

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN011123\
 Data File : VN076207.D
 Acq On : 11 Jan 2023 14:04
 Operator : JC\MD
 Sample : 01081-01 10X
 Misc : 5.09g/10mL/100uL/5.00mL/MSVOA_N/MEOH
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 31963

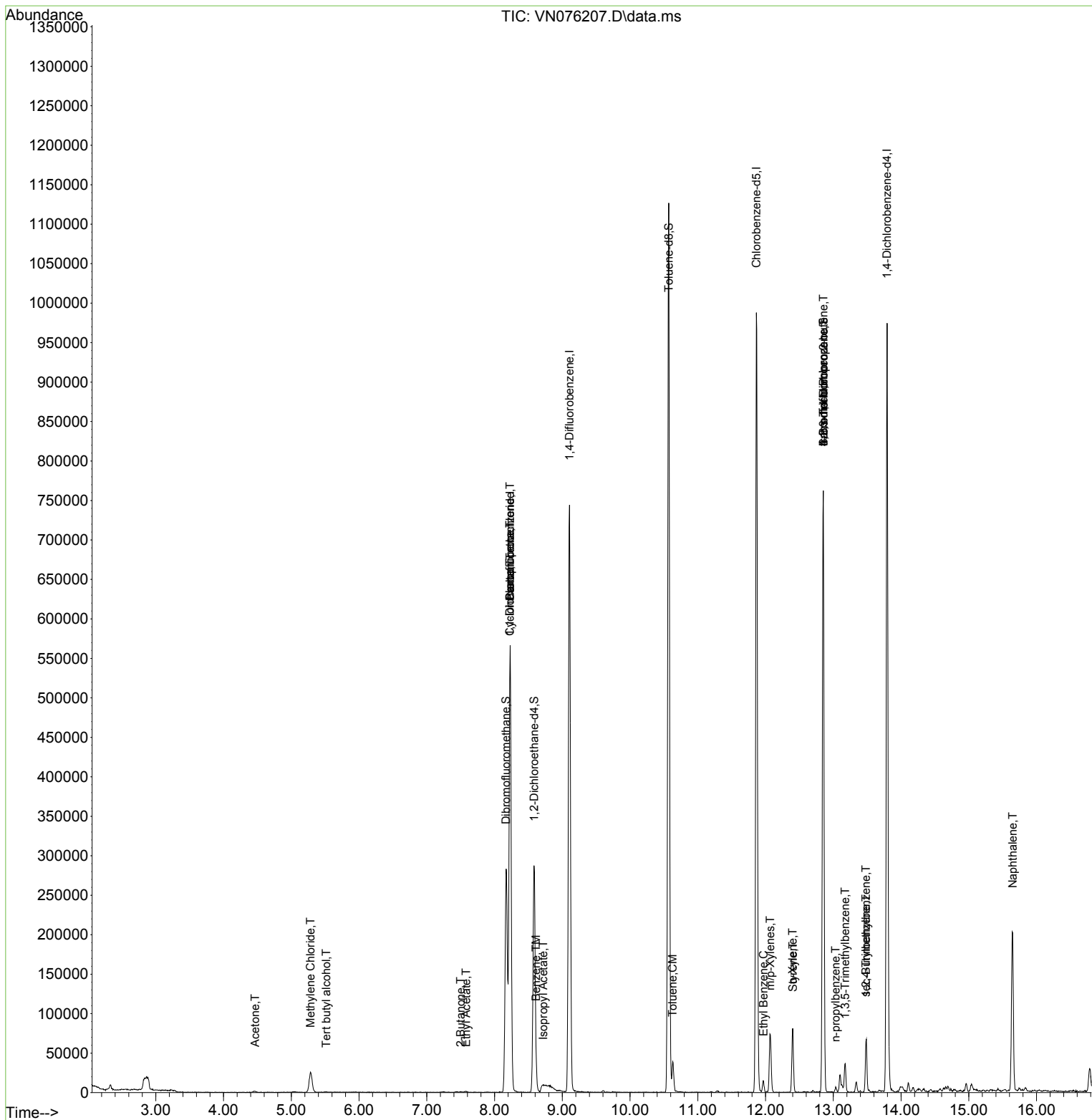
Quant Time: Jan 12 00:35:13 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N121422W.M
 Quant Title : SW846 8260
 QLast Update : Wed Dec 14 13:03:41 2022
 Response via : Initial Calibration

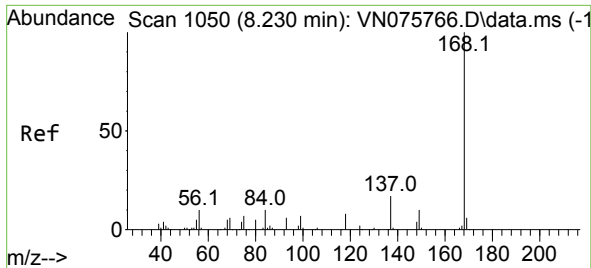
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Pentafluorobenzene	8.229	168	439960	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	701327	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	606936	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	271853	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.582	65	228310	47.700	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	95.400%		
35) Dibromofluoromethane	8.171	113	204088	46.990	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	93.980%		
50) Toluene-d8	10.570	98	788443	48.553	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	97.100%		
62) 4-Bromofluorobenzene	12.853	95	257806	47.933	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	95.860%		
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	5.518	59	269	0.397	ug/l #	72
16) Acetone	4.465	43	2833	1.717	ug/l	99
20) Methylene Chloride	5.283	84	21695	4.330	ug/l #	91
25) 2-Butanone	7.500	43	1235	0.535	ug/l	94
31) Cyclohexane	8.224	56	8613	1.256	ug/l #	15
36) 1,1-Dichloropropene	8.224	75	31094	5.389	ug/l #	48
37) Ethyl Acetate	7.582	43	2450	0.529	ug/l #	65
38) Carbon Tetrachloride	8.229	117	42874	6.640	ug/l #	15
40) Benzene	8.612	78	11369	0.639	ug/l	100
43) Isopropyl Acetate	8.718	43	10938	1.431	ug/l #	50
52) Toluene	10.629	92	16165	1.394	ug/l	96
67) Ethyl Benzene	11.970	91	10250	0.488	ug/l #	85
68) m/p-Xylenes	12.070	106	25841	3.105	ug/l	99
69) o-Xylene	12.400	106	24076	2.924	ug/l	96
70) Styrene	12.406	104	2705	0.207	ug/l #	1
71) Bromoform	12.853	173	2157	0.642	ug/l #	1
76) 1,2,3-Trichloropropane	12.853	75	132157	24.117	ug/l #	1
78) n-propylbenzene	13.035	91	5040	0.233	ug/l	92
80) 1,3,5-Trimethylbenzene	13.176	105	18943	1.152	ug/l	97
81) trans-1,4-Dichloro-2-b...	12.853	75	132157	86.808	ug/l #	12
84) 1,2,4-Trimethylbenzene	13.482	105	39844	2.443	ug/l	99
85) sec-Butylbenzene	13.482	105	39844	1.991	ug/l #	56
95) Naphthalene	15.647	128	200977	15.170	ug/l	99

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

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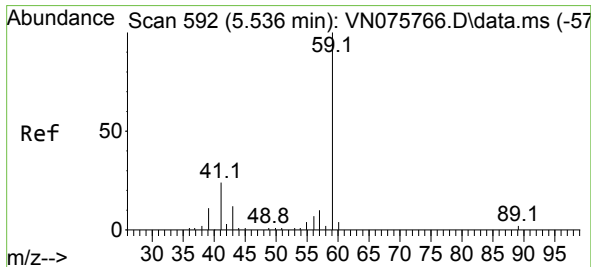
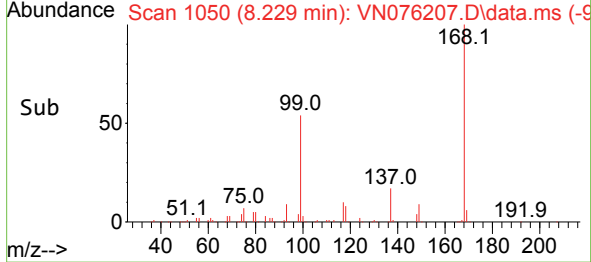
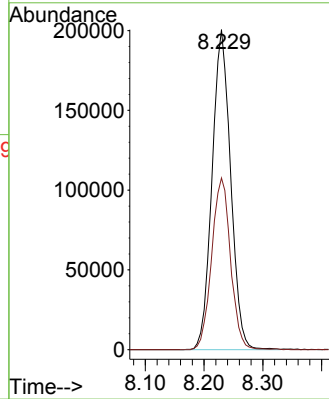
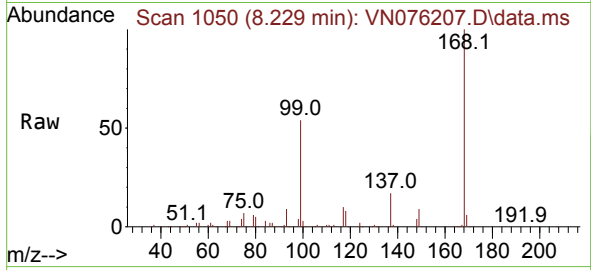




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.229 min Scan# 1050
Delta R.T. -0.001 min
Lab File: VN076207.D
Acq: 11 Jan 2023 14:04

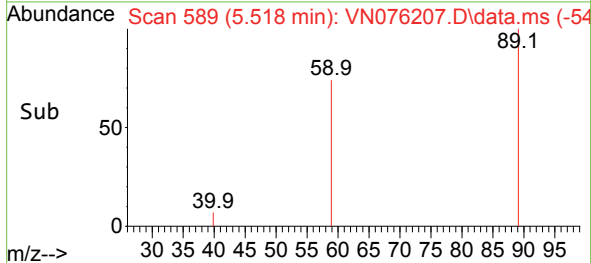
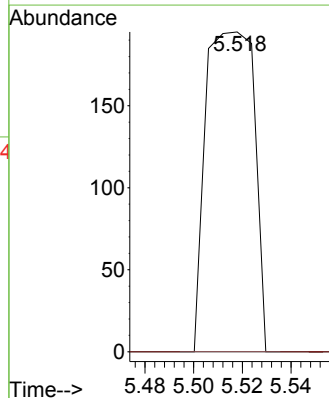
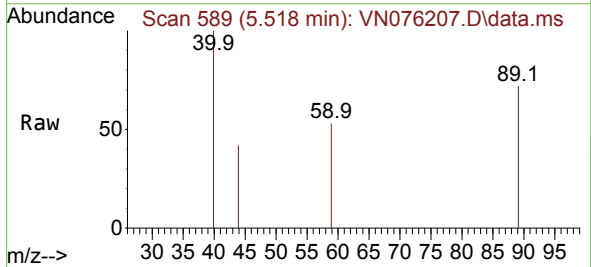
Instrument :
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ClientSampleId :
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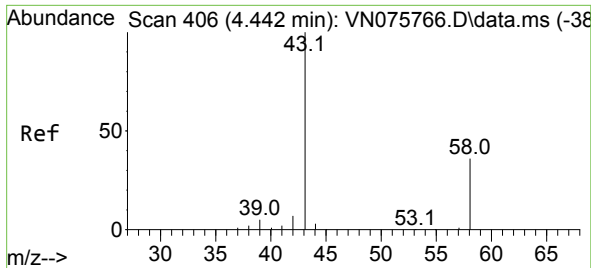
Tgt Ion:168 Resp: 439960
Ion Ratio Lower Upper
168 100
99 53.6 44.2 66.4



#11
Tert butyl alcohol
Concen: 0.397 ug/l
RT: 5.518 min Scan# 589
Delta R.T. -0.018 min
Lab File: VN076207.D
Acq: 11 Jan 2023 14:04

Tgt Ion: 59 Resp: 269
Ion Ratio Lower Upper
59 100
57 0.0 8.2 12.4#





#16

Acetone

Concen: 1.717 ug/l

RT: 4.465 min Scan# 410

Delta R.T. 0.023 min

Lab File: VN076207.D

Acq: 11 Jan 2023 14:04

Instrument :

MSVOA_N

ClientSampleId :

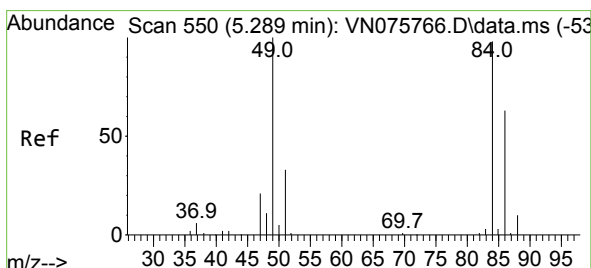
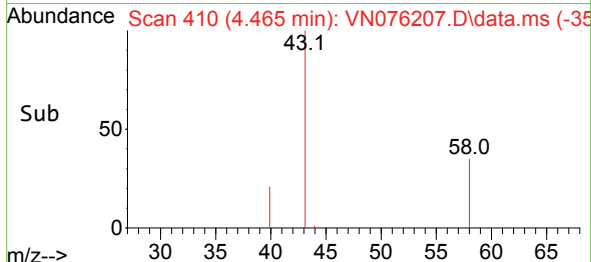
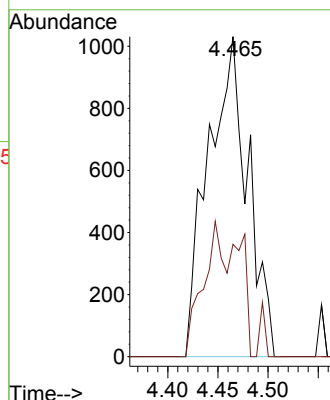
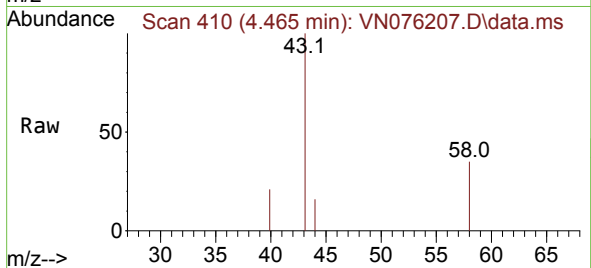
31963

Tgt Ion: 43 Resp: 2833

Ion Ratio Lower Upper

43 100

58 35.1 28.6 43.0



#20

Methylene Chloride

Concen: 4.330 ug/l

RT: 5.283 min Scan# 549

Delta R.T. -0.006 min

Lab File: VN076207.D

Acq: 11 Jan 2023 14:04

Tgt Ion: 84 Resp: 21695

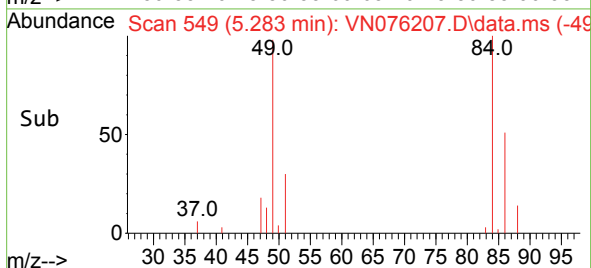
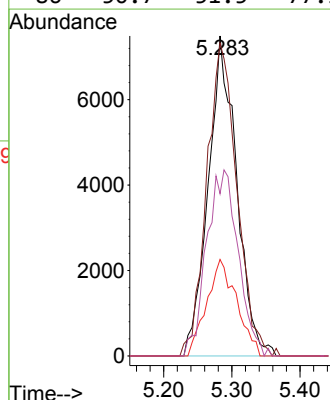
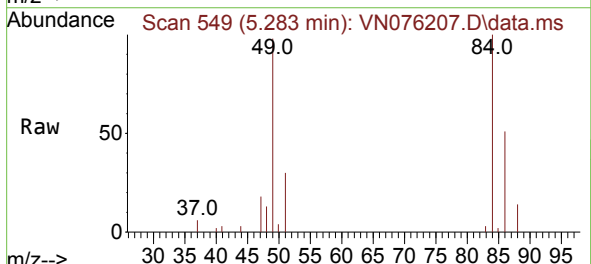
Ion Ratio Lower Upper

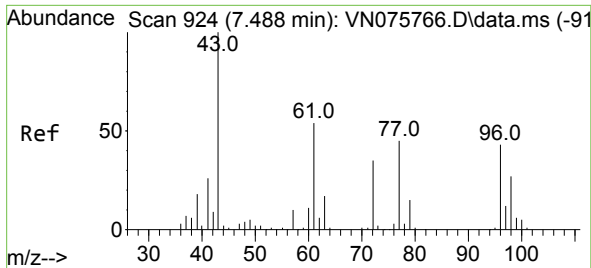
84 100

49 97.7 81.8 122.6

51 30.1 26.7 40.1

86 50.7 51.5 77.3#

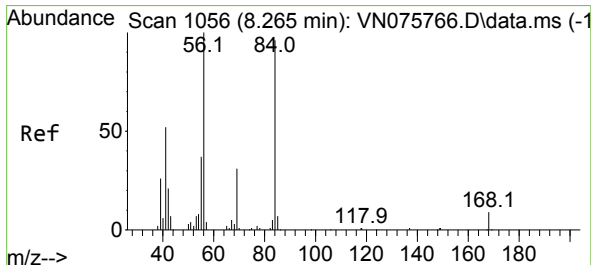
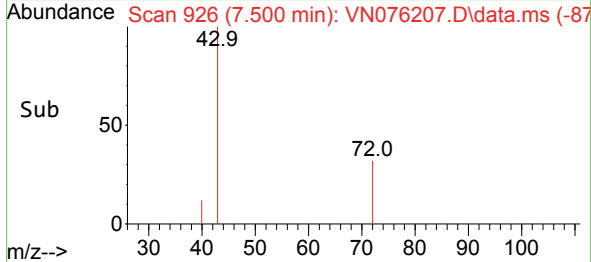
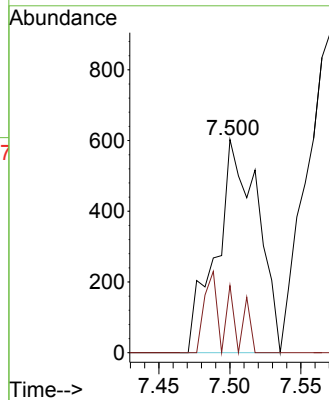
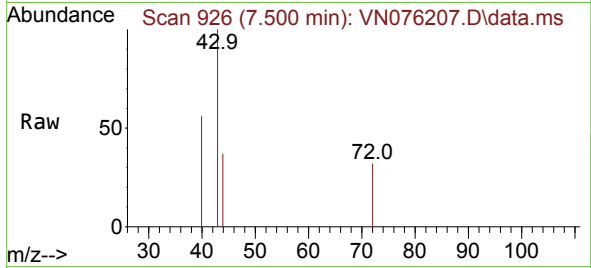




#25
2-Butanone
Concen: 0.535 ug/l
RT: 7.500 min Scan# 91
Delta R.T. 0.012 min
Lab File: VN076207.D
Acq: 11 Jan 2023 14:04

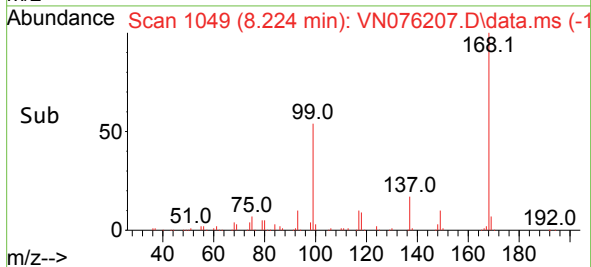
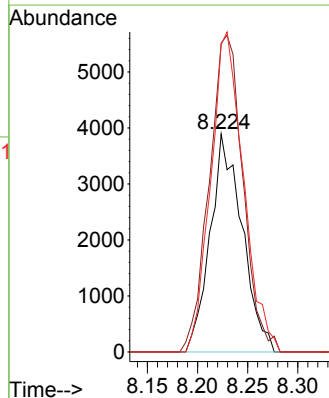
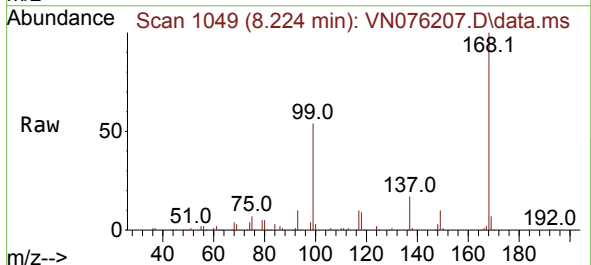
Instrument :
MSVOA_N
ClientSampleId :
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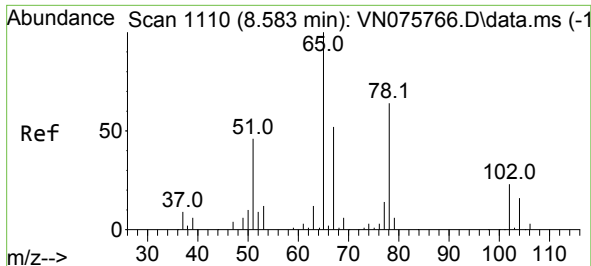
Tgt Ion: 43 Resp: 1235
Ion Ratio Lower Upper
43 100
72 31.5 28.0 42.0



#31
Cyclohexane
Concen: 1.256 ug/l
RT: 8.224 min Scan# 1049
Delta R.T. -0.041 min
Lab File: VN076207.D
Acq: 11 Jan 2023 14:04

Tgt Ion: 56 Resp: 8613
Ion Ratio Lower Upper
56 100
69 141.8 24.7 37.1#
84 141.0 76.5 114.7#





#33

1,2-Dichloroethane-d4

Concen: 47.700 ug/l

RT: 8.582 min Scan# 1110

Delta R.T. -0.000 min

Lab File: VN076207.D

Acq: 11 Jan 2023 14:04

Instrument :

MSVOA_N

ClientSampleId :

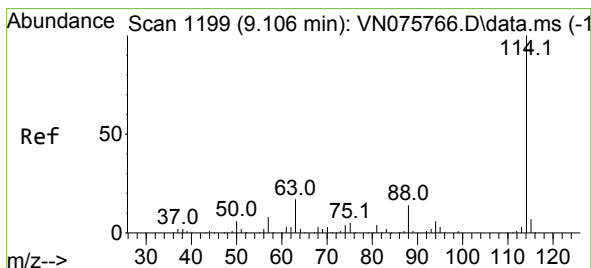
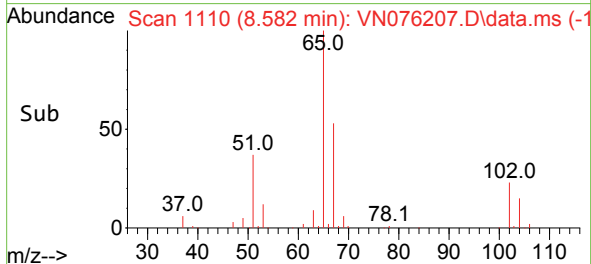
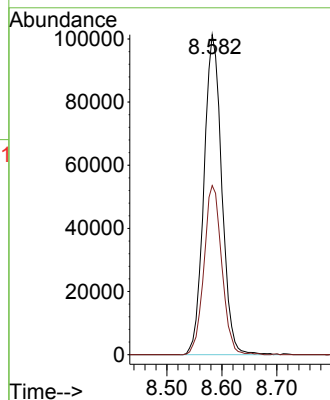
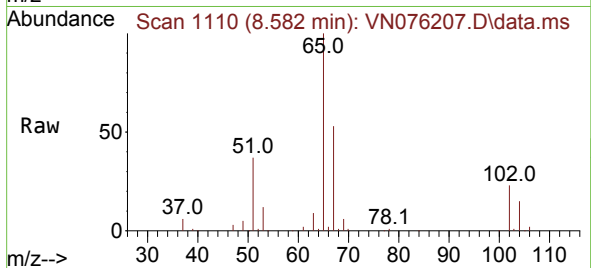
31963

Tgt Ion: 65 Resp: 228310

Ion Ratio Lower Upper

65 100

67 52.9 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: VN076207.D

Acq: 11 Jan 2023 14:04

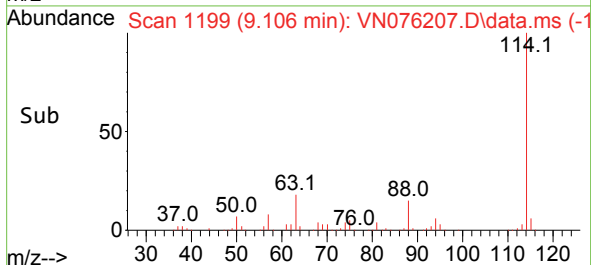
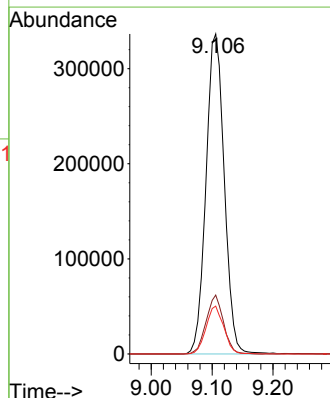
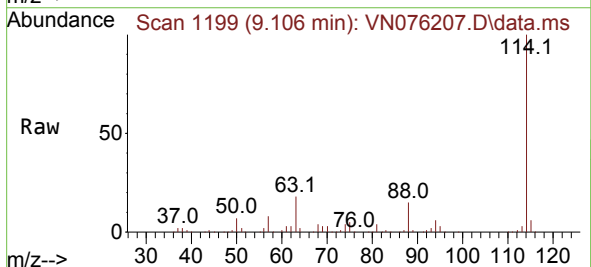
Tgt Ion: 114 Resp: 701327

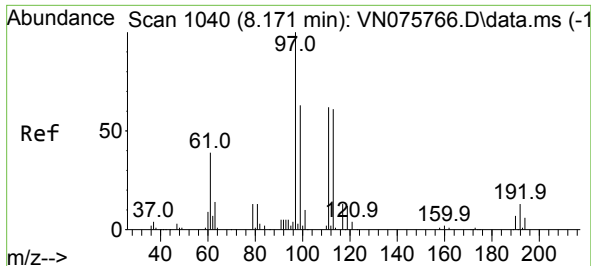
Ion Ratio Lower Upper

114 100

63 18.4 0.0 34.4

88 15.0 0.0 28.8

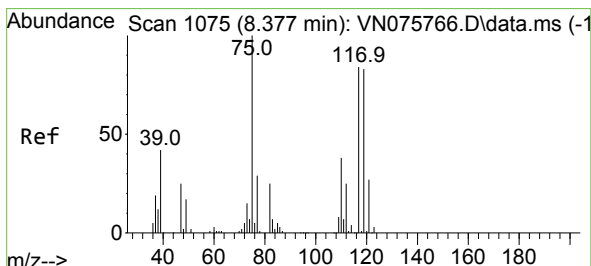
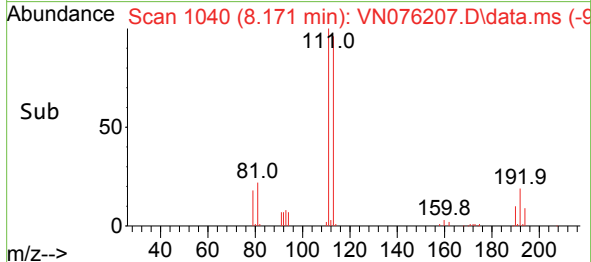
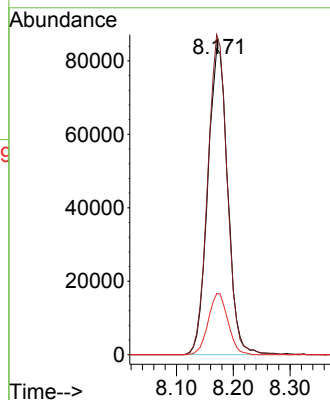
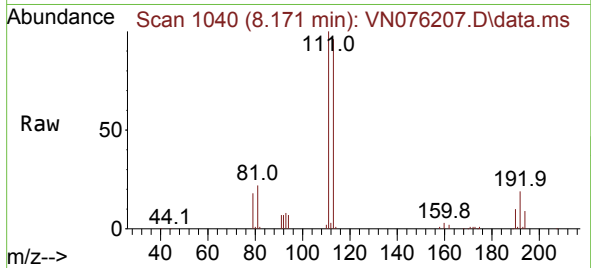




#35
Dibromofluoromethane
Concen: 46.990 ug/l
RT: 8.171 min Scan# 1040
Delta R.T. -0.000 min
Lab File: VN076207.D
Acq: 11 Jan 2023 14:04

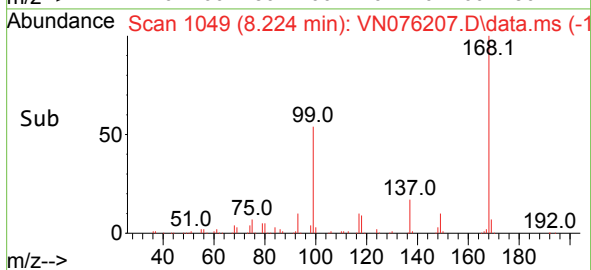
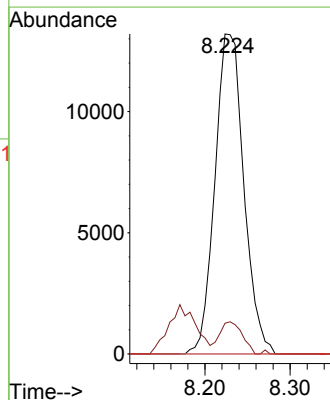
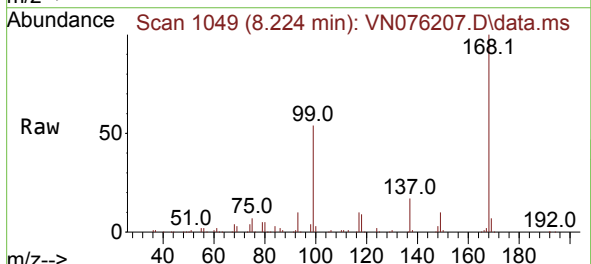
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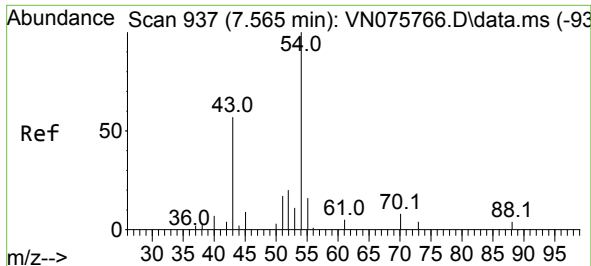
Tgt Ion:113 Resp: 204088
Ion Ratio Lower Upper
113 100
111 101.9 83.4 125.2
192 19.6 16.1 24.1



#36
1,1-Dichloropropene
Concen: 5.389 ug/l
RT: 8.224 min Scan# 1049
Delta R.T. -0.153 min
Lab File: VN076207.D
Acq: 11 Jan 2023 14:04

Tgt Ion: 75 Resp: 31094
Ion Ratio Lower Upper
75 100
110 8.0 18.8 56.4#
77 0.0 24.1 36.1#

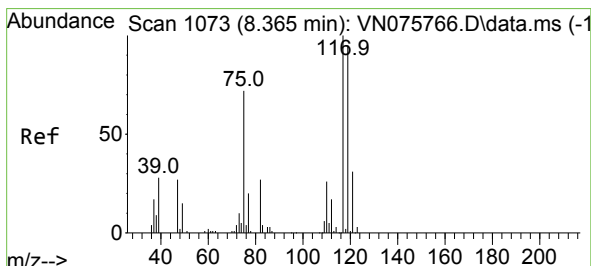
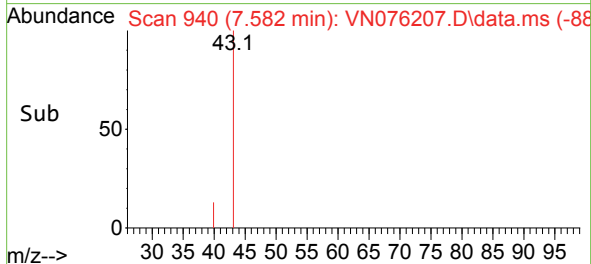
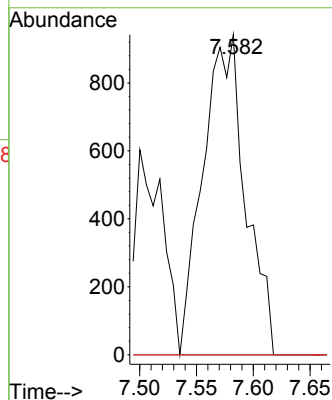
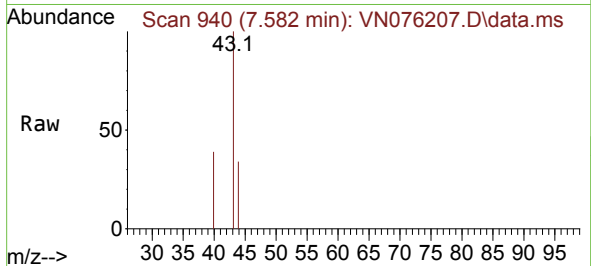




#37
Ethyl Acetate
Concen: 0.529 ug/l
RT: 7.582 min Scan# 94
Delta R.T. 0.018 min
Lab File: VN076207.D
Acq: 11 Jan 2023 14:04

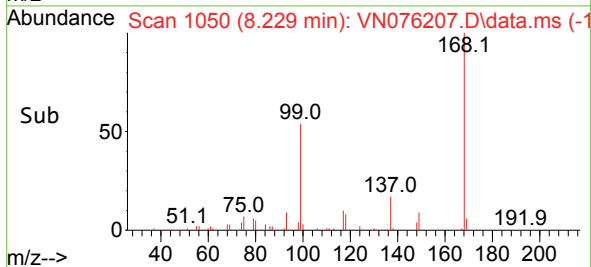
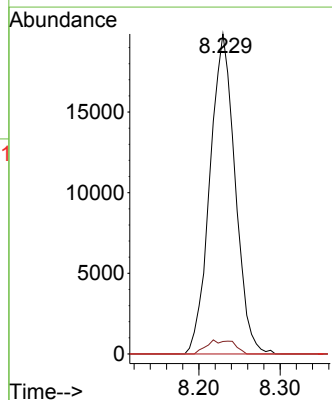
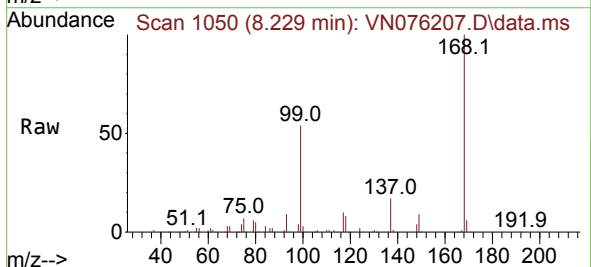
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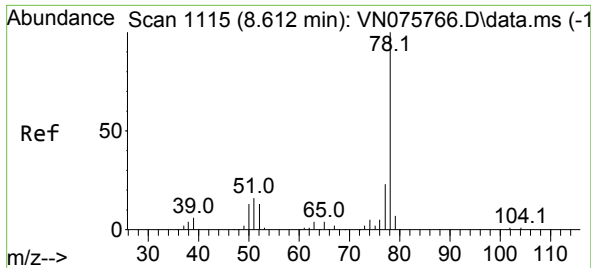
Tgt Ion: 43 Resp: 2450
Ion Ratio Lower Upper
43 100
61 0.0 13.0 19.4#
70 0.0 9.4 14.0#



#38
Carbon Tetrachloride
Concen: 6.640 ug/l
RT: 8.229 min Scan# 1050
Delta R.T. -0.135 min
Lab File: VN076207.D
Acq: 11 Jan 2023 14:04

Tgt Ion: 117 Resp: 42874
Ion Ratio Lower Upper
117 100
119 3.9 76.1 114.1#
121 0.0 24.5 36.7#

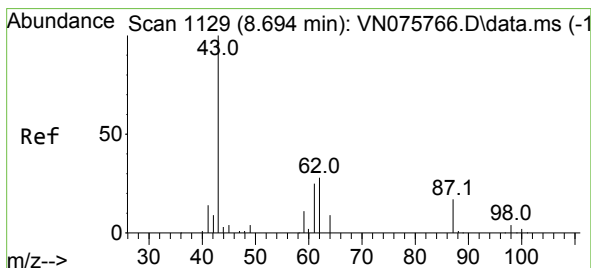
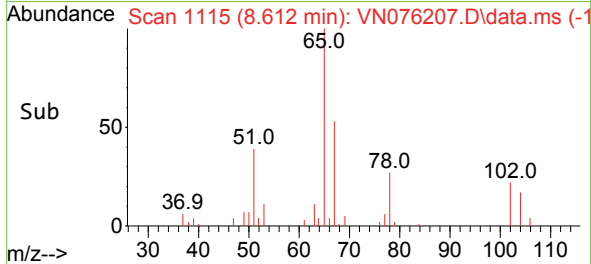
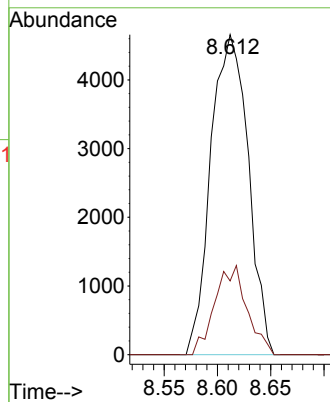
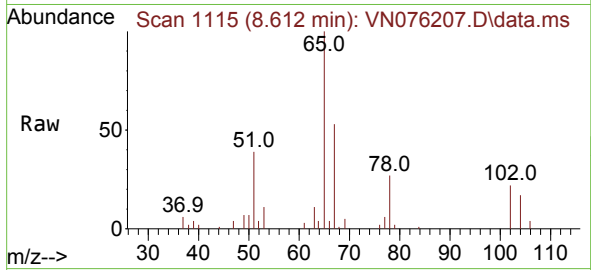




#40
Benzene
Concen: 0.639 ug/l
RT: 8.612 min Scan# 1115
Delta R.T. -0.000 min
Lab File: VN076207.D
Acq: 11 Jan 2023 14:04

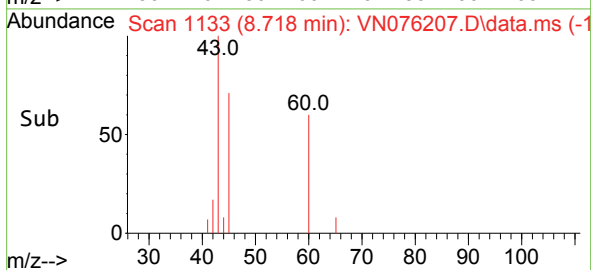
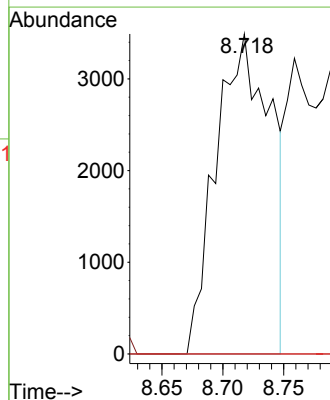
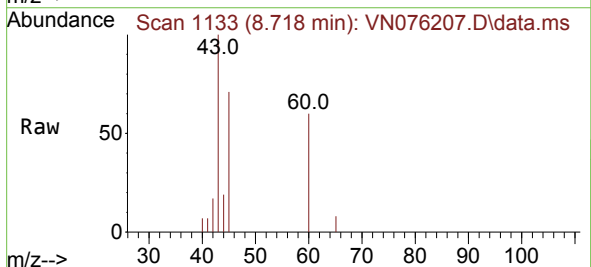
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ClientSampleId :
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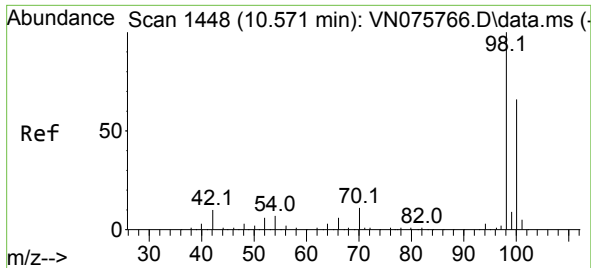
Tgt Ion: 78 Resp: 11369
Ion Ratio Lower Upper
78 100
77 23.1 18.5 27.7



#43
Isopropyl Acetate
Concen: 1.431 ug/l
RT: 8.718 min Scan# 1133
Delta R.T. 0.023 min
Lab File: VN076207.D
Acq: 11 Jan 2023 14:04

Tgt Ion: 43 Resp: 10938
Ion Ratio Lower Upper
43 100
61 0.0 24.2 36.4#
87 0.0 13.3 19.9#

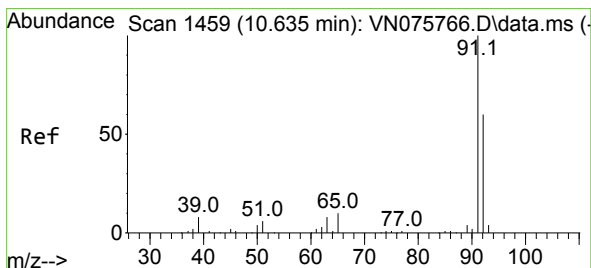
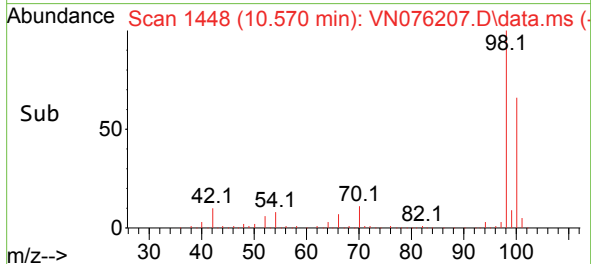
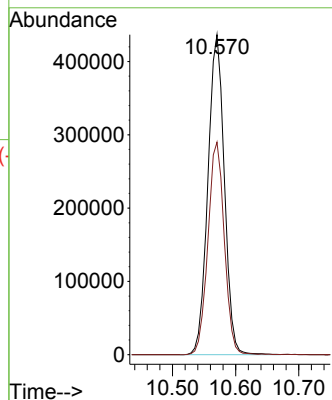
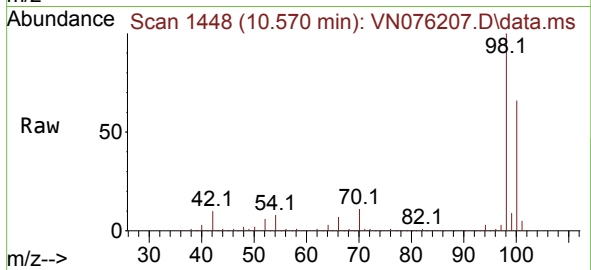




#50
Toluene-d8
Concen: 48.553 ug/l
RT: 10.570 min Scan# 1448
Delta R.T. -0.000 min
Lab File: VN076207.D
Acq: 11 Jan 2023 14:04

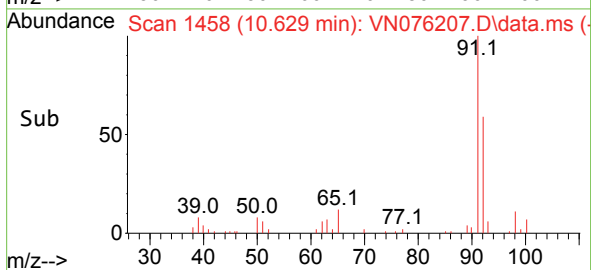
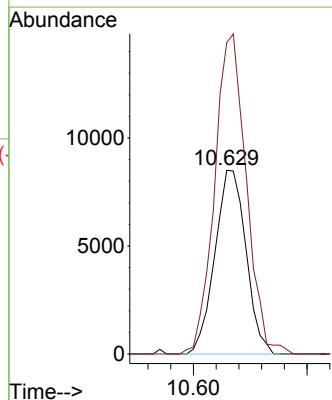
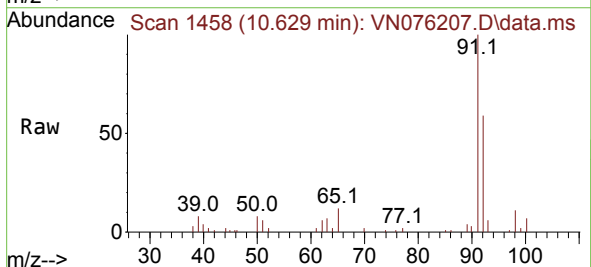
Instrument :
MSVOA_N
ClientSampleId :
31963

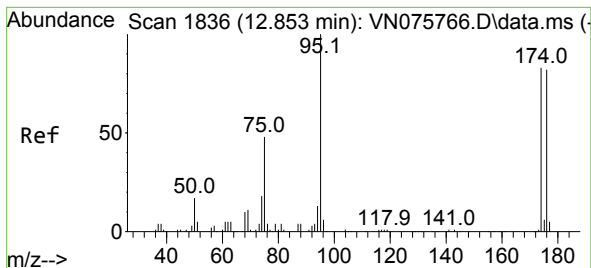
Tgt Ion: 98 Resp: 788443
Ion Ratio Lower Upper
98 100
100 66.0 52.1 78.1



#52
Toluene
Concen: 1.394 ug/l
RT: 10.629 min Scan# 1458
Delta R.T. -0.006 min
Lab File: VN076207.D
Acq: 11 Jan 2023 14:04

Tgt Ion: 92 Resp: 16165
Ion Ratio Lower Upper
92 100
91 177.3 137.3 205.9

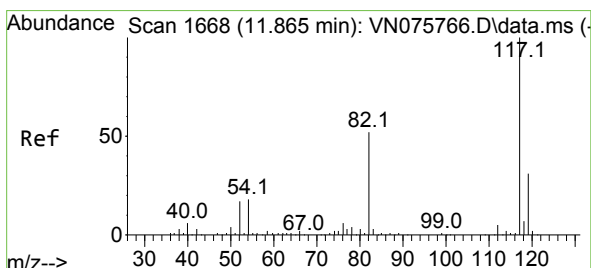
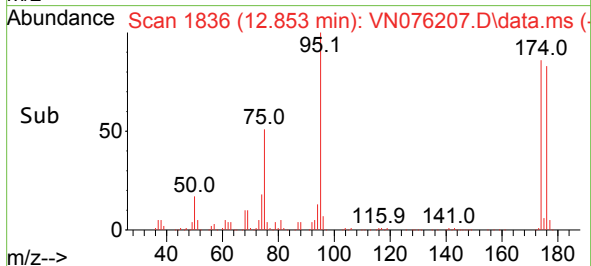
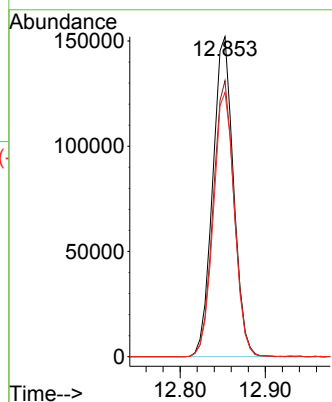
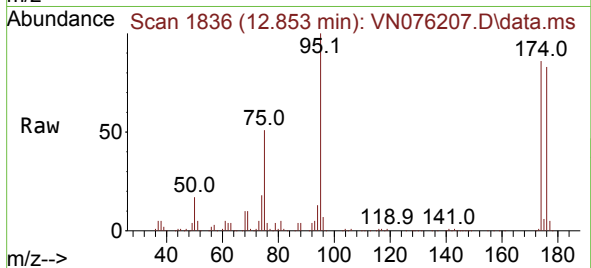




#62
4-Bromofluorobenzene
Concen: 47.933 ug/l
RT: 12.853 min Scan# 1836
Delta R.T. -0.000 min
Lab File: VN076207.D
Acq: 11 Jan 2023 14:04

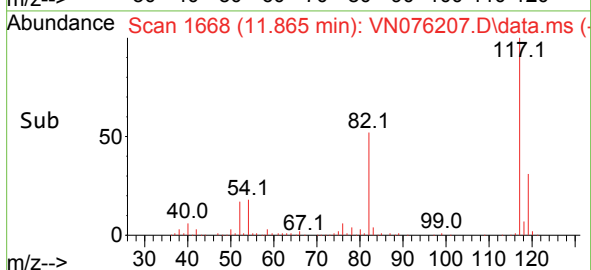
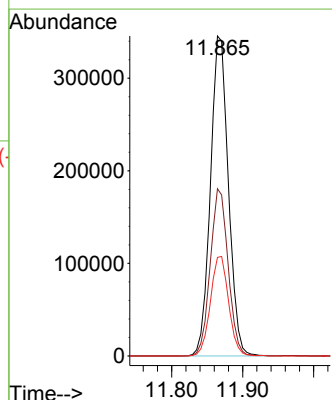
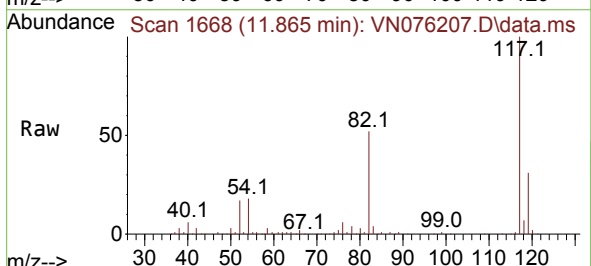
Instrument :
MSVOA_N
ClientSampleId :
31963

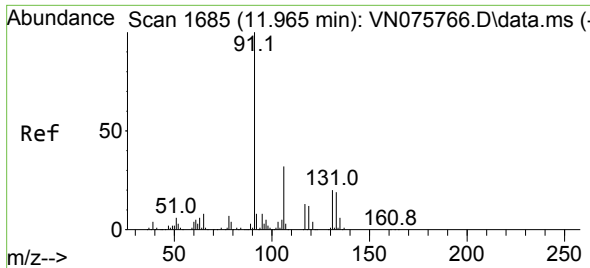
Tgt Ion: 95 Resp: 257806
Ion Ratio Lower Upper
95 100
174 86.7 0.0 171.6
176 83.6 0.0 169.2



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 1668
Delta R.T. -0.000 min
Lab File: VN076207.D
Acq: 11 Jan 2023 14:04

Tgt Ion: 117 Resp: 606936
Ion Ratio Lower Upper
117 100
82 52.3 41.3 61.9
119 30.8 24.6 37.0

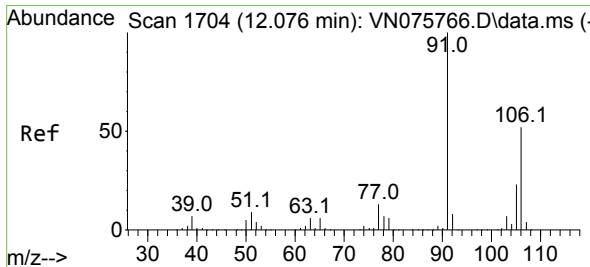
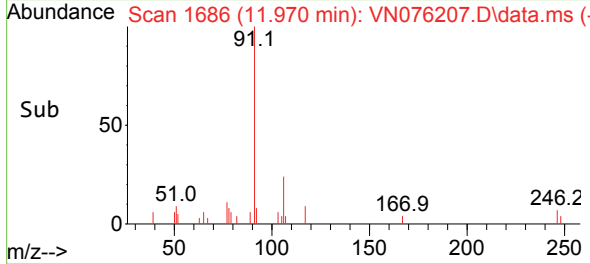
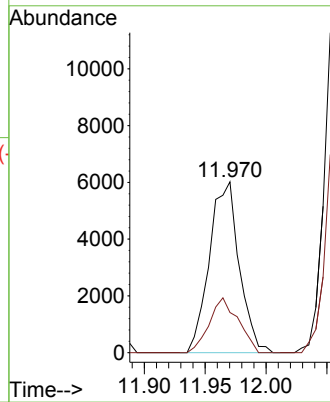
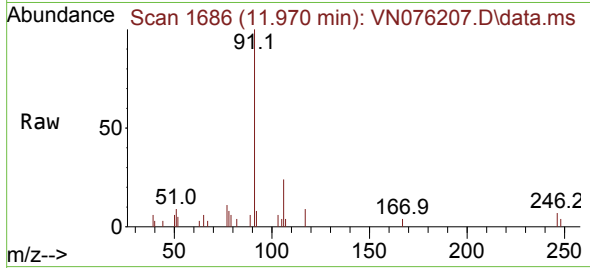




#67
Ethyl Benzene
Concen: 0.488 ug/l
RT: 11.970 min Scan# 1686
Delta R.T. 0.006 min
Lab File: VN076207.D
Acq: 11 Jan 2023 14:04

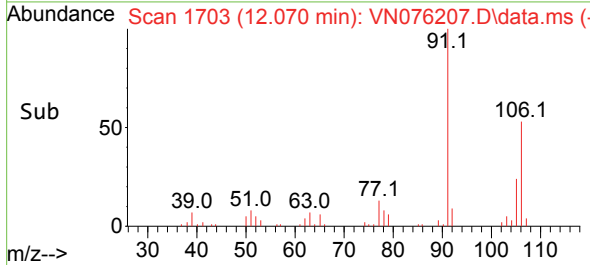
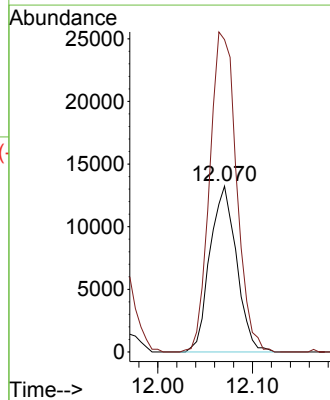
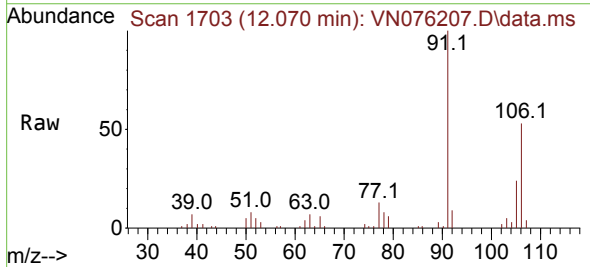
Instrument :
MSVOA_N
ClientSampleId :
31963

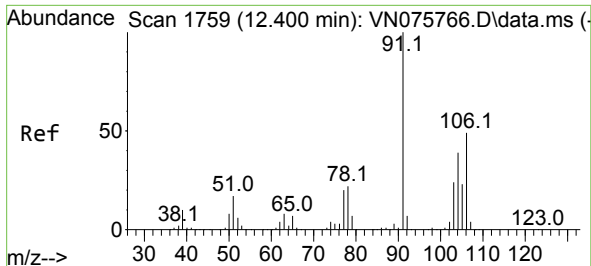
Tgt Ion: 91 Resp: 10250
Ion Ratio Lower Upper
91 100
106 23.6 25.7 38.5#



#68
m/p-Xylenes
Concen: 3.105 ug/l
RT: 12.070 min Scan# 1703
Delta R.T. -0.006 min
Lab File: VN076207.D
Acq: 11 Jan 2023 14:04

Tgt Ion:106 Resp: 25841
Ion Ratio Lower Upper
106 100
91 194.4 156.6 235.0





#69

o-Xylene

Concen: 2.924 ug/l

RT: 12.400 min Scan# 1759

Delta R.T. -0.000 min

Lab File: VN076207.D

Acq: 11 Jan 2023 14:04

Instrument :

MSVOA_N

ClientSampleId :

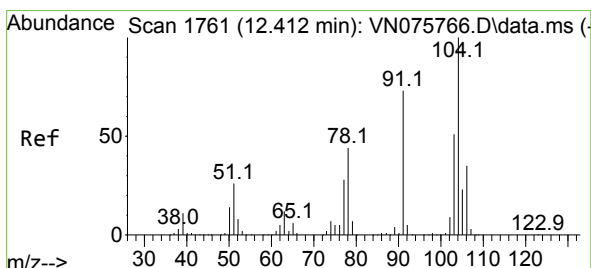
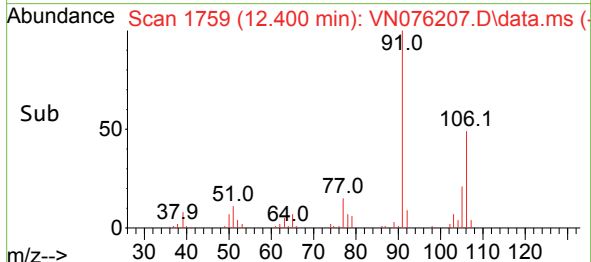
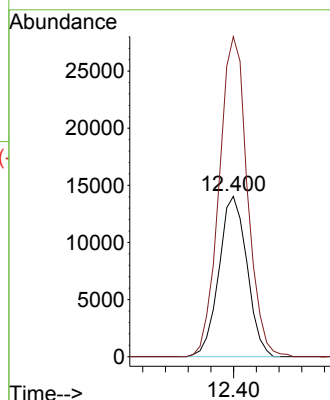
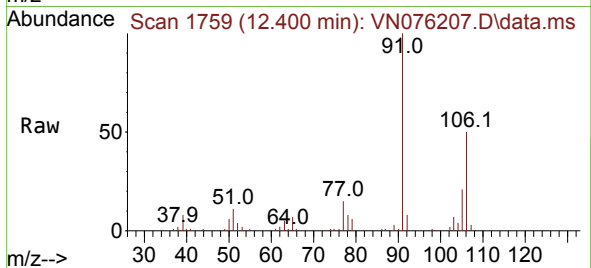
31963

Tgt Ion:106 Resp: 24076

Ion Ratio Lower Upper

106 100

91 201.2 103.8 311.6



#70

Styrene

Concen: 0.207 ug/l

RT: 12.406 min Scan# 1760

Delta R.T. -0.006 min

Lab File: VN076207.D

Acq: 11 Jan 2023 14:04

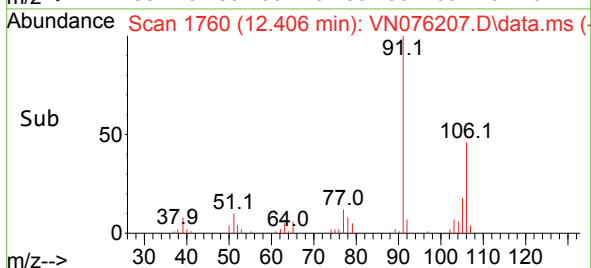
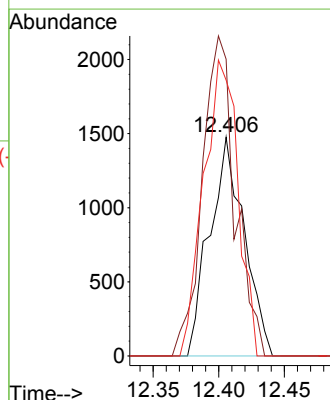
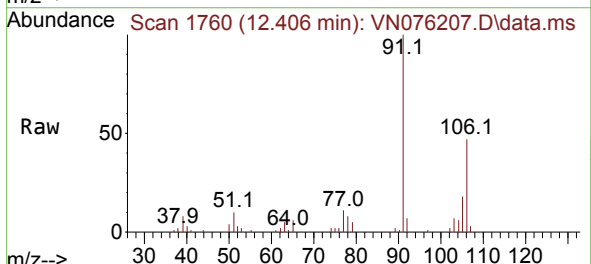
Tgt Ion:104 Resp: 2705

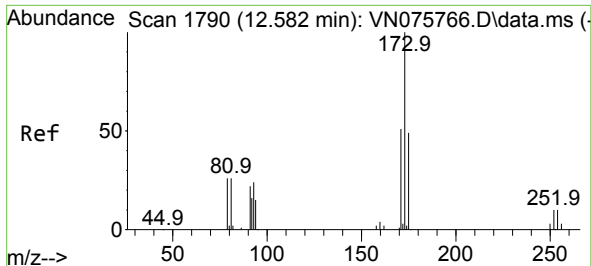
Ion Ratio Lower Upper

104 100

78 139.5 37.5 56.3#

103 134.3 43.5 65.3#

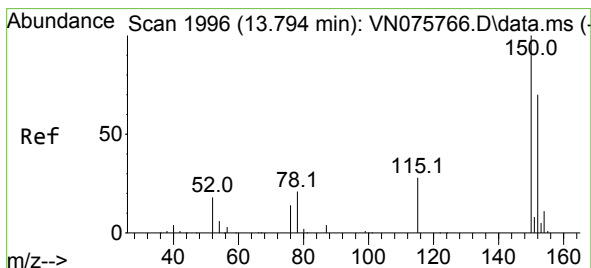
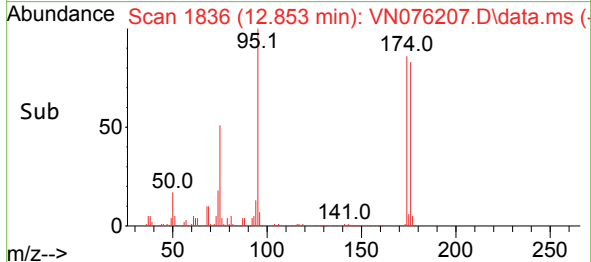
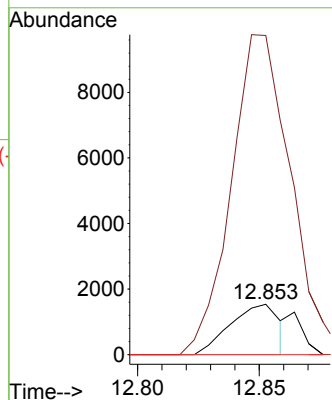
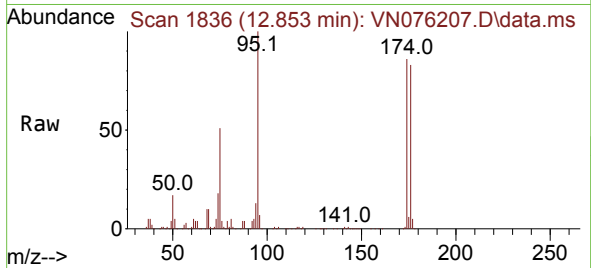




#71
Bromoform
Concen: 0.642 ug/l
RT: 12.853 min Scan# 1836
Delta R.T. 0.270 min
Lab File: VN076207.D
Acq: 11 Jan 2023 14:04

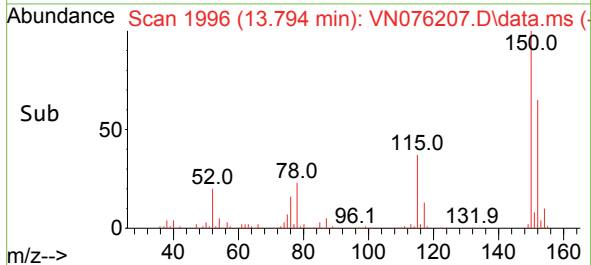
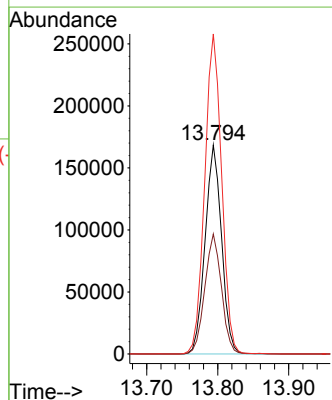
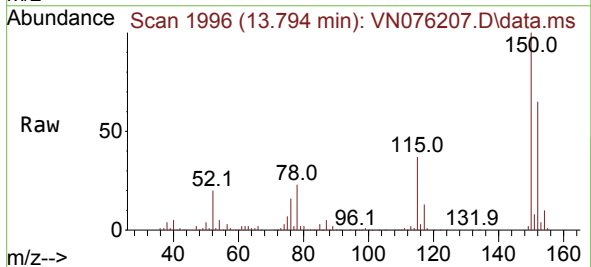
Instrument :
MSVOA_N
ClientSampleId :
31963

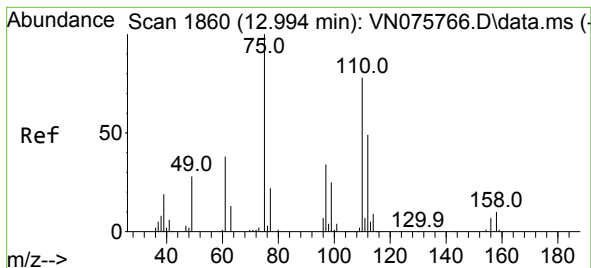
Tgt Ion:173 Resp: 2157
Ion Ratio Lower Upper
173 100
175 629.1 24.3 72.8#
254 0.0 0.0 0.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.794 min Scan# 1996
Delta R.T. -0.000 min
Lab File: VN076207.D
Acq: 11 Jan 2023 14:04

Tgt Ion:152 Resp: 271853
Ion Ratio Lower Upper
152 100
115 58.1 29.1 87.4
150 157.2 0.0 347.0





#76

1,2,3-Trichloropropane

Concen: 24.117 ug/l

RT: 12.853 min Scan# 1836

Delta R.T. -0.141 min

Lab File: VN076207.D

Acq: 11 Jan 2023 14:04

Instrument :

MSVOA_N

ClientSampleId :

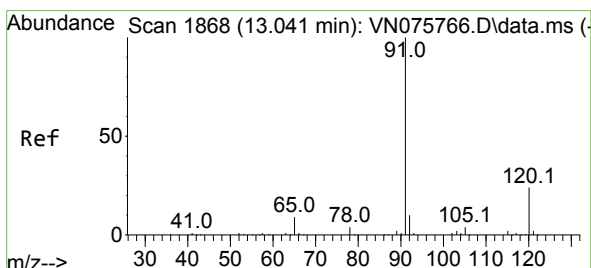
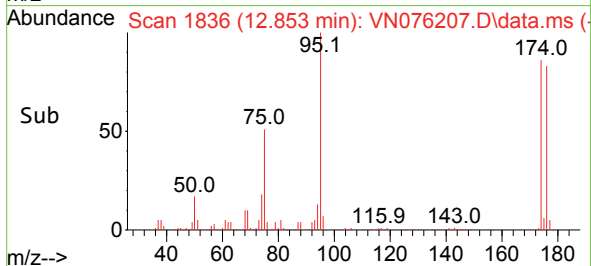
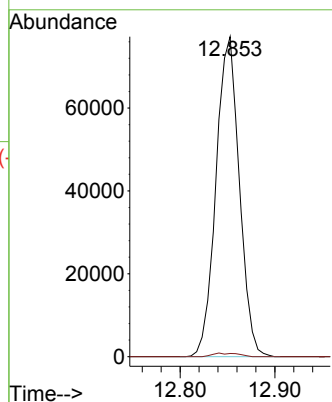
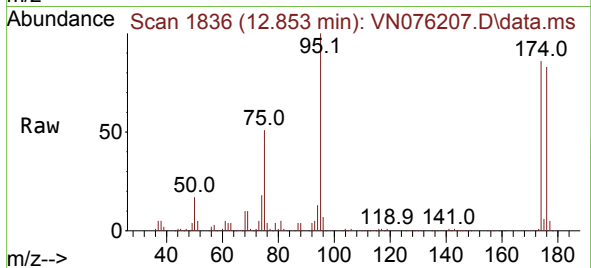
31963

Tgt Ion: 75 Resp: 132157

Ion Ratio Lower Upper

75 100

77 1.2 82.6 247.8#



#78

n-propylbenzene

Concen: 0.233 ug/l

RT: 13.035 min Scan# 1867

Delta R.T. -0.006 min

Lab File: VN076207.D

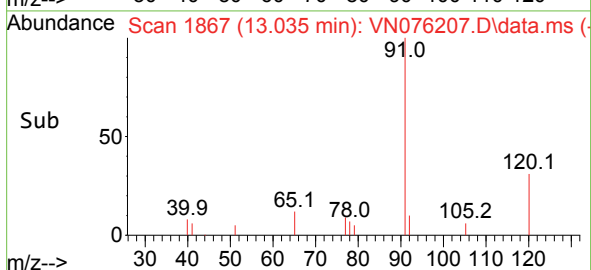
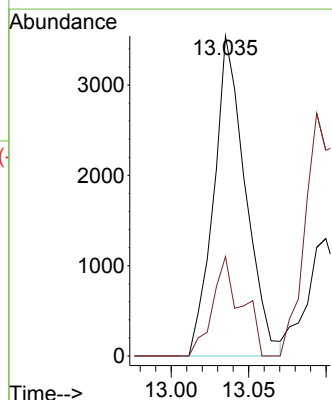
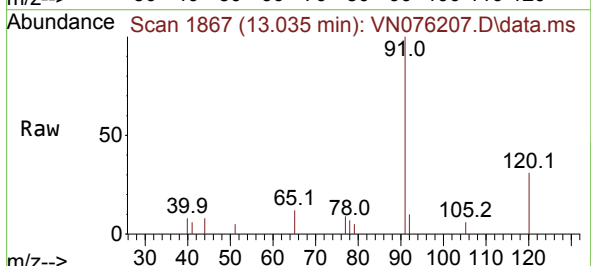
Acq: 11 Jan 2023 14:04

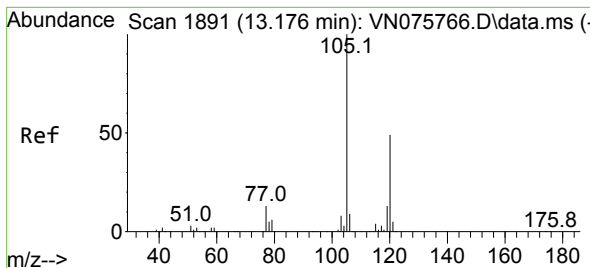
Tgt Ion: 91 Resp: 5040

Ion Ratio Lower Upper

91 100

120 28.2 12.0 36.1

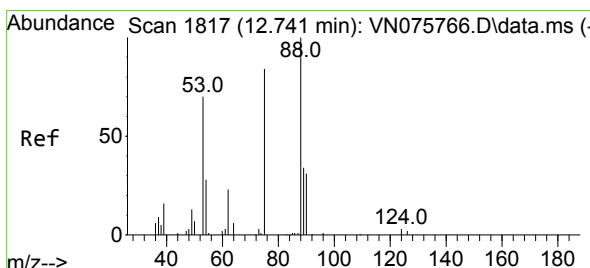
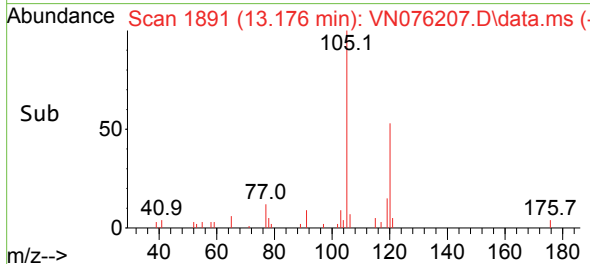
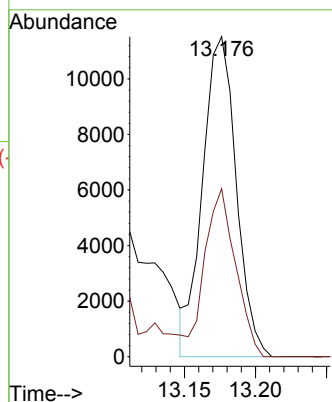
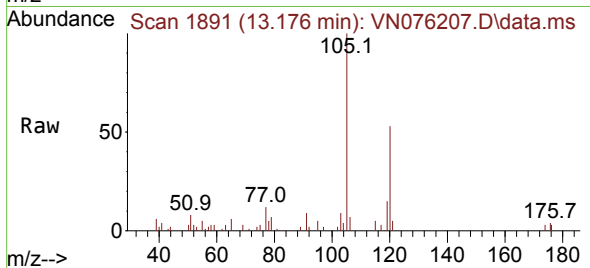




#80
1,3,5-Trimethylbenzene
Concen: 1.152 ug/l
RT: 13.176 min Scan# 1891
Delta R.T. -0.000 min
Lab File: VN076207.D
Acq: 11 Jan 2023 14:04

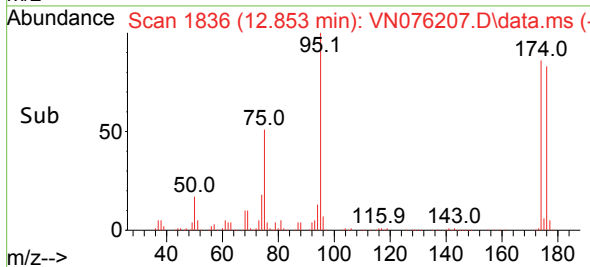
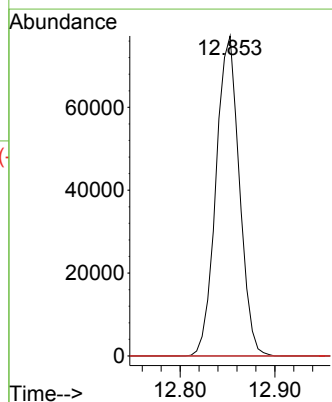
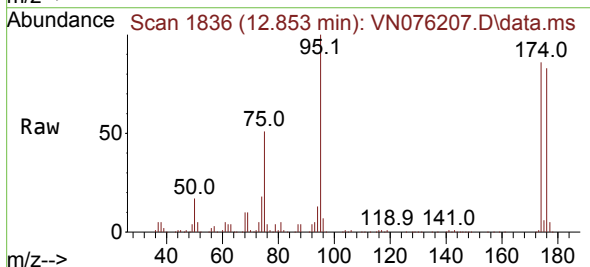
Instrument :
MSVOA_N
ClientSampleId :
31963

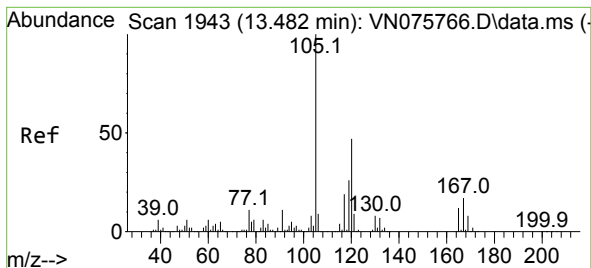
Tgt Ion:105 Resp: 18943
Ion Ratio Lower Upper
105 100
120 47.4 24.7 74.1



#81
trans-1,4-Dichloro-2-butene
Concen: 86.808 ug/l
RT: 12.853 min Scan# 1836
Delta R.T. 0.112 min
Lab File: VN076207.D
Acq: 11 Jan 2023 14:04

Tgt Ion: 75 Resp: 132157
Ion Ratio Lower Upper
75 100
53 0.0 73.8 110.6#
89 0.0 39.5 59.3#





#84

1,2,4-Trimethylbenzene

Concen: 2.443 ug/l

RT: 13.482 min Scan# 1943

Delta R.T. -0.000 min

Lab File: VN076207.D

Acq: 11 Jan 2023 14:04

Instrument :

MSVOA_N

ClientSampleId :

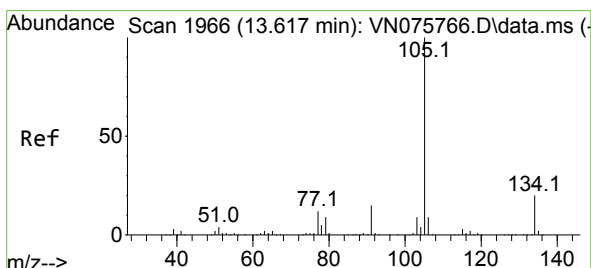
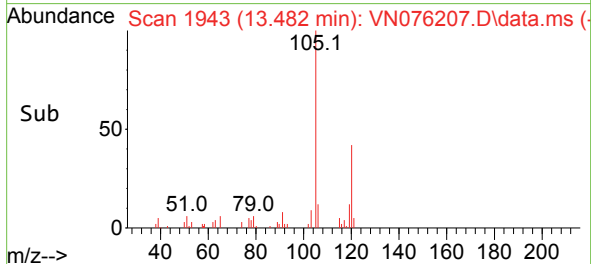
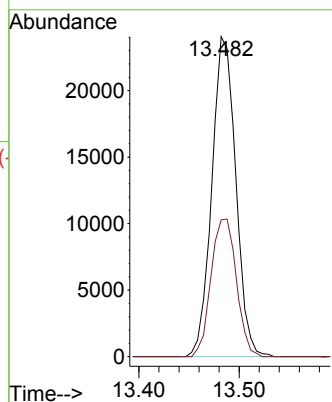
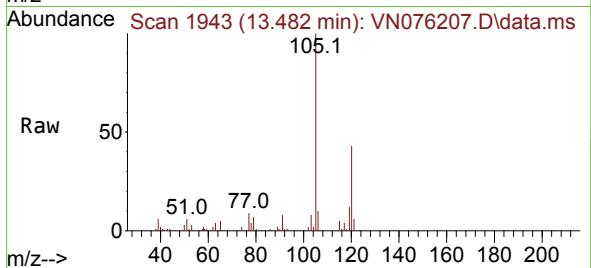
31963

Tgt Ion:105 Resp: 39844

Ion Ratio Lower Upper

105 100

120 45.5 23.3 69.8



#85

sec-Butylbenzene

Concen: 1.991 ug/l

RT: 13.482 min Scan# 1943

Delta R.T. -0.135 min

Lab File: VN076207.D

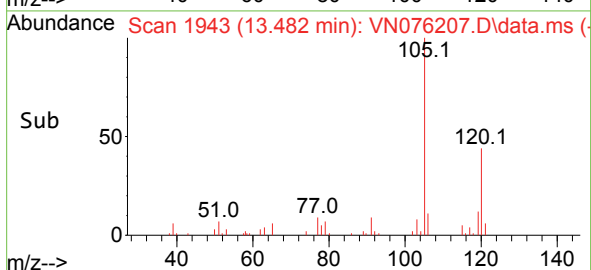
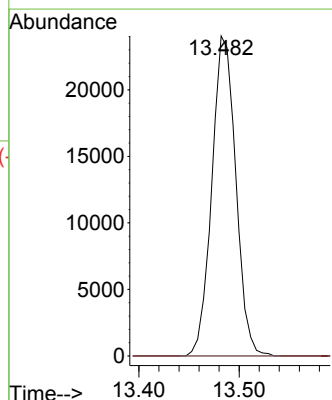
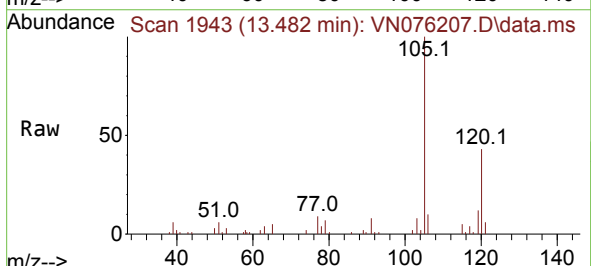
Acq: 11 Jan 2023 14:04

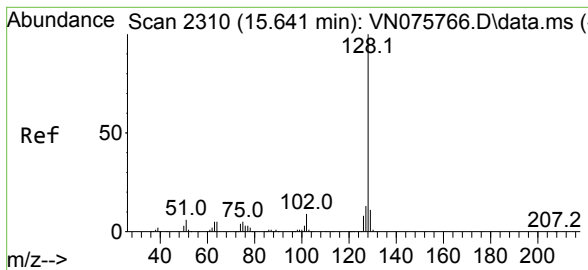
Tgt Ion:105 Resp: 39844

Ion Ratio Lower Upper

105 100

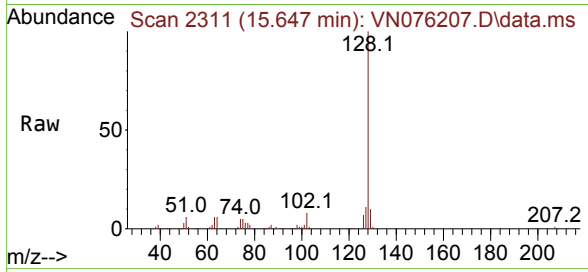
134 0.0 10.1 30.1#





#95
Naphthalene
Concen: 15.170 ug/l
RT: 15.647 min Scan# 211
Delta R.T. 0.006 min
Lab File: VN076207.D
Acq: 11 Jan 2023 14:04

Instrument :
MSVOA_N
ClientSampleId :
31963



Tgt Ion:	128	Resp:	200977
Ion	Ratio	Lower	Upper
128	100		
127	12.4	10.4	15.6
129	10.6	8.7	13.1

