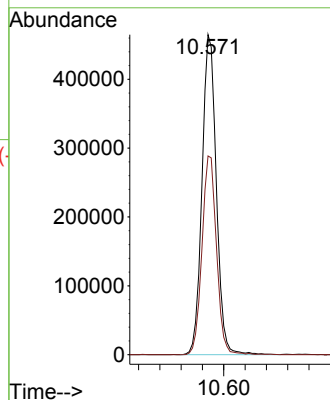
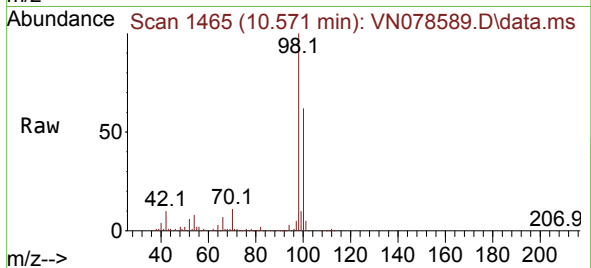
ClientSampleId :

Tgt Ion: 98 Resp: 864863

Ion Ratio Lower Upper

98 100

100 63.1 52.0 78.0



#51

4-Methyl-2-Pentanone

Concen: 0.638 ug/l

RT: 10.453 min Scan# 1445

Delta R.T. -0.000 min

Lab File: VN078589.D

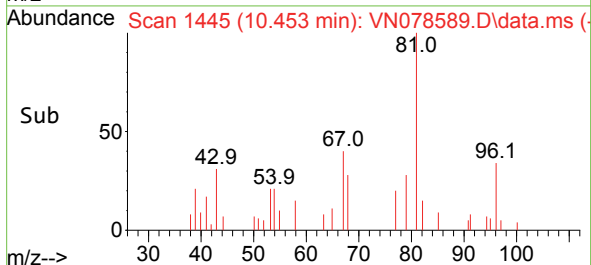
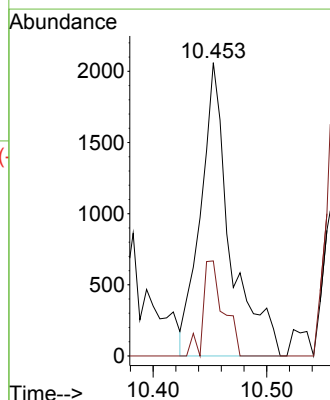
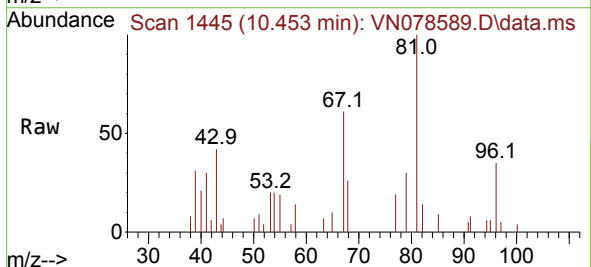
Acq: 20 Jul 2023 12:57

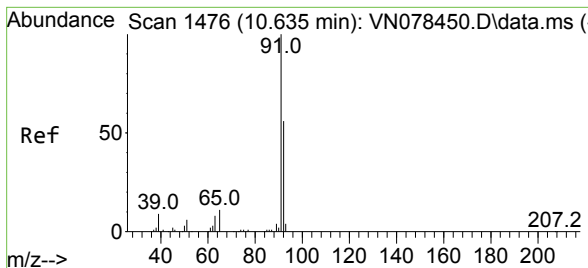
Tgt Ion: 43 Resp: 3734

Ion Ratio Lower Upper

43 100

58 22.4 36.6 54.8#





#52

Toluene

Concen: 0.552 ug/l

RT: 10.641 min Scan# 1477

Delta R.T. 0.006 min

Lab File: VN078589.D

Acq: 20 Jul 2023 12:57

Instrument :

MSVOA_N

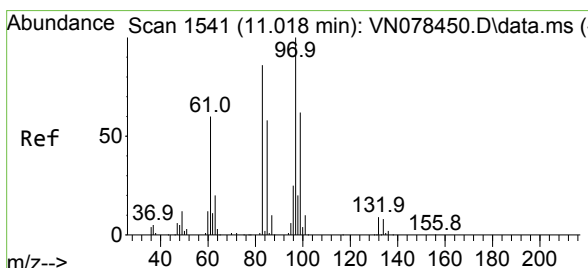
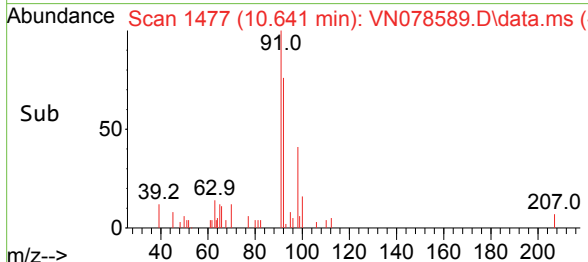
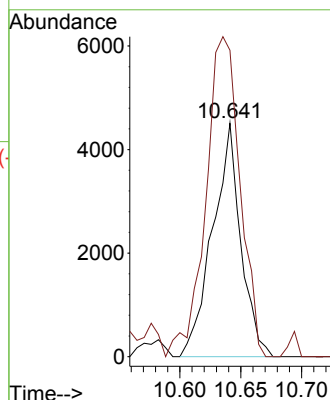
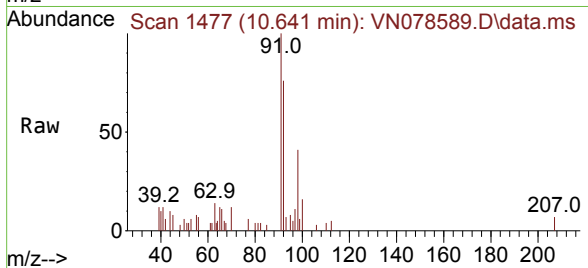
ClientSampleId :

Tgt Ion: 92 Resp: 7268

Ion Ratio Lower Upper

92 100

91 166.2 137.4 206.0



#55

1,1,2-Trichloroethane

Concen: 2.081 ug/l

RT: 11.018 min Scan# 1541

Delta R.T. -0.000 min

Lab File: VN078589.D

Acq: 20 Jul 2023 12:57

Tgt Ion: 97 Resp: 10791

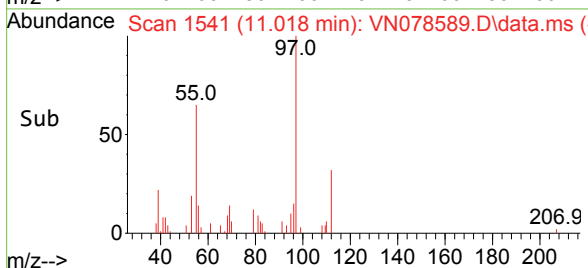
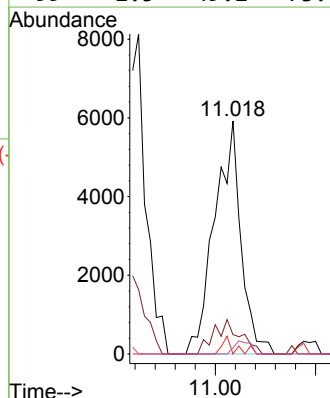
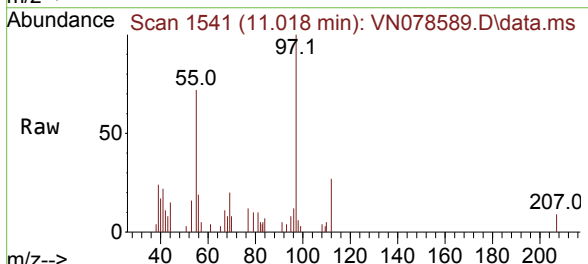
Ion Ratio Lower Upper

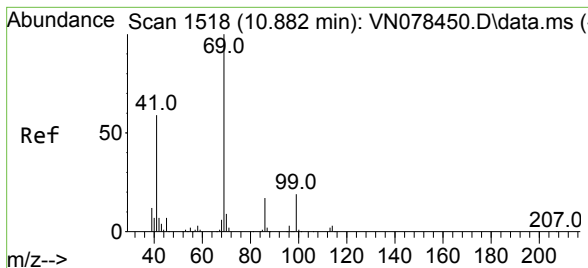
97 100

83 8.3 65.1 97.7#

85 0.0 43.4 65.2#

99 2.5 49.2 73.8#





#56

Ethyl methacrylate

Concen: 0.856 ug/l

RT: 10.906 min Scan# 1522

Delta R.T. 0.024 min

Lab File: VN078589.D

Acq: 20 Jul 2023 12:57

Instrument :

MSVOA_N

ClientSampleId :

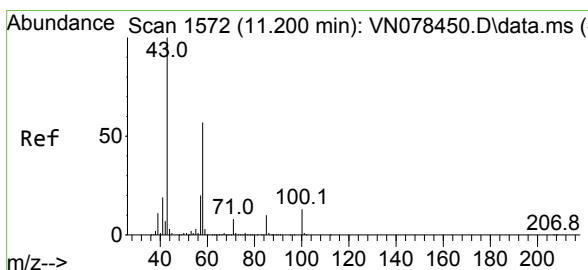
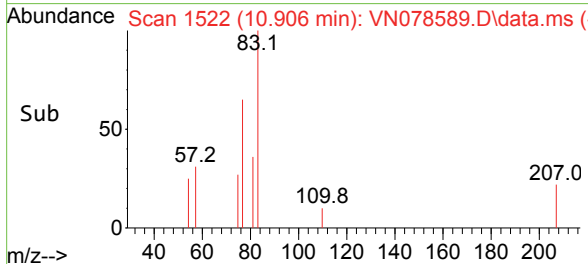
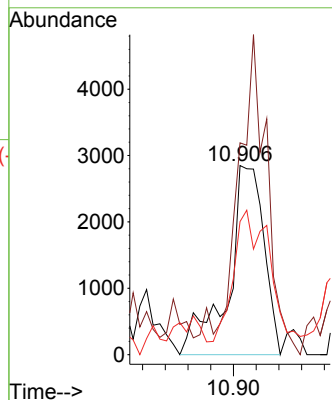
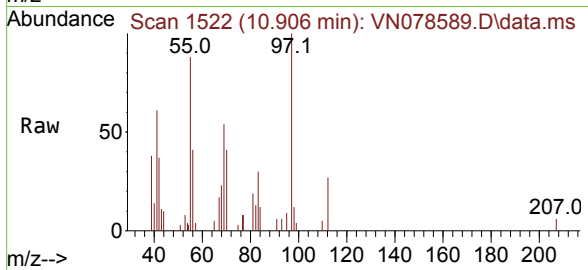
Tgt Ion: 69 Resp: 6207

Ion Ratio Lower Upper

69 100

41 132.5 39.6 59.4#

39 68.4 28.6 43.0#



#59

2-Hexanone

Concen: 1.471 ug/l

RT: 11.200 min Scan# 1572

Delta R.T. -0.000 min

Lab File: VN078589.D

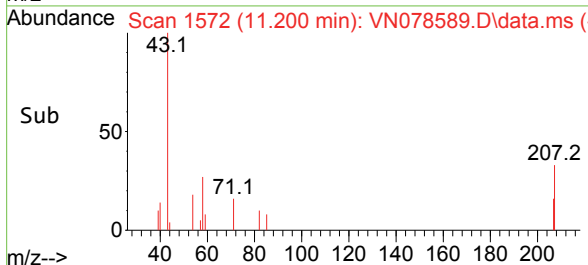
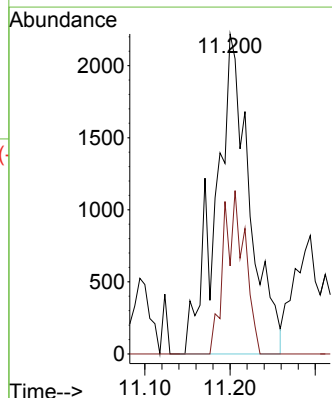
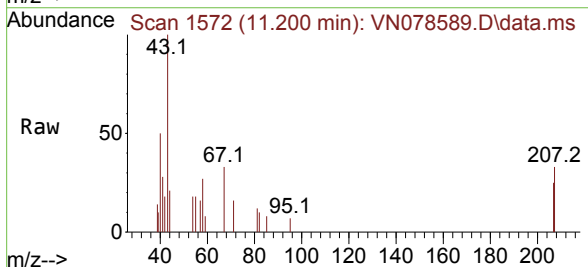
Acq: 20 Jul 2023 12:57

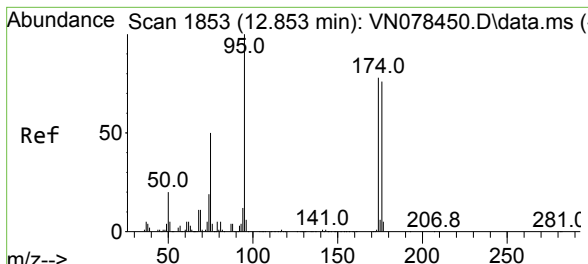
Tgt Ion: 43 Resp: 6119

Ion Ratio Lower Upper

43 100

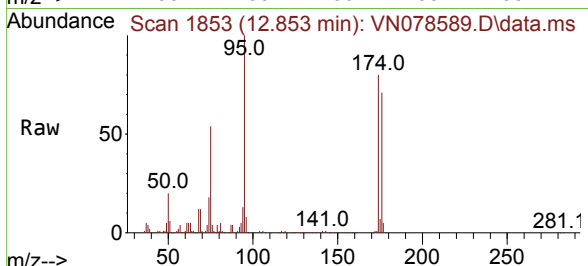
58 31.5 31.7 95.1#





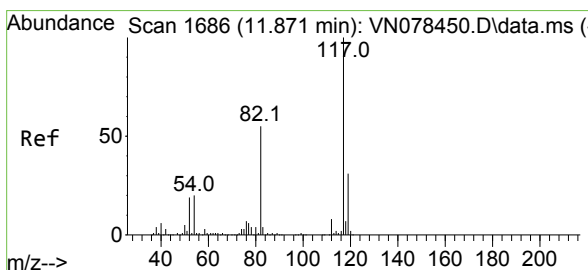
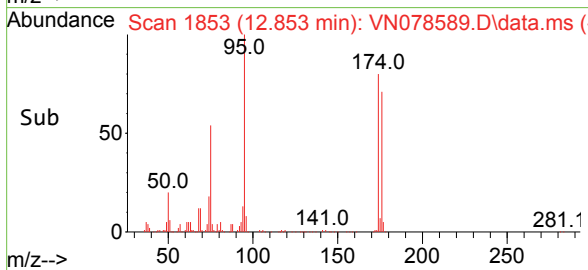
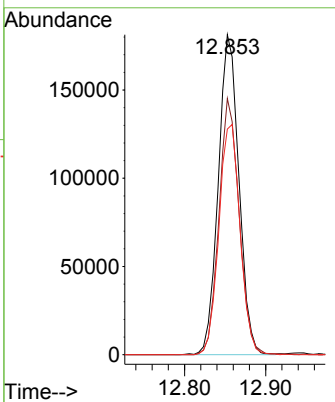
#62
 4-Bromofluorobenzene
 Concen: 55.392 ug/l
 RT: 12.853 min Scan# 1853
 Delta R.T. -0.000 min
 Lab File: VN078589.D
 Acq: 20 Jul 2023 12:57

Instrument :
 MSVOA_N
 ClientSampleId :



Tgt Ion: 95 Resp: 320025

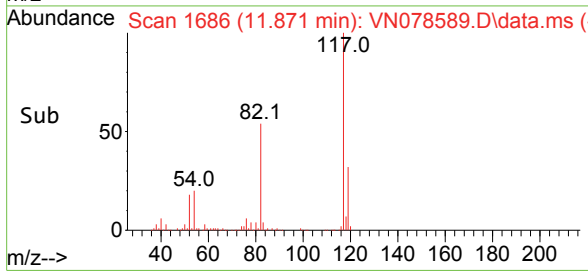
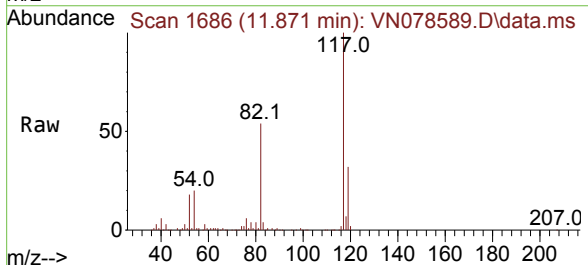
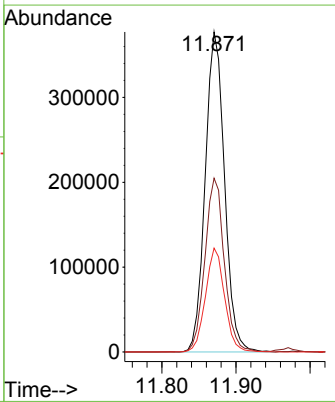
Ion	Ratio	Lower	Upper
95	100		
174	78.5	0.0	143.8
176	74.1	0.0	135.8

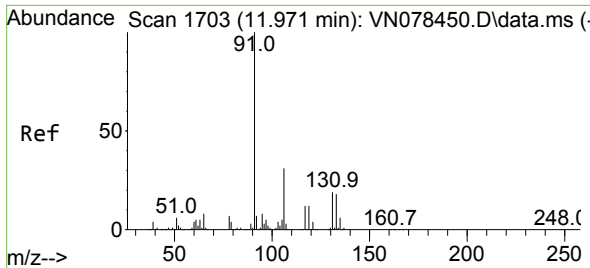


#63
 Chlorobenzene-d5
 Concen: 50.000 ug/l
 RT: 11.871 min Scan# 1686
 Delta R.T. -0.001 min
 Lab File: VN078589.D
 Acq: 20 Jul 2023 12:57

Tgt Ion: 117 Resp: 683455

Ion	Ratio	Lower	Upper
117	100		
82	54.2	44.0	66.0
119	32.5	25.6	38.4

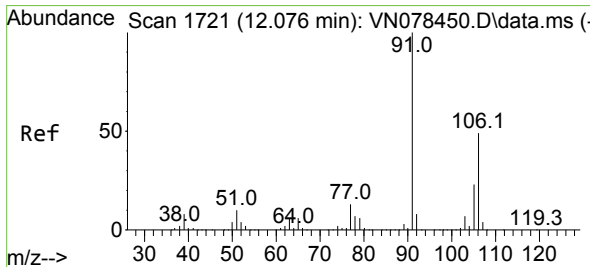
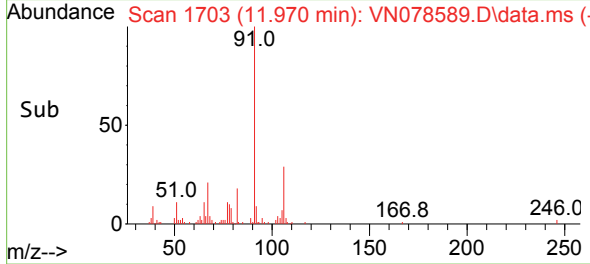
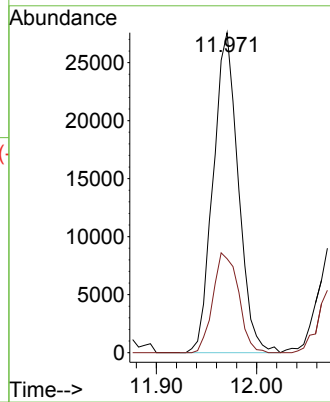
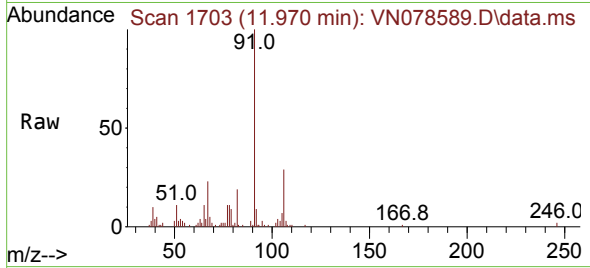




#67
Ethyl Benzene
Concen: 1.854 ug/l
RT: 11.970 min Scan# 1703
Delta R.T. -0.001 min
Lab File: VN078589.D
Acq: 20 Jul 2023 12:57

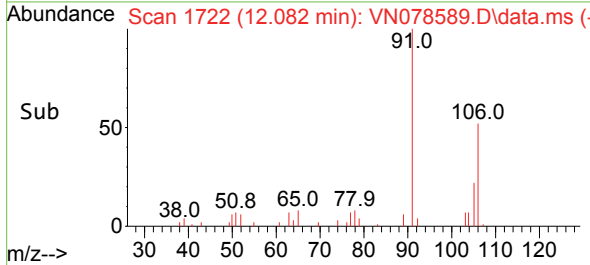
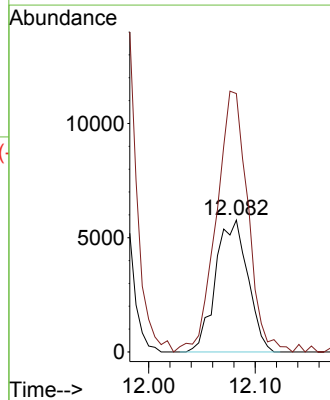
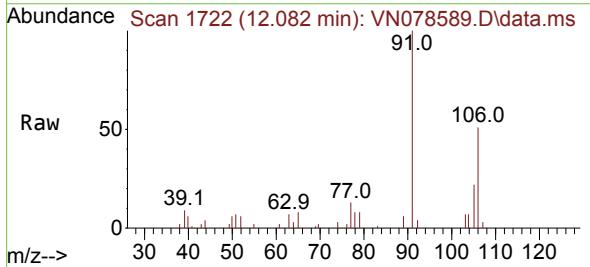
Instrument :
MSVOA_N
ClientSampleId :

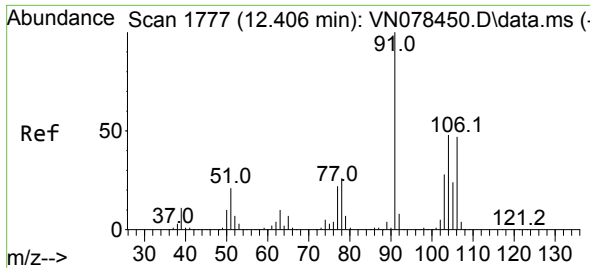
Tgt Ion: 91 Resp: 47885
Ion Ratio Lower Upper
91 100
106 29.3 25.6 38.4



#68
m/p-Xylenes
Concen: 1.272 ug/l
RT: 12.082 min Scan# 1722
Delta R.T. 0.006 min
Lab File: VN078589.D
Acq: 20 Jul 2023 12:57

Tgt Ion:106 Resp: 12143
Ion Ratio Lower Upper
106 100
91 192.8 159.6 239.4

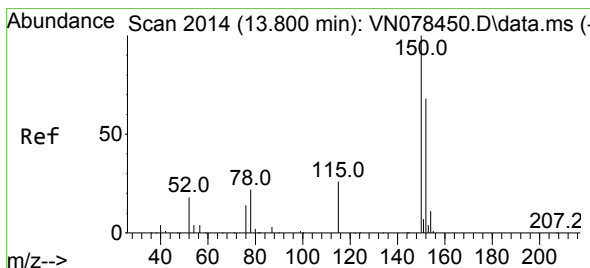
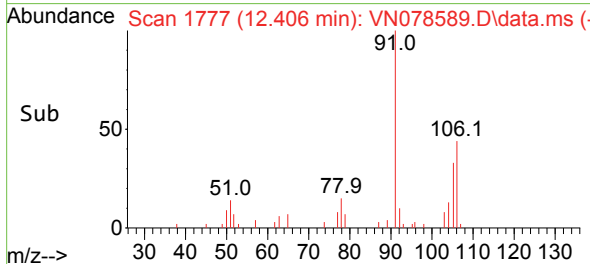
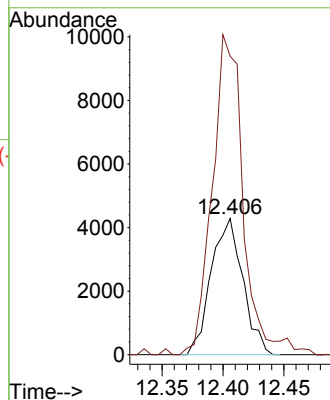
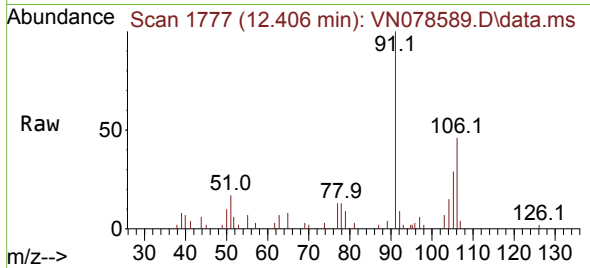




#69
o-Xylene
Concen: 0.805 ug/l
RT: 12.406 min Scan# 11
Delta R.T. -0.000 min
Lab File: VN078589.D
Acq: 20 Jul 2023 12:57

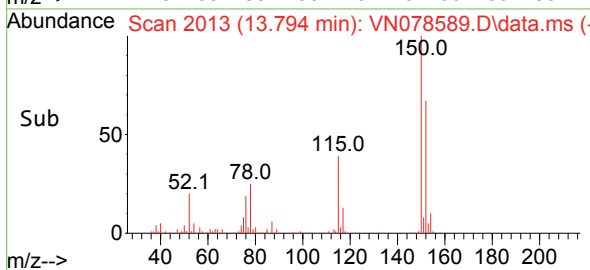
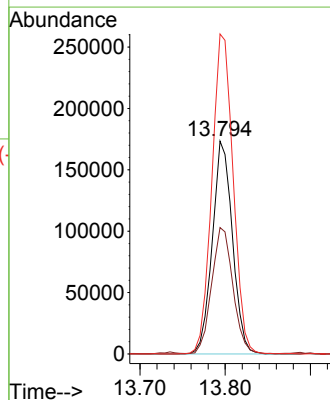
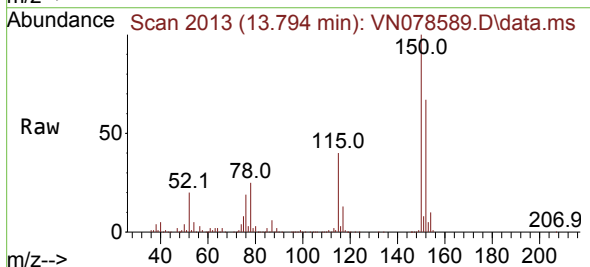
Instrument :
MSVOA_N
ClientSampleId :

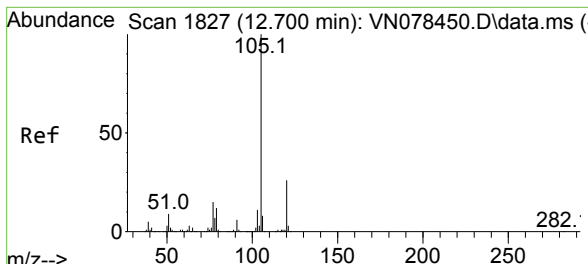
Tgt Ion:106 Resp: 7759
Ion Ratio Lower Upper
106 100
91 229.0 105.2 315.5



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.794 min Scan# 2013
Delta R.T. -0.006 min
Lab File: VN078589.D
Acq: 20 Jul 2023 12:57

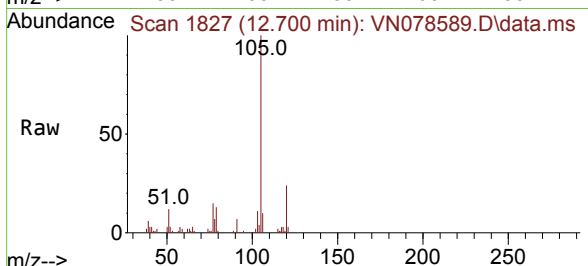
Tgt Ion:152 Resp: 285123
Ion Ratio Lower Upper
152 100
115 62.3 32.3 96.8
150 158.6 0.0 355.8



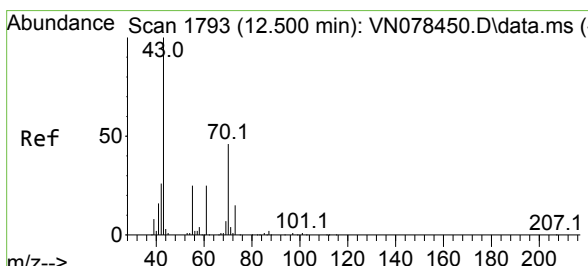
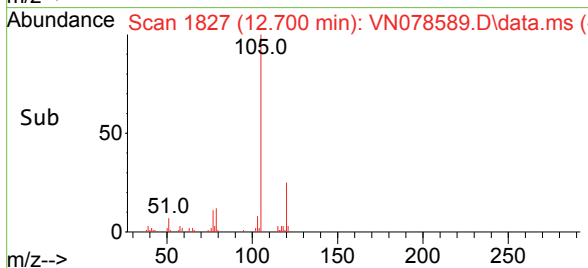
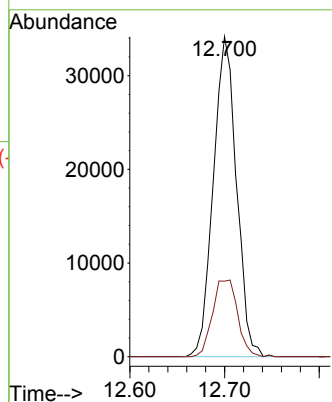


#73
Isopropylbenzene
Concen: 2.164 ug/l
RT: 12.700 min Scan# 1827
Delta R.T. -0.000 min
Lab File: VN078589.D
Acq: 20 Jul 2023 12:57

Instrument :
MSVOA_N
ClientSampleId :

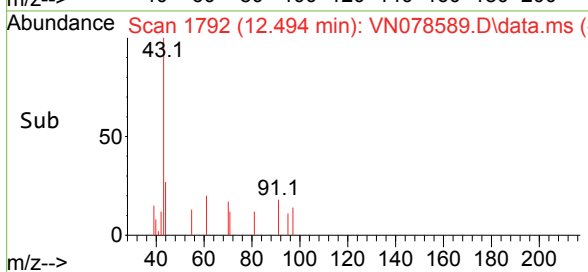
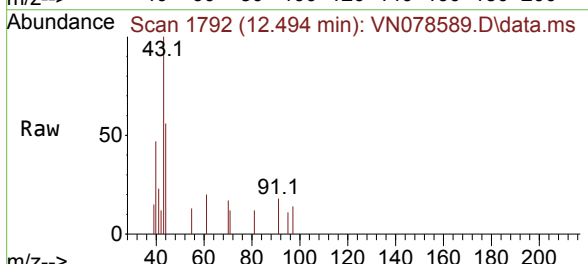
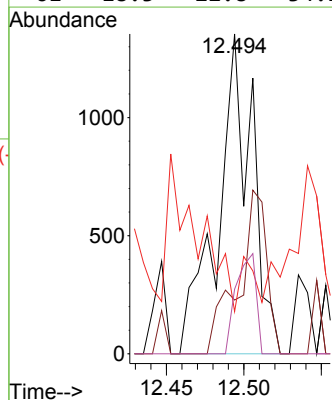


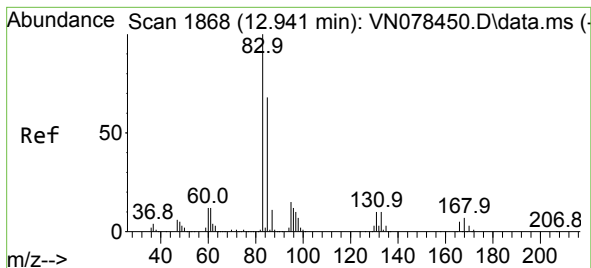
Tgt Ion:105 Resp: 57977
Ion Ratio Lower Upper
105 100
120 26.1 13.1 39.1



#74
N-amy1 acetate
Concen: 0.224 ug/l
RT: 12.494 min Scan# 1792
Delta R.T. -0.006 min
Lab File: VN078589.D
Acq: 20 Jul 2023 12:57

Tgt Ion: 43 Resp: 2072
Ion Ratio Lower Upper
43 100
70 42.3 43.4 65.2#
55 0.0 21.4 32.0#
61 18.3 22.8 34.2#





#75

1,1,2,2-Tetrachloroethane

Concen: Below Cal

RT: 12.941 min Scan# 1868

Delta R.T. 0.000 min

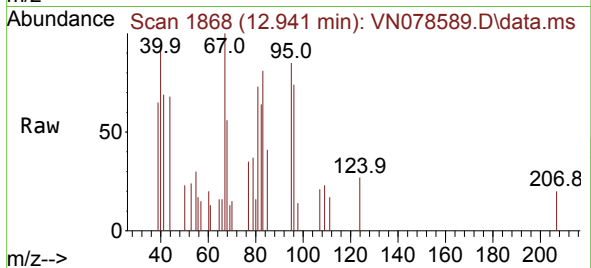
Lab File: VN078589.D

Acq: 20 Jul 2023 12:57

Instrument :

MSVOA_N

ClientSampleId :



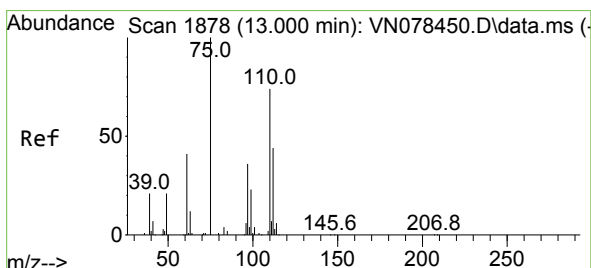
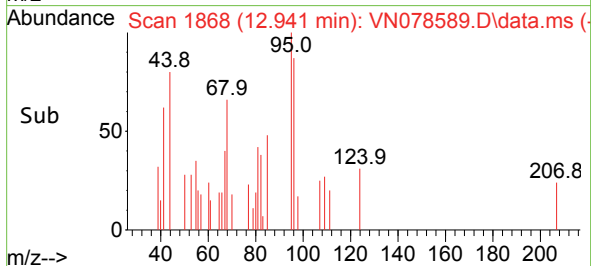
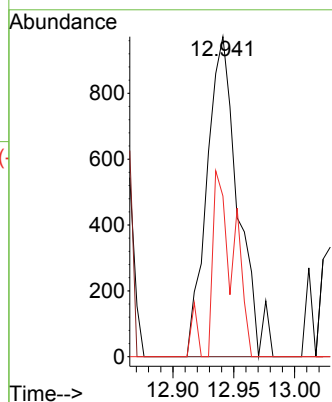
Tgt Ion: 83 Resp: 1737

Ion Ratio Lower Upper

83 100

131 0.0 5.0 15.0#

85 41.1 31.9 95.7



#76

1,2,3-Trichloropropane

Concen: 24.578 ug/l

RT: 12.853 min Scan# 1853

Delta R.T. -0.147 min

Lab File: VN078589.D

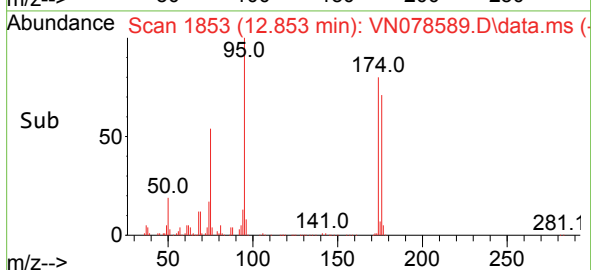
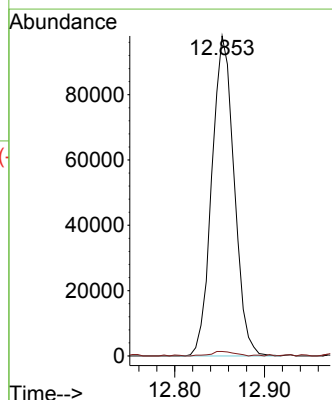
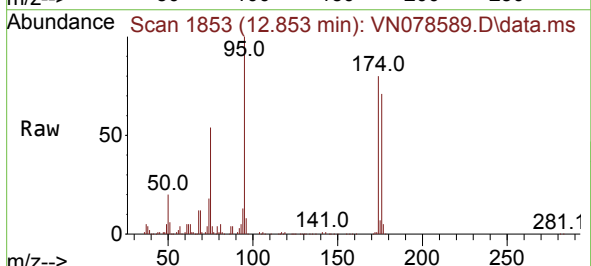
Acq: 20 Jul 2023 12:57

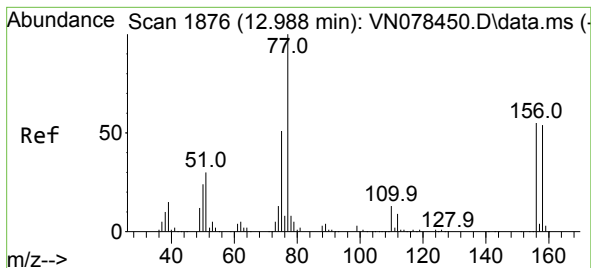
Tgt Ion: 75 Resp: 169385

Ion Ratio Lower Upper

75 100

77 1.5 84.5 253.5#





#77

Bromobenzene

Concen: Below Cal

RT: 12.994 min Scan# 1877

Delta R.T. 0.006 min

Lab File: VN078589.D

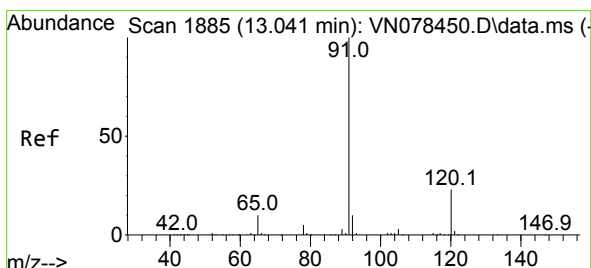
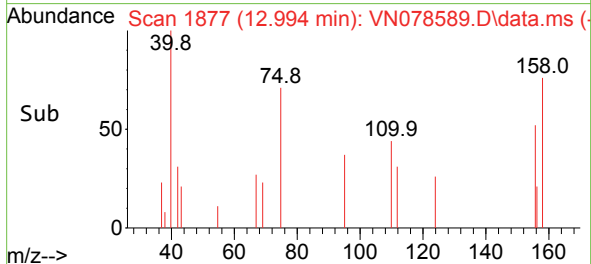
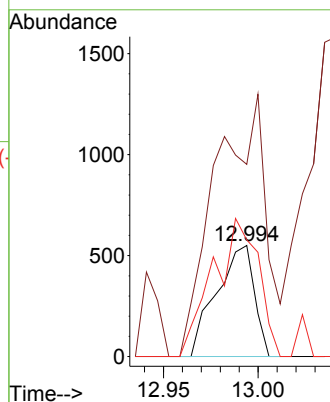
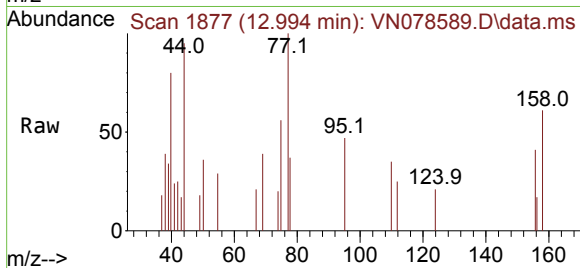
Acq: 20 Jul 2023 12:57

Instrument :

MSVOA_N

ClientSampleId :

Tgt Ion:	156	Resp:	763
Ion Ratio	Lower	Upper	
156	100		
77	316.1	107.7	323.3
158	149.1	48.4	145.3



#78

n-propylbenzene

Concen: 2.312 ug/l

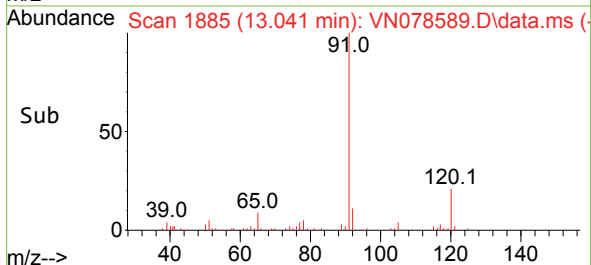
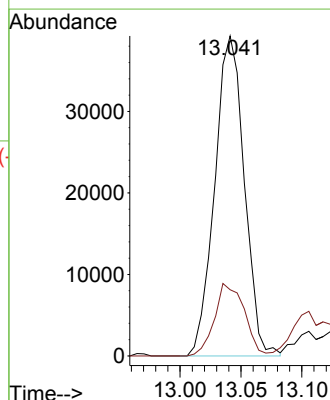
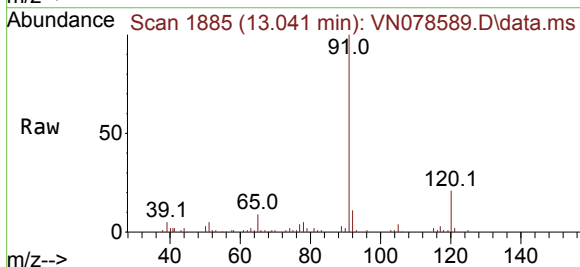
RT: 13.041 min Scan# 1885

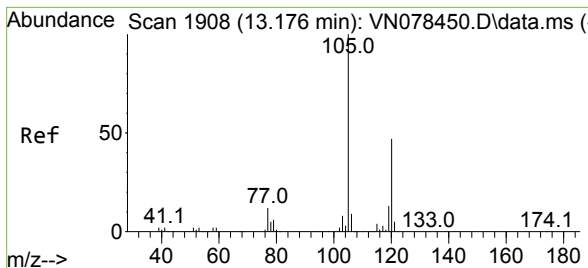
Delta R.T. 0.000 min

Lab File: VN078589.D

Acq: 20 Jul 2023 12:57

Tgt Ion:	91	Resp:	66248
Ion Ratio	Lower	Upper	
91	100		
120	22.8	11.5	34.4

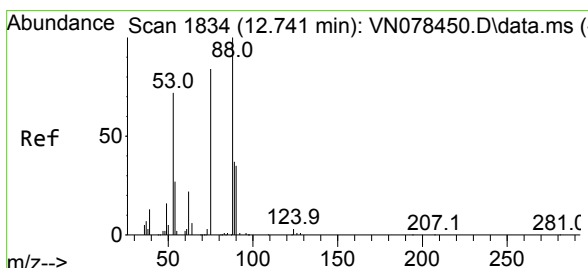
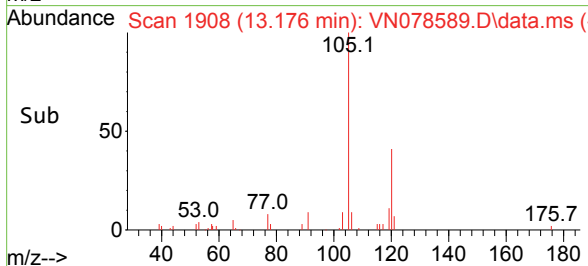
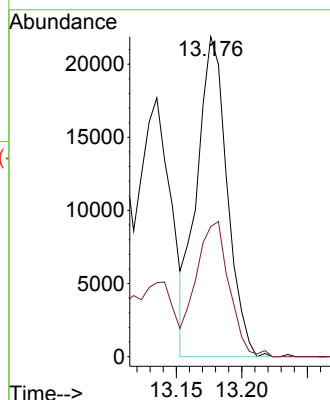
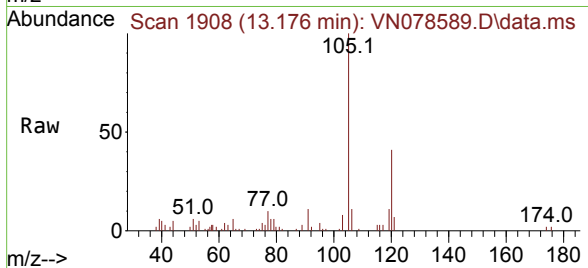




#80
 1,3,5-Trimethylbenzene
 Concen: 1.663 ug/l
 RT: 13.176 min Scan# 1908
 Delta R.T. 0.000 min
 Lab File: VN078589.D
 Acq: 20 Jul 2023 12:57

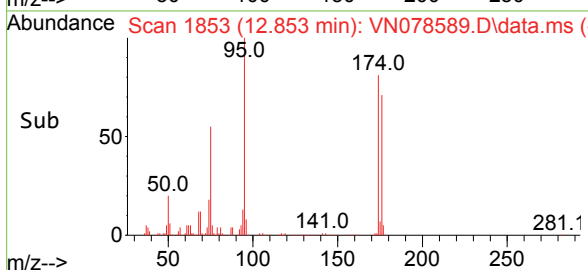
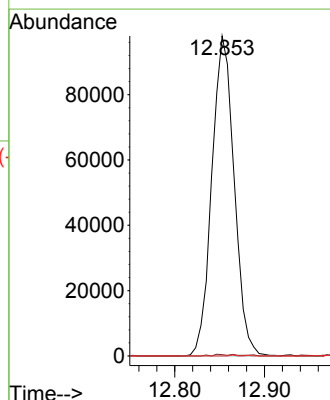
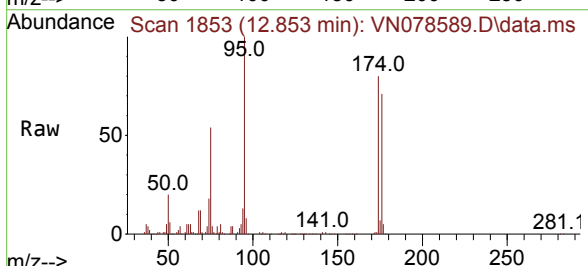
Instrument :
 MSVOA_N
 ClientSampleId :

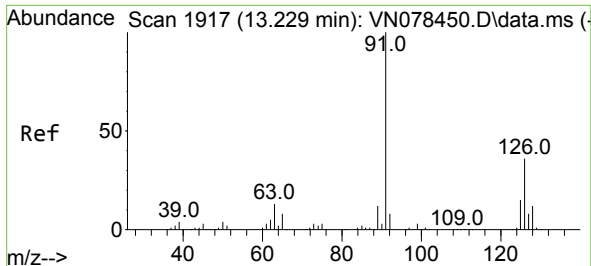
Tgt Ion:105 Resp: 35196
 Ion Ratio Lower Upper
 105 100
 120 46.2 24.1 72.3



#81
 trans-1,4-Dichloro-2-butene
 Concen: 64.586 ug/l
 RT: 12.853 min Scan# 1853
 Delta R.T. 0.112 min
 Lab File: VN078589.D
 Acq: 20 Jul 2023 12:57

Tgt Ion: 75 Resp: 169385
 Ion Ratio Lower Upper
 75 100
 53 0.3 67.4 101.2#
 89 0.1 38.8 58.2#

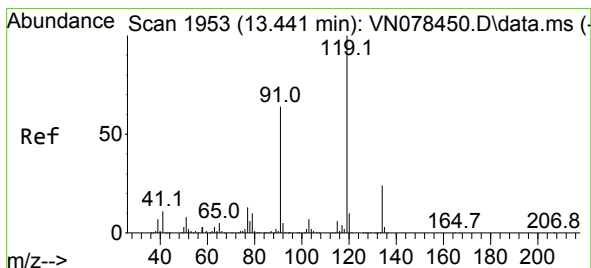
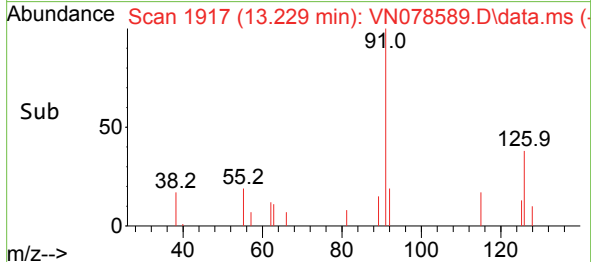
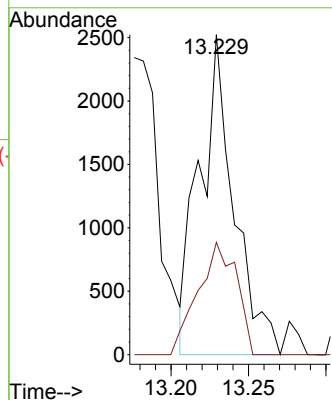
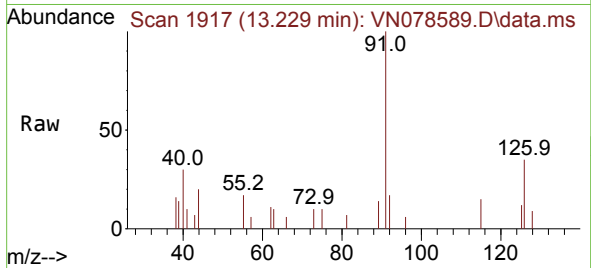




#82
4-Chlorotoluene
Concen: 0.222 ug/l
RT: 13.229 min Scan# 1917
Delta R.T. 0.000 min
Lab File: VN078589.D
Acq: 20 Jul 2023 12:57

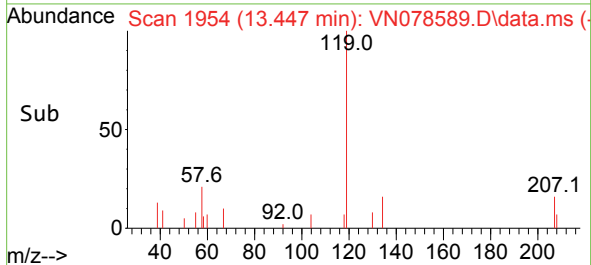
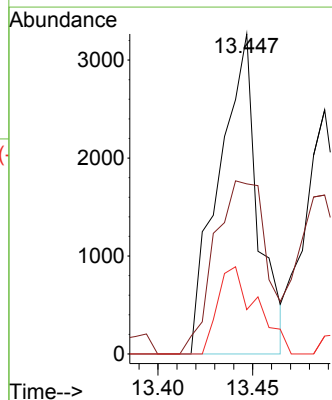
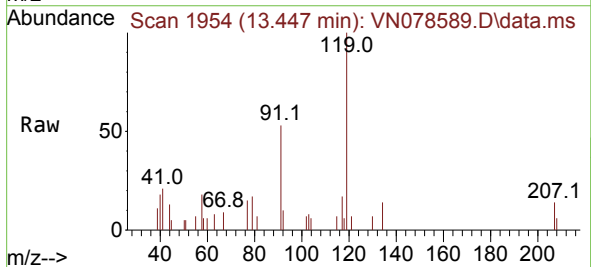
Instrument :
MSVOA_N
ClientSampleId :

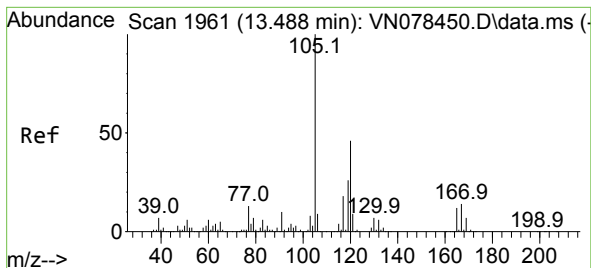
Tgt Ion: 91 Resp: 3886
Ion Ratio Lower Upper
91 100
126 39.4 16.7 50.0



#83
tert-Butylbenzene
Concen: 0.261 ug/l
RT: 13.447 min Scan# 1954
Delta R.T. 0.006 min
Lab File: VN078589.D
Acq: 20 Jul 2023 12:57

Tgt Ion: 119 Resp: 4687
Ion Ratio Lower Upper
119 100
91 72.2 33.9 101.7
134 27.2 13.2 39.6





#84

1,2,4-Trimethylbenzene

Concen: 1.155 ug/l

RT: 13.488 min Scan# 1961

Delta R.T. 0.000 min

Lab File: VN078589.D

Acq: 20 Jul 2023 12:57

Instrument :

MSVOA_N

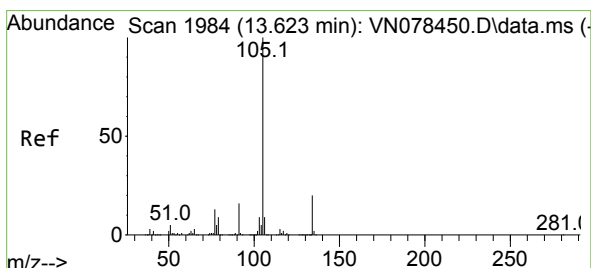
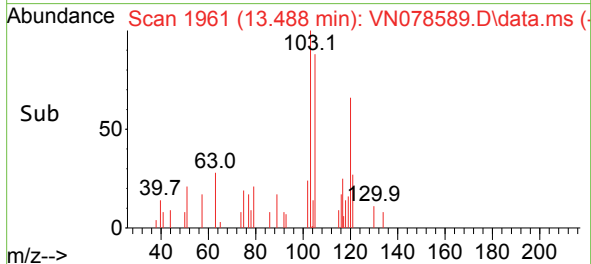
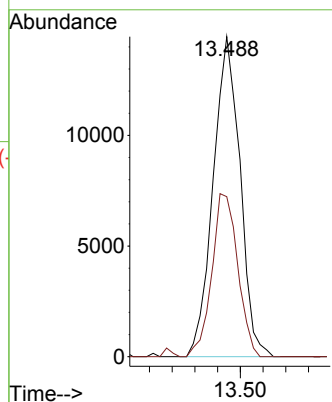
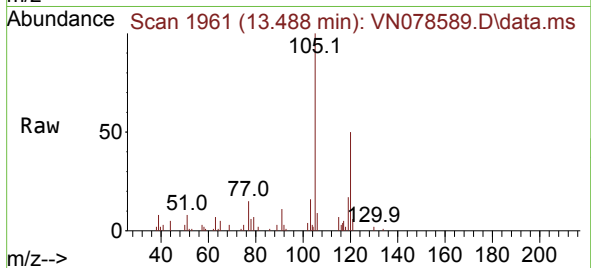
ClientSampleId :

Tgt Ion:105 Resp: 23750

Ion Ratio Lower Upper

105 100

120 49.1 22.0 66.0



#85

sec-Butylbenzene

Concen: 0.983 ug/l

RT: 13.623 min Scan# 1984

Delta R.T. 0.000 min

Lab File: VN078589.D

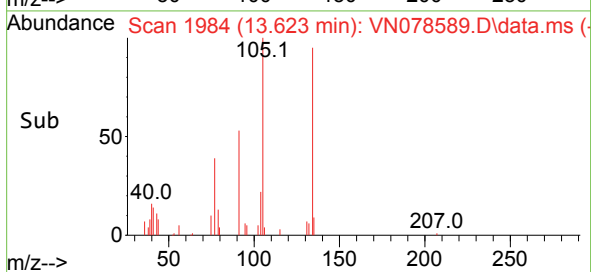
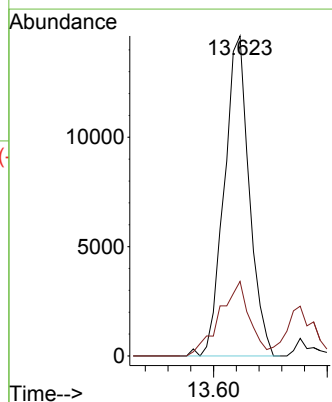
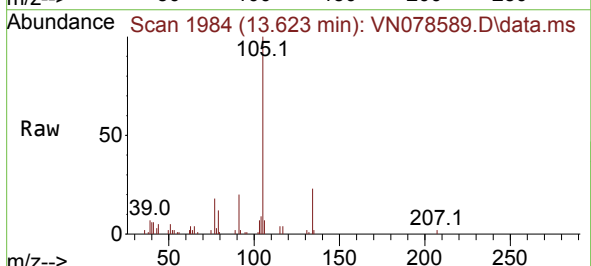
Acq: 20 Jul 2023 12:57

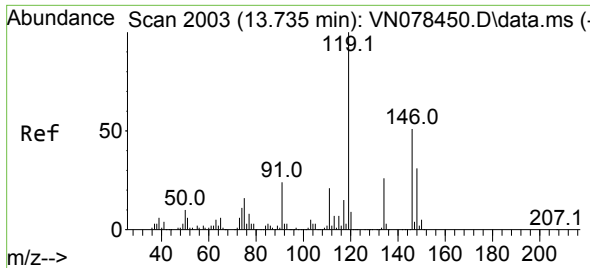
Tgt Ion:105 Resp: 22331

Ion Ratio Lower Upper

105 100

134 28.0 9.8 29.3

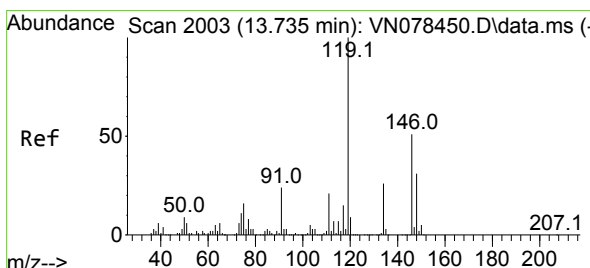
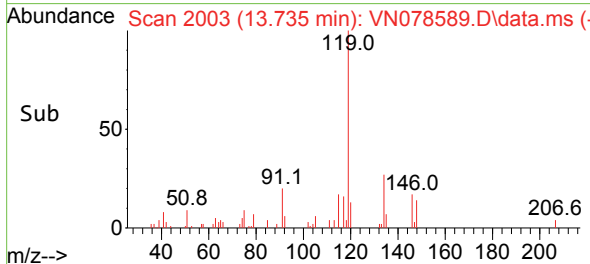
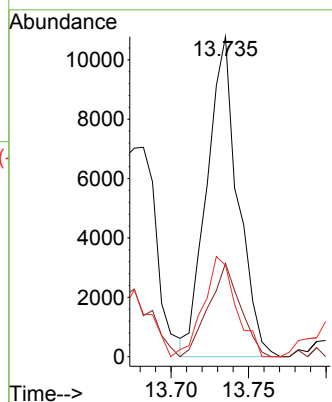
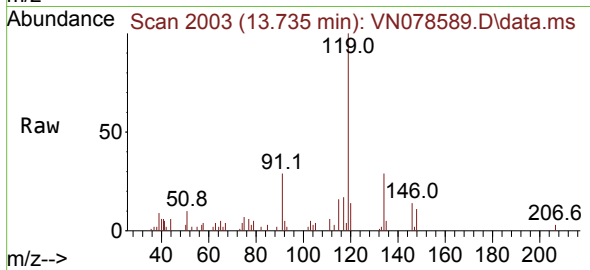




#86
 p-Isopropyltoluene
 Concen: 0.824 ug/l
 RT: 13.735 min Scan# 2003
 Delta R.T. 0.000 min
 Lab File: VN078589.D
 Acq: 20 Jul 2023 12:57

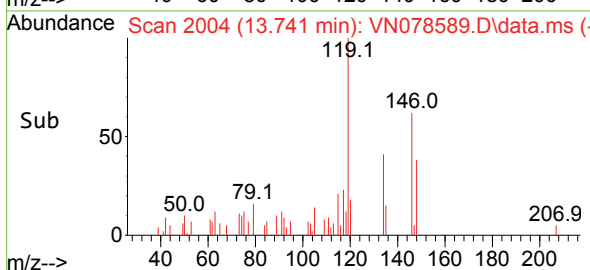
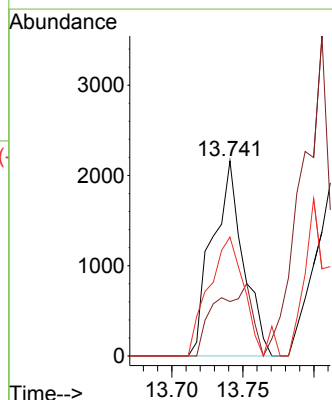
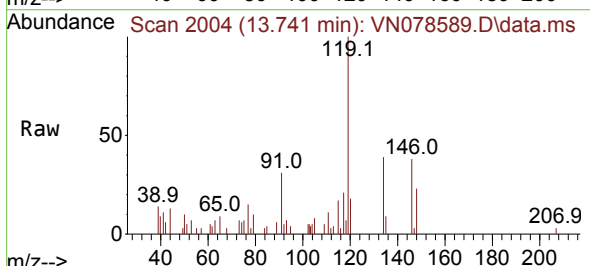
Instrument :
 MSVOA_N
 ClientSampleId :

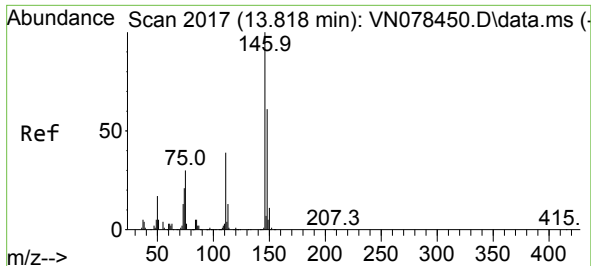
Tgt Ion	Ratio	Lower	Upper
119	100		
134	29.7	12.6	37.8
91	32.7	12.4	37.2



#87
 1,3-Dichlorobenzene
 Concen: 0.319 ug/l
 RT: 13.741 min Scan# 2004
 Delta R.T. 0.006 min
 Lab File: VN078589.D
 Acq: 20 Jul 2023 12:57

Tgt Ion	Ratio	Lower	Upper
146	100		
111	43.3	22.1	66.3
148	68.4	32.0	96.0

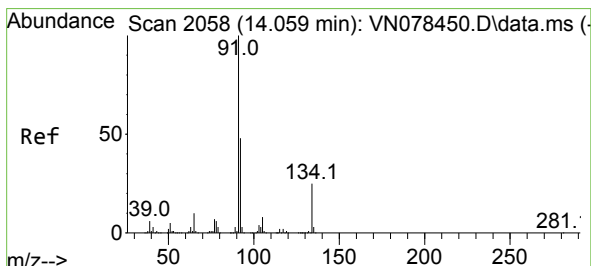
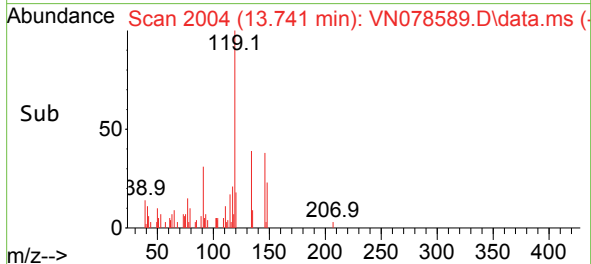
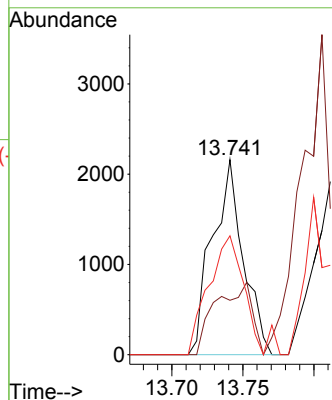
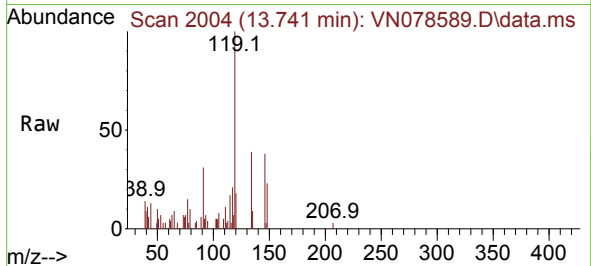




#88
 1,4-Dichlorobenzene
 Concen: 0.316 ug/l
 RT: 13.741 min Scan# 2004
 Delta R.T. -0.077 min
 Lab File: VN078589.D
 Acq: 20 Jul 2023 12:57

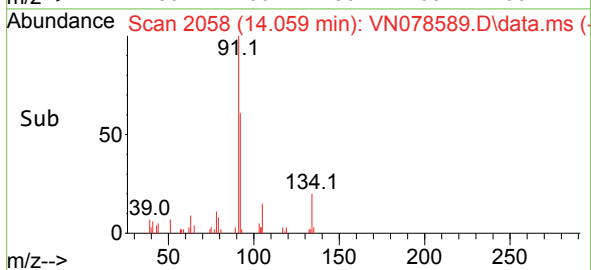
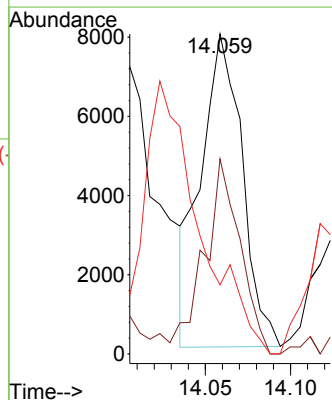
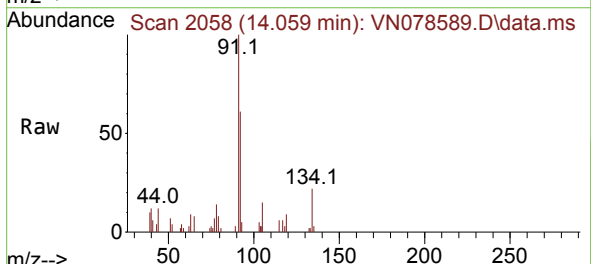
Instrument :
 MSVOA_N
 ClientSampleId :

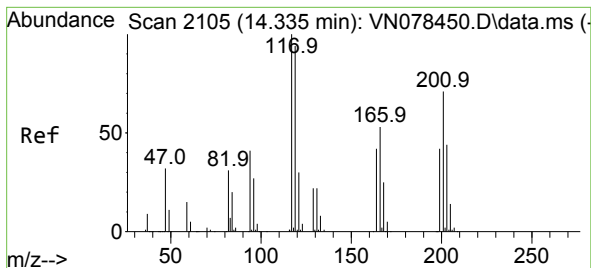
Tgt Ion:146 Resp: 3276
 Ion Ratio Lower Upper
 146 100
 111 43.3 20.6 61.8
 148 68.4 31.6 94.8



#89
 n-Butylbenzene
 Concen: 1.018 ug/l
 RT: 14.059 min Scan# 2058
 Delta R.T. -0.000 min
 Lab File: VN078589.D
 Acq: 20 Jul 2023 12:57

Tgt Ion: 91 Resp: 13281
 Ion Ratio Lower Upper
 91 100
 92 54.0 26.4 79.0
 134 0.0 12.6 37.6#





#90

Hexachloroethane

Concen: 2.396 ug/l

RT: 14.335 min Scan# 2105

Delta R.T. 0.000 min

Lab File: VN078589.D

Acq: 20 Jul 2023 12:57

Instrument :

MSVOA_N

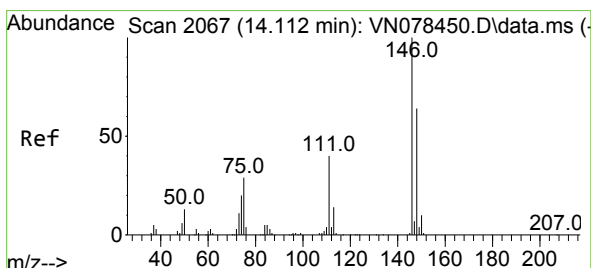
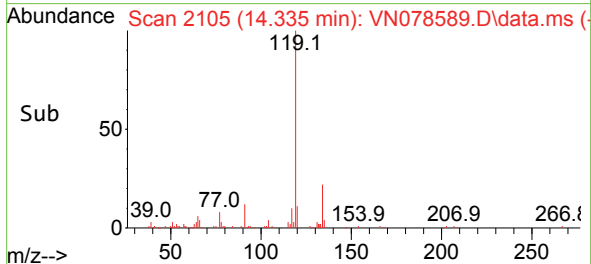
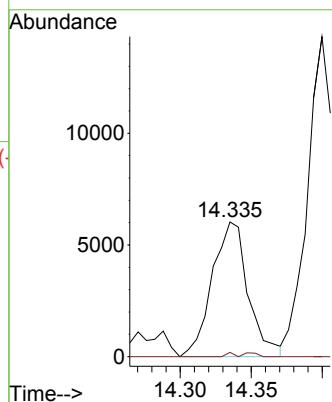
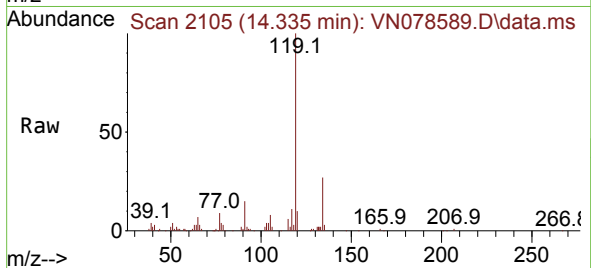
ClientSampleId :

Tgt Ion:117 Resp: 10636

Ion Ratio Lower Upper

117 100

201 0.6 29.3 88.0#



#91

1,2-Dichlorobenzene

Concen: 0.316 ug/l

RT: 14.106 min Scan# 2066

Delta R.T. -0.006 min

Lab File: VN078589.D

Acq: 20 Jul 2023 12:57

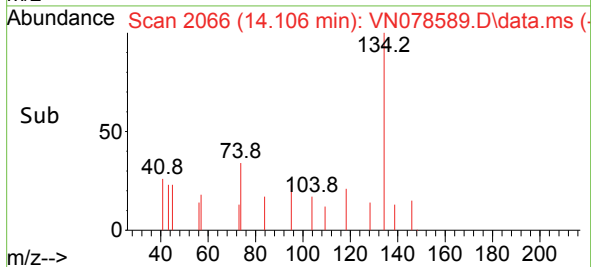
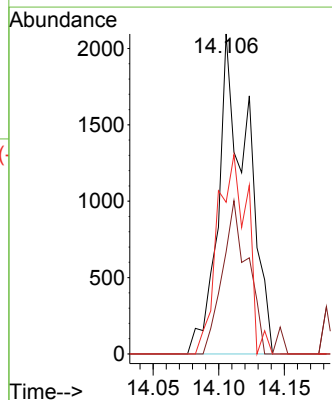
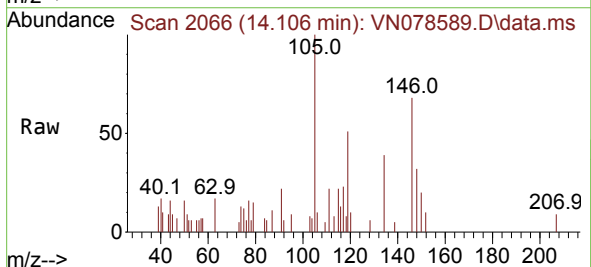
Tgt Ion:146 Resp: 3230

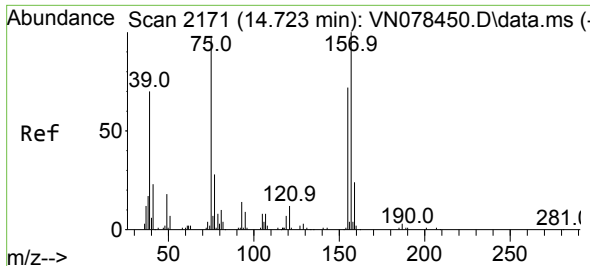
Ion Ratio Lower Upper

146 100

111 41.6 22.0 66.0

148 64.3 31.8 95.3

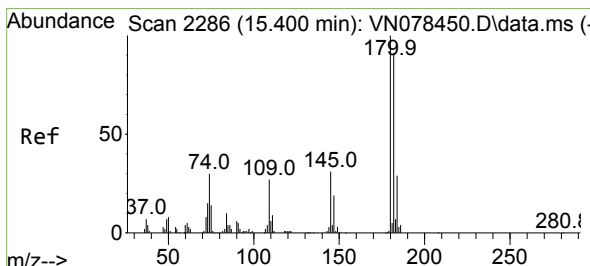
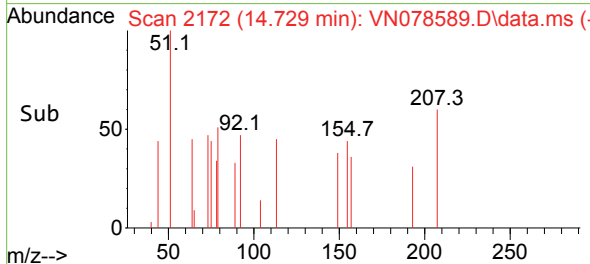
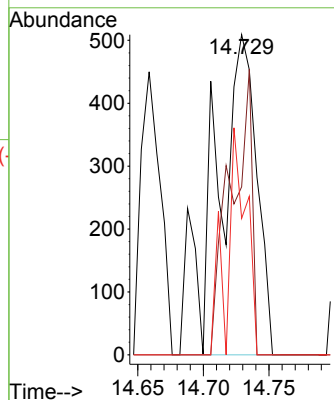
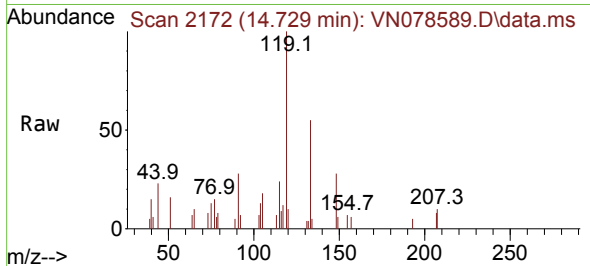




#92
 1,2-Dibromo-3-Chloropropane
 Concen: Below Cal
 RT: 14.729 min Scan# 2171
 Delta R.T. 0.006 min
 Lab File: VN078589.D
 Acq: 20 Jul 2023 12:57

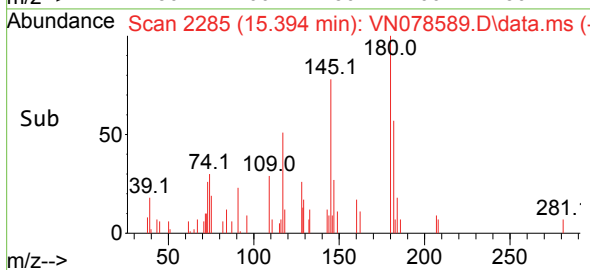
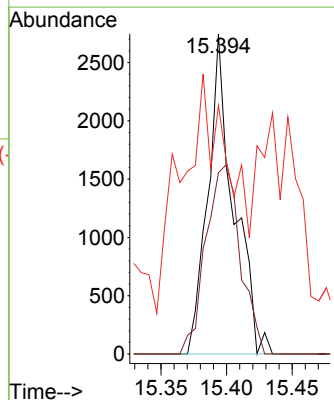
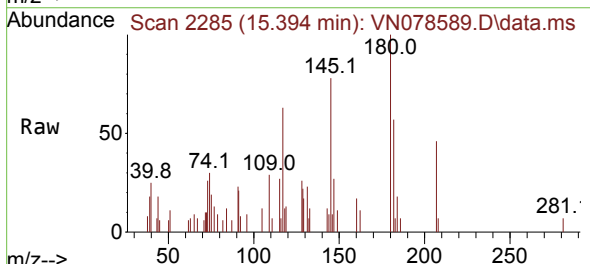
Instrument :
 MSVOA_N
 ClientSampleId :

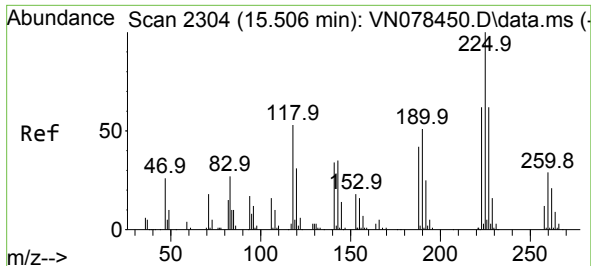
Tgt Ion: 75 Resp: 1097
 Ion Ratio Lower Upper
 75 100
 155 46.3 39.1 117.2
 157 34.0 50.3 150.9#



#93
 1,2,4-Trichlorobenzene
 Concen: 1.141 ug/l
 RT: 15.394 min Scan# 2285
 Delta R.T. -0.006 min
 Lab File: VN078589.D
 Acq: 20 Jul 2023 12:57

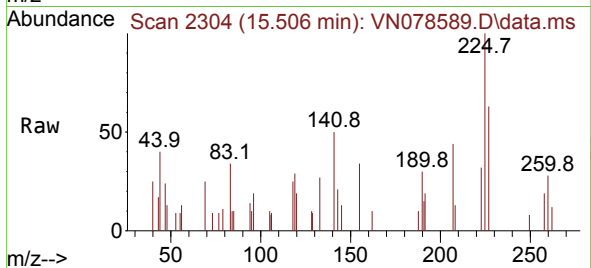
Tgt Ion: 180 Resp: 3728
 Ion Ratio Lower Upper
 180 100
 182 79.5 46.1 138.2
 145 142.2 16.6 49.8#



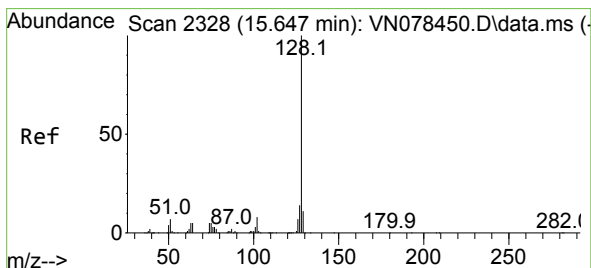
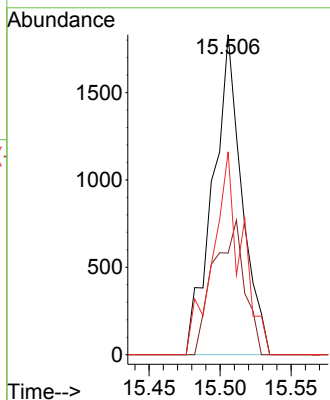
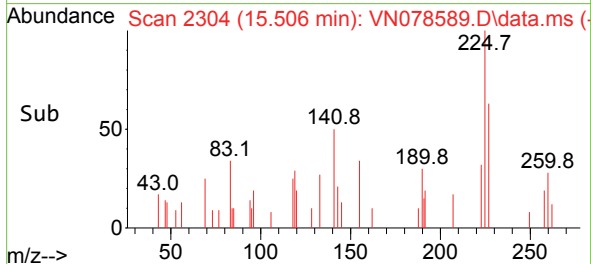


#94
Hexachlorobutadiene
Concen: Below Cal
RT: 15.506 min Scan# 21
Delta R.T. -0.000 min
Lab File: VN078589.D
Acq: 20 Jul 2023 12:57

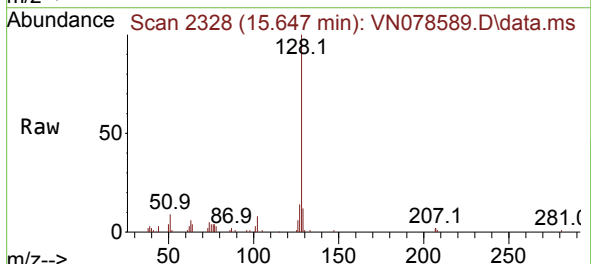
Instrument :
MSVOA_N
ClientSampleId :



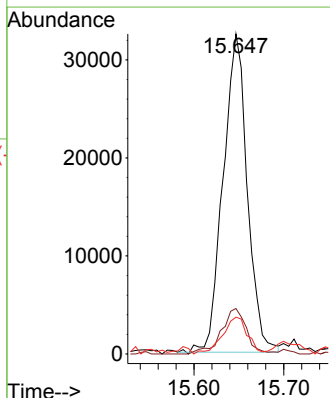
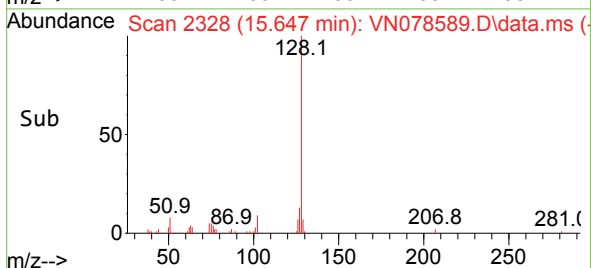
Tgt Ion:225 Resp: 2606
Ion Ratio Lower Upper
225 100
223 44.5 31.3 93.8
227 63.2 31.9 95.9

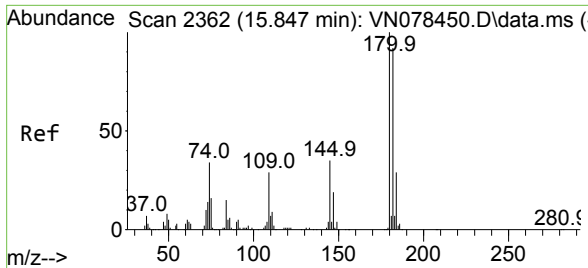


#95
Naphthalene
Concen: 5.451 ug/l
RT: 15.647 min Scan# 2328
Delta R.T. -0.000 min
Lab File: VN078589.D
Acq: 20 Jul 2023 12:57



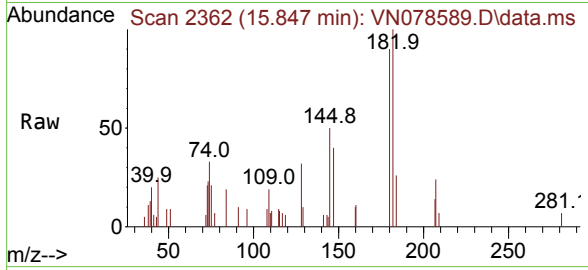
Tgt Ion:128 Resp: 60872
Ion Ratio Lower Upper
128 100
127 14.7 10.0 15.0
129 12.0 8.7 13.1





#96
 1,2,3-Trichlorobenzene
 Concen: 1.466 ug/l
 RT: 15.847 min Scan# 21
 Delta R.T. -0.000 min
 Lab File: VN078589.D
 Acq: 20 Jul 2023 12:57

Instrument :
 MSVOA_N
 ClientSampleId :



Tgt Ion:	180	Resp:	5505
Ion Ratio	Lower	Upper	
180	100		
182	96.3	46.2	138.6
145	0.0	17.5	52.6#

