

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN122822\
 Data File : VN076005.D
 Acq On : 28 Dec 2022 17:20
 Operator : JC\MD
 Sample : N6213-07 100X
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 SB-7

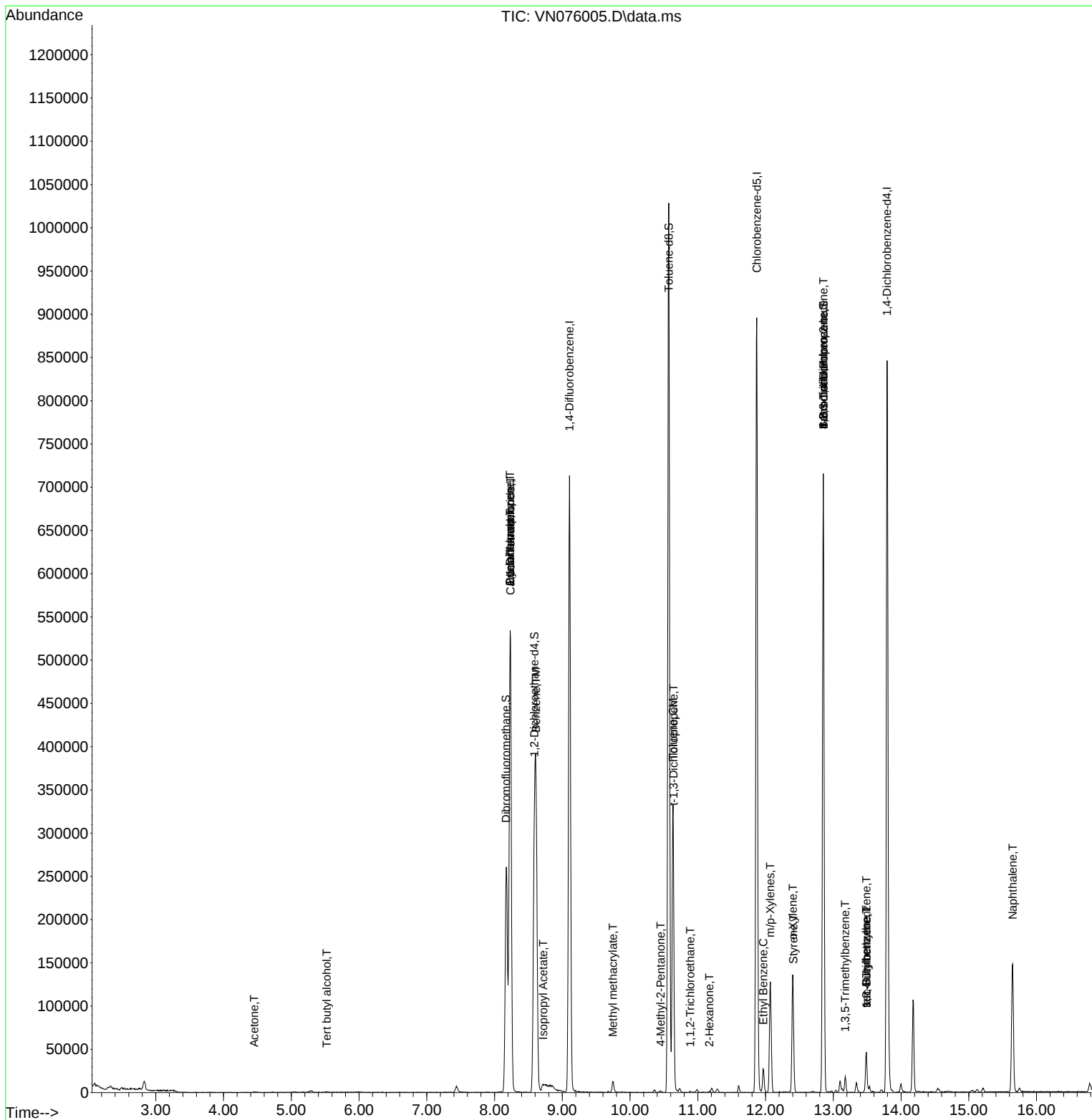
Quant Time: Dec 29 04:54:46 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N121422W.M
 Quant Title : SW846 8260
 QLast Update : Wed Dec 14 13:03:41 2022
 Response via : Initial Calibration

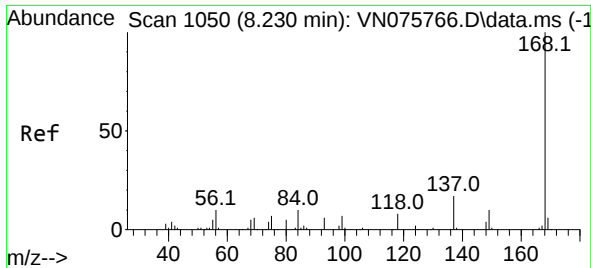
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Pentafluorobenzene	8.230	168	429926	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	654223	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.871	117	559412	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	239528	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.588	65	209564	44.806	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	89.620%		
35) Dibromofluoromethane	8.171	113	188800	46.600	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	93.200%		
50) Toluene-d8	10.571	98	741266	48.934	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	97.860%		
62) 4-Bromofluorobenzene	12.853	95	236728	47.183	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	94.360%		
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	5.524	59	133	0.201	ug/l #	72
16) Acetone	4.453	43	1432	0.888	ug/l	89
20) Methylene Chloride	5.295	84	2063	Below Cal	#	74
31) Cyclohexane	8.230	56	8491	1.268	ug/l #	21
36) 1,1-Dichloropropene	8.230	75	29915	5.558	ug/l #	51
38) Carbon Tetrachloride	8.235	117	42235	7.011	ug/l #	16
40) Benzene	8.612	78	337918	20.350	ug/l	97
43) Isopropyl Acetate	8.718	43	5552	0.779	ug/l #	50
48) Methyl methacrylate	9.747	41	1321	0.411	ug/l #	27
51) 4-Methyl-2-Pentanone	10.453	43	1658	0.384	ug/l #	82
52) Toluene	10.635	92	151892	14.045	ug/l	98
53) t-1,3-Dichloropropene	10.641	75	1583	0.275	ug/l #	1
55) 1,1,2-Trichloroethane	10.888	97	889	0.209	ug/l #	16
59) 2-Hexanone	11.171	43	978	0.311	ug/l #	20
67) Ethyl Benzene	11.965	91	19552	1.009	ug/l	98
68) m/p-Xylenes	12.071	106	43959	5.731	ug/l	96
69) o-Xylene	12.406	106	40249	5.303	ug/l	98
70) Styrene	12.412	104	8220	0.681	ug/l #	31
71) Bromoform	12.853	173	1927	0.623	ug/l #	1
76) 1,2,3-Trichloropropane	12.853	75	119152	24.678	ug/l #	1
80) 1,3,5-Trimethylbenzene	13.176	105	9417	0.650	ug/l	95
81) trans-1,4-Dichloro-2-b...	12.853	75	119152	88.828	ug/l #	12
83) tert-Butylbenzene	13.488	119	3077	0.241	ug/l #	44
84) 1,2,4-Trimethylbenzene	13.488	105	28372	1.974	ug/l	96
85) sec-Butylbenzene	13.488	105	28372	1.609	ug/l #	56
95) Naphthalene	15.647	128	148724	13.089	ug/l	99

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

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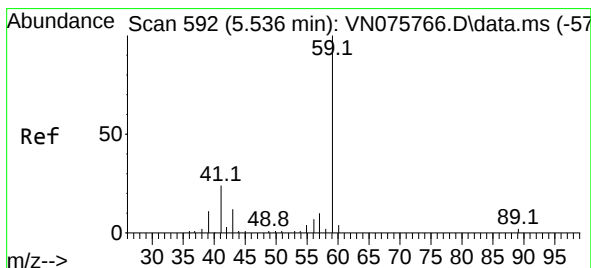
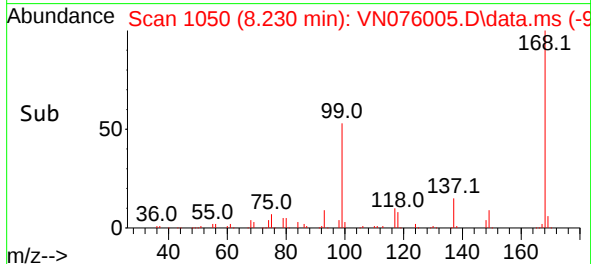
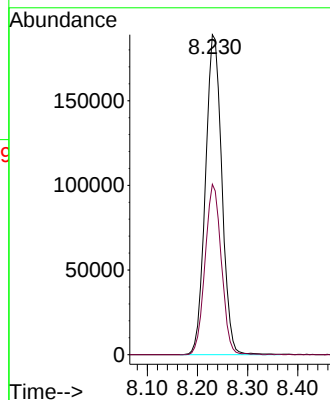
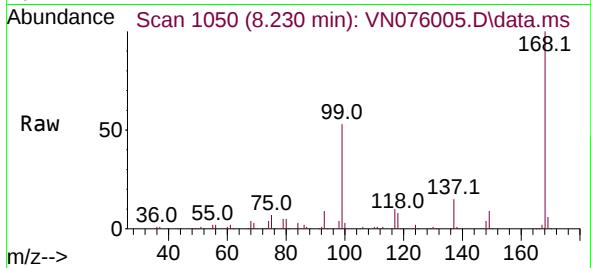




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.230 min Scan# 10
Delta R.T. -0.000 min
Lab File: VN076005.D
Acq: 28 Dec 2022 17:20

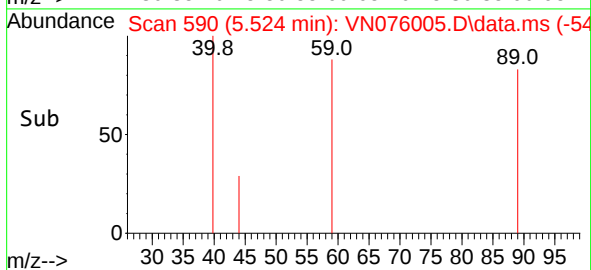
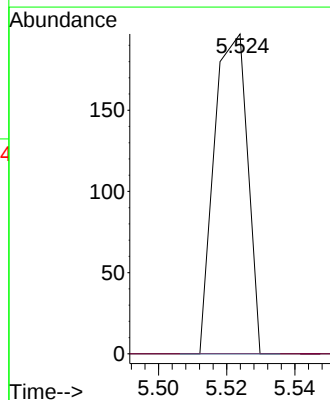
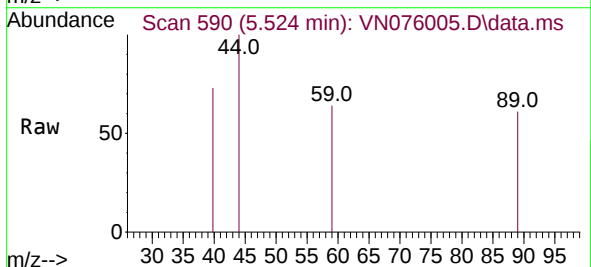
Instrument :
MSVOA_N
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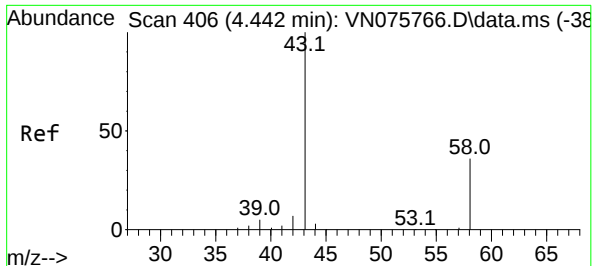
Tgt Ion:168 Resp: 429926
Ion Ratio Lower Upper
168 100
99 53.2 44.2 66.4



#11
Tert butyl alcohol
Concen: 0.201 ug/l
RT: 5.524 min Scan# 590
Delta R.T. -0.012 min
Lab File: VN076005.D
Acq: 28 Dec 2022 17:20

Tgt Ion: 59 Resp: 133
Ion Ratio Lower Upper
59 100
57 0.0 8.2 12.4#





#16

Acetone

Concen: 0.888 ug/l

RT: 4.453 min Scan# 406

Delta R.T. 0.012 min

Lab File: VN076005.D

Acq: 28 Dec 2022 17:20

Instrument :

MSVOA_N

ClientSampleId :

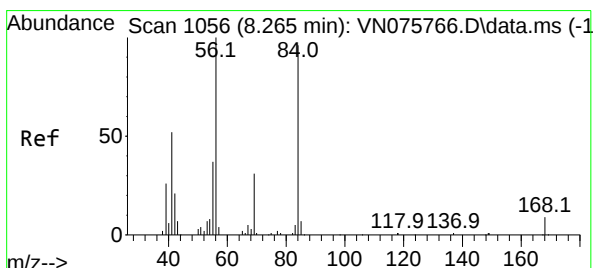
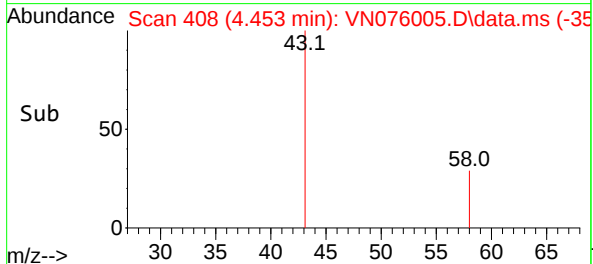
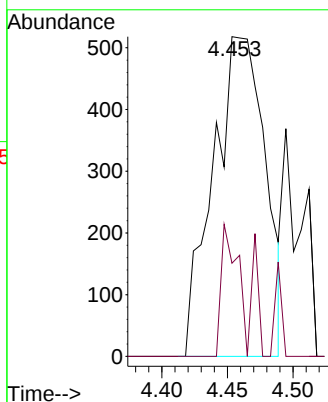
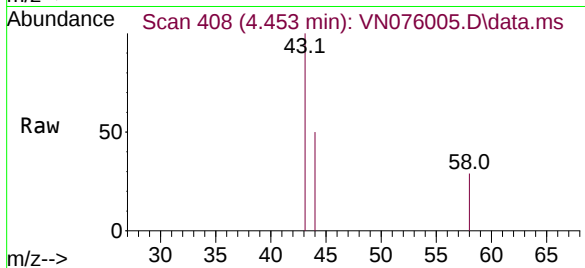
SB-7

Tgt Ion: 43 Resp: 1432

Ion Ratio Lower Upper

43 100

58 29.2 28.6 43.0



#31

Cyclohexane

Concen: 1.268 ug/l

RT: 8.230 min Scan# 1050

Delta R.T. -0.035 min

Lab File: VN076005.D

Acq: 28 Dec 2022 17:20

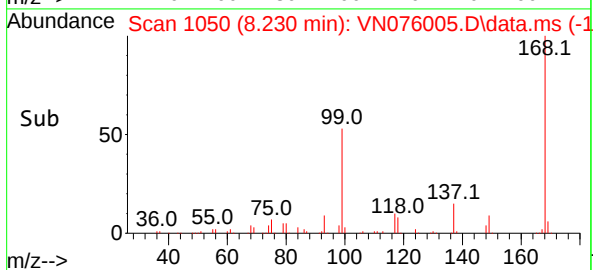
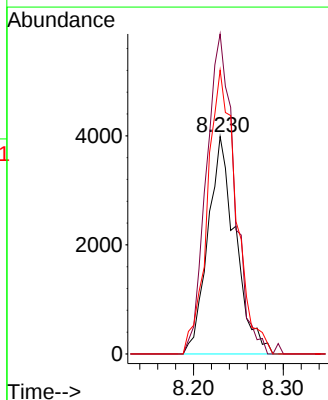
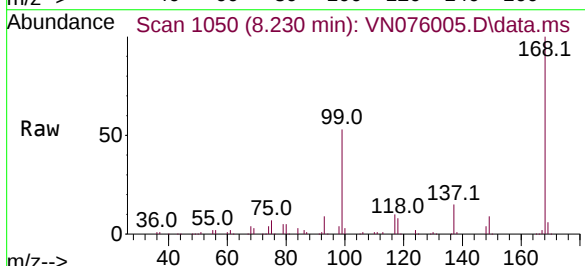
Tgt Ion: 56 Resp: 8491

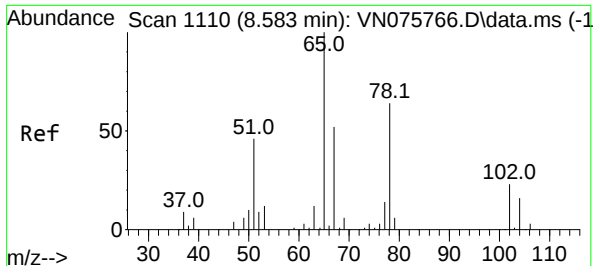
Ion Ratio Lower Upper

56 100

69 147.1 24.7 37.1#

84 130.5 76.5 114.7#





#33

1,2-Dichloroethane-d4

Concen: 44.806 ug/l

RT: 8.588 min Scan# 1111

Delta R.T. 0.006 min

Lab File: VN076005.D

Acq: 28 Dec 2022 17:20

Instrument :

MSVOA_N

ClientSampleId :

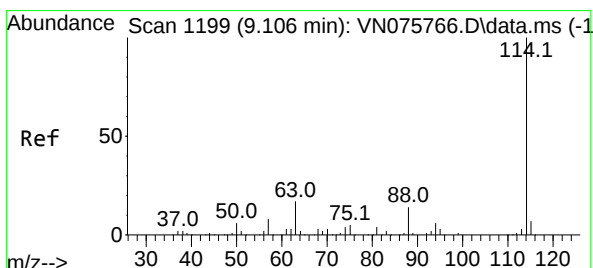
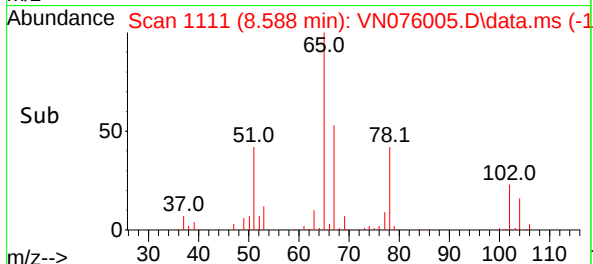
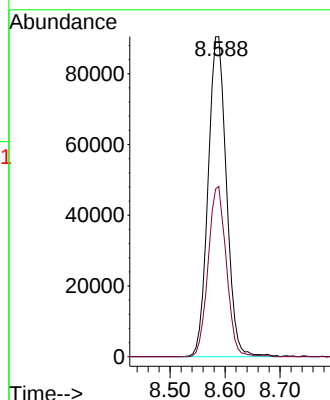
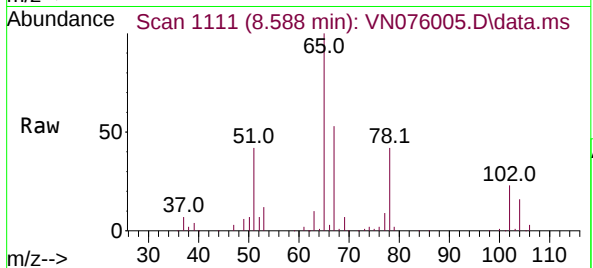
SB-7

Tgt Ion: 65 Resp: 209564

Ion Ratio Lower Upper

65 100

67 52.8 0.0 103.4



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.106 min Scan# 1199

Delta R.T. 0.000 min

Lab File: VN076005.D

Acq: 28 Dec 2022 17:20

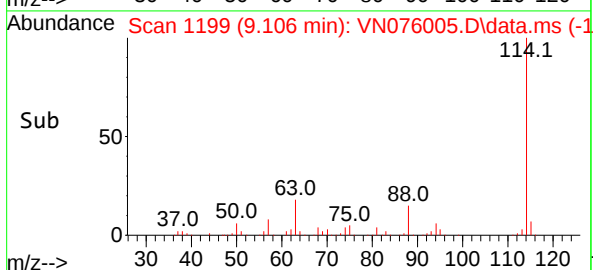
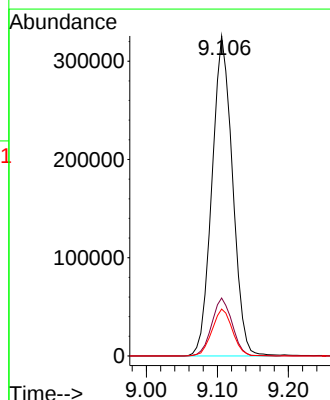
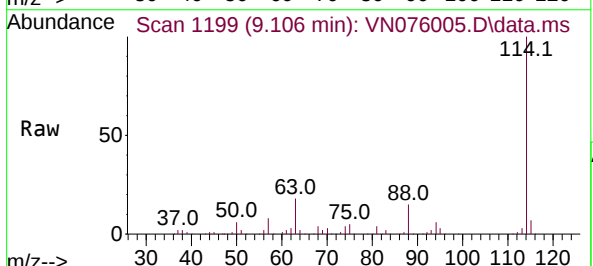
Tgt Ion: 114 Resp: 654223

Ion Ratio Lower Upper

114 100

63 18.1 0.0 34.4

88 14.6 0.0 28.8





#35

Dibromofluoromethane

Concen: 46.600 ug/l

RT: 8.171 min Scan# 1040

Delta R.T. 0.000 min

Lab File: VN076005.D

Acq: 28 Dec 2022 17:20

Instrument :

MSVOA_N

ClientSampleId :

SB-7

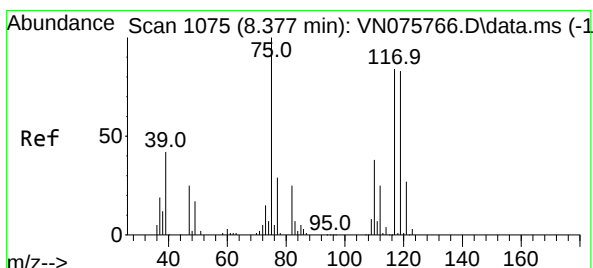
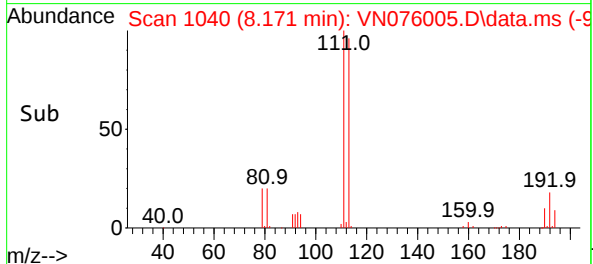
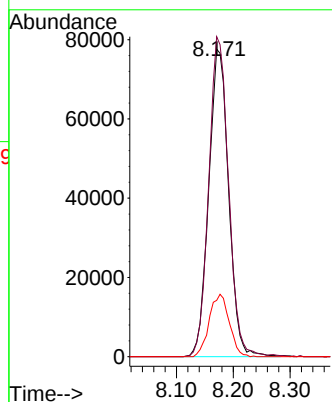
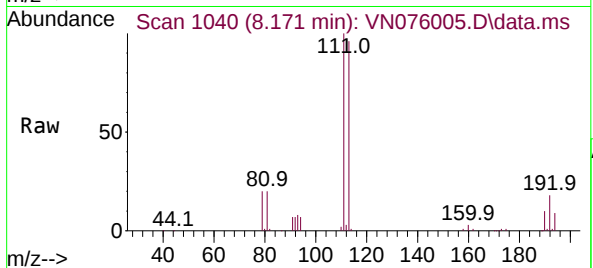
Tgt Ion:113 Resp: 188800

Ion Ratio Lower Upper

113 100

111 103.2 83.4 125.2

192 20.5 16.1 24.1



#36

1,1-Dichloropropene

Concen: 5.558 ug/l

RT: 8.230 min Scan# 1050

Delta R.T. -0.147 min

Lab File: VN076005.D

Acq: 28 Dec 2022 17:20

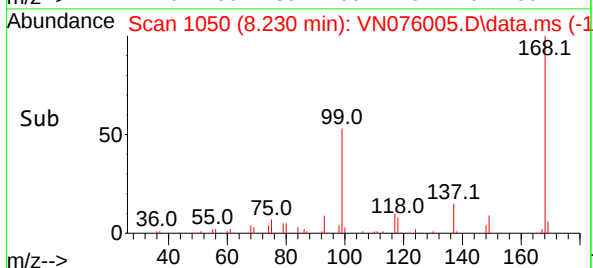
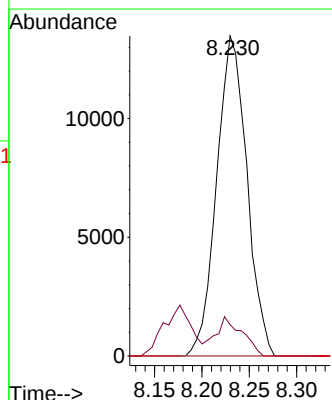
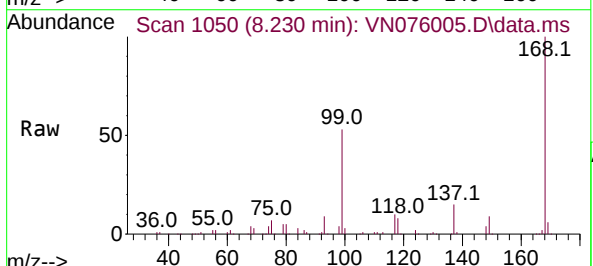
Tgt Ion: 75 Resp: 29915

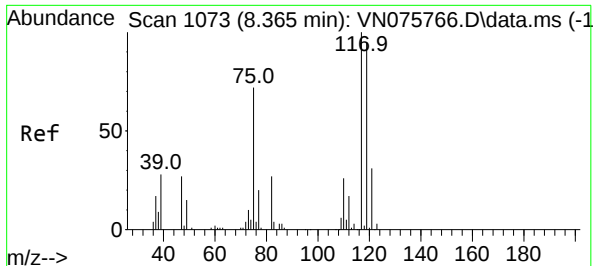
Ion Ratio Lower Upper

75 100

110 10.9 18.8 56.4#

77 0.0 24.1 36.1#

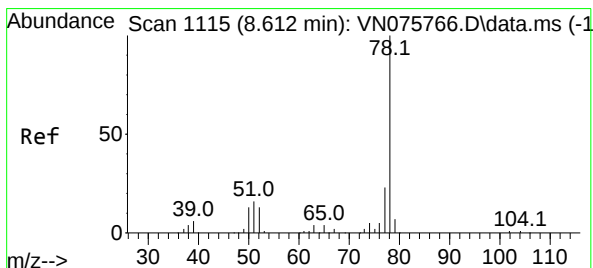
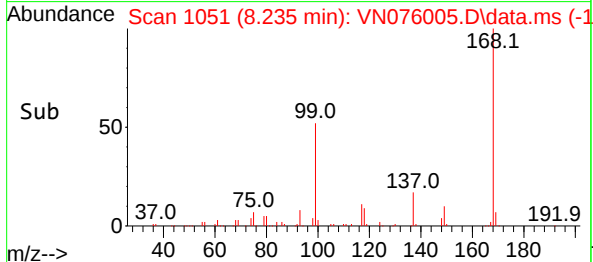
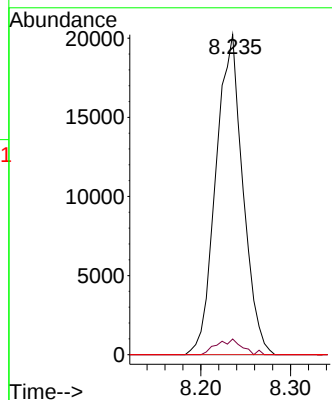
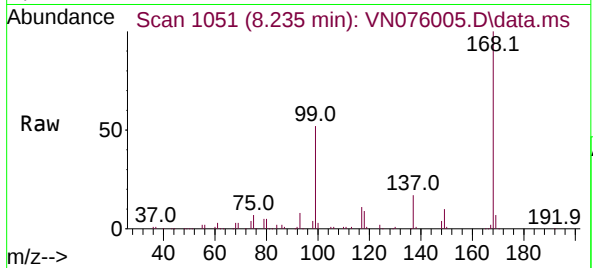




#38
Carbon Tetrachloride
Concen: 7.011 ug/l
RT: 8.235 min Scan# 1051
Delta R.T. -0.129 min
Lab File: VN076005.D
Acq: 28 Dec 2022 17:20

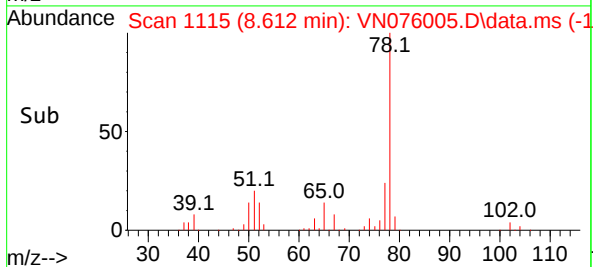
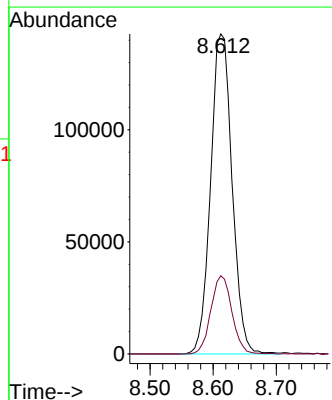
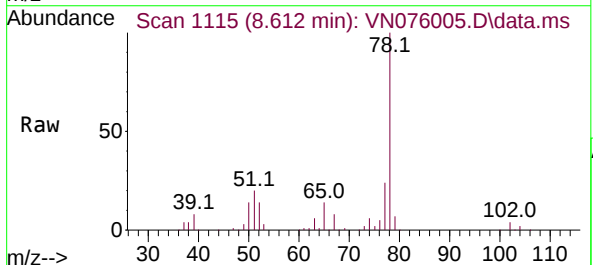
Instrument :
MSVOA_N
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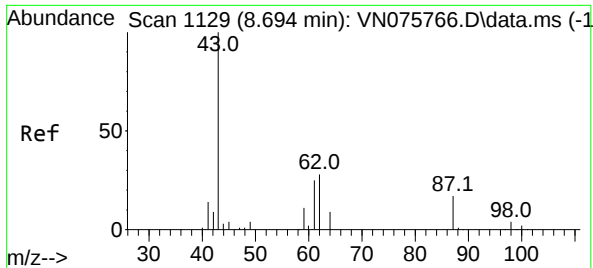
Tgt Ion:117 Resp: 42235
Ion Ratio Lower Upper
117 100
119 4.9 76.1 114.1#
121 0.0 24.5 36.7#



#40
Benzene
Concen: 20.350 ug/l
RT: 8.612 min Scan# 1115
Delta R.T. 0.000 min
Lab File: VN076005.D
Acq: 28 Dec 2022 17:20

Tgt Ion: 78 Resp: 337918
Ion Ratio Lower Upper
78 100
77 24.5 18.5 27.7

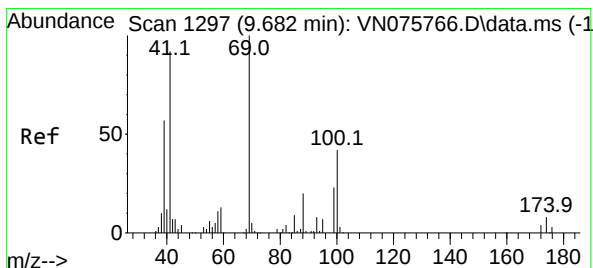
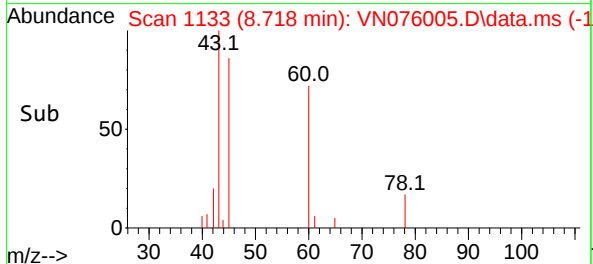
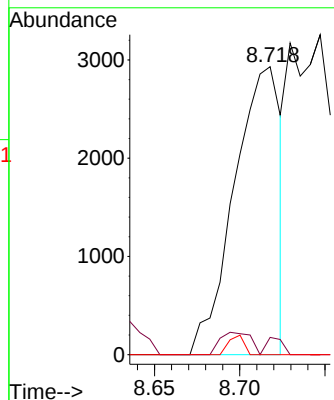
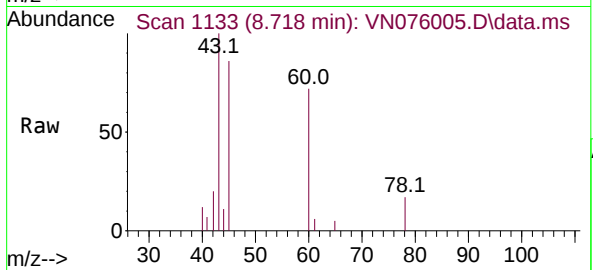




#43
Isopropyl Acetate
Concen: 0.779 ug/l
RT: 8.718 min Scan# 1129
Delta R.T. 0.024 min
Lab File: VN076005.D
Acq: 28 Dec 2022 17:20

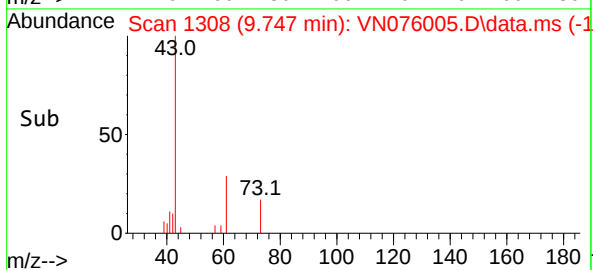
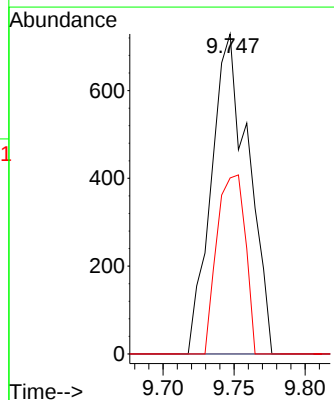
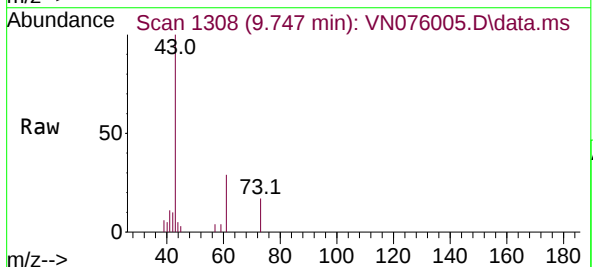
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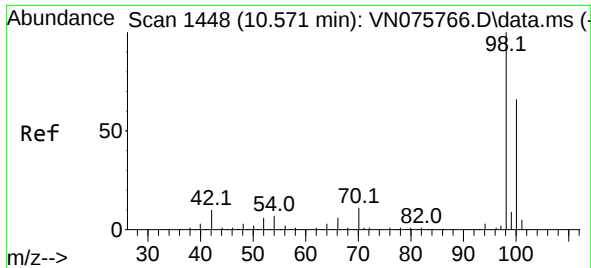
Tgt Ion: 43 Resp: 5552
Ion Ratio Lower Upper
43 100
61 0.0 24.2 36.4#
87 0.0 13.3 19.9#



#48
Methyl methacrylate
Concen: 0.411 ug/l
RT: 9.747 min Scan# 1308
Delta R.T. 0.065 min
Lab File: VN076005.D
Acq: 28 Dec 2022 17:20

Tgt Ion: 41 Resp: 1321
Ion Ratio Lower Upper
41 100
69 0.0 81.9 122.9#
39 42.8 51.6 77.4#

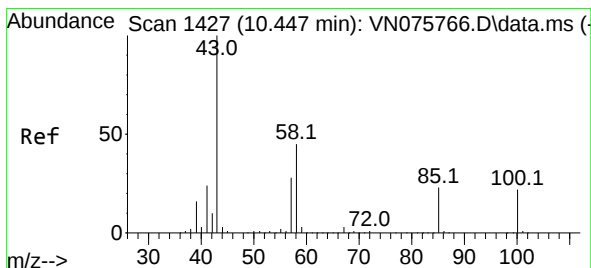
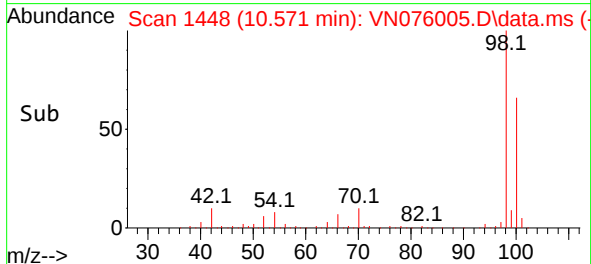
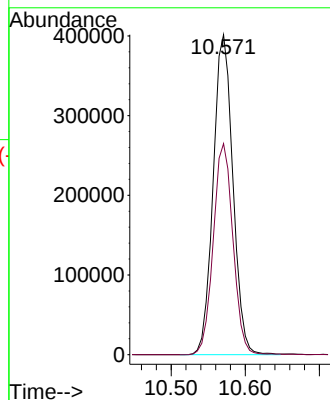
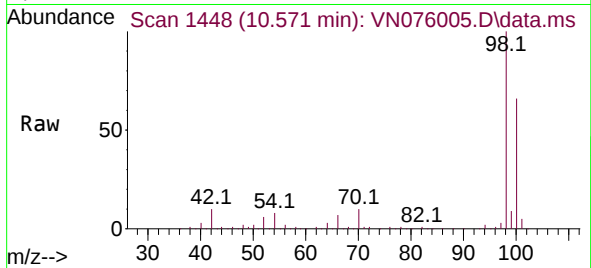




#50
Toluene-d8
Concen: 48.934 ug/l
RT: 10.571 min Scan# 1448
Delta R.T. 0.000 min
Lab File: VN076005.D
Acq: 28 Dec 2022 17:20

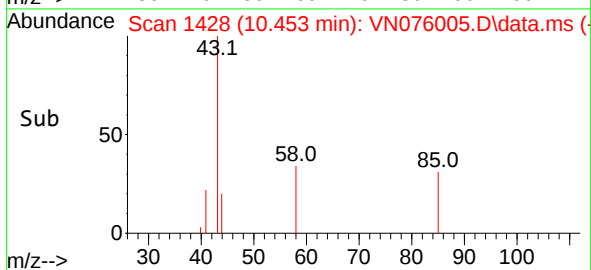
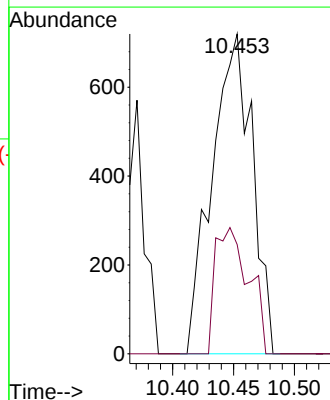
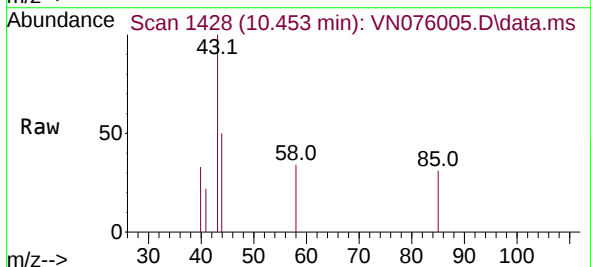
Instrument :
MSVOA_N
ClientSampleId :
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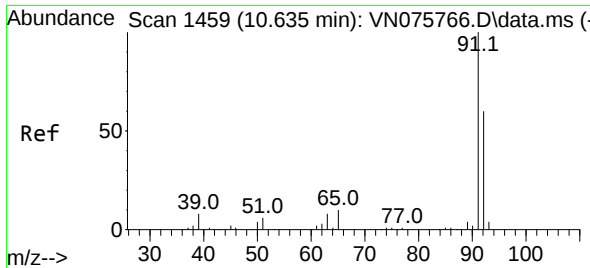
Tgt Ion: 98 Resp: 741266
Ion Ratio Lower Upper
98 100
100 65.9 52.1 78.1



#51
4-Methyl-2-Pentanone
Concen: 0.384 ug/l
RT: 10.453 min Scan# 1428
Delta R.T. 0.006 min
Lab File: VN076005.D
Acq: 28 Dec 2022 17:20

Tgt Ion: 43 Resp: 1658
Ion Ratio Lower Upper
43 100
58 32.8 35.5 53.3#

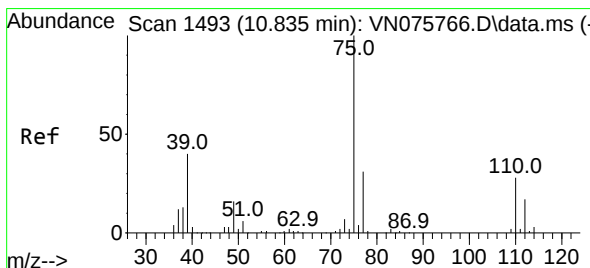
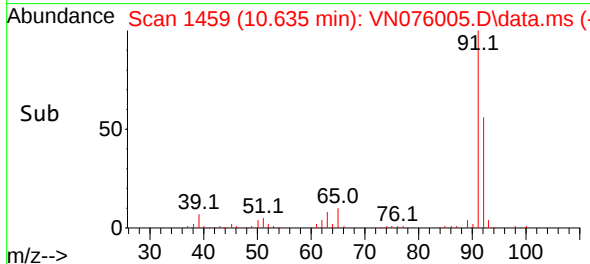
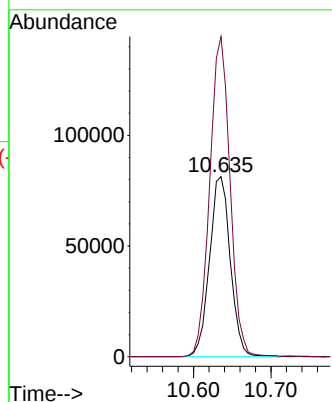
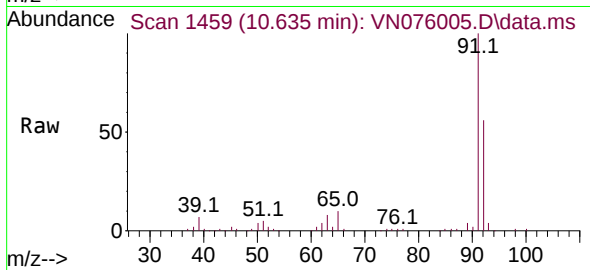




#52
Toluene
Concen: 14.045 ug/l
RT: 10.635 min Scan# 1459
Delta R.T. 0.000 min
Lab File: VN076005.D
Acq: 28 Dec 2022 17:20

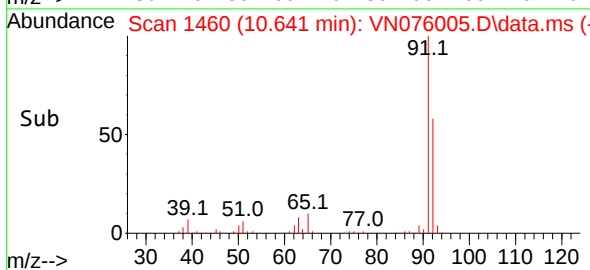
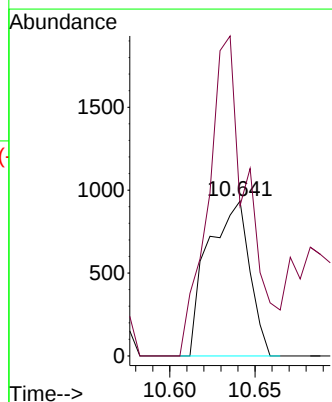
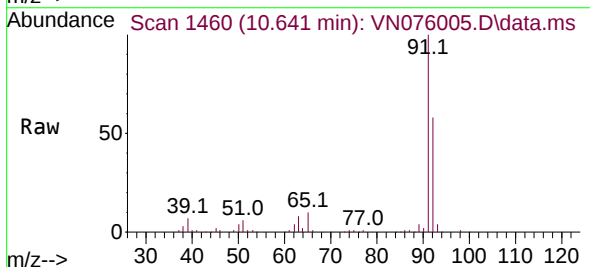
Instrument :
MSVOA_N
ClientSampleId :
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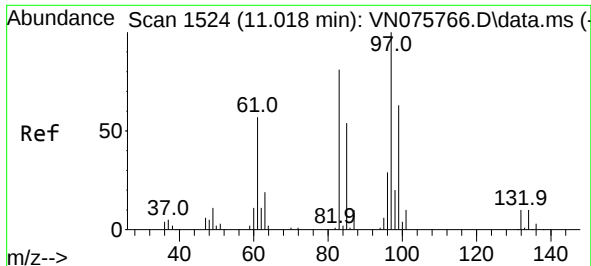
Tgt Ion: 92 Resp: 151892
Ion Ratio Lower Upper
92 100
91 173.8 137.3 205.9



#53
t-1,3-Dichloropropene
Concen: 0.275 ug/l
RT: 10.641 min Scan# 1460
Delta R.T. -0.194 min
Lab File: VN076005.D
Acq: 28 Dec 2022 17:20

Tgt Ion: 75 Resp: 1583
Ion Ratio Lower Upper
75 100
77 97.0 24.9 37.3#

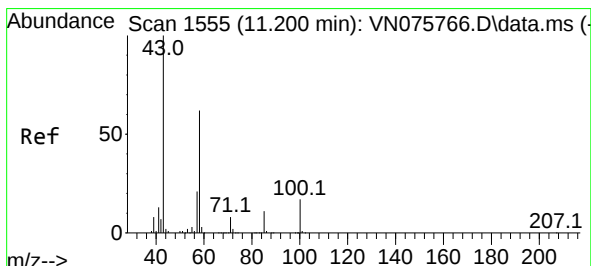
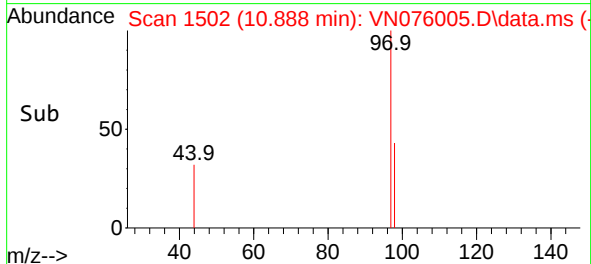
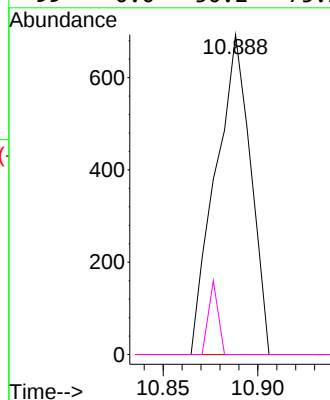
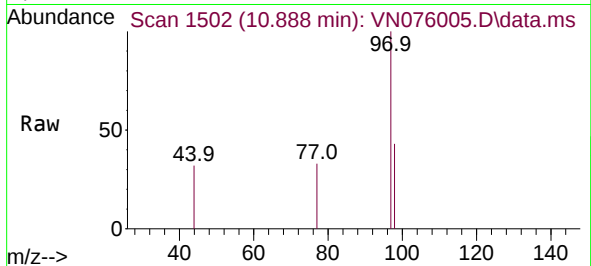




#55
1,1,2-Trichloroethane
Concen: 0.209 ug/l
RT: 10.888 min Scan# 1502
Delta R.T. -0.129 min
Lab File: VN076005.D
Acq: 28 Dec 2022 17:20

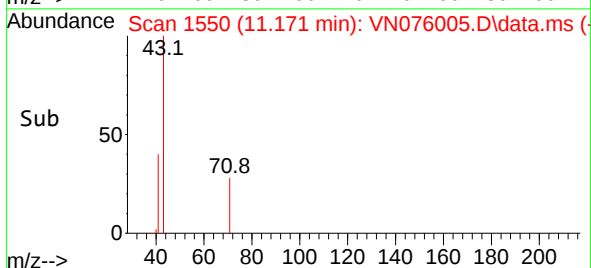
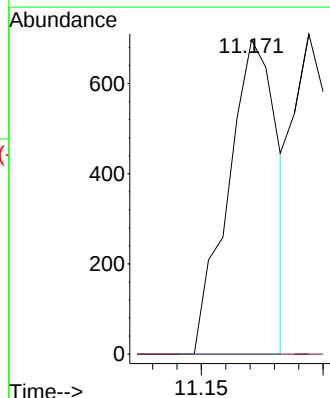
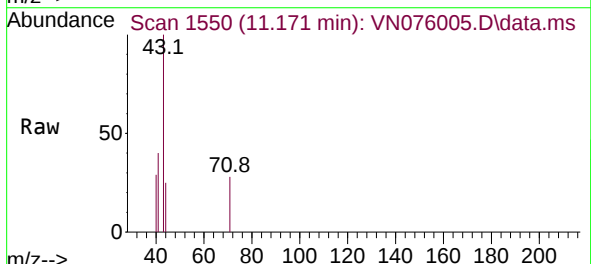
Instrument :
MSVOA_N
ClientSampleId :
SB-7

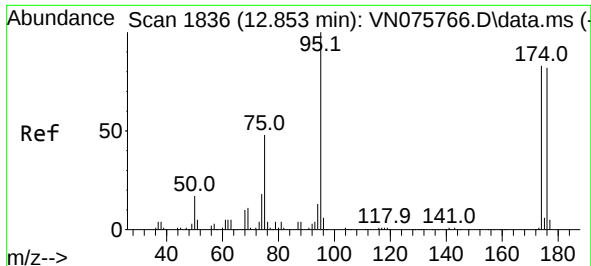
Tgt Ion: 97	Resp: 889
Ion Ratio	Lower Upper
97 100	
83 0.0	65.0 97.4#
85 0.0	43.0 64.6#
99 0.0	50.2 75.2#



#59
2-Hexanone
Concen: 0.311 ug/l
RT: 11.171 min Scan# 1550
Delta R.T. -0.029 min
Lab File: VN076005.D
Acq: 28 Dec 2022 17:20

Tgt Ion: 43	Resp:	978	
Ion	Ratio	Lower	Upper
43	100		
58	0.0	30.6	92.0#

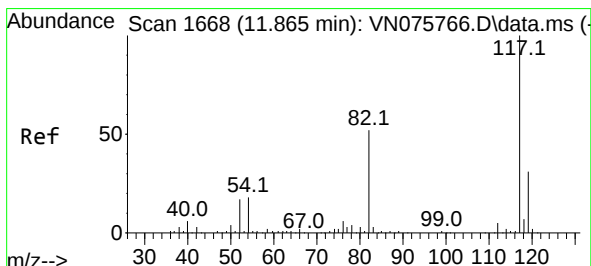
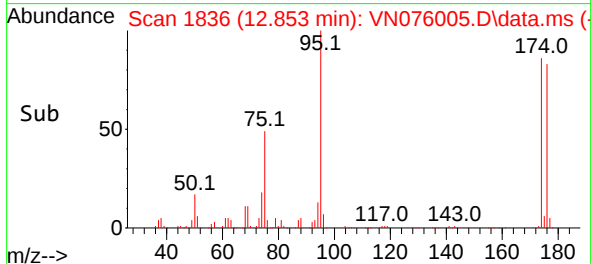
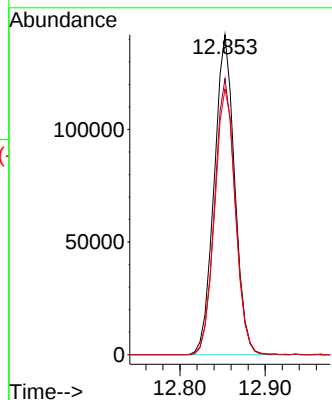
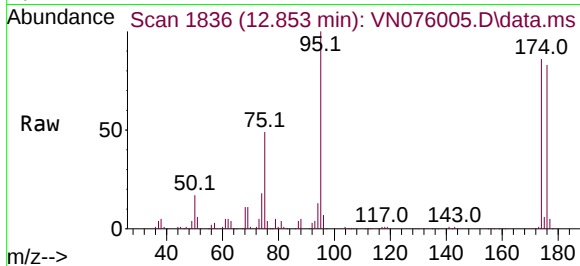




#62
4-Bromofluorobenzene
Concen: 47.183 ug/l
RT: 12.853 min Scan# 1836
Delta R.T. 0.000 min
Lab File: VN076005.D
Acq: 28 Dec 2022 17:20

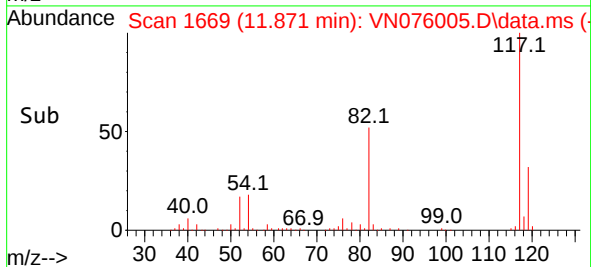
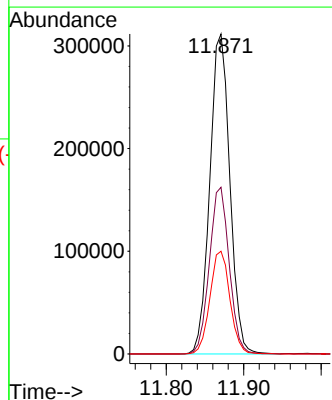
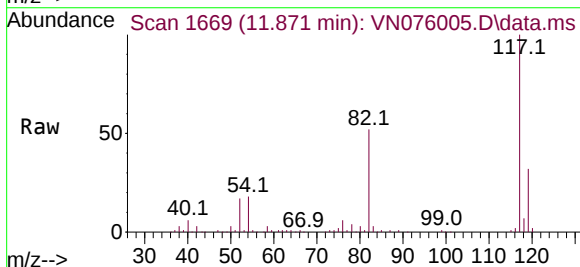
Instrument :
MSVOA_N
ClientSampleId :
SB-7

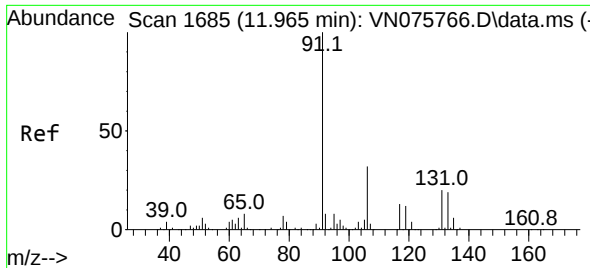
Tgt Ion: 95 Resp: 236728
Ion Ratio Lower Upper
95 100
174 86.8 0.0 171.6
176 84.3 0.0 169.2



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.871 min Scan# 1669
Delta R.T. 0.006 min
Lab File: VN076005.D
Acq: 28 Dec 2022 17:20

Tgt Ion: 117 Resp: 559412
Ion Ratio Lower Upper
117 100
82 52.1 41.3 61.9
119 32.1 24.6 37.0

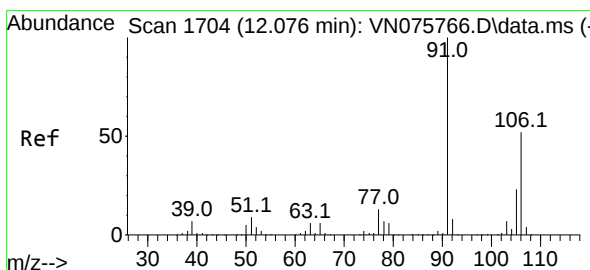
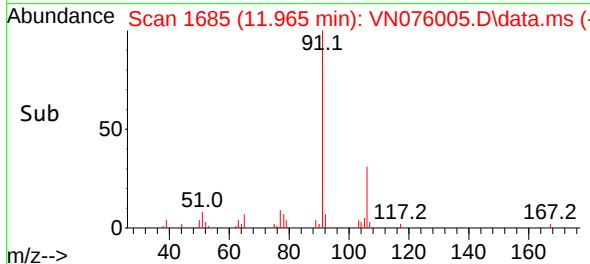
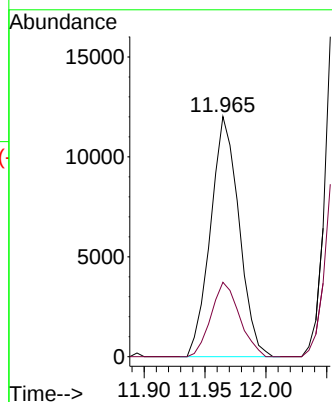
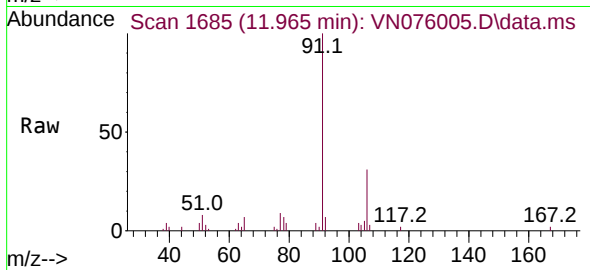




#67
Ethyl Benzene
Concen: 1.009 ug/l
RT: 11.965 min Scan# 11
Delta R.T. 0.000 min
Lab File: VN076005.D
Acq: 28 Dec 2022 17:20

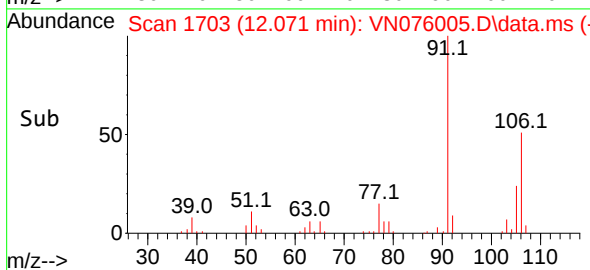
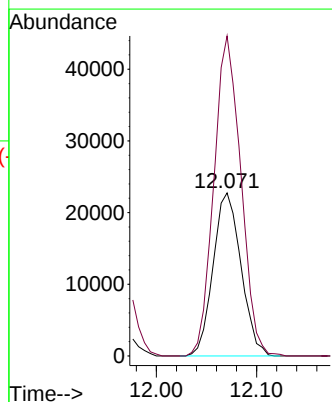
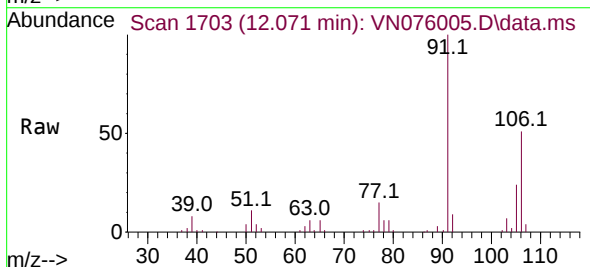
Instrument :
MSVOA_N
ClientSampleId :
SB-7

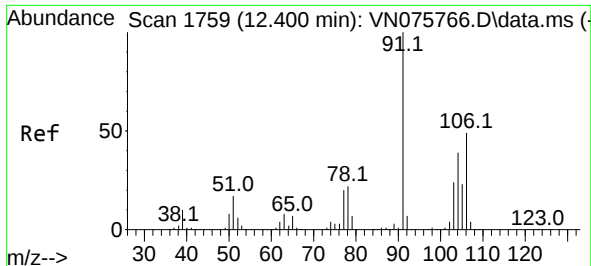
Tgt Ion: 91 Resp: 19552
Ion Ratio Lower Upper
91 100
106 31.0 25.7 38.5



#68
m/p-Xylenes
Concen: 5.731 ug/l
RT: 12.071 min Scan# 1703
Delta R.T. -0.006 min
Lab File: VN076005.D
Acq: 28 Dec 2022 17:20

Tgt Ion: 106 Resp: 43959
Ion Ratio Lower Upper
106 100
91 189.8 156.6 235.0

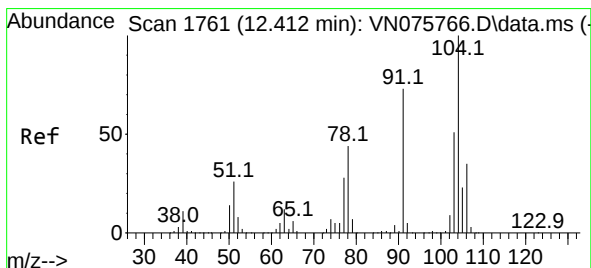
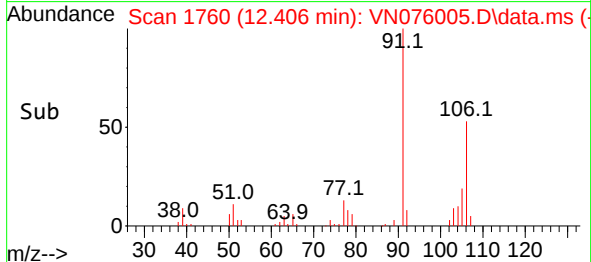
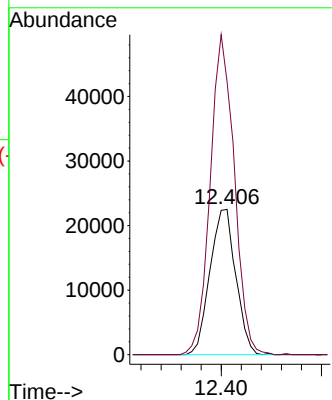
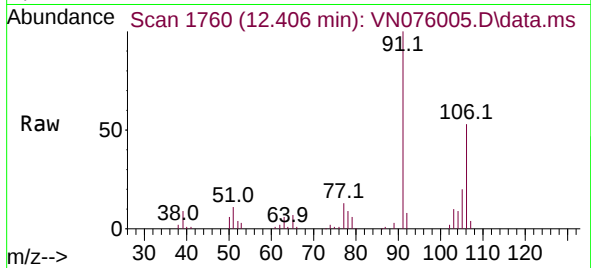




#69
o-Xylene
Concen: 5.303 ug/l
RT: 12.406 min Scan# 1760
Delta R.T. 0.006 min
Lab File: VN076005.D
Acq: 28 Dec 2022 17:20

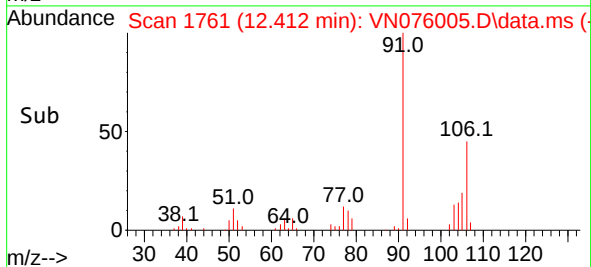
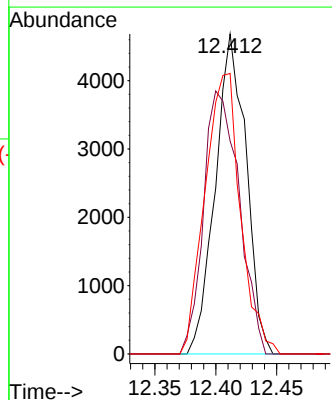
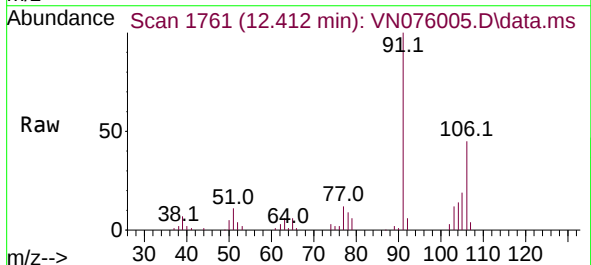
Instrument :
MSVOA_N
ClientSampleId :
SB-7

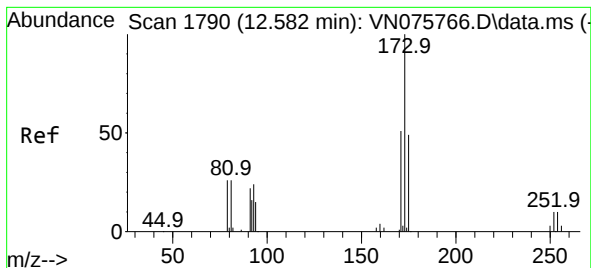
Tgt Ion:106 Resp: 40249
Ion Ratio Lower Upper
106 100
91 205.2 103.8 311.6



#70
Styrene
Concen: 0.681 ug/l
RT: 12.412 min Scan# 1761
Delta R.T. 0.000 min
Lab File: VN076005.D
Acq: 28 Dec 2022 17:20

Tgt Ion:104 Resp: 8220
Ion Ratio Lower Upper
104 100
78 95.2 37.5 56.3#
103 101.2 43.5 65.3#





#71

Bromoform

Concen: 0.623 ug/l

RT: 12.853 min Scan# 1836

Delta R.T. 0.271 min

Lab File: VN076005.D

Acq: 28 Dec 2022 17:20

Instrument :

MSVOA_N

ClientSampleId :

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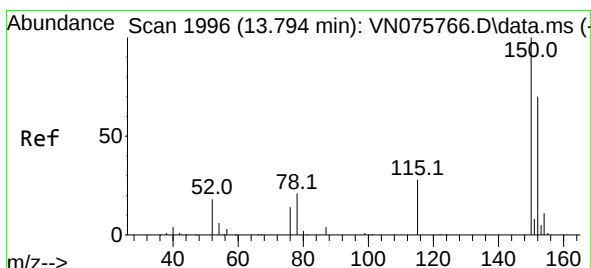
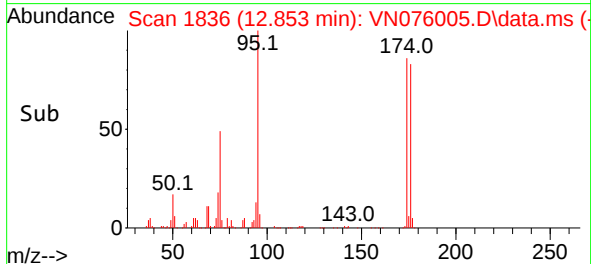
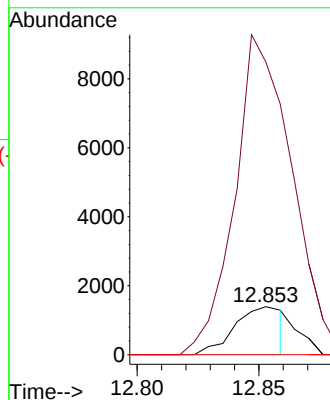
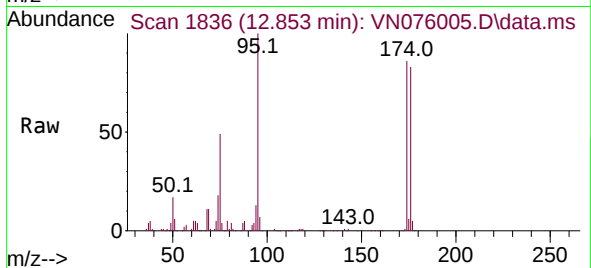
Tgt Ion:173 Resp: 1927

Ion Ratio Lower Upper

173 100

175 618.6 24.3 72.8#

254 0.0 0.0 0.0



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.794 min Scan# 1996

Delta R.T. 0.000 min

Lab File: VN076005.D

Acq: 28 Dec 2022 17:20

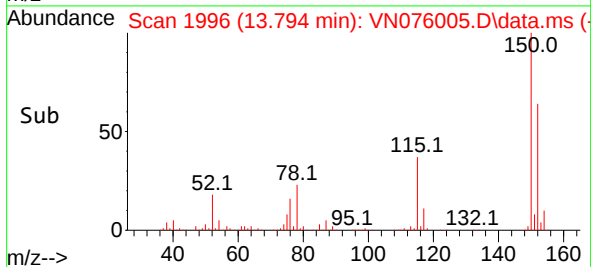
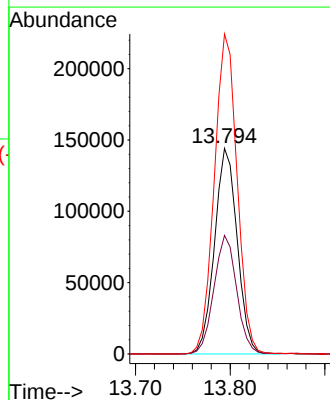
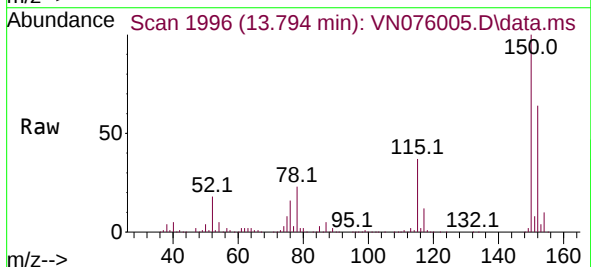
Tgt Ion:152 Resp: 239528

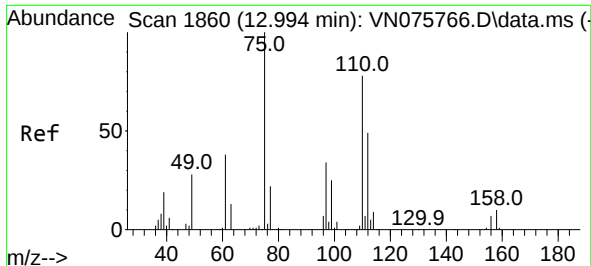
Ion Ratio Lower Upper

152 100

115 58.1 29.1 87.4

150 156.8 0.0 347.0

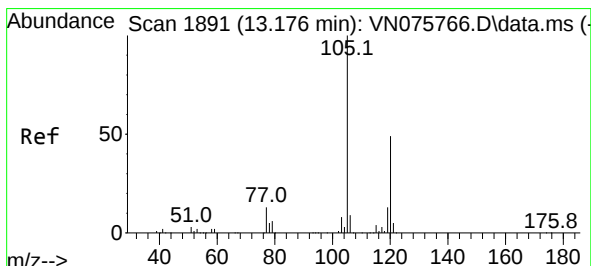
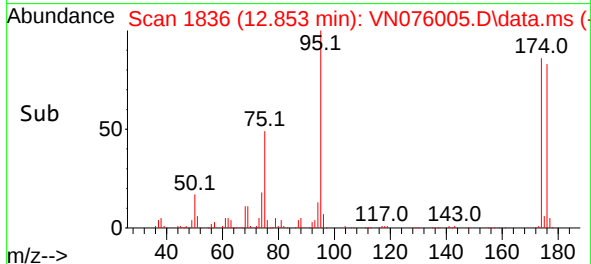
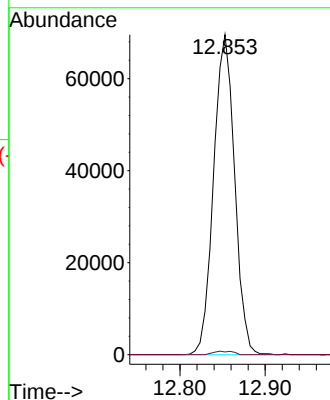
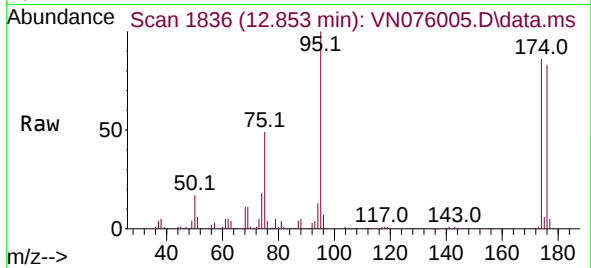




#76
1,2,3-Trichloropropane
Concen: 24.678 ug/l
RT: 12.853 min Scan# 1836
Delta R.T. -0.141 min
Lab File: VN076005.D
Acq: 28 Dec 2022 17:20

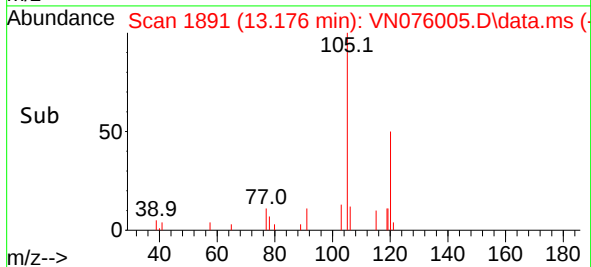
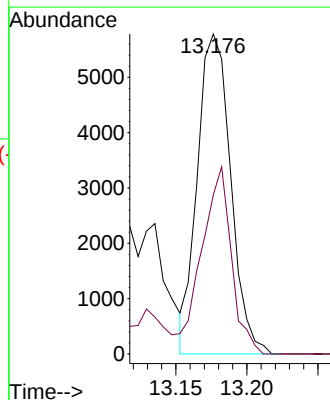
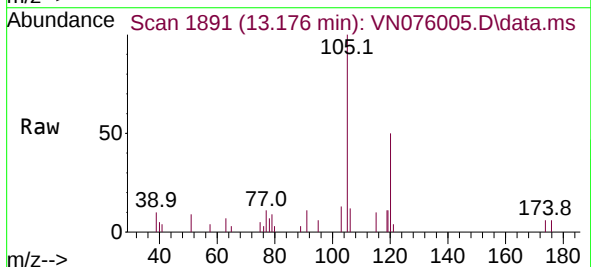
Instrument :
MSVOA_N
ClientSampleId :
SB-7

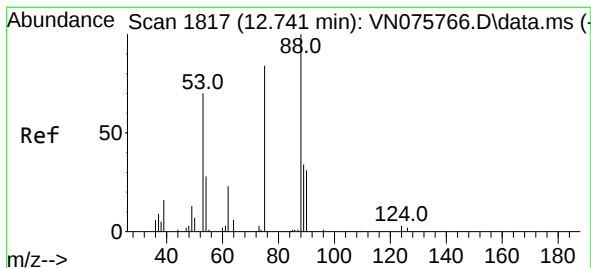
Tgt Ion: 75 Resp: 119152
Ion Ratio Lower Upper
75 100
77 1.0 82.6 247.8#



#80
1,3,5-Trimethylbenzene
Concen: 0.650 ug/l
RT: 13.176 min Scan# 1891
Delta R.T. 0.000 min
Lab File: VN076005.D
Acq: 28 Dec 2022 17:20

Tgt Ion:105 Resp: 9417
Ion Ratio Lower Upper
105 100
120 52.8 24.7 74.1

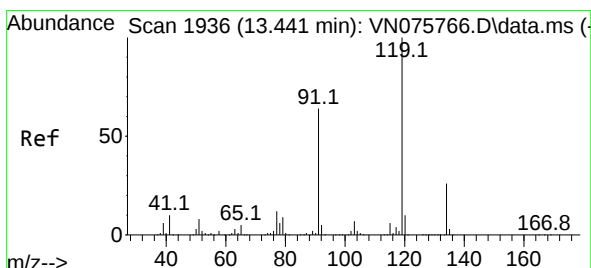
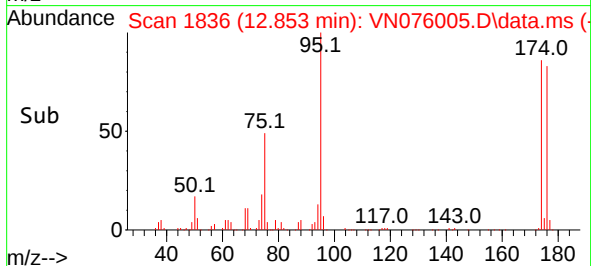
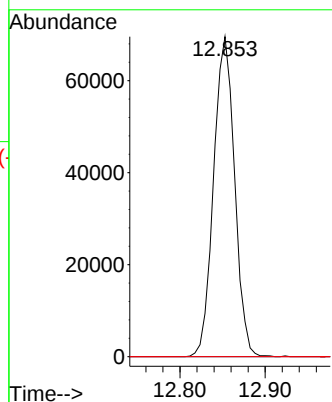
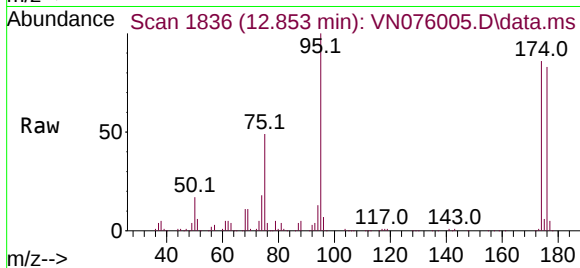




#81
trans-1,4-Dichloro-2-butene
Concen: 88.828 ug/l
RT: 12.853 min Scan# 11
Delta R.T. 0.112 min
Lab File: VN076005.D
Acq: 28 Dec 2022 17:20

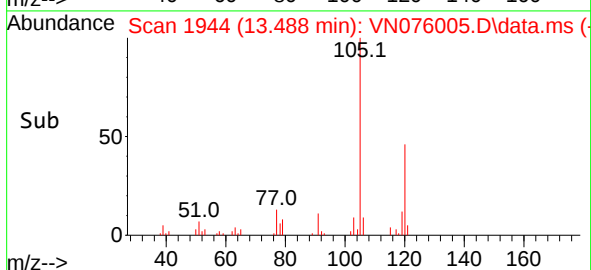
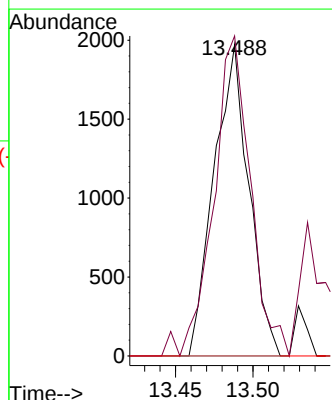
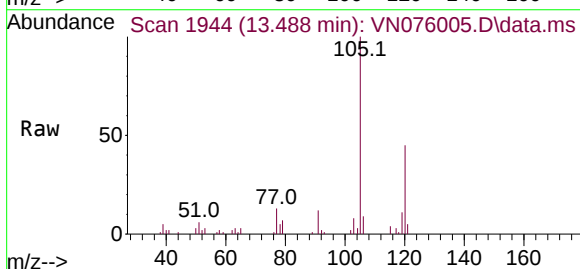
Instrument :
MSVOA_N
ClientSampleId :
SB-7

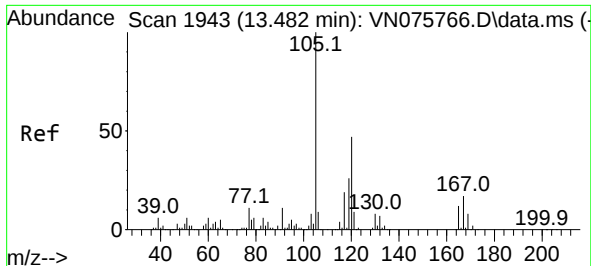
Tgt Ion: 75 Resp: 119152
Ion Ratio Lower Upper
75 100
53 0.0 73.8 110.6#
89 0.0 39.5 59.3#



#83
tert-Butylbenzene
Concen: 0.241 ug/l
RT: 13.488 min Scan# 1944
Delta R.T. 0.047 min
Lab File: VN076005.D
Acq: 28 Dec 2022 17:20

Tgt Ion: 119 Resp: 3077
Ion Ratio Lower Upper
119 100
91 108.8 31.9 95.5#
134 0.0 13.8 41.4#

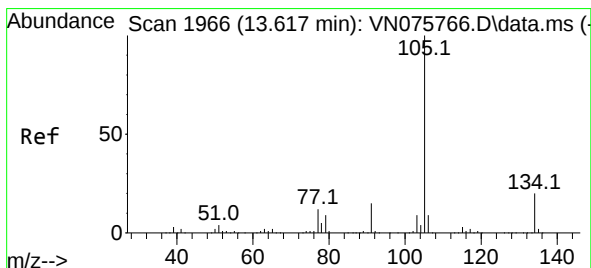
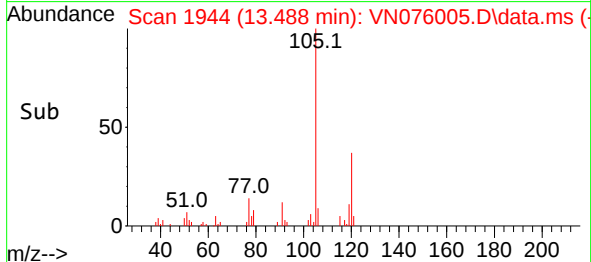
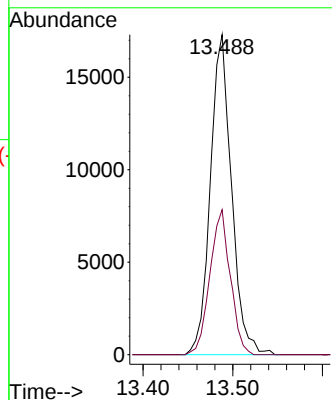
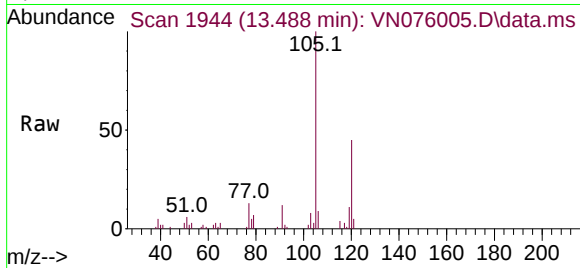




#84
1,2,4-Trimethylbenzene
Concen: 1.974 ug/l
RT: 13.488 min Scan# 1944
Delta R.T. 0.006 min
Lab File: VN076005.D
Acq: 28 Dec 2022 17:20

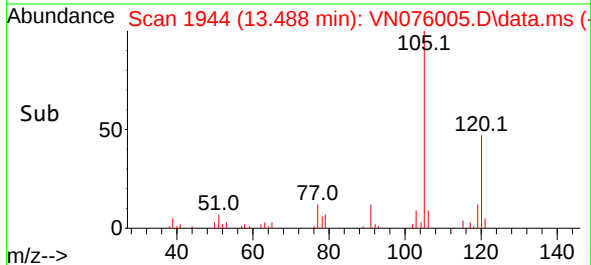
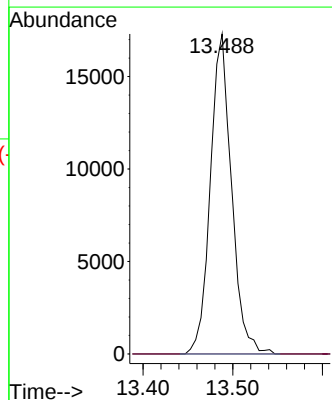
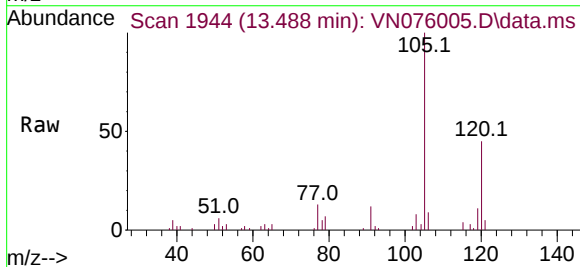
Instrument :
MSVOA_N
ClientSampleId :
SB-7

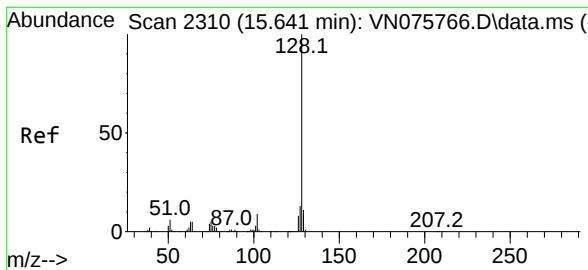
Tgt Ion:105 Resp: 28372
Ion Ratio Lower Upper
105 100
120 43.6 23.3 69.8



#85
sec-Butylbenzene
Concen: 1.609 ug/l
RT: 13.488 min Scan# 1944
Delta R.T. -0.129 min
Lab File: VN076005.D
Acq: 28 Dec 2022 17:20

Tgt Ion:105 Resp: 28372
Ion Ratio Lower Upper
105 100
134 0.0 10.1 30.1#





#95
Naphthalene
Concen: 13.089 ug/l
RT: 15.647 min Scan# 21
Delta R.T. 0.006 min
Lab File: VN076005.D
Acq: 28 Dec 2022 17:20

Instrument :
MSVOA_N
ClientSampleId :
SB-7

Tgt Ion:128 Resp: 148724
Ion Ratio Lower Upper
128 100
127 13.2 10.4 15.6
129 10.6 8.7 13.1

