

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN110723\
 Data File : VN079977.D
 Acq On : 07 Nov 2023 20:10
 Operator : JC\MD
 Sample : 05107-33 20X
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

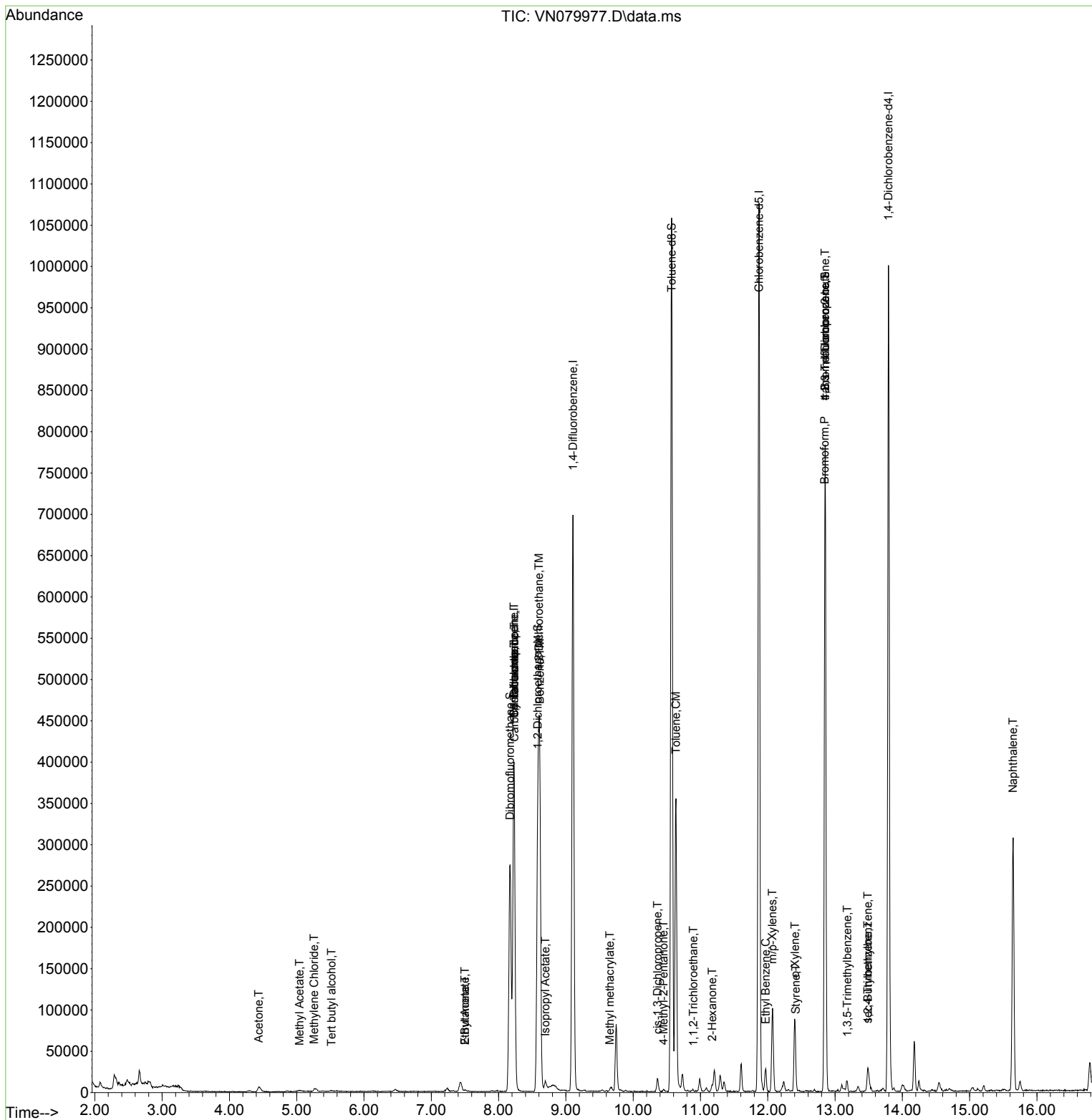
Quant Time: Nov 08 04:35:23 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N110123W.M
 Quant Title : SW846 8260
 QLast Update : Thu Nov 02 05:49:08 2023
 Response via : Initial Calibration

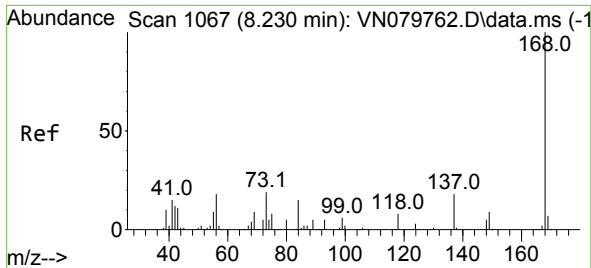
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Pentafluorobenzene	8.230	168	282830	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	575876	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.871	117	607675	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	252594	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.583	65	243140	56.426	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 112.860%			
35) Dibromofluoromethane	8.171	113	202257	49.624	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 99.240%			
50) Toluene-d8	10.571	98	718929	47.914	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 95.820%			
62) 4-Bromofluorobenzene	12.853	95	267773	53.810	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 107.620%			
Target Compounds						
					Qvalue	
3) Chloromethane	2.365	50	1403	Below Cal	#	80
11) Tert butyl alcohol	5.518	59	299	0.544	ug/l #	72
16) Acetone	4.436	43	12941	8.550	ug/l	95
18) Methyl Acetate	5.042	43	1869	0.258	ug/l #	42
20) Methylene Chloride	5.259	84	1336	0.350	ug/l #	81
25) 2-Butanone	7.500	43	3439	1.552	ug/l #	82
31) Cyclohexane	8.230	56	7989	1.403	ug/l #	1
36) 1,1-Dichloropropene	8.230	75	26288	4.517	ug/l #	46
37) Ethyl Acetate	7.500	43	3439	0.644	ug/l #	63
38) Carbon Tetrachloride	8.235	117	30735	5.240	ug/l #	14
40) Benzene	8.612	78	390418	22.399	ug/l	98
42) 1,2-Dichloroethane	8.600	62	3870	0.636	ug/l	97
43) Isopropyl Acetate	8.694	43	13026	1.392	ug/l #	77
48) Methyl methacrylate	9.653	41	869	0.212	ug/l #	28
51) 4-Methyl-2-Pentanone	10.453	43	2434	0.462	ug/l #	53
52) Toluene	10.635	92	152982	14.804	ug/l	98
54) cis-1,3-Dichloropropene	10.365	75	2702	0.390	ug/l #	73
55) 1,1,2-Trichloroethane	10.894	97	1216	0.293	ug/l #	16
59) 2-Hexanone	11.176	43	5863	1.454	ug/l #	19
67) Ethyl Benzene	11.971	91	17969	0.782	ug/l	94
68) m/p-Xylenes	12.071	106	29755	3.478	ug/l	91
69) o-Xylene	12.406	106	22525	2.734	ug/l	93
70) Styrene	12.418	104	5927	0.448	ug/l #	32
71) Bromoform	12.847	173	1748	0.518	ug/l #	1
76) 1,2,3-Trichloropropane	12.853	75	144409	24.352	ug/l #	1
80) 1,3,5-Trimethylbenzene	13.182	105	6756	0.453	ug/l	96
81) trans-1,4-Dichloro-2-b...	12.853	75	144409	66.255	ug/l #	15
84) 1,2,4-Trimethylbenzene	13.488	105	18102	1.234	ug/l	87
85) sec-Butylbenzene	13.488	105	18102	1.070	ug/l #	57
95) Naphthalene	15.647	128	275861	20.756	ug/l	99

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

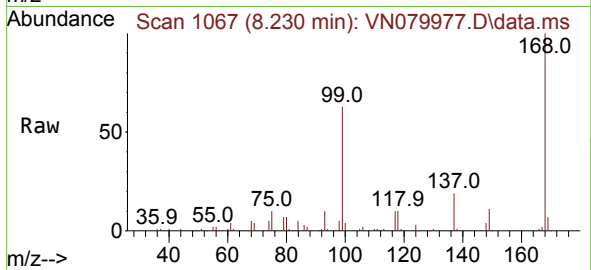
Quant Time: Nov 08 04:35:23 2023
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N110123W.M
Quant Title : SW846 8260
QLast Update : Thu Nov 02 05:49:08 2023
Response via : Initial Calibration



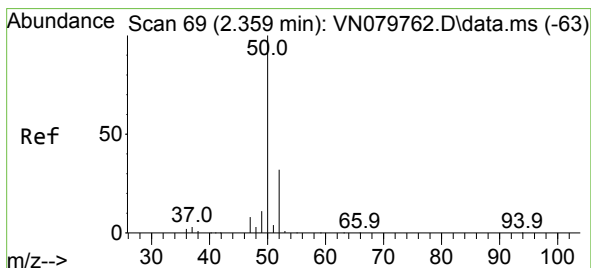
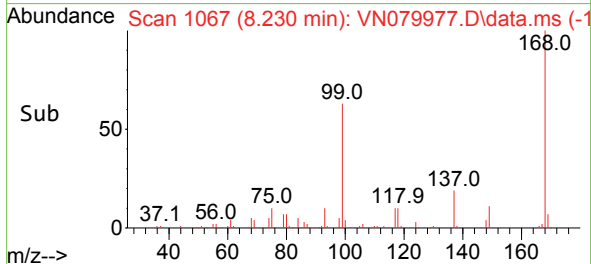
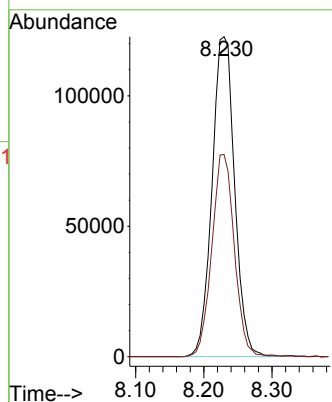


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.230 min Scan# 10
Delta R.T. 0.001 min
Lab File: VN079977.D
Acq: 07 Nov 2023 20:10

Instrument :
MSVOA_N
ClientSampleId :

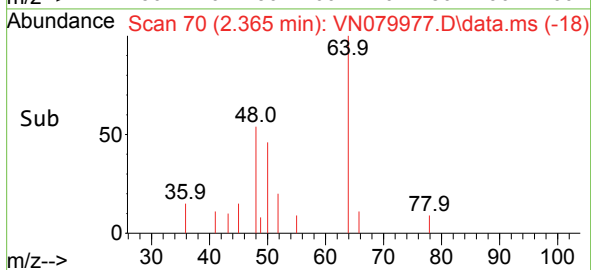
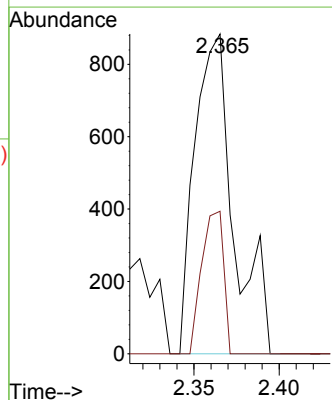
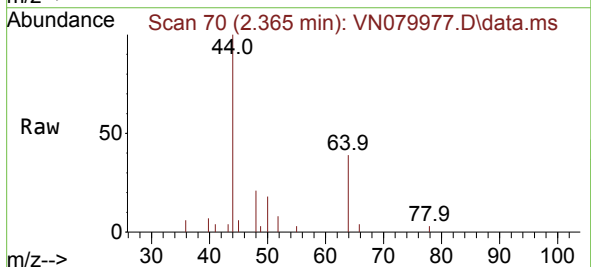


Tgt Ion:168 Resp: 282830
Ion Ratio Lower Upper
168 100
99 63.2 53.0 79.6



#3
Chloromethane
Concen: Below Cal
RT: 2.365 min Scan# 70
Delta R.T. 0.006 min
Lab File: VN079977.D
Acq: 07 Nov 2023 20:10

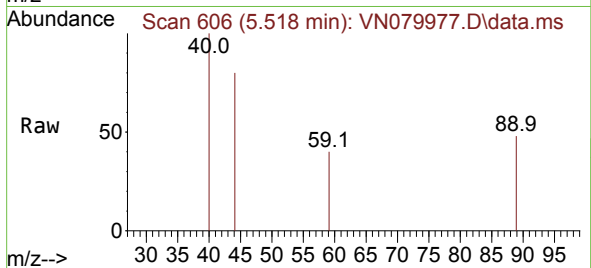
Tgt Ion: 50 Resp: 1403
Ion Ratio Lower Upper
50 100
52 44.6 26.5 39.7#



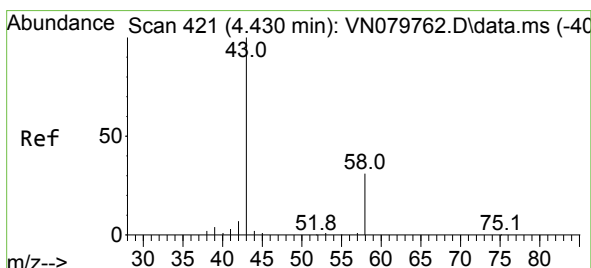
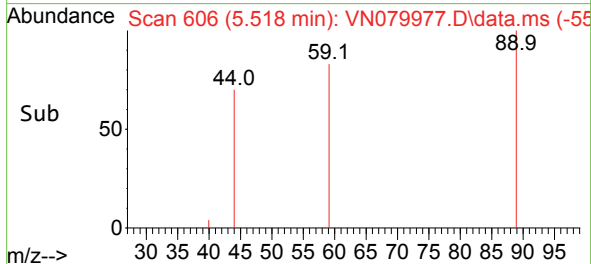
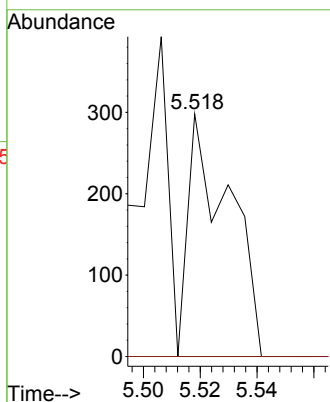


#11
Tert butyl alcohol
Concen: 0.544 ug/l
RT: 5.518 min Scan# 607
Delta R.T. 0.000 min
Lab File: VN079977.D
Acq: 07 Nov 2023 20:10

Instrument :
MSVOA_N
ClientSampleId :

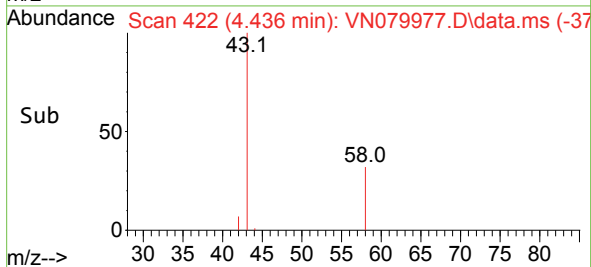
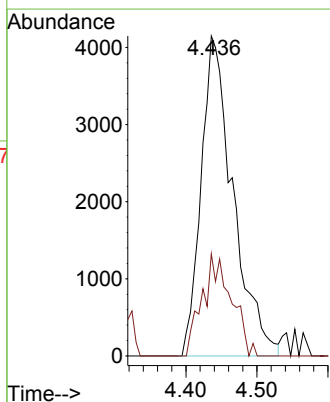
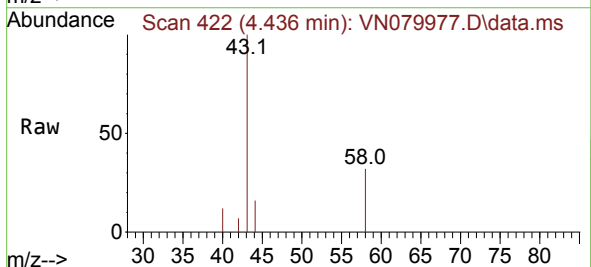


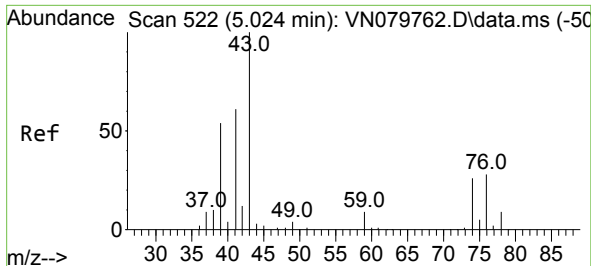
Tgt Ion: 59 Resp: 299
Ion Ratio Lower Upper
59 100
57 0.0 8.2 12.4#



#16
Acetone
Concen: 8.550 ug/l
RT: 4.436 min Scan# 422
Delta R.T. 0.006 min
Lab File: VN079977.D
Acq: 07 Nov 2023 20:10

Tgt Ion: 43 Resp: 12941
Ion Ratio Lower Upper
43 100
58 31.9 28.0 42.0

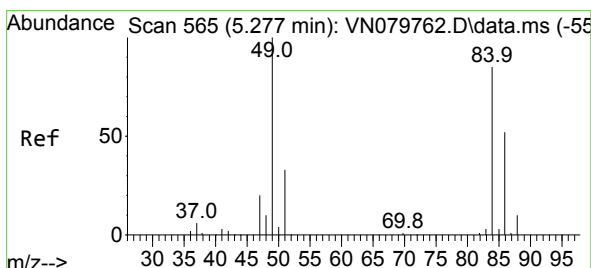
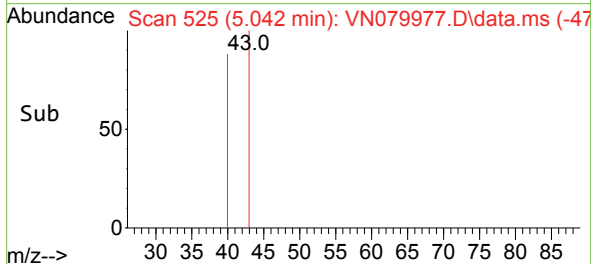
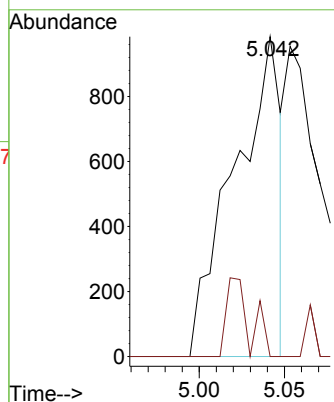
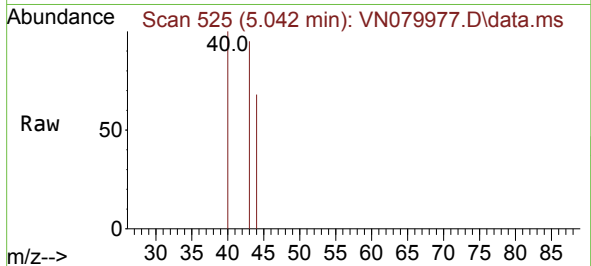




#18
Methyl Acetate
Concen: 0.258 ug/l
RT: 5.042 min Scan# 51
Delta R.T. 0.018 min
Lab File: VN079977.D
Acq: 07 Nov 2023 20:10

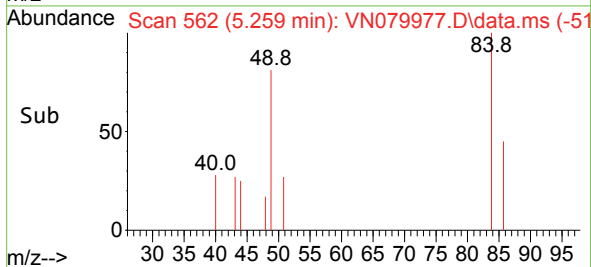
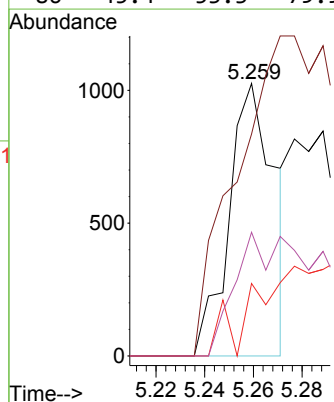
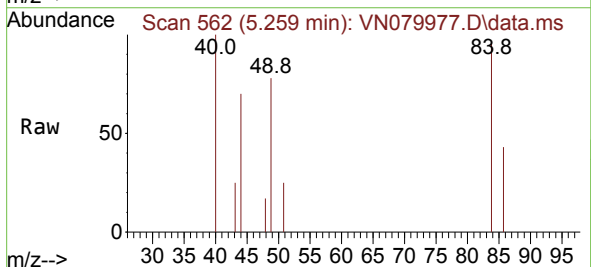
Instrument :
MSVOA_N
ClientSampleId :

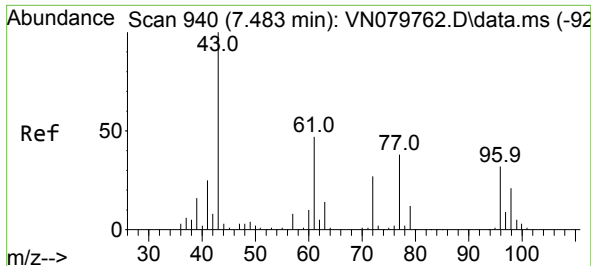
Tgt Ion: 43 Resp: 1869
Ion Ratio Lower Upper
43 100
74 0.0 26.2 39.4#



#20
Methylene Chloride
Concen: 0.350 ug/l
RT: 5.259 min Scan# 562
Delta R.T. -0.012 min
Lab File: VN079977.D
Acq: 07 Nov 2023 20:10

Tgt Ion: 84 Resp: 1336
Ion Ratio Lower Upper
84 100
49 81.5 79.7 119.5
51 26.6 25.2 37.8
86 45.4 53.3 79.9#

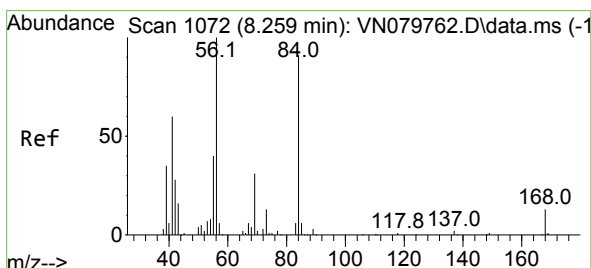
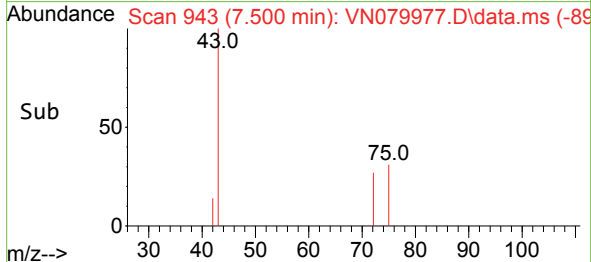
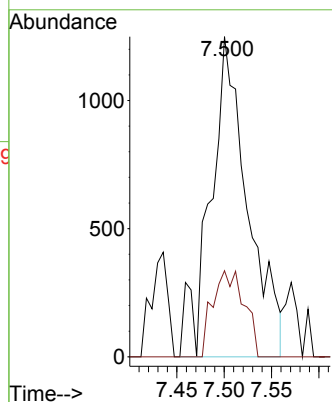
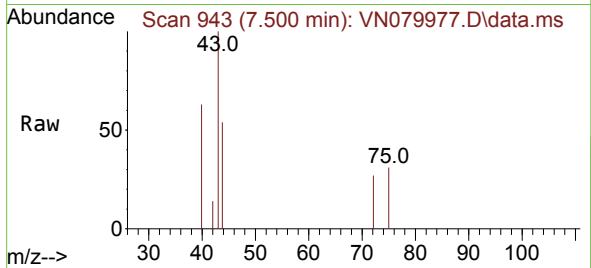




#25
2-Butanone
Concen: 1.552 ug/l
RT: 7.500 min Scan# 940
Delta R.T. 0.012 min
Lab File: VN079977.D
Acq: 07 Nov 2023 20:10

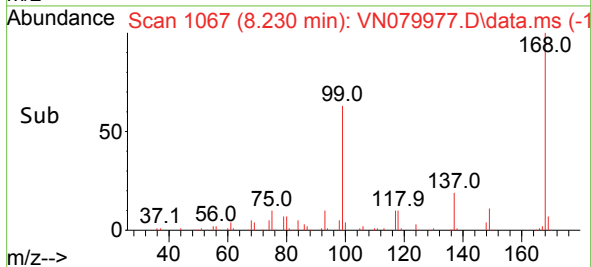
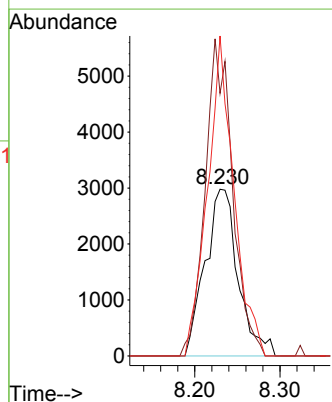
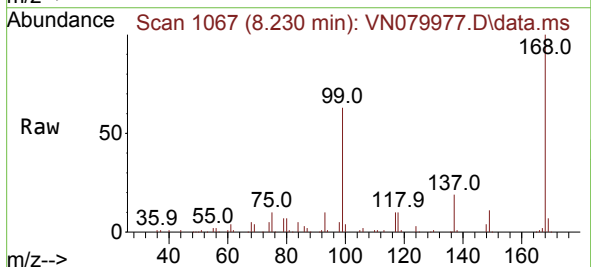
Instrument :
MSVOA_N
ClientSampleId :

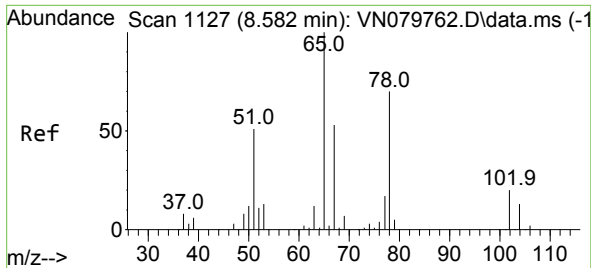
Tgt Ion: 43 Resp: 3439
Ion Ratio Lower Upper
43 100
72 26.9 30.2 45.2#



#31
Cyclohexane
Concen: 1.403 ug/l
RT: 8.230 min Scan# 1067
Delta R.T. -0.029 min
Lab File: VN079977.D
Acq: 07 Nov 2023 20:10

Tgt Ion: 56 Resp: 7989
Ion Ratio Lower Upper
56 100
69 157.5 26.8 40.2#
84 191.9 81.8 122.6#





#33

1,2-Dichloroethane-d4

Concen: 56.426 ug/l

RT: 8.583 min Scan# 1127

Delta R.T. 0.000 min

Lab File: VN079977.D

Acq: 07 Nov 2023 20:10

Instrument :

MSVOA_N

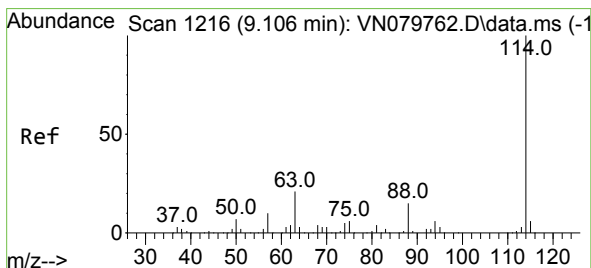
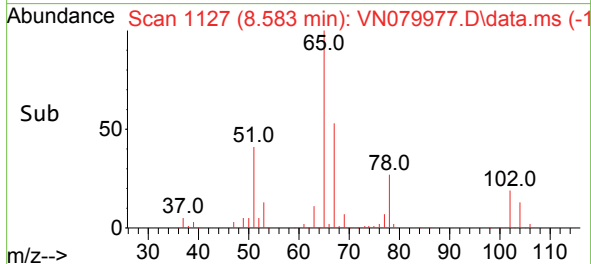
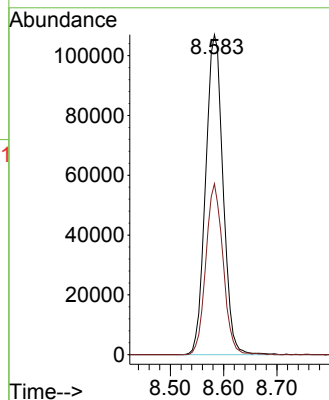
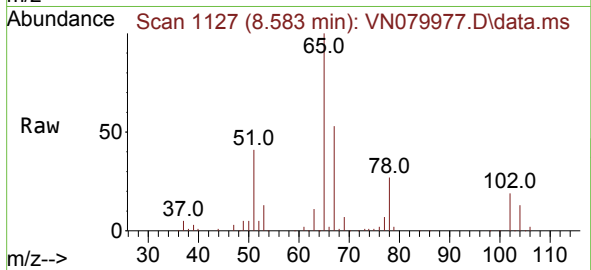
ClientSampleId :

Tgt Ion: 65 Resp: 243140

Ion Ratio Lower Upper

65 100

67 52.8 0.0 106.6



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.106 min Scan# 1216

Delta R.T. 0.000 min

Lab File: VN079977.D

Acq: 07 Nov 2023 20:10

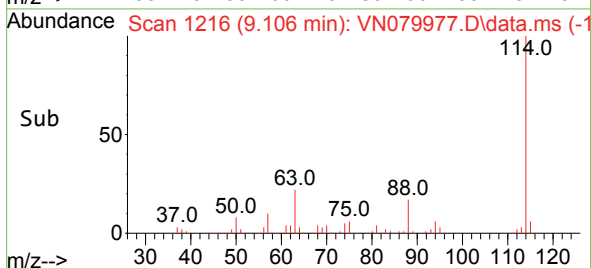
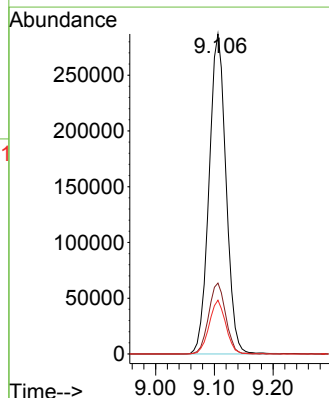
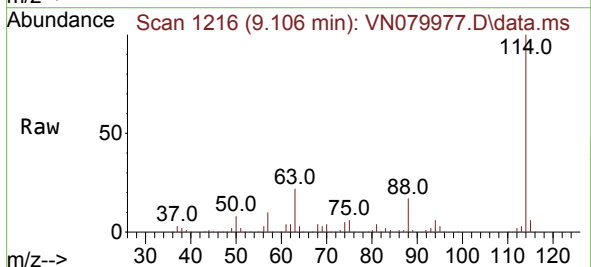
Tgt Ion: 114 Resp: 575876

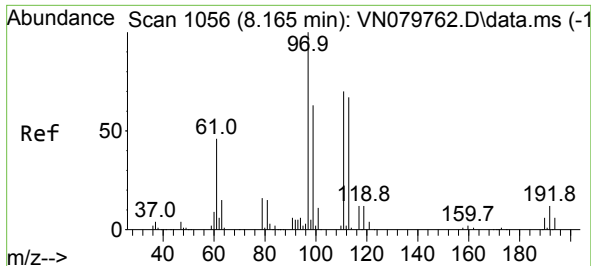
Ion Ratio Lower Upper

114 100

63 22.1 0.0 36.4

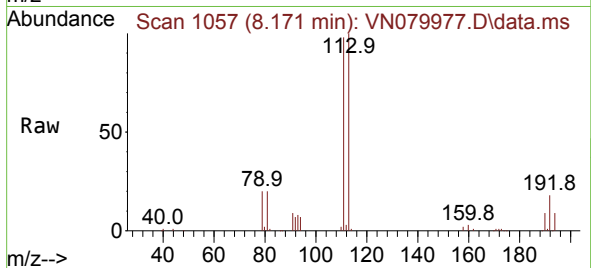
88 16.8 0.0 30.6



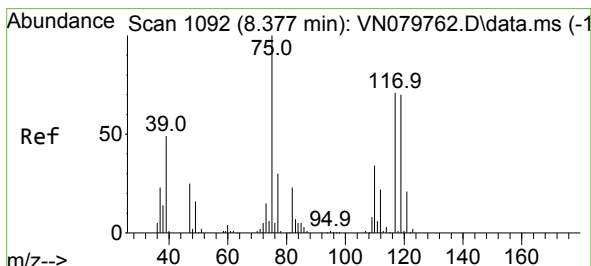
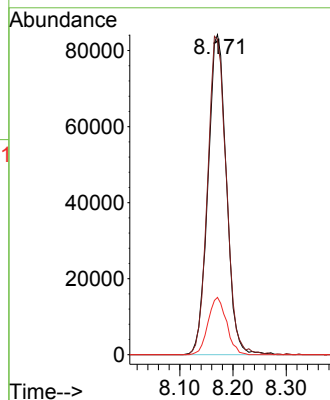
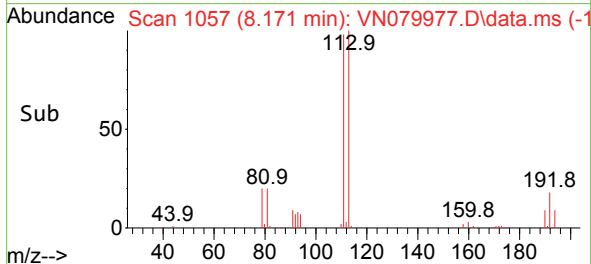


#35
Dibromofluoromethane
Concen: 49.624 ug/l
RT: 8.171 min Scan# 1056
Delta R.T. 0.000 min
Lab File: VN079977.D
Acq: 07 Nov 2023 20:10

Instrument :
MSVOA_N
ClientSampleId :

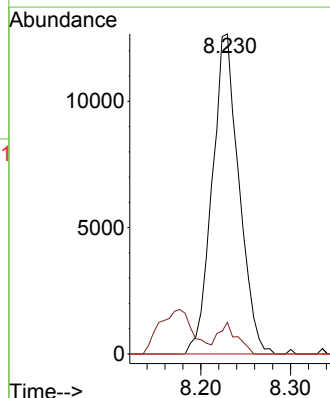
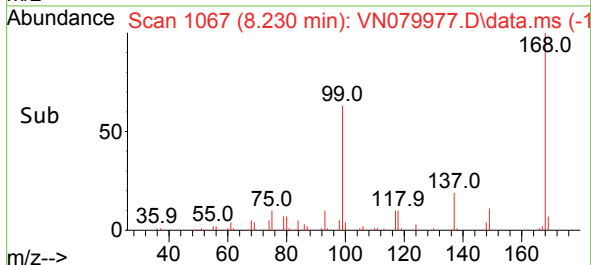
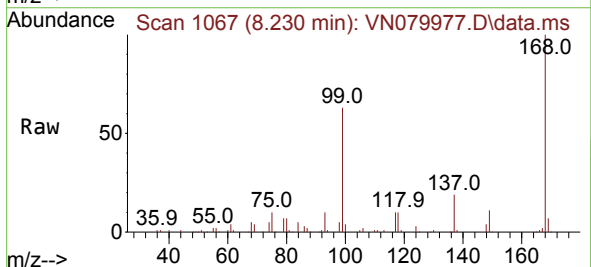


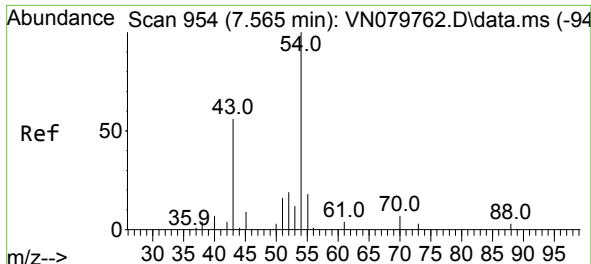
Tgt Ion:113 Resp: 202257
Ion Ratio Lower Upper
113 100
111 101.0 82.6 123.8
192 17.9 12.7 19.1



#36
1,1-Dichloropropene
Concen: 4.517 ug/l
RT: 8.230 min Scan# 1067
Delta R.T. -0.147 min
Lab File: VN079977.D
Acq: 07 Nov 2023 20:10

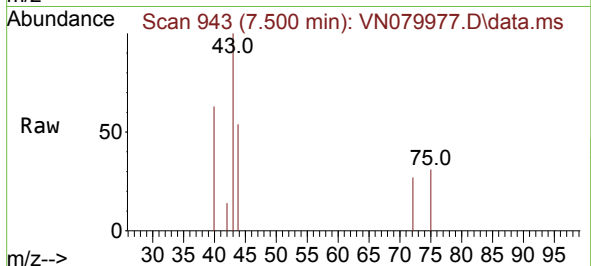
Tgt Ion: 75 Resp: 26288
Ion Ratio Lower Upper
75 100
110 6.8 19.1 57.3#
77 0.0 25.0 37.4#



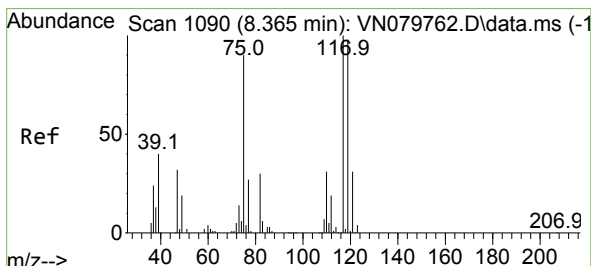
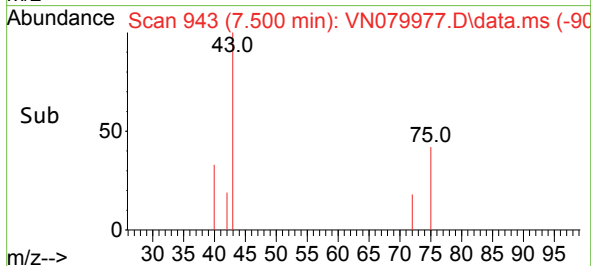
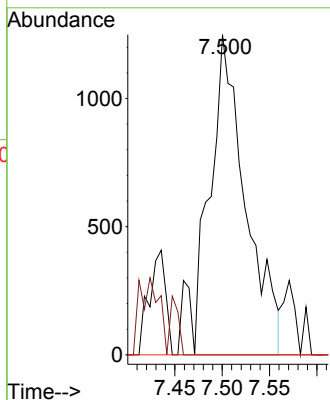


#37
Ethyl Acetate
Concen: 0.644 ug/l
RT: 7.500 min Scan# 94
Delta R.T. -0.065 min
Lab File: VN079977.D
Acq: 07 Nov 2023 20:10

Instrument :
MSVOA_N
ClientSampleId :

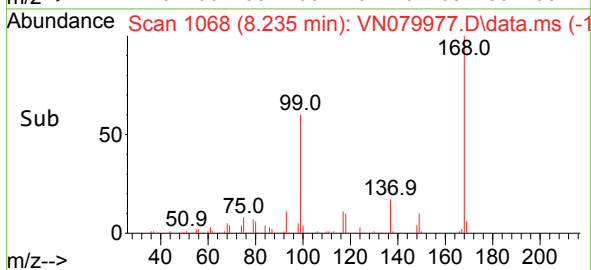
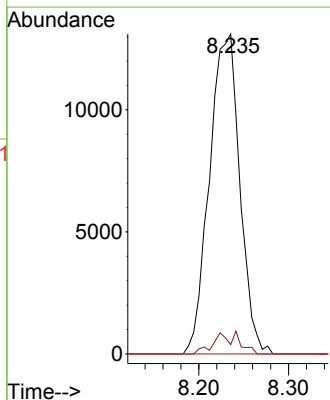
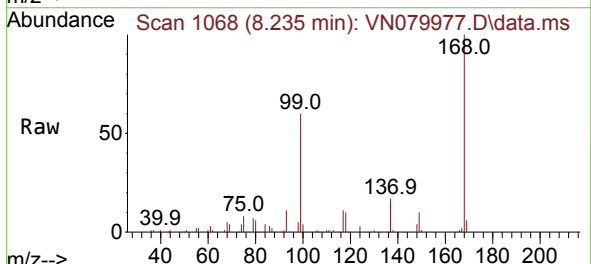


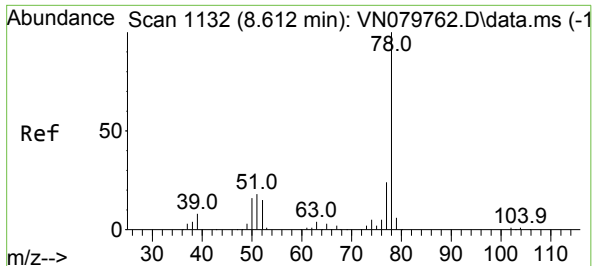
Tgt Ion: 43 Resp: 3439
Ion Ratio Lower Upper
43 100
61 0.0 13.2 19.8#
70 0.0 11.3 16.9#



#38
Carbon Tetrachloride
Concen: 5.240 ug/l
RT: 8.235 min Scan# 1068
Delta R.T. -0.123 min
Lab File: VN079977.D
Acq: 07 Nov 2023 20:10

Tgt Ion: 117 Resp: 30735
Ion Ratio Lower Upper
117 100
119 2.9 77.3 115.9#
121 0.0 23.3 34.9#

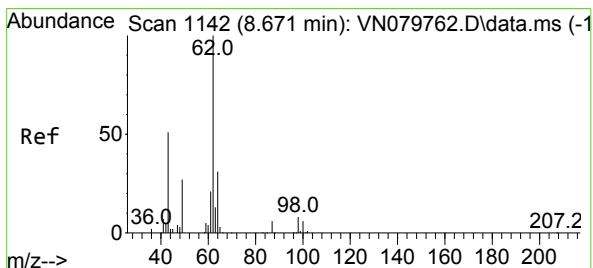
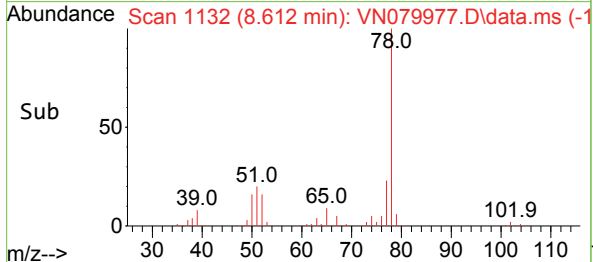
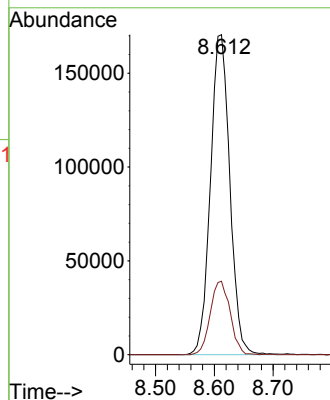
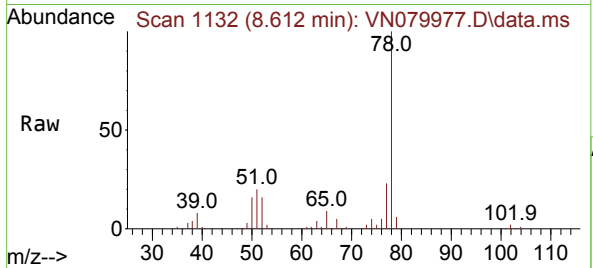




#40
Benzene
Concen: 22.399 ug/l
RT: 8.612 min Scan# 1132
Delta R.T. 0.000 min
Lab File: VN079977.D
Acq: 07 Nov 2023 20:10

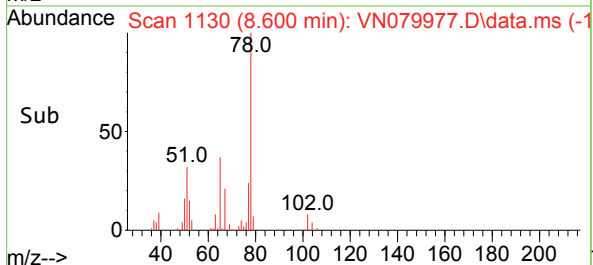
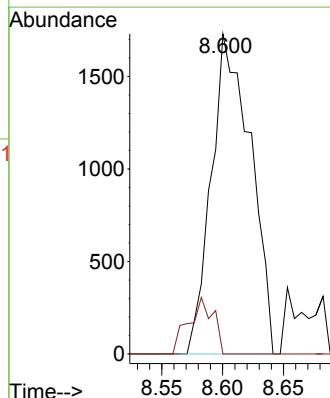
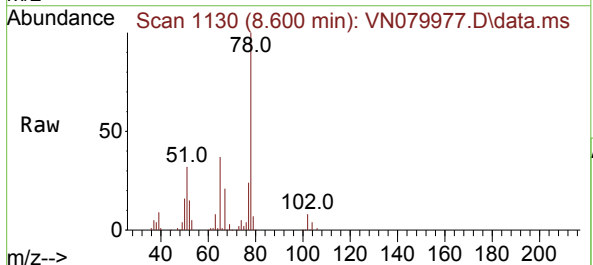
Instrument :
MSVOA_N
ClientSampleId :

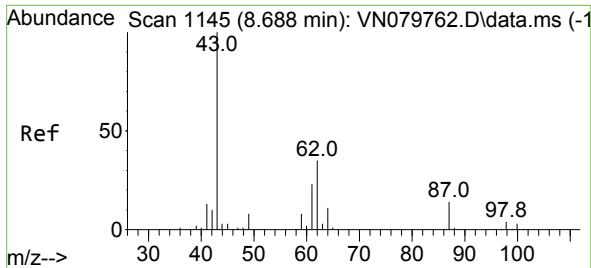
Tgt Ion: 78 Resp: 390418
Ion Ratio Lower Upper
78 100
77 23.0 19.0 28.6



#42
1,2-Dichloroethane
Concen: 0.636 ug/l
RT: 8.600 min Scan# 1130
Delta R.T. -0.070 min
Lab File: VN079977.D
Acq: 07 Nov 2023 20:10

Tgt Ion: 62 Resp: 3870
Ion Ratio Lower Upper
62 100
98 11.1 0.0 19.8

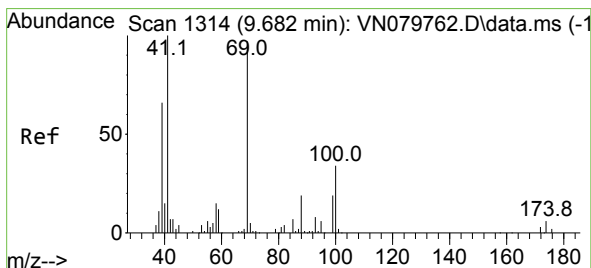
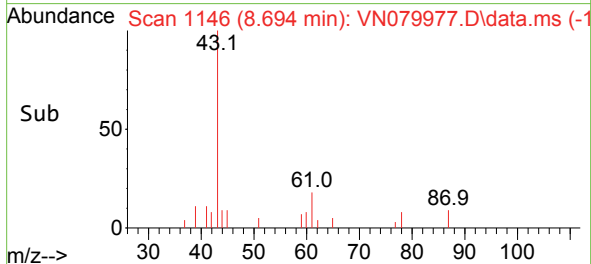
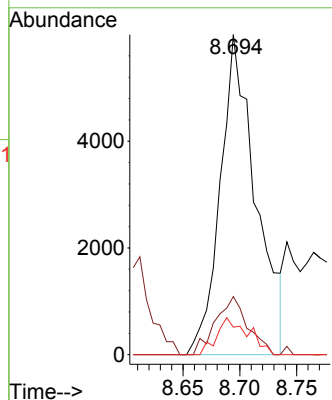
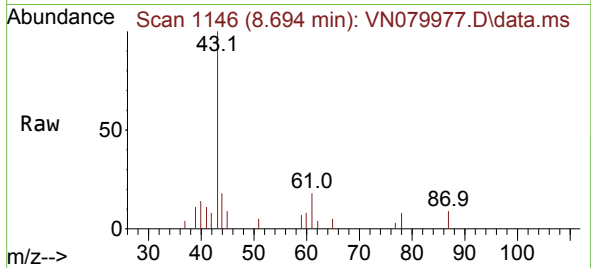




#43
Isopropyl Acetate
Concen: 1.392 ug/l
RT: 8.694 min Scan# 1146
Delta R.T. 0.006 min
Lab File: VN079977.D
Acq: 07 Nov 2023 20:10

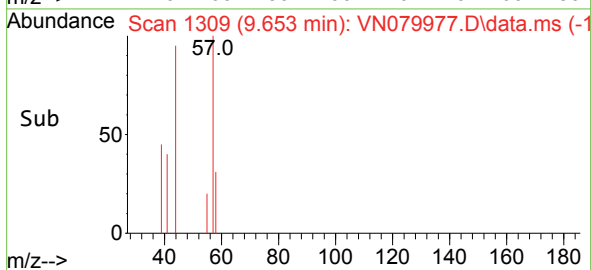
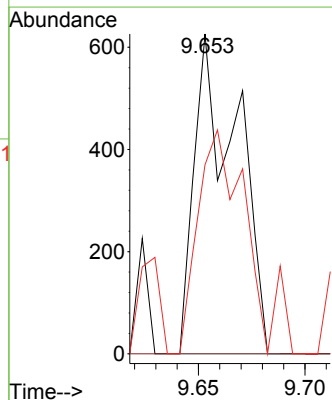
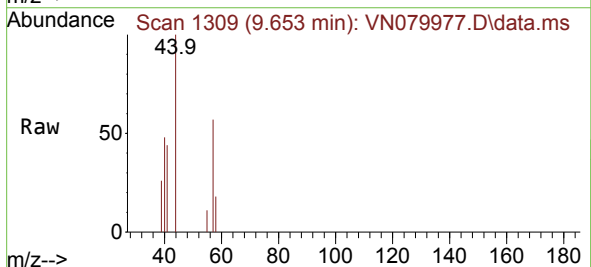
Instrument :
MSVOA_N
ClientSampleId :

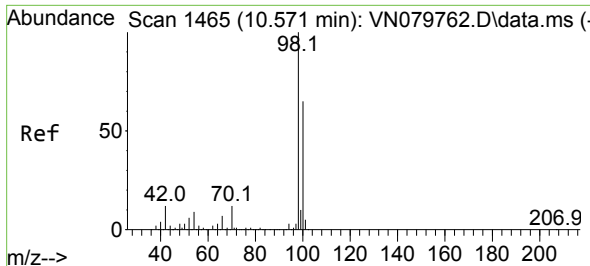
Tgt Ion: 43 Resp: 13026
Ion Ratio Lower Upper
43 100
61 16.5 24.7 37.1#
87 10.3 14.6 21.8#



#48
Methyl methacrylate
Concen: 0.212 ug/l
RT: 9.653 min Scan# 1309
Delta R.T. -0.029 min
Lab File: VN079977.D
Acq: 07 Nov 2023 20:10

Tgt Ion: 41 Resp: 869
Ion Ratio Lower Upper
41 100
69 0.0 90.4 135.6#
39 81.2 54.6 81.8

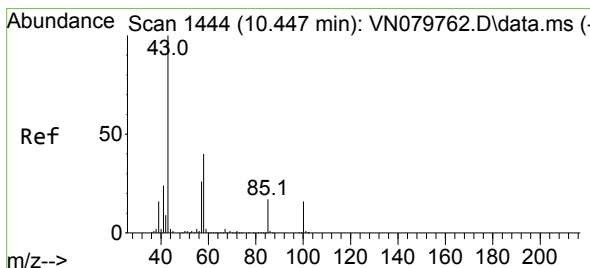
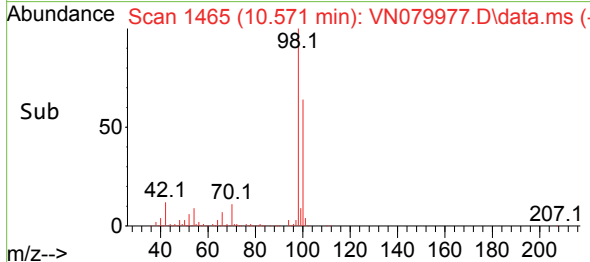
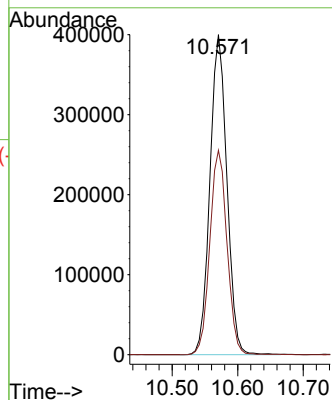
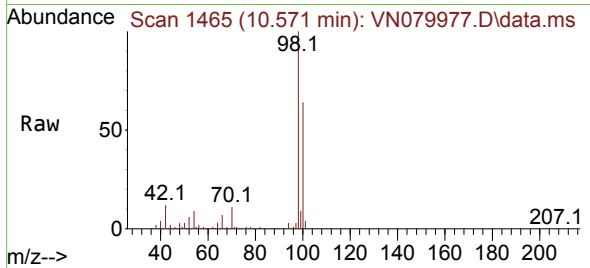




#50
Toluene-d8
Concen: 47.914 ug/l
RT: 10.571 min Scan# 1465
Delta R.T. 0.000 min
Lab File: VN079977.D
Acq: 07 Nov 2023 20:10

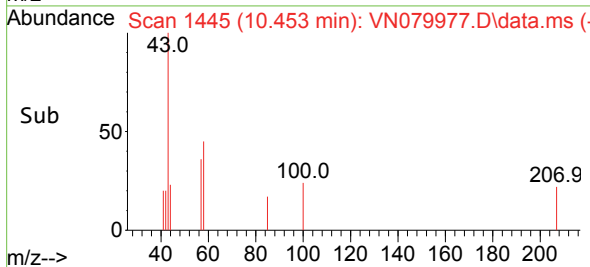
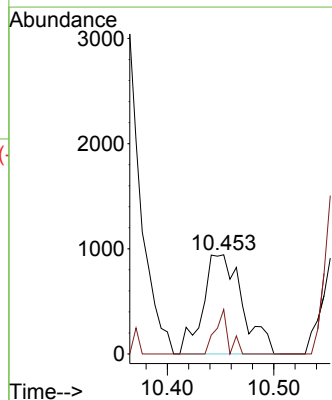
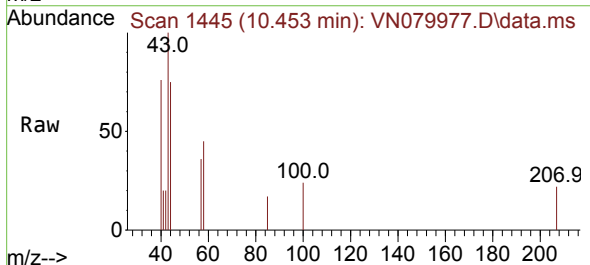
Instrument :
MSVOA_N
ClientSampleId :

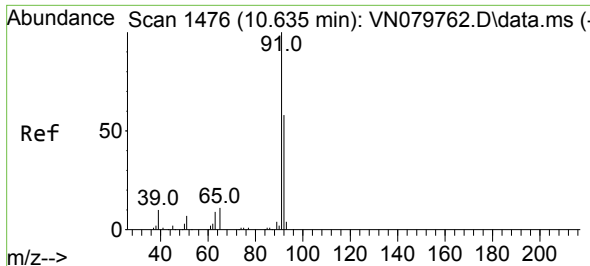
Tgt Ion: 98 Resp: 718929
Ion Ratio Lower Upper
98 100
100 64.6 52.0 78.0



#51
4-Methyl-2-Pentanone
Concen: 0.462 ug/l
RT: 10.453 min Scan# 1445
Delta R.T. 0.006 min
Lab File: VN079977.D
Acq: 07 Nov 2023 20:10

Tgt Ion: 43 Resp: 2434
Ion Ratio Lower Upper
43 100
58 14.8 36.6 54.8#

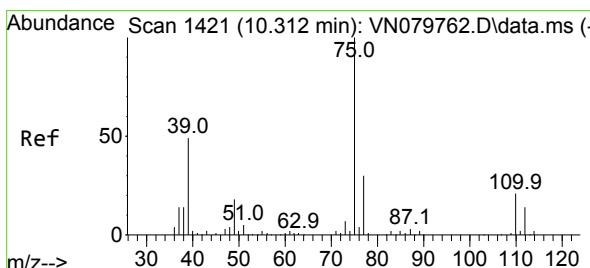
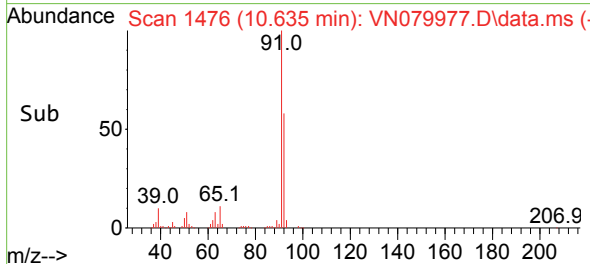
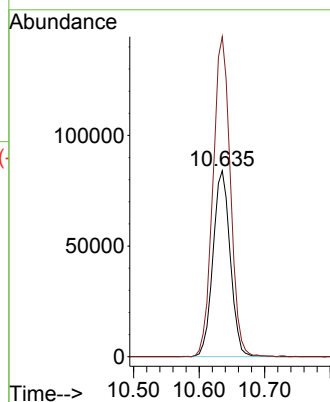
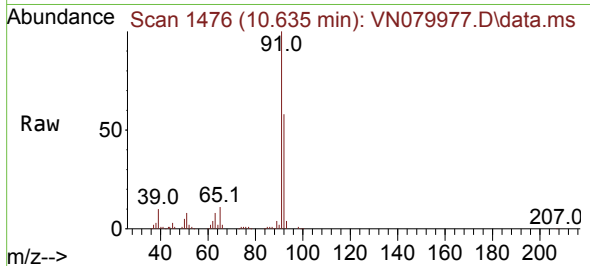




#52
Toluene
Concen: 14.804 ug/l
RT: 10.635 min Scan# 1476
Delta R.T. 0.000 min
Lab File: VN079977.D
Acq: 07 Nov 2023 20:10

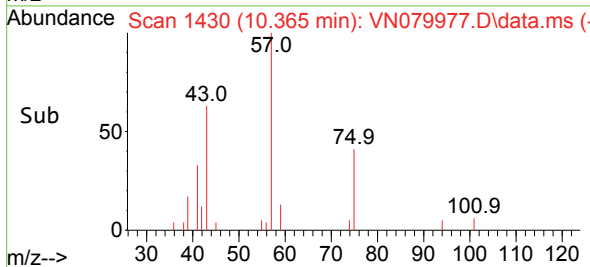
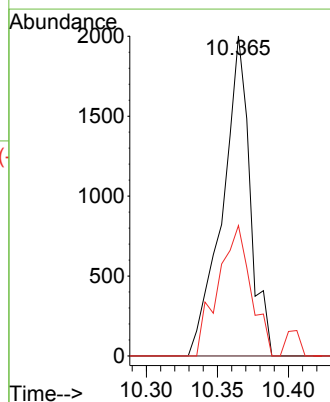
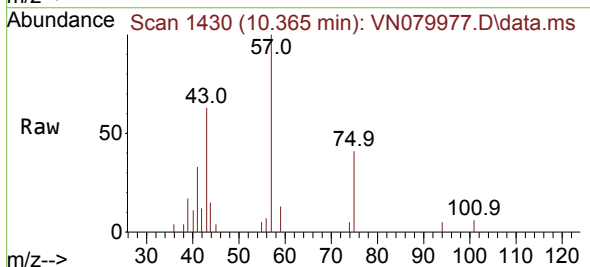
Instrument :
MSVOA_N
ClientSampleId :

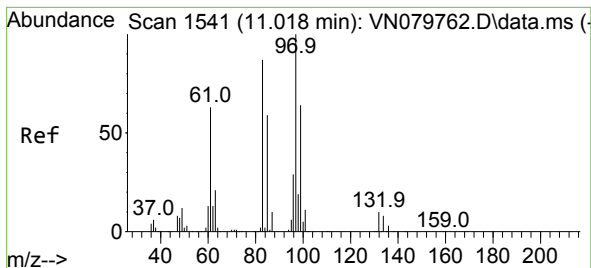
Tgt Ion: 92 Resp: 152982
Ion Ratio Lower Upper
92 100
91 174.2 137.4 206.0



#54
cis-1,3-Dichloropropene
Concen: 0.390 ug/l
RT: 10.365 min Scan# 1430
Delta R.T. 0.047 min
Lab File: VN079977.D
Acq: 07 Nov 2023 20:10

Tgt Ion: 75 Resp: 2702
Ion Ratio Lower Upper
75 100
77 0.0 26.1 39.1#
39 40.8 31.6 47.4





#55

1,1,2-Trichloroethane

Concen: 0.293 ug/l

RT: 10.894 min Scan# 1

Delta R.T. -0.123 min

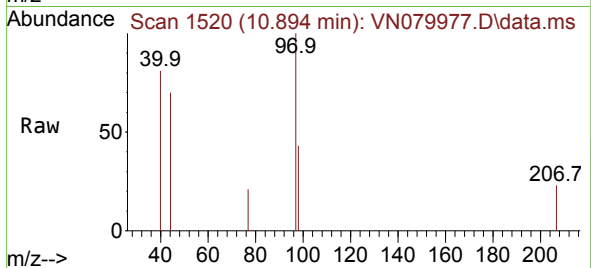
Lab File: VN079977.D

Acq: 07 Nov 2023 20:10

Instrument :

MSVOA_N

ClientSampleId :



Tgt Ion: 97 Resp: 1216

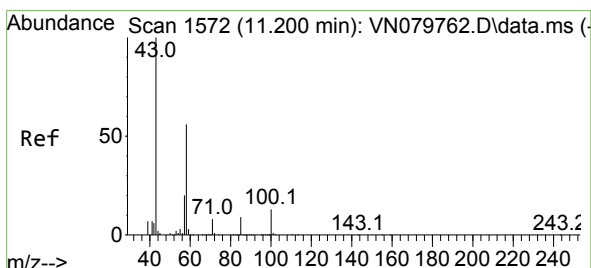
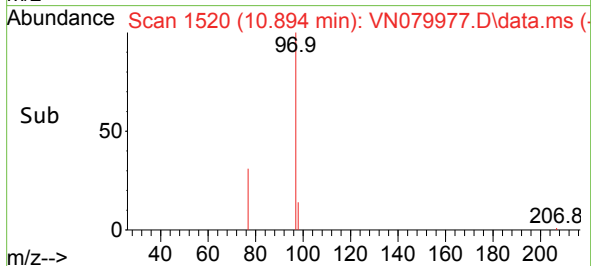
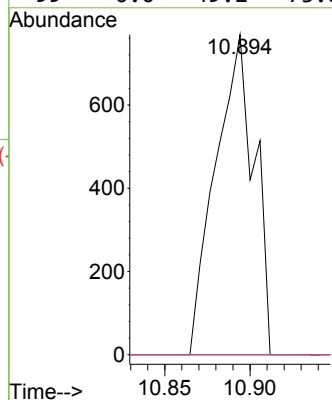
Ion Ratio Lower Upper

97 100

83 0.0 65.1 97.7#

85 0.0 43.4 65.2#

99 0.0 49.2 73.8#



#59

2-Hexanone

Concen: 1.454 ug/l

RT: 11.176 min Scan# 1568

Delta R.T. -0.023 min

Lab File: VN079977.D

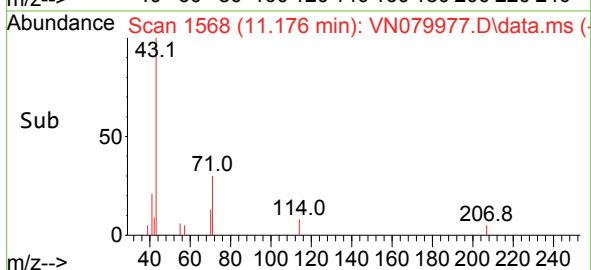
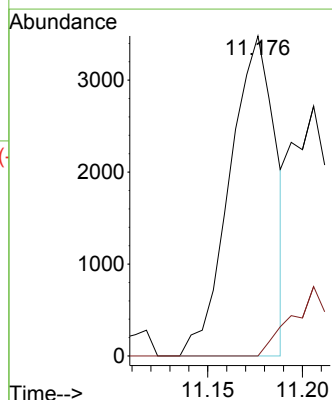
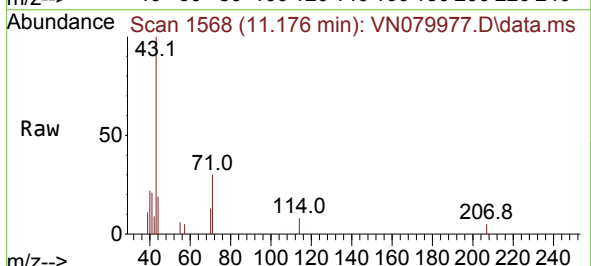
Acq: 07 Nov 2023 20:10

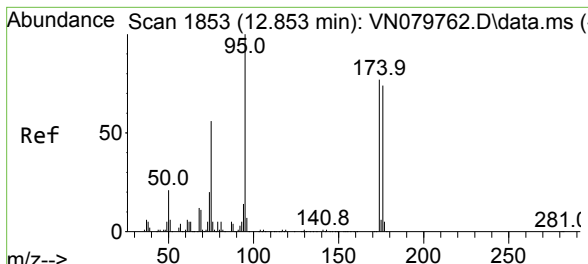
Tgt Ion: 43 Resp: 5863

Ion Ratio Lower Upper

43 100

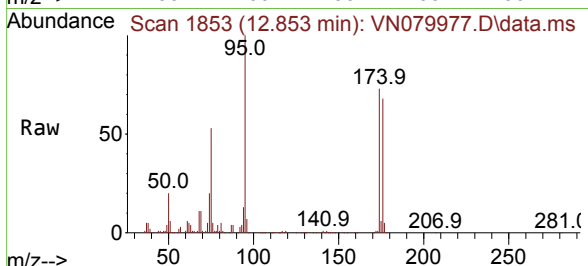
58 0.0 31.7 95.1#



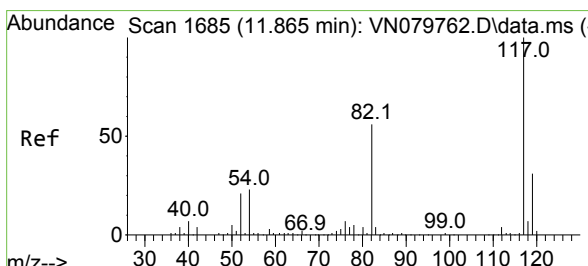
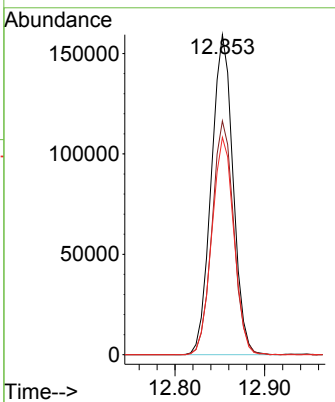
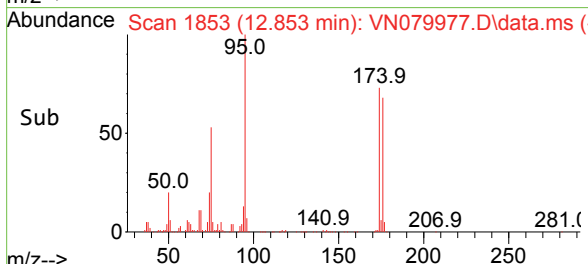


#62
 4-Bromofluorobenzene
 Concen: 53.810 ug/l
 RT: 12.853 min Scan# 1853
 Delta R.T. 0.000 min
 Lab File: VN079977.D
 Acq: 07 Nov 2023 20:10

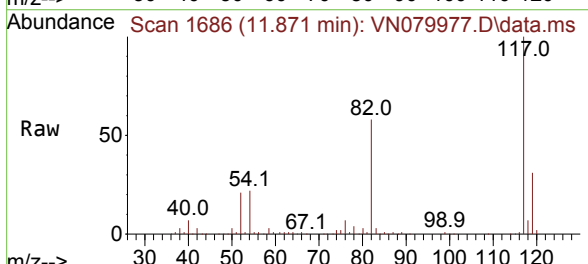
Instrument :
 MSVOA_N
 ClientSampleId :



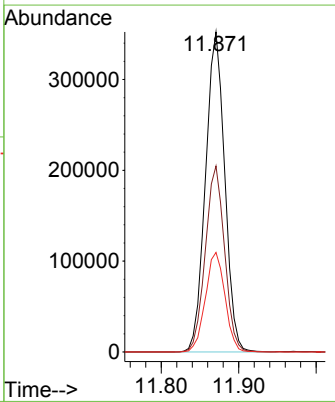
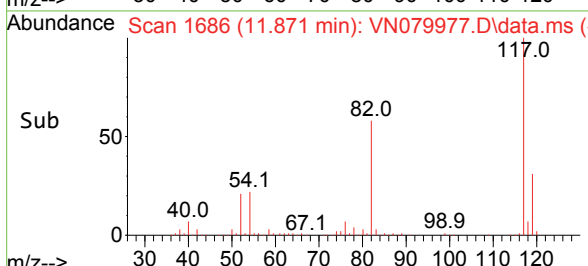
Tgt Ion:	95	Resp:	267773
Ion	Ratio	Lower	Upper
95	100		
174	72.6	0.0	143.8
176	68.9	0.0	135.8

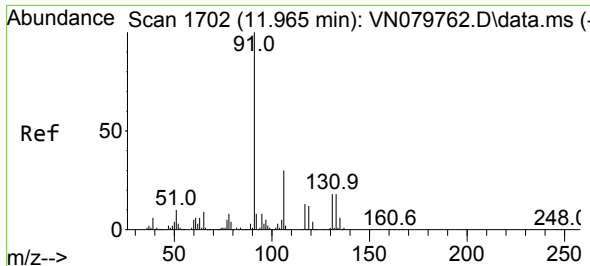


#63
 Chlorobenzene-d5
 Concen: 50.000 ug/l
 RT: 11.871 min Scan# 1686
 Delta R.T. 0.000 min
 Lab File: VN079977.D
 Acq: 07 Nov 2023 20:10



Tgt Ion:	117	Resp:	607675
Ion	Ratio	Lower	Upper
117	100		
82	58.1	44.0	66.0
119	31.1	25.6	38.4





#67

Ethyl Benzene

Concen: 0.782 ug/l

RT: 11.971 min Scan# 1703

Delta R.T. 0.006 min

Lab File: VN079977.D

Acq: 07 Nov 2023 20:10

Instrument :

MSVOA_N

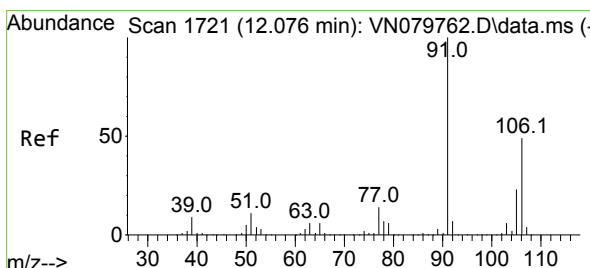
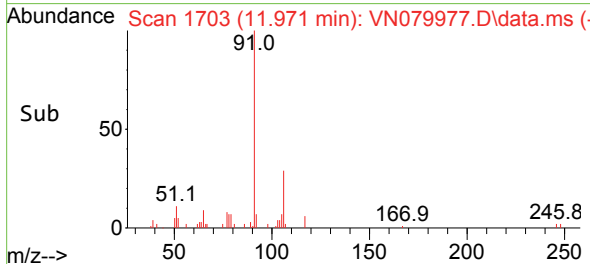
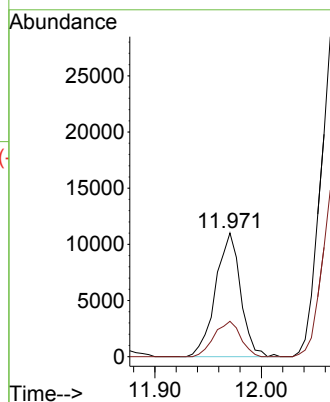
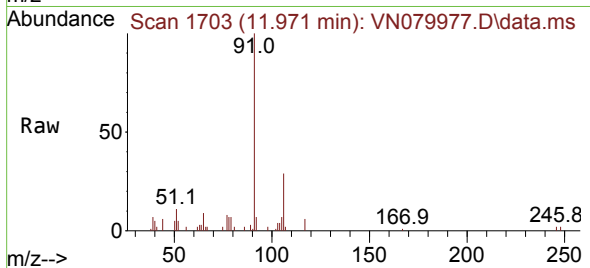
ClientSampleId :

Tgt Ion: 91 Resp: 17969

Ion Ratio Lower Upper

91 100

106 28.7 25.6 38.4



#68

m/p-Xylenes

Concen: 3.478 ug/l

RT: 12.071 min Scan# 1720

Delta R.T. 0.000 min

Lab File: VN079977.D

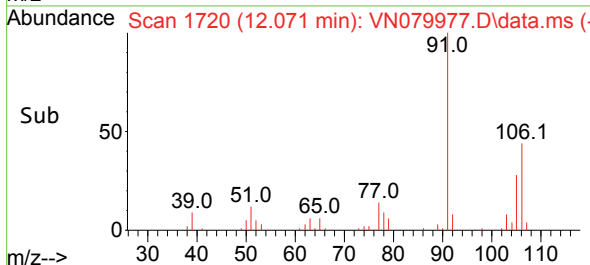
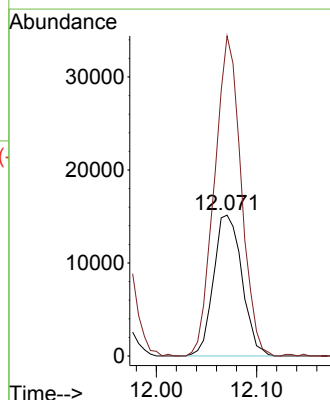
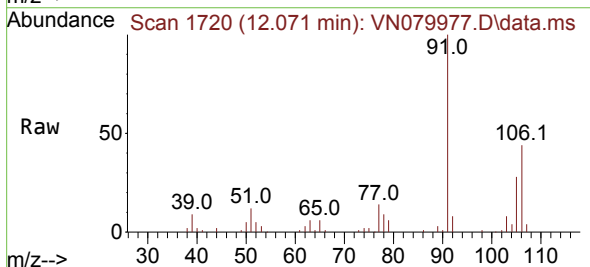
Acq: 07 Nov 2023 20:10

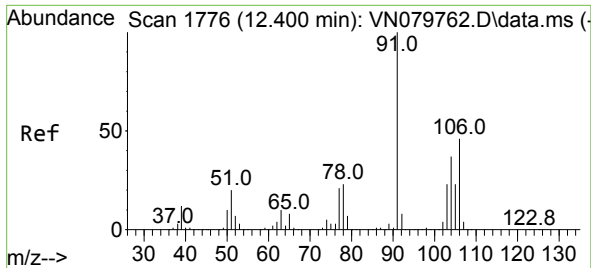
Tgt Ion:106 Resp: 29755

Ion Ratio Lower Upper

106 100

91 213.6 159.6 239.4

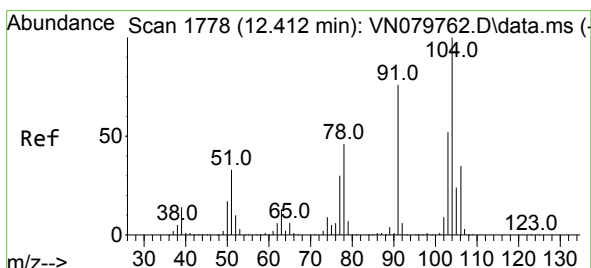
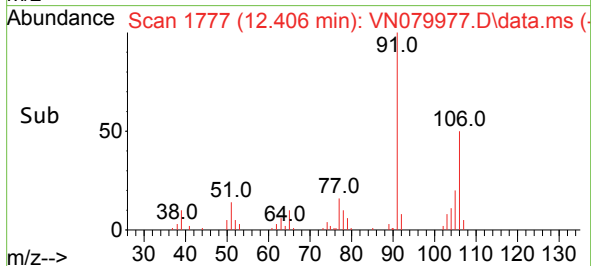
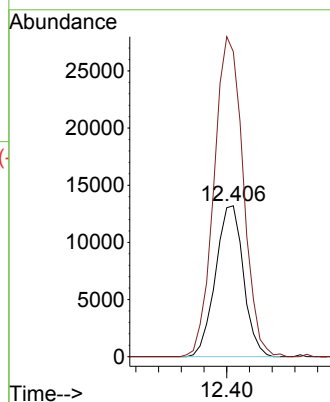
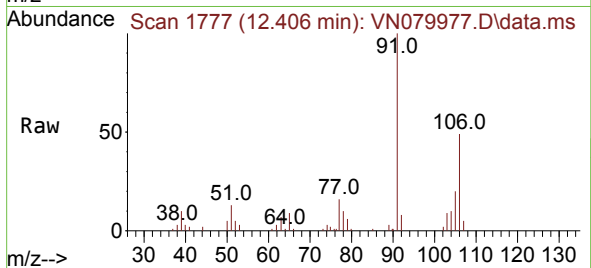




#69
o-Xylene
Concen: 2.734 ug/l
RT: 12.406 min Scan# 1776
Delta R.T. 0.006 min
Lab File: VN079977.D
Acq: 07 Nov 2023 20:10

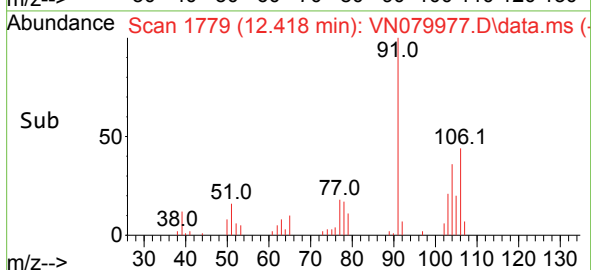
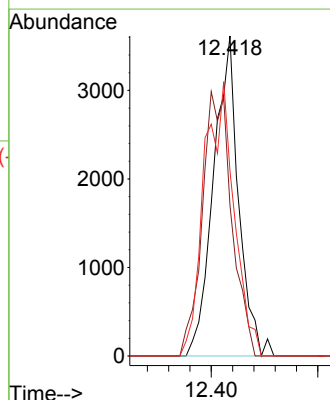
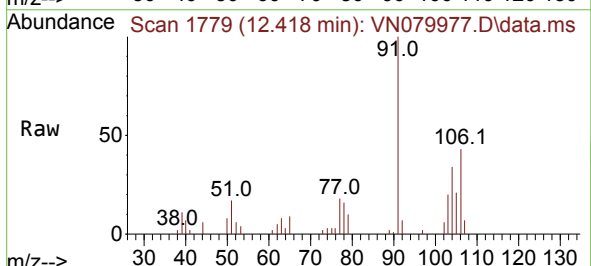
Instrument :
MSVOA_N
ClientSampleId :

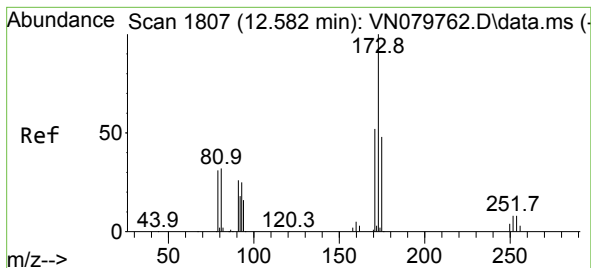
Tgt Ion:106 Resp: 22525
Ion Ratio Lower Upper
106 100
91 222.0 105.2 315.5



#70
Styrene
Concen: 0.448 ug/l
RT: 12.418 min Scan# 1779
Delta R.T. 0.006 min
Lab File: VN079977.D
Acq: 07 Nov 2023 20:10

Tgt Ion:104 Resp: 5927
Ion Ratio Lower Upper
104 100
78 96.6 39.5 59.3#
103 102.2 43.2 64.8#





#71

Bromoform

Concen: 0.518 ug/l

RT: 12.847 min Scan# 1807

Delta R.T. 0.265 min

Lab File: VN079977.D

Acq: 07 Nov 2023 20:10

Instrument :

MSVOA_N

ClientSampleId :

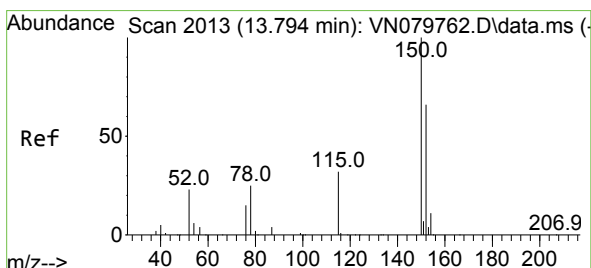
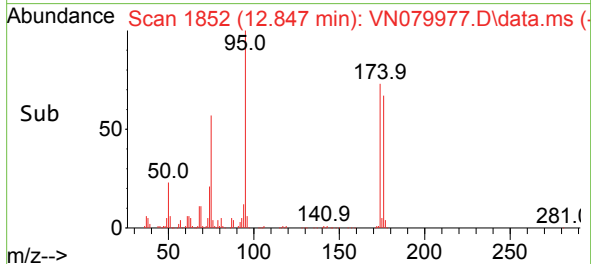
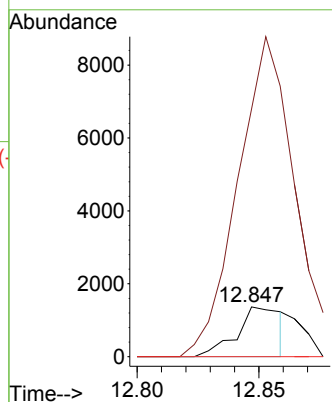
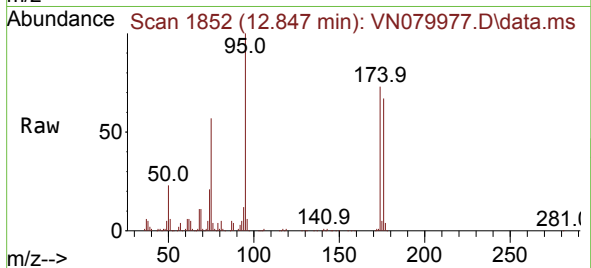
Tgt Ion:173 Resp: 1748

Ion Ratio Lower Upper

173 100

175 636.0 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: VN079977.D

Acq: 07 Nov 2023 20:10

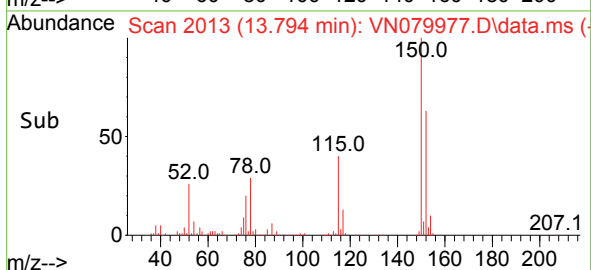
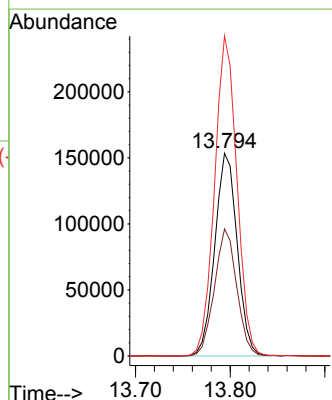
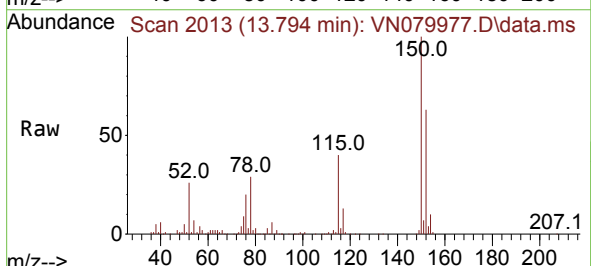
Tgt Ion:152 Resp: 252594

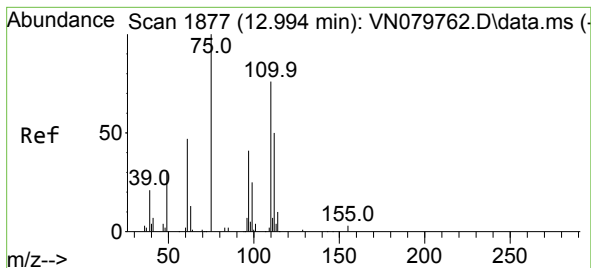
Ion Ratio Lower Upper

152 100

115 62.3 32.3 96.8

150 157.1 0.0 355.8





#76

1,2,3-Trichloropropane

Concen: 24.352 ug/l

RT: 12.853 min Scan# 1853

Delta R.T. -0.141 min

Lab File: VN079977.D

Acq: 07 Nov 2023 20:10

Instrument :

MSVOA_N

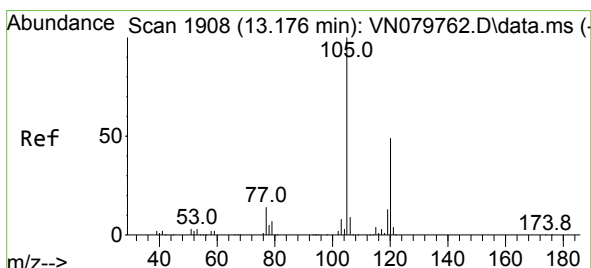
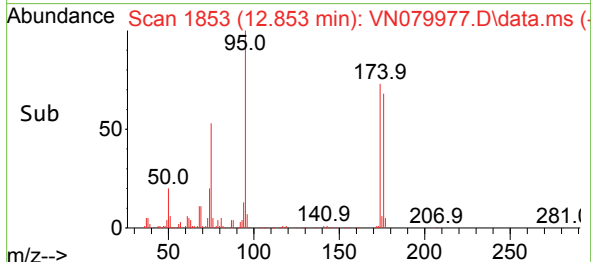
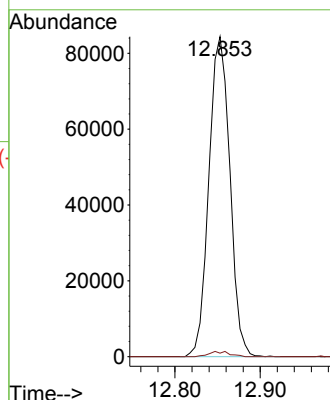
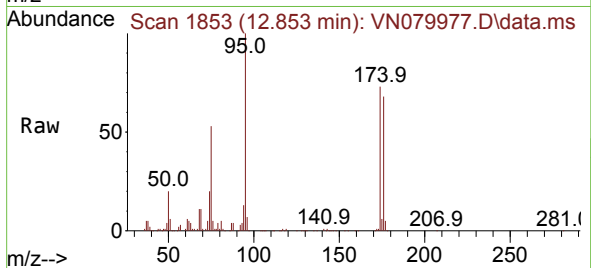
ClientSampleId :

Tgt Ion: 75 Resp: 144409

Ion Ratio Lower Upper

75 100

77 1.6 84.5 253.5#



#80

1,3,5-Trimethylbenzene

Concen: 0.453 ug/l

RT: 13.182 min Scan# 1909

Delta R.T. 0.006 min

Lab File: VN079977.D

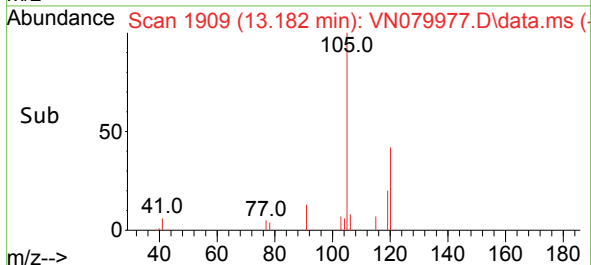
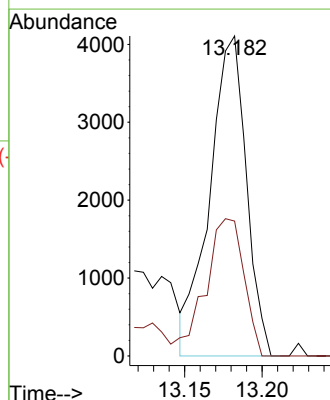
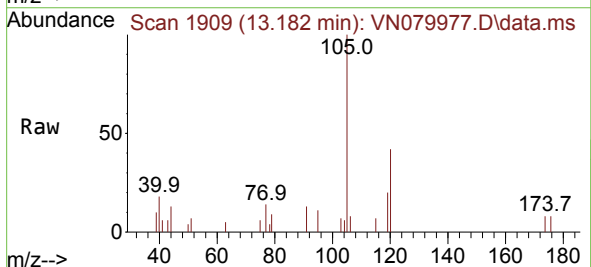
Acq: 07 Nov 2023 20:10

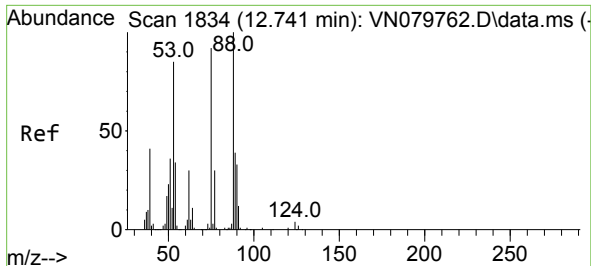
Tgt Ion: 105 Resp: 6756

Ion Ratio Lower Upper

105 100

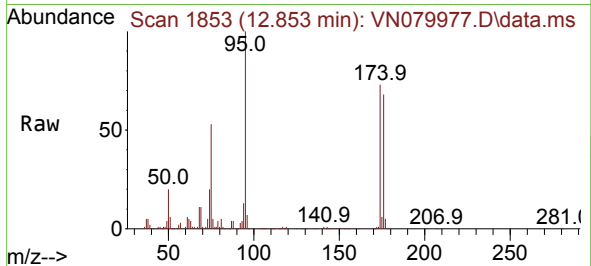
120 45.2 24.1 72.3



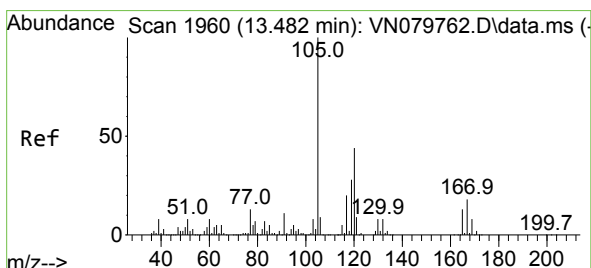
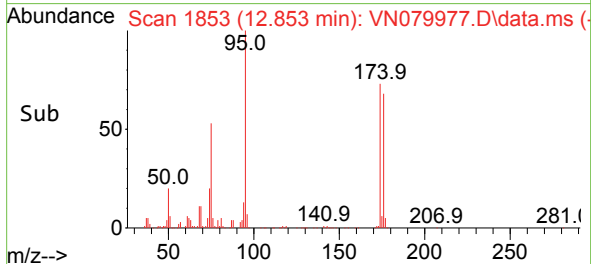
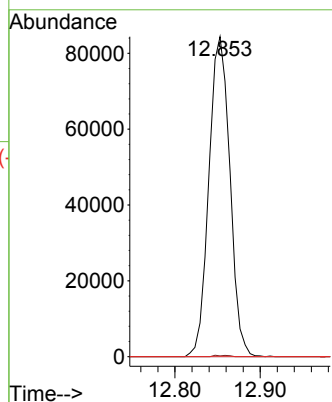


#81
trans-1,4-Dichloro-2-butene
Concen: 66.255 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. 0.118 min
Lab File: VN079977.D
Acq: 07 Nov 2023 20:10

Instrument :
MSVOA_N
ClientSampleId :

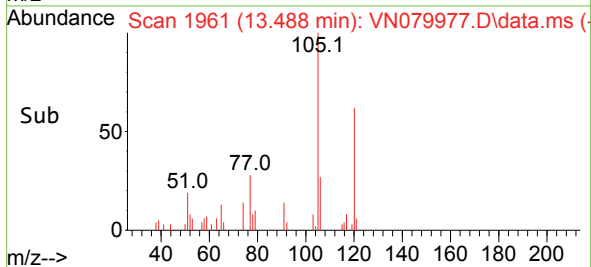
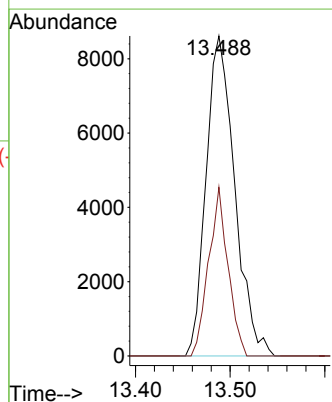
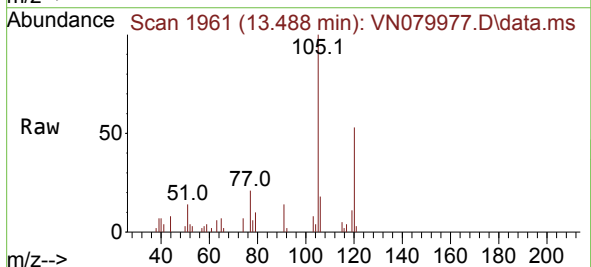


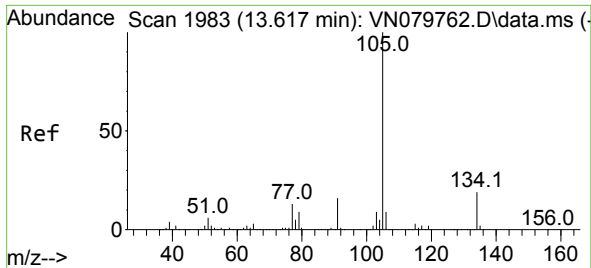
Tgt Ion: 75 Resp: 144409
Ion Ratio Lower Upper
75 100
53 0.3 67.4 101.2#
89 0.0 38.8 58.2#



#84
1,2,4-Trimethylbenzene
Concen: 1.234 ug/l
RT: 13.488 min Scan# 1961
Delta R.T. 0.006 min
Lab File: VN079977.D
Acq: 07 Nov 2023 20:10

Tgt Ion: 105 Resp: 18102
Ion Ratio Lower Upper
105 100
120 35.8 22.0 66.0

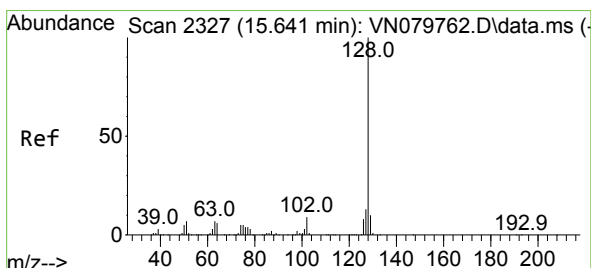
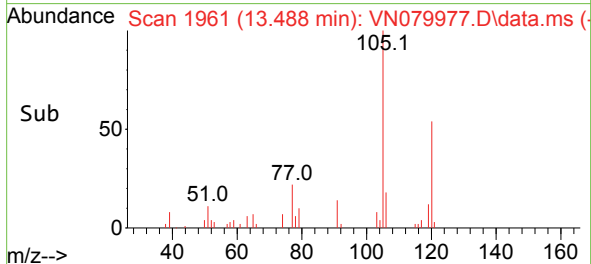
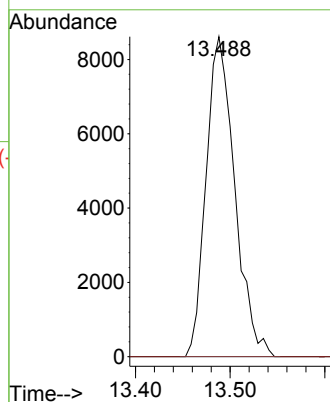
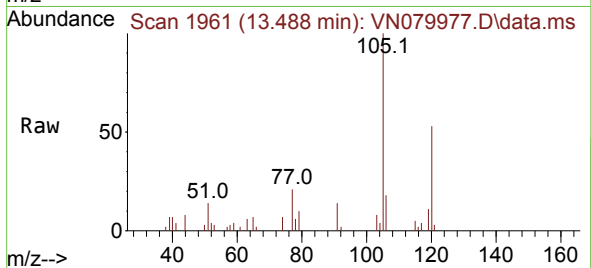




#85
 sec-Butylbenzene
 Concen: 1.070 ug/l
 RT: 13.488 min Scan# 1983
 Delta R.T. -0.129 min
 Lab File: VN079977.D
 Acq: 07 Nov 2023 20:10

Instrument :
 MSVOA_N
 ClientSampleId :

Tgt Ion:105 Resp: 18102
 Ion Ratio Lower Upper
 105 100
 134 0.0 9.8 29.3#



#95
 Naphthalene
 Concen: 20.756 ug/l
 RT: 15.647 min Scan# 2328
 Delta R.T. 0.006 min
 Lab File: VN079977.D
 Acq: 07 Nov 2023 20:10

Tgt Ion:128 Resp: 275861
 Ion Ratio Lower Upper
 128 100
 127 13.2 10.0 15.0
 129 10.6 8.7 13.1

