

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN111422\
 Data File : VN075264.D
 Acq On : 14 Nov 2022 14:40
 Operator : JC\MD
 Sample : N5572-01 10X
 Misc : 1.06g/10mL/100uL/5.00mL/MSVOA_N/MEOH
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 31604

Quant Time: Nov 15 03:52:04 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N102622W.M
 Quant Title : SW846 8260
 QLast Update : Thu Oct 27 09:48:49 2022
 Response via : Initial Calibration

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

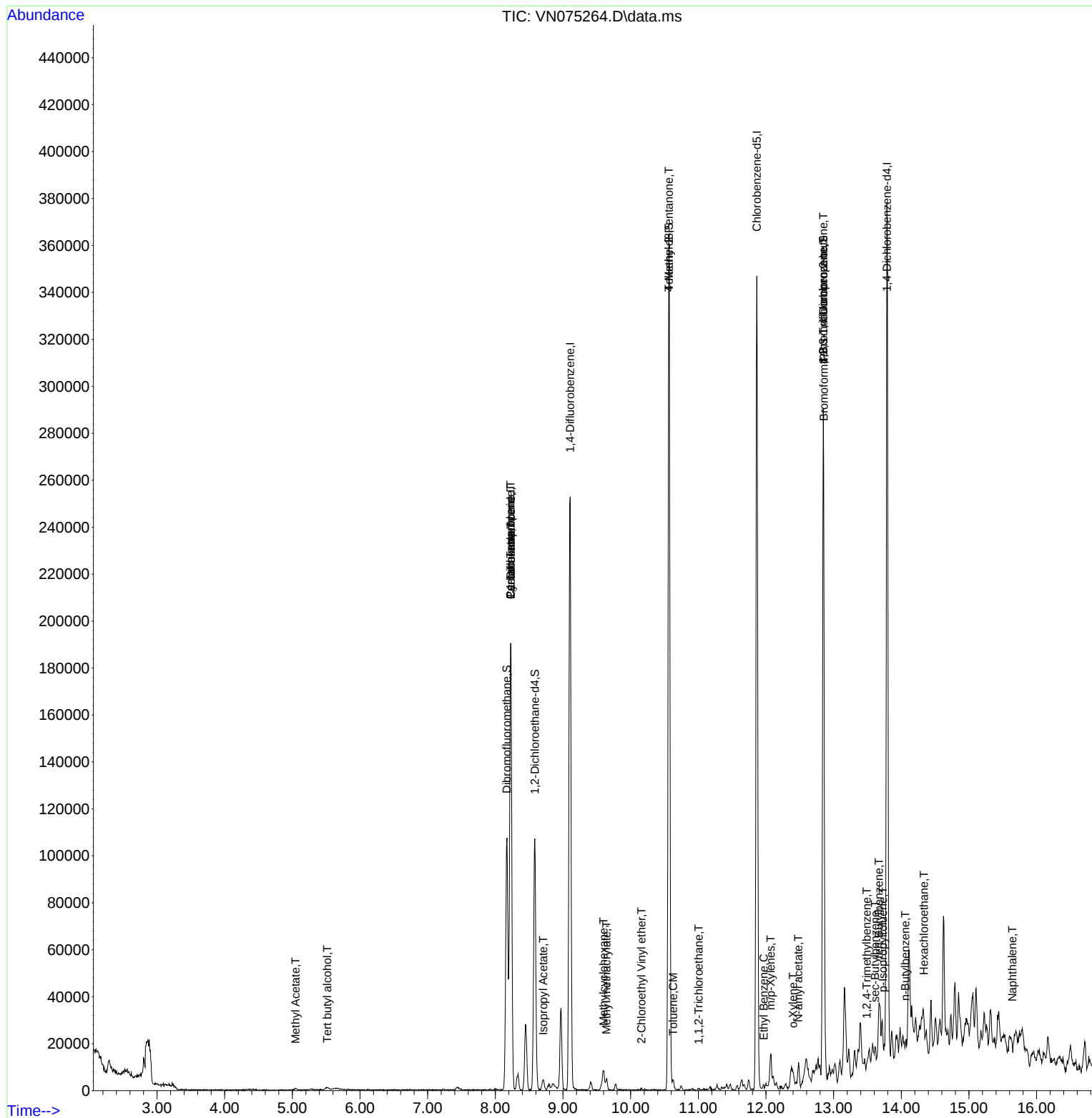
Internal Standards						
1) Pentafluorobenzene	8.230	168	128999	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	234535	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	206831	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	98236	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.583	65	87867	50.553	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 101.100%			
35) Dibromofluoromethane	8.171	113	76619	55.648	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 111.300%			
50) Toluene-d8	10.565	98	256910	48.095	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 96.180%			
62) 4-Bromofluorobenzene	12.847	95	98454	52.468	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 104.940%			
Target Compounds			Qvalue			
5) Bromomethane	2.918	94	558	Below Cal	#	5
11) Tert butyl alcohol	5.518	59	542	1.337	ug/l #	72
18) Methyl Acetate	5.047	43	979	0.407	ug/l #	59
31) Cyclohexane	8.230	56	5360	2.073	ug/l #	51
36) 1,1-Dichloropropene	8.224	75	10909	5.118	ug/l #	50
38) Carbon Tetrachloride	8.224	117	14148	6.034	ug/l #	16
39) Methylcyclohexane	9.600	83	3160	1.123	ug/l #	89
43) Isopropyl Acetate	8.706	43	2625	0.724	ug/l #	53
48) Methyl methacrylate	9.641	41	978	0.588	ug/l #	26
51) 4-Methyl-2-Pentanone	10.565	43	1074	0.459	ug/l #	1
52) Toluene	10.629	92	2012	0.461	ug/l	97
55) 1,1,2-Trichloroethane	11.006	97	455	0.263	ug/l #	17
58) 2-Chloroethyl Vinyl ether	10.159	63	314	0.308	ug/l #	44
67) Ethyl Benzene	11.965	91	1726	0.217	ug/l	96
68) m/p-Xylenes	12.071	106	1831	0.575	ug/l	91
69) o-Xylene	12.400	106	1718	0.545	ug/l	85
71) Bromoform	12.853	173	790	0.644	ug/l #	1
74) N-amyl acetate	12.476	43	2428	0.832	ug/l #	60
75) 1,1,2,2-Tetrachloroethane	12.853	83	564	Below Cal		71
76) 1,2,3-Trichloropropane	12.847	75	51322	24.605	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.847	75	51322	63.162	ug/l #	10
83) tert-Butylbenzene	13.670	119	2156	0.366	ug/l	84
84) 1,2,4-Trimethylbenzene	13.488	105	1700	0.254	ug/l	82
85) sec-Butylbenzene	13.612	105	3085	0.375	ug/l #	76
86) p-Isopropyltoluene	13.729	119	1410	0.207	ug/l #	59
89) n-Butylbenzene	14.059	91	1869	0.341	ug/l #	82
90) Hexachloroethane	14.335	117	602	0.483	ug/l #	19
95) Naphthalene	15.641	128	1950	0.349	ug/l #	86

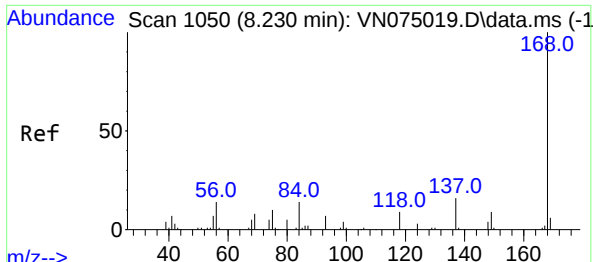
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN111422\
Data File : VN075264.D
Acq On : 14 Nov 2022 14:40
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Sample : N5572-01 10X
Misc : 1.06g/10mL/100uL/5.00mL/MSVOA_N/MEOH
ALS Vial : 9 Sample Multiplier: 1

Instrument :
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31604

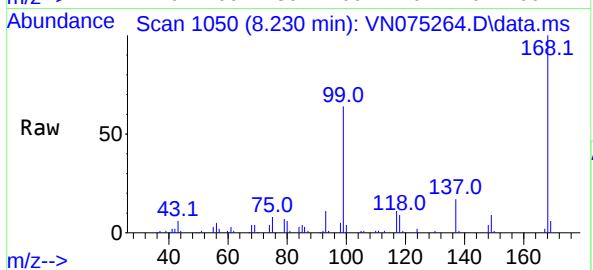
Quant Time: Nov 15 03:52:04 2022
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N102622W.M
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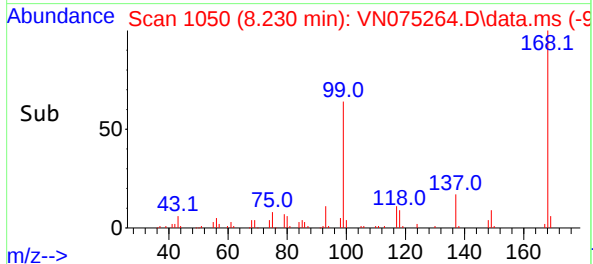
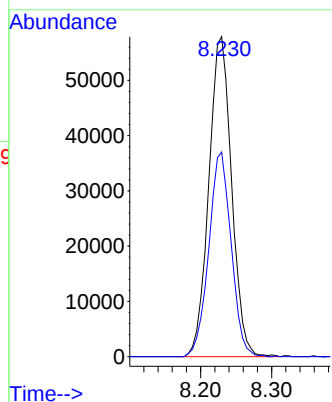


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.230 min Scan# 1050
Delta R.T. -0.000 min
Lab File: VN075264.D
Acq: 14 Nov 2022 14:40

Instrument :
MSVOA_N
ClientSampleId :
31604

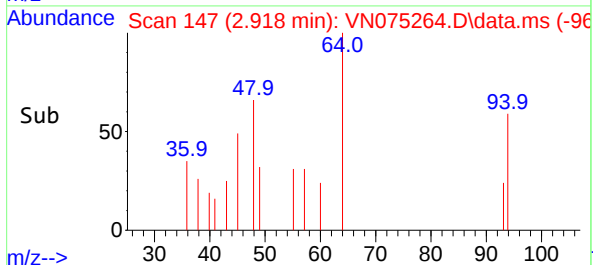
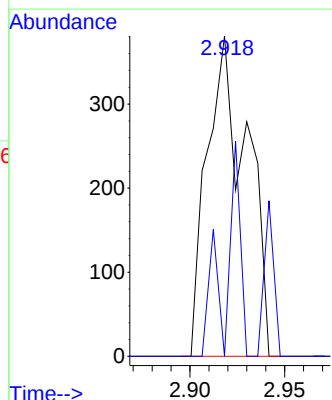
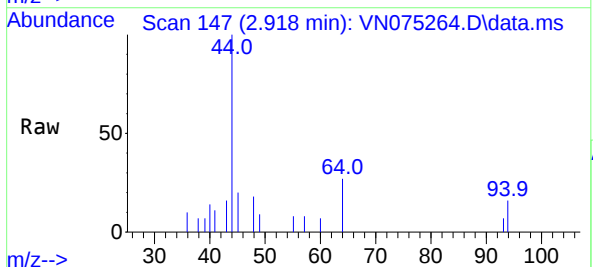


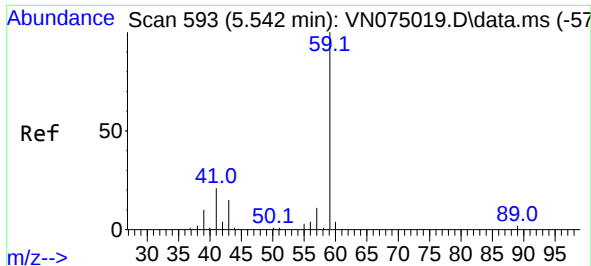
Tgt Ion:168 Resp: 128999
Ion Ratio Lower Upper
168 100
99 64.0 51.6 77.4



#5
Bromomethane
Concen: Below Cal
RT: 2.918 min Scan# 147
Delta R.T. 0.000 min
Lab File: VN075264.D
Acq: 14 Nov 2022 14:40

Tgt Ion: 94 Resp: 558
Ion Ratio Lower Upper
94 100
96 0.0 71.8 107.6#

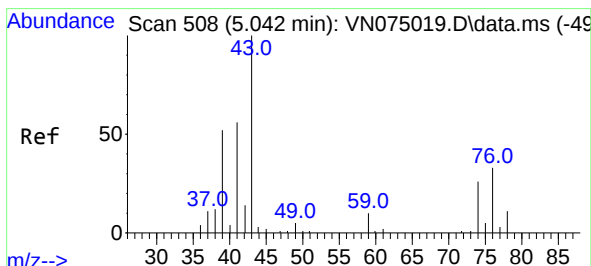
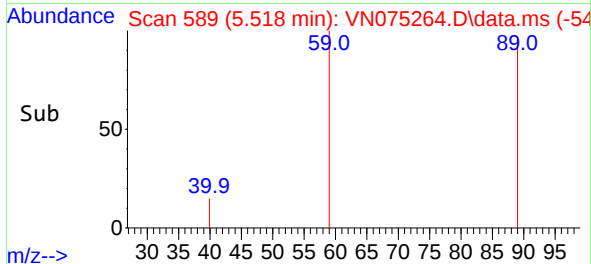
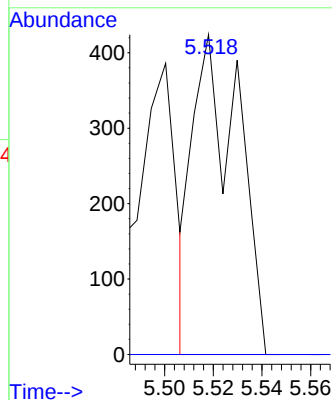
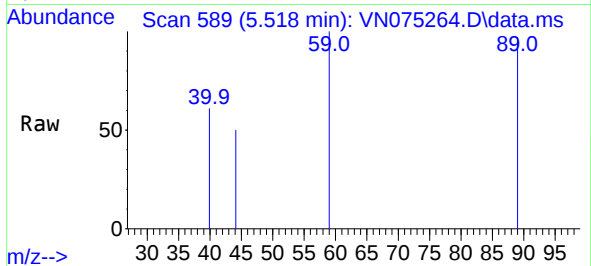




#11
Tert butyl alcohol
Concen: 1.337 ug/l
RT: 5.518 min Scan# 51
Delta R.T. -0.024 min
Lab File: VN075264.D
Acq: 14 Nov 2022 14:40

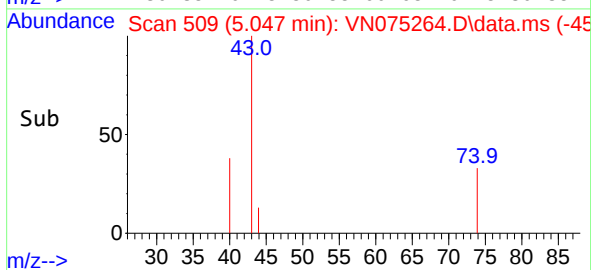
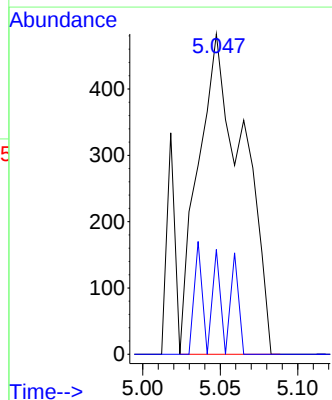
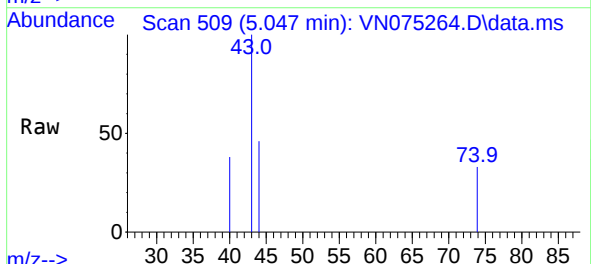
Instrument :
MSVOA_N
ClientSampleId :
31604

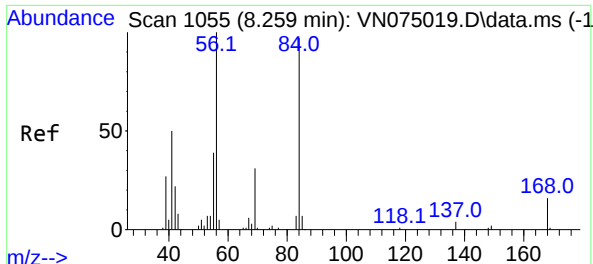
Tgt Ion: 59 Resp: 542
Ion Ratio Lower Upper
59 100
57 0.0 8.5 12.7#



#18
Methyl Acetate
Concen: 0.407 ug/l
RT: 5.047 min Scan# 509
Delta R.T. 0.005 min
Lab File: VN075264.D
Acq: 14 Nov 2022 14:40

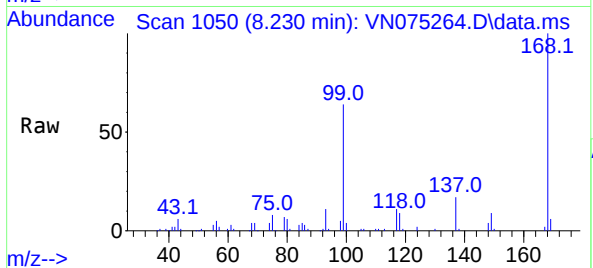
Tgt Ion: 43 Resp: 979
Ion Ratio Lower Upper
43 100
74 6.1 22.0 33.0#



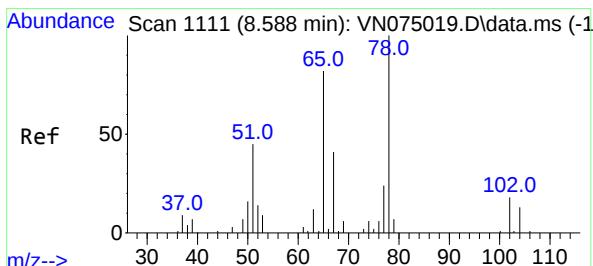
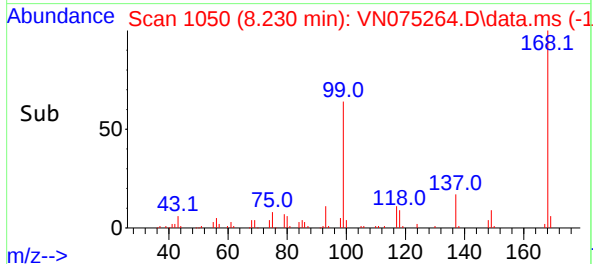
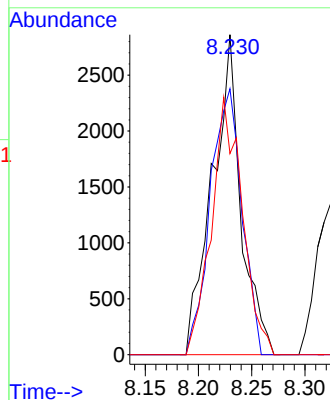


#31
Cyclohexane
Concen: 2.073 ug/l
RT: 8.230 min Scan# 1050
Delta R.T. -0.029 min
Lab File: VN075264.D
Acq: 14 Nov 2022 14:40

Instrument :
MSVOA_N
ClientSampleId :
31604

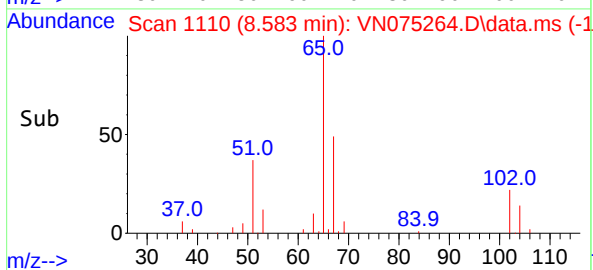
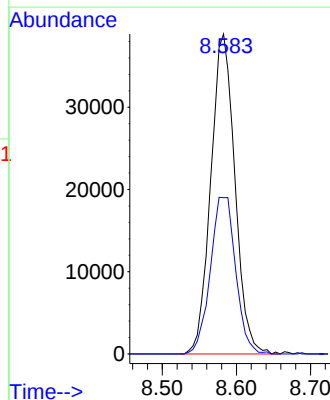
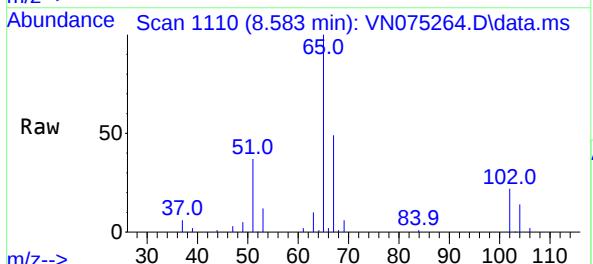


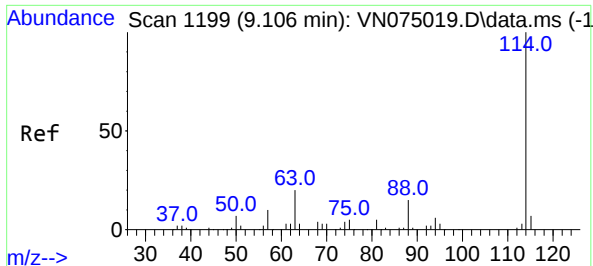
Tgt Ion: 56 Resp: 5360
Ion Ratio Lower Upper
56 100
69 83.1 25.2 37.8#
84 62.9 77.8 116.8#



#33
1,2-Dichloroethane-d4
Concen: 50.553 ug/l
RT: 8.583 min Scan# 1110
Delta R.T. -0.005 min
Lab File: VN075264.D
Acq: 14 Nov 2022 14:40

Tgt Ion: 65 Resp: 87867
Ion Ratio Lower Upper
65 100
67 51.6 0.0 102.0



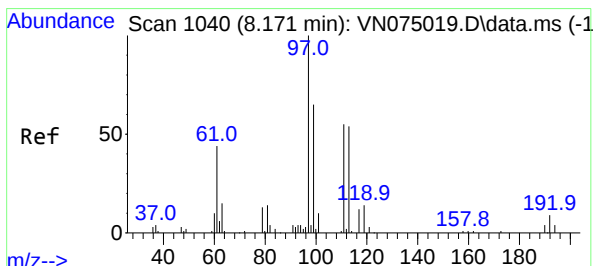
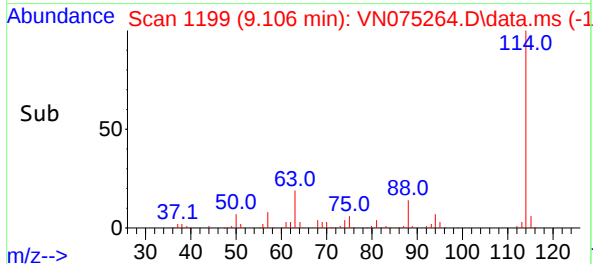
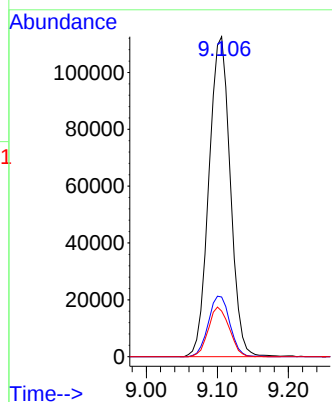
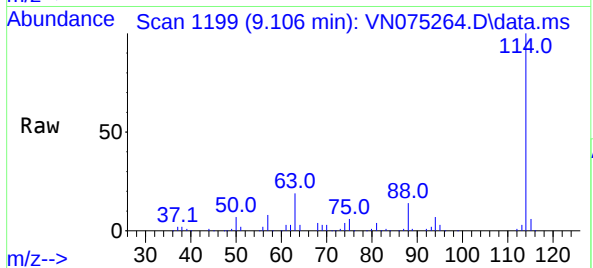


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 9.106 min Scan# 1199
Delta R.T. 0.000 min
Lab File: VN075264.D
Acq: 14 Nov 2022 14:40

Instrument :
MSVOA_N
ClientSampleId :
31604

Tgt Ion:114 Resp: 234535

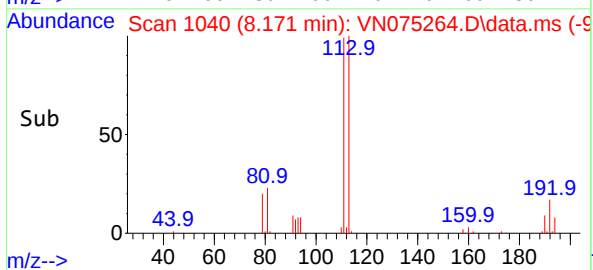
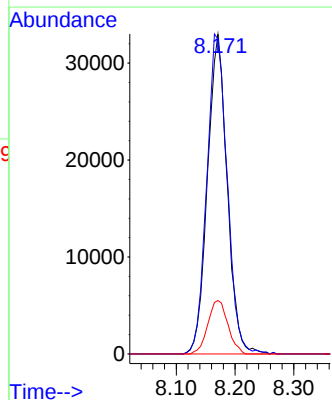
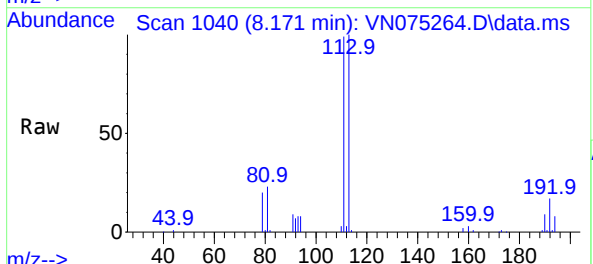
Ion	Ratio	Lower	Upper
114	100		
63	18.7	0.0	39.6
88	14.3	0.0	29.0

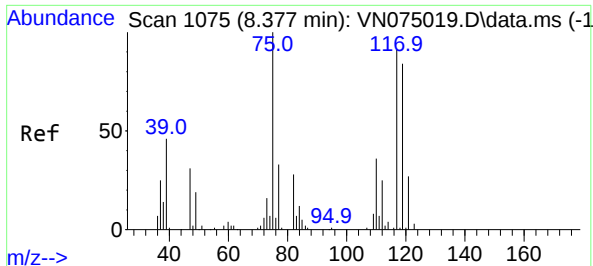


#35
Dibromofluoromethane
Concen: 55.648 ug/l
RT: 8.171 min Scan# 1040
Delta R.T. -0.000 min
Lab File: VN075264.D
Acq: 14 Nov 2022 14:40

Tgt Ion:113 Resp: 76619

Ion	Ratio	Lower	Upper
113	100		
111	103.9	80.5	120.7
192	17.1	13.2	19.8





#36

1,1-Dichloropropene

Concen: 5.118 ug/l

RT: 8.224 min Scan# 1049

Delta R.T. -0.153 min

Lab File: VN075264.D

Acq: 14 Nov 2022 14:40

Instrument :

MSVOA_N

ClientSampleId :

31604

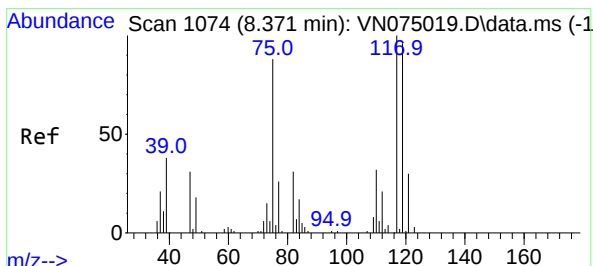
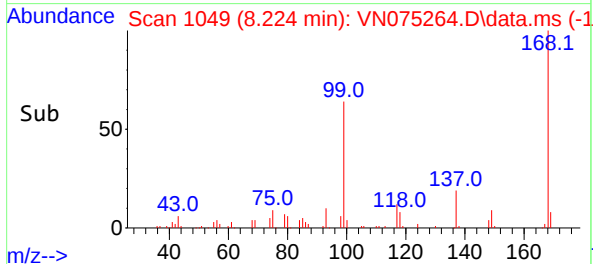
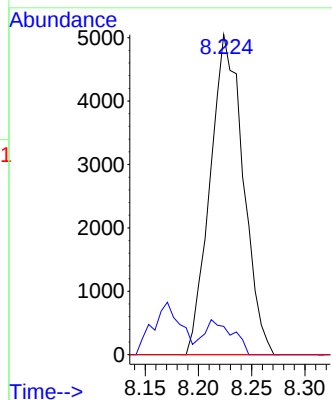
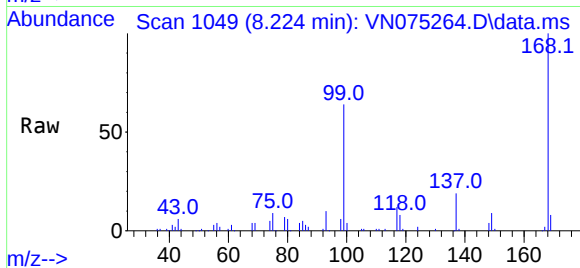
Tgt Ion: 75 Resp: 10909

Ion Ratio Lower Upper

75 100

110 9.6 17.8 53.3#

77 0.0 24.6 37.0#



#38

Carbon Tetrachloride

Concen: 6.034 ug/l

RT: 8.224 min Scan# 1049

Delta R.T. -0.147 min

Lab File: VN075264.D

Acq: 14 Nov 2022 14:40

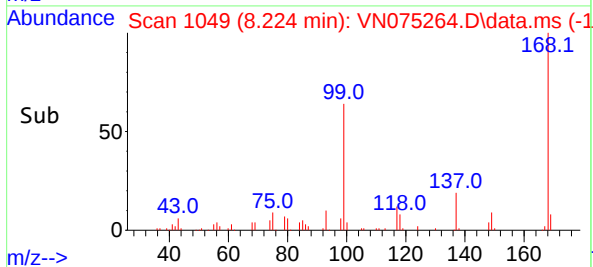
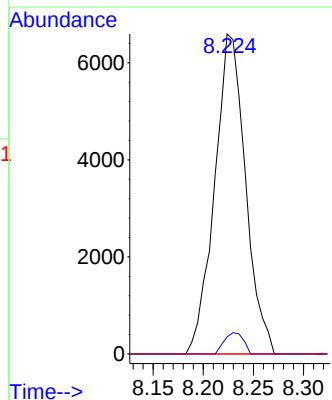
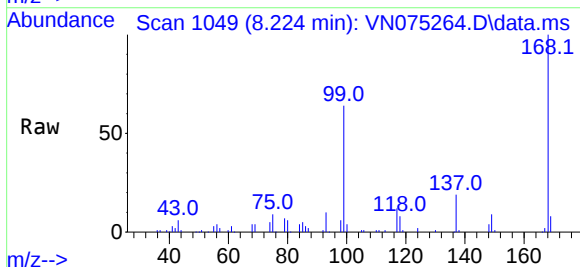
Tgt Ion: 117 Resp: 14148

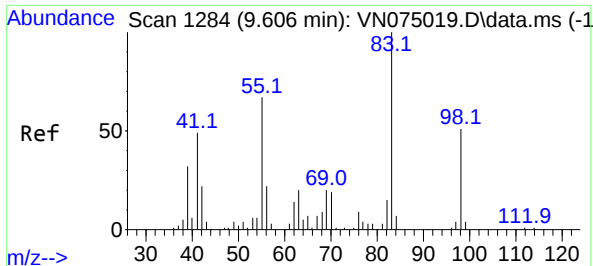
Ion Ratio Lower Upper

117 100

119 5.4 76.7 115.1#

121 0.0 23.9 35.9#





#39

Methylcyclohexane

Concen: 1.123 ug/l

RT: 9.600 min Scan# 11

Delta R.T. -0.006 min

Lab File: VN075264.D

Acq: 14 Nov 2022 14:40

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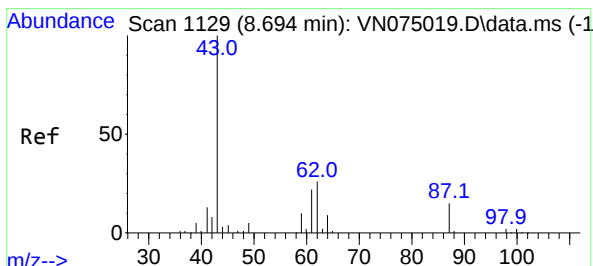
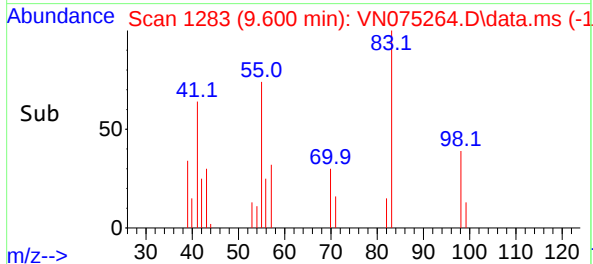
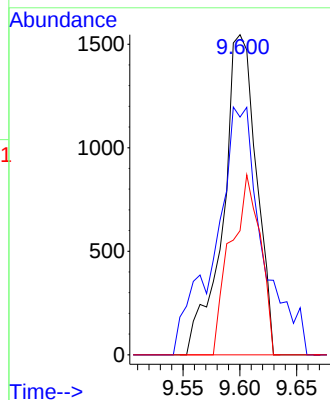
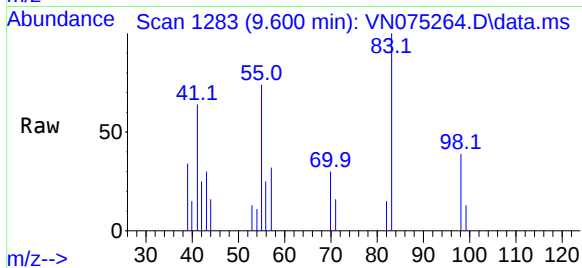
Tgt Ion: 83 Resp: 3160

Ion Ratio Lower Upper

83 100

55 62.5 53.6 80.4

98 38.7 41.1 61.7#



#43

Isopropyl Acetate

Concen: 0.724 ug/l

RT: 8.706 min Scan# 1131

Delta R.T. 0.012 min

Lab File: VN075264.D

Acq: 14 Nov 2022 14:40

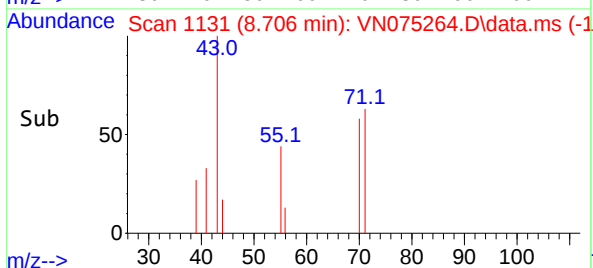
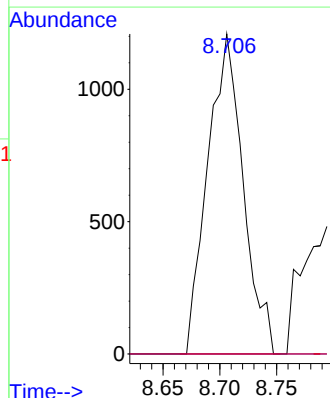
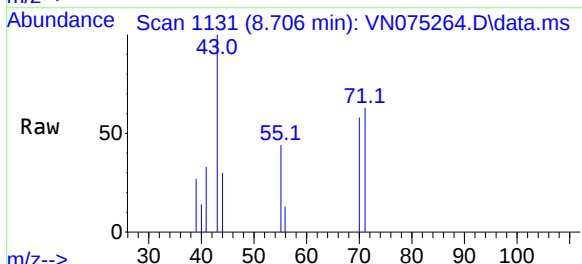
Tgt Ion: 43 Resp: 2625

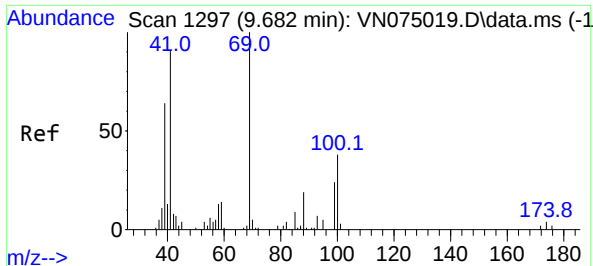
Ion Ratio Lower Upper

43 100

61 0.0 22.4 33.6#

87 0.0 12.5 18.7#





#48

Methyl methacrylate

Concen: 0.588 ug/l

RT: 9.641 min Scan# 11

Delta R.T. -0.041 min

Lab File: VN075264.D

Acq: 14 Nov 2022 14:40

Instrument :

MSVOA_N

ClientSampleId :

31604

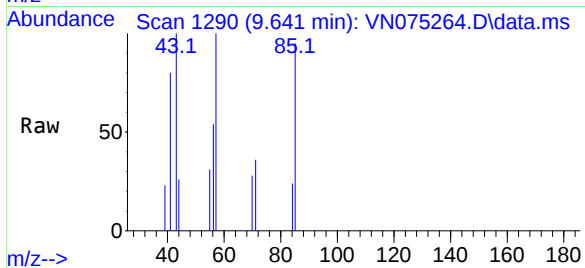
Tgt Ion: 41 Resp: 978

Ion Ratio Lower Upper

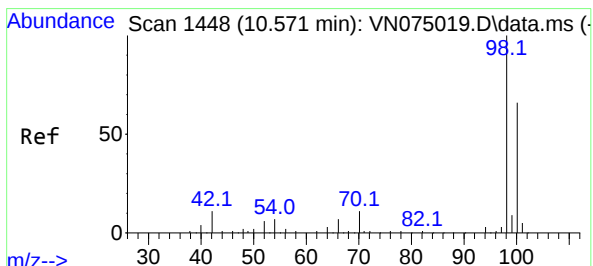
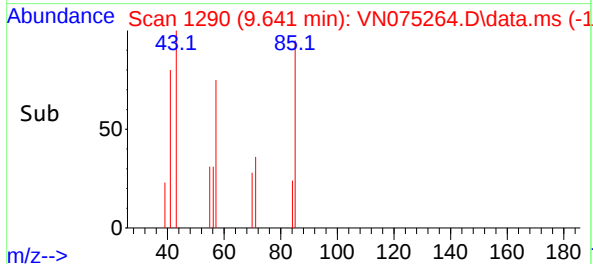
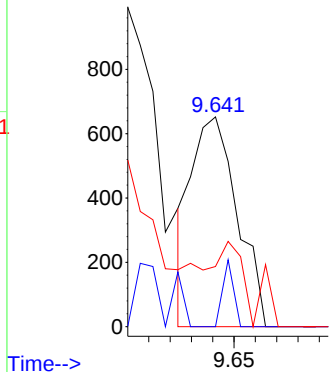
41 100

69 7.5 80.2 120.2#

39 31.2 56.2 84.2#



Abundance



#50

Toluene-d8

Concen: 48.095 ug/l

RT: 10.565 min Scan# 1447

Delta R.T. -0.006 min

Lab File: VN075264.D

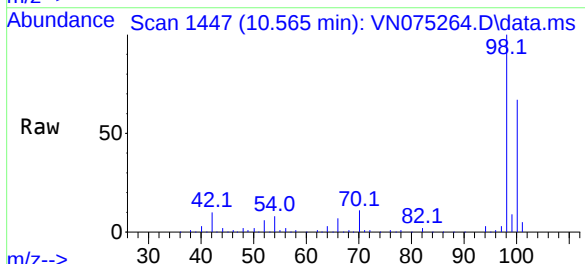
Acq: 14 Nov 2022 14:40

Tgt Ion: 98 Resp: 256910

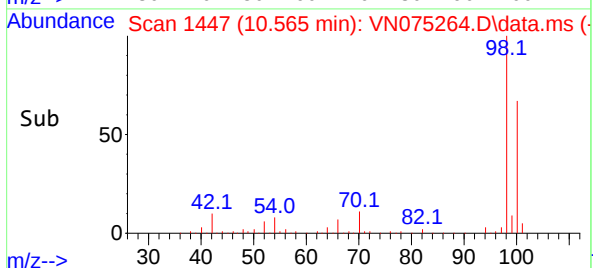
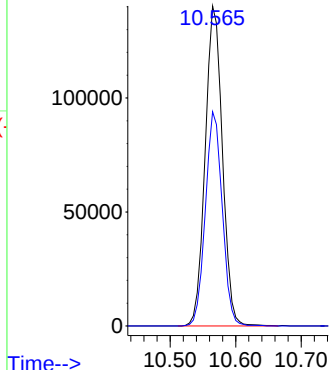
Ion Ratio Lower Upper

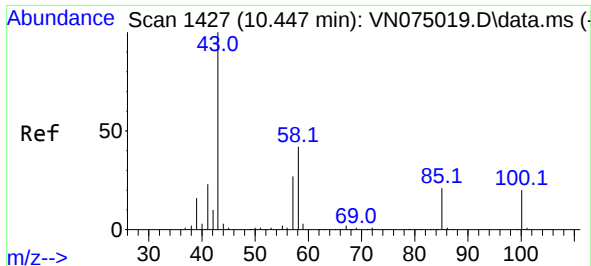
98 100

100 65.6 53.0 79.6



Abundance

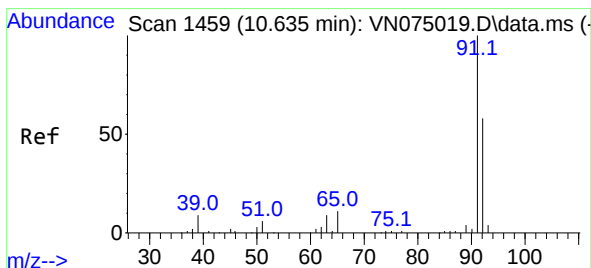
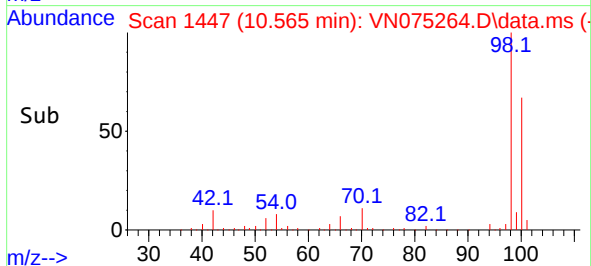
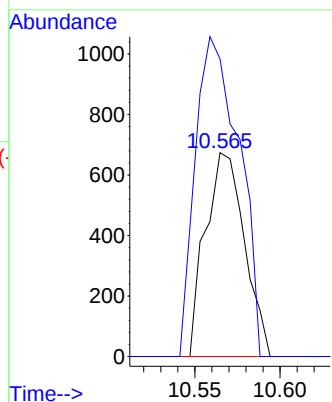
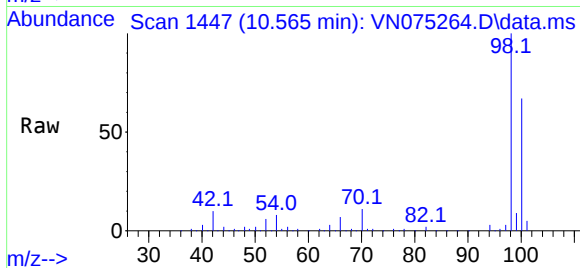




#51
4-Methyl-2-Pentanone
Concen: 0.459 ug/l
RT: 10.565 min Scan# 1427
Delta R.T. 0.118 min
Lab File: VN075264.D
Acq: 14 Nov 2022 14:40

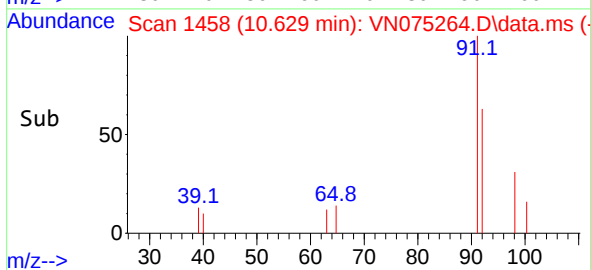
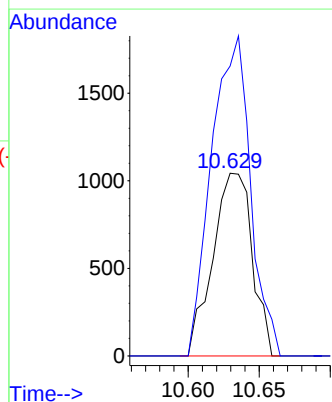
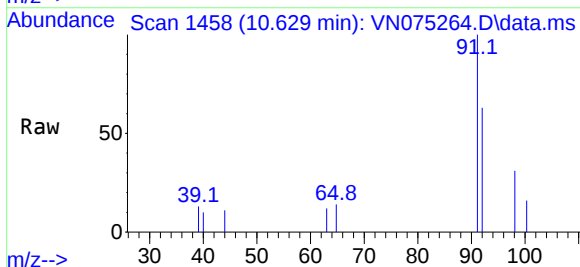
Instrument :
MSVOA_N
ClientSampleId :
31604

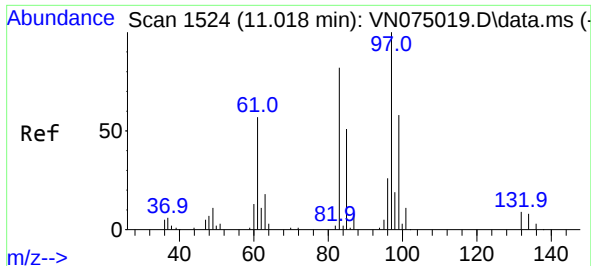
Tgt Ion: 43 Resp: 1074
Ion Ratio Lower Upper
43 100
58 175.4 33.6 50.4#



#52
Toluene
Concen: 0.461 ug/l
RT: 10.629 min Scan# 1458
Delta R.T. -0.006 min
Lab File: VN075264.D
Acq: 14 Nov 2022 14:40

Tgt Ion: 92 Resp: 2012
Ion Ratio Lower Upper
92 100
91 173.3 135.4 203.2

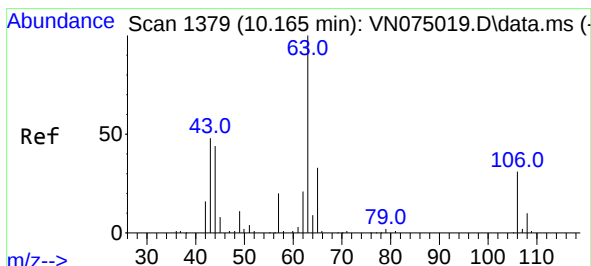
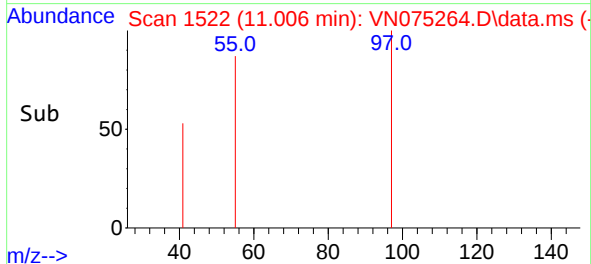
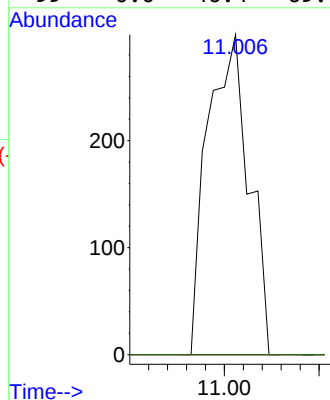
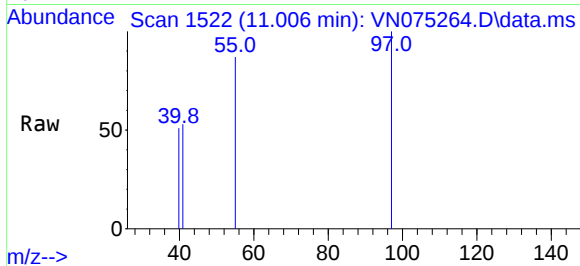




#55
1,1,2-Trichloroethane
Concen: 0.263 ug/l
RT: 11.006 min Scan# 11
Delta R.T. -0.012 min
Lab File: VN075264.D
Acq: 14 Nov 2022 14:40

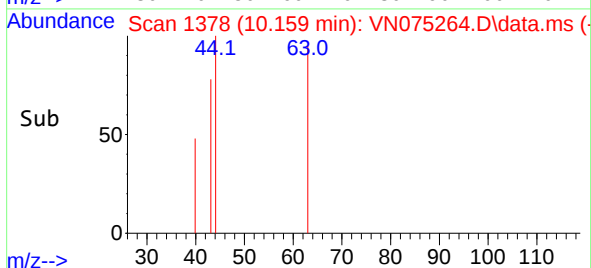
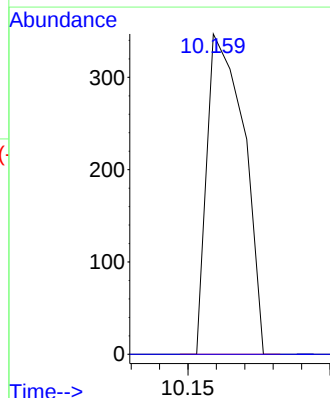
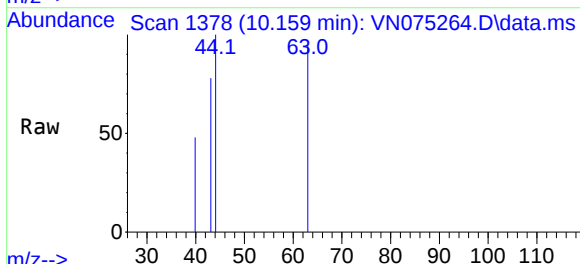
Instrument :
MSVOA_N
ClientSampleId :
31604

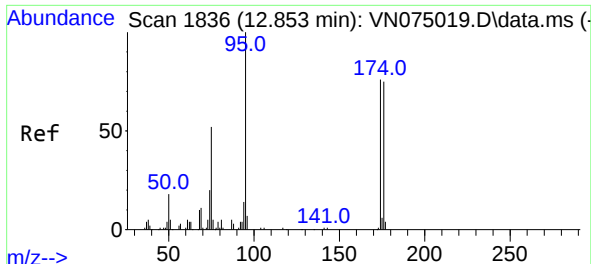
Tgt Ion: 97	Resp: 455
Ion Ratio	Lower Upper
97 100	
83 0.0	65.9 98.9#
85 0.0	40.4 60.6#
99 0.0	46.4 69.6#



#58
2-Chloroethyl Vinyl ether
Concen: 0.308 ug/l
RT: 10.159 min Scan# 1378
Delta R.T. -0.006 min
Lab File: VN075264.D
Acq: 14 Nov 2022 14:40

Tgt Ion: 63	Resp:	314	
Ion Ratio	Lower	Upper	
63 100			
106 0.0	24.8	37.2#	

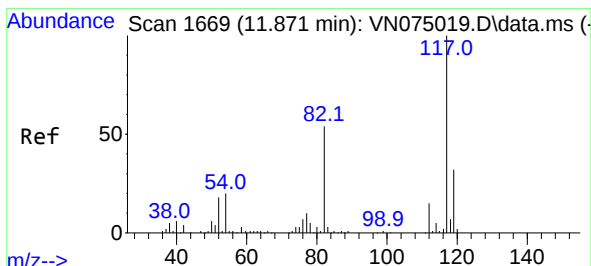
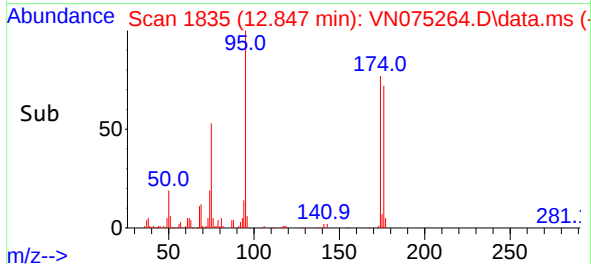
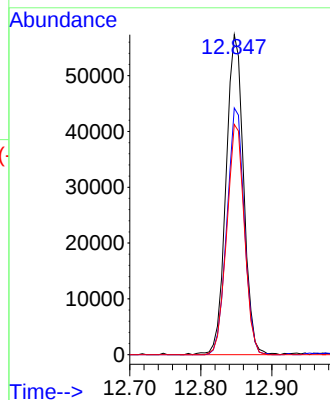
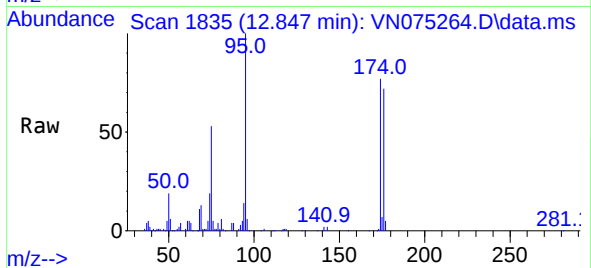




#62
4-Bromofluorobenzene
Concen: 52.468 ug/l
RT: 12.847 min Scan# 11
Delta R.T. -0.006 min
Lab File: VN075264.D
Acq: 14 Nov 2022 14:40

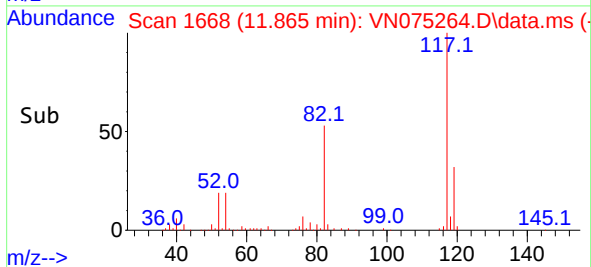
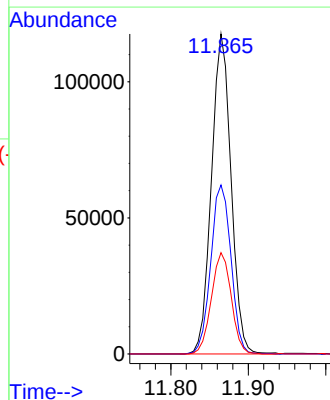
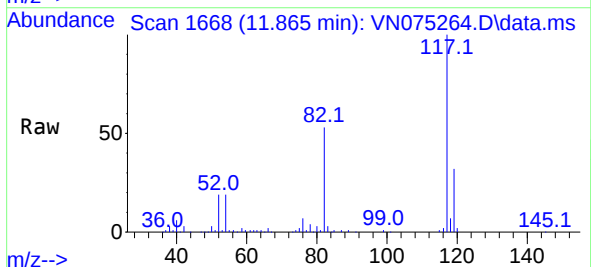
Instrument :
MSVOA_N
ClientSampleId :
31604

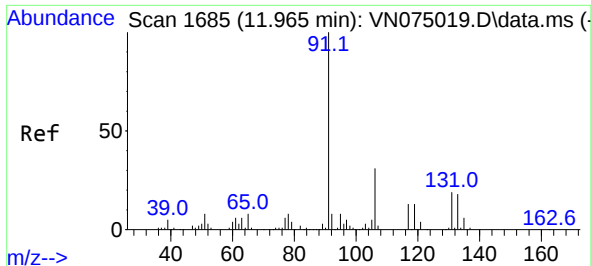
Tgt Ion: 95 Resp: 98454
Ion Ratio Lower Upper
95 100
174 75.9 0.0 147.4
176 71.7 0.0 142.2



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 1668
Delta R.T. -0.006 min
Lab File: VN075264.D
Acq: 14 Nov 2022 14:40

Tgt Ion: 117 Resp: 206831
Ion Ratio Lower Upper
117 100
82 52.8 43.1 64.7
119 31.6 25.5 38.3

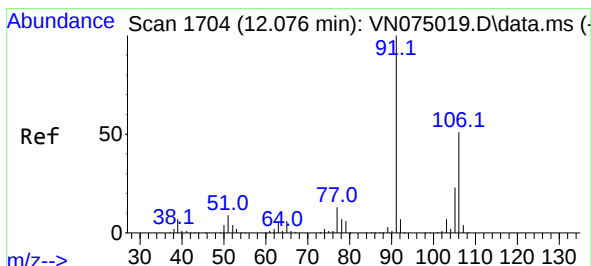
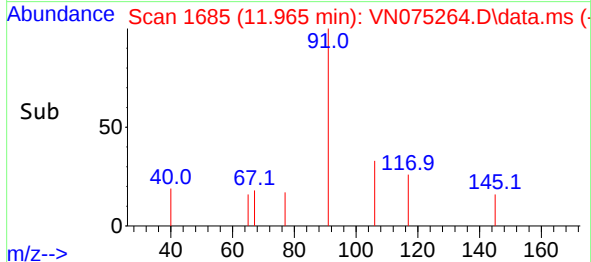
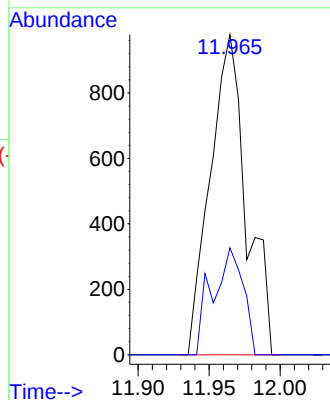
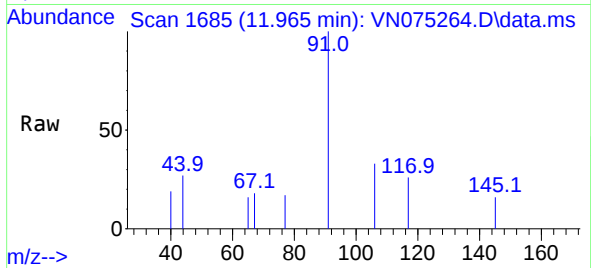




#67
Ethyl Benzene
Concen: 0.217 ug/l
RT: 11.965 min Scan# 1103
Delta R.T. -0.000 min
Lab File: VN075264.D
Acq: 14 Nov 2022 14:40

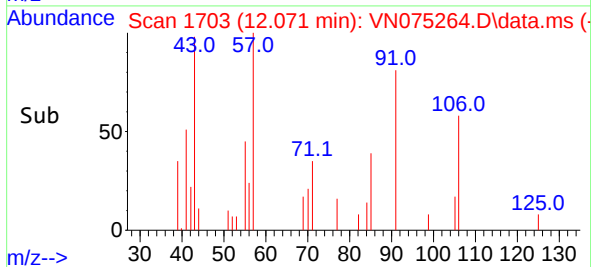
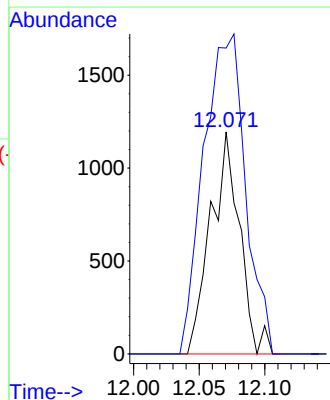
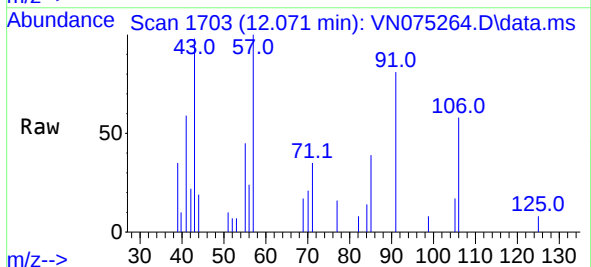
Instrument :
MSVOA_N
ClientSampleId :
31604

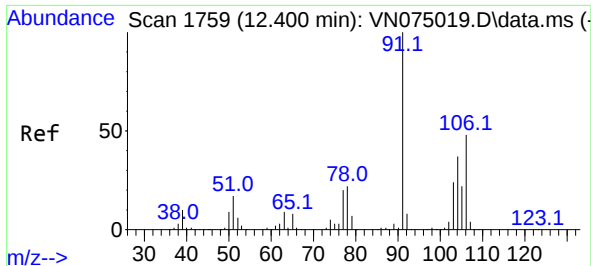
Tgt Ion: 91 Resp: 1726
Ion Ratio Lower Upper
91 100
106 33.4 24.9 37.3



#68
m/p-Xylenes
Concen: 0.575 ug/l
RT: 12.071 min Scan# 1703
Delta R.T. -0.005 min
Lab File: VN075264.D
Acq: 14 Nov 2022 14:40

Tgt Ion: 106 Resp: 1831
Ion Ratio Lower Upper
106 100
91 208.1 156.0 234.0

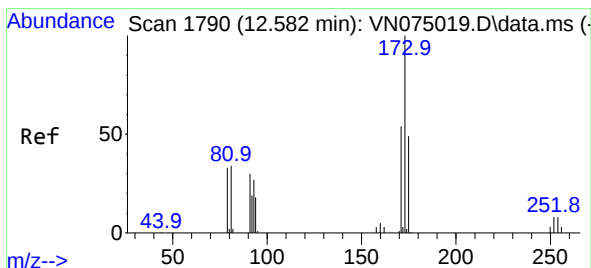
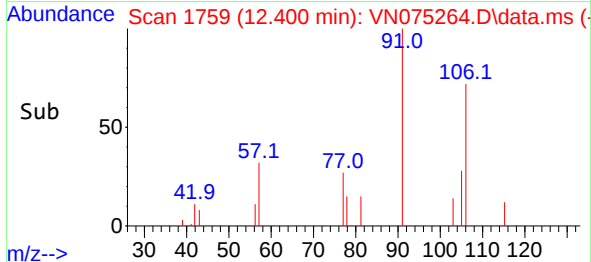
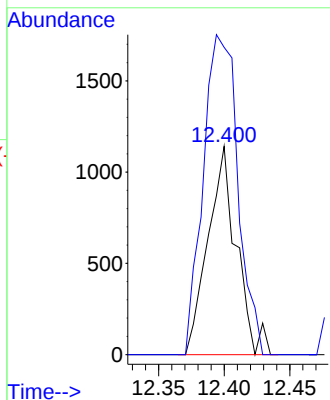
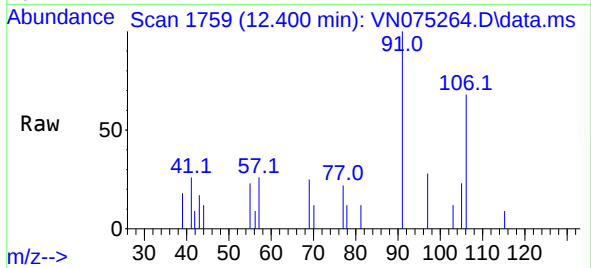




#69
o-Xylene
Concen: 0.545 ug/l
RT: 12.400 min Scan# 11
Delta R.T. -0.000 min
Lab File: VN075264.D
Acq: 14 Nov 2022 14:40

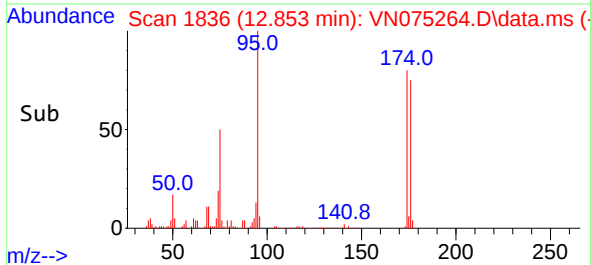
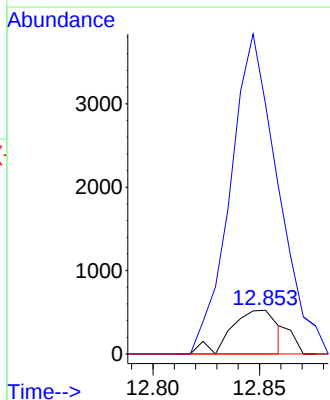
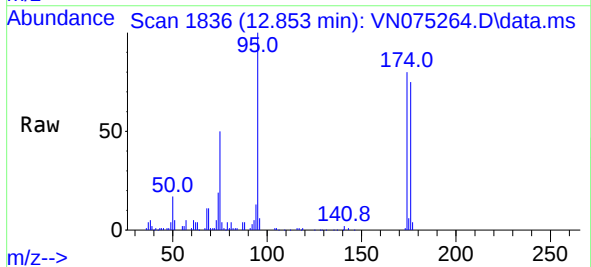
Instrument :
MSVOA_N
ClientSampleId :
31604

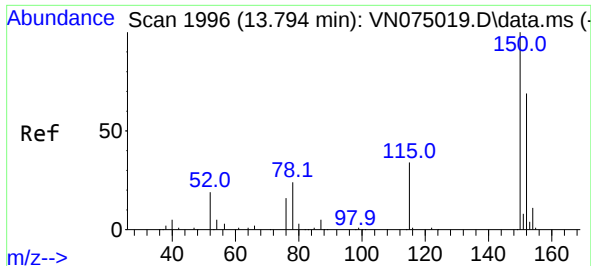
Tgt Ion:106 Resp: 1718
Ion Ratio Lower Upper
106 100
91 187.5 105.2 315.5



#71
Bromoform
Concen: 0.644 ug/l
RT: 12.853 min Scan# 1836
Delta R.T. 0.271 min
Lab File: VN075264.D
Acq: 14 Nov 2022 14:40

Tgt Ion:173 Resp: 790
Ion Ratio Lower Upper
173 100
175 667.0 24.6 74.0#
254 0.0 0.0 0.0





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.788 min Scan# 1995

Delta R.T. -0.006 min

Lab File: VN075264.D

Acq: 14 Nov 2022 14:40

Instrument :

MSVOA_N

ClientSampleId :

31604

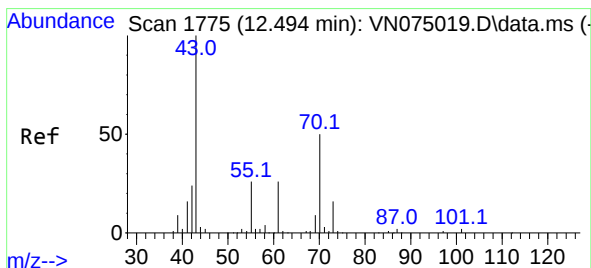
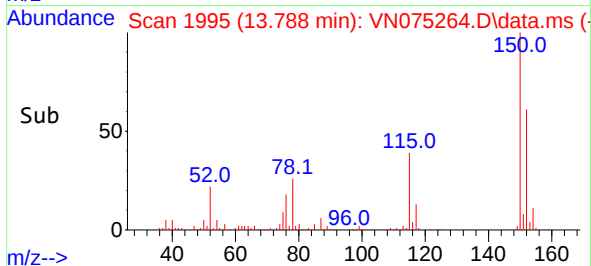
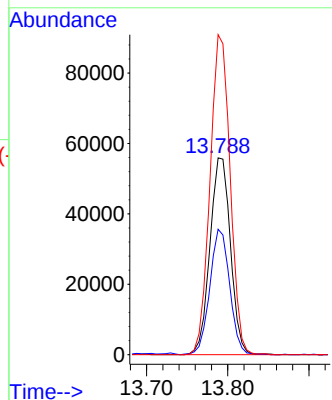
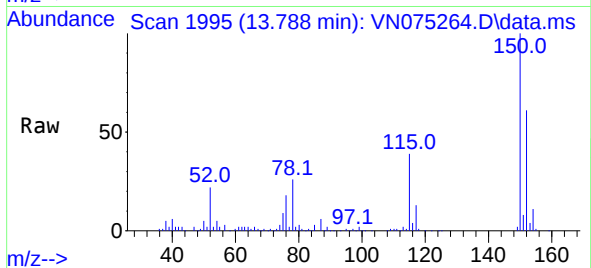
Tgt Ion:152 Resp: 98236

Ion Ratio Lower Upper

152 100

115 61.7 30.2 90.6

150 159.3 0.0 348.4



#74

N-ethyl acetate

Concen: 0.832 ug/l

RT: 12.476 min Scan# 1772

Delta R.T. -0.018 min

Lab File: VN075264.D

Acq: 14 Nov 2022 14:40

Tgt Ion: 43 Resp: 2428

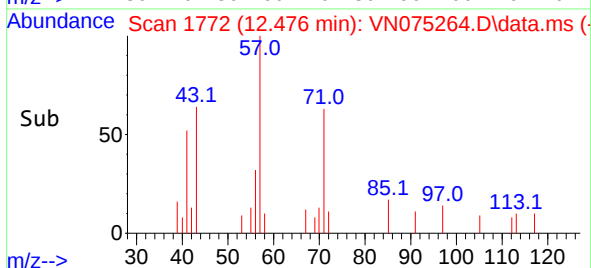
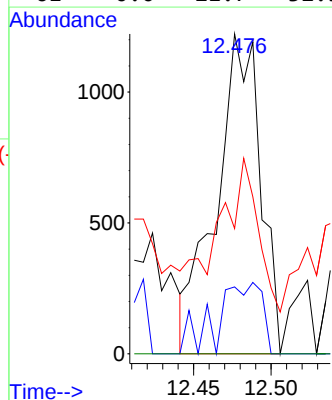
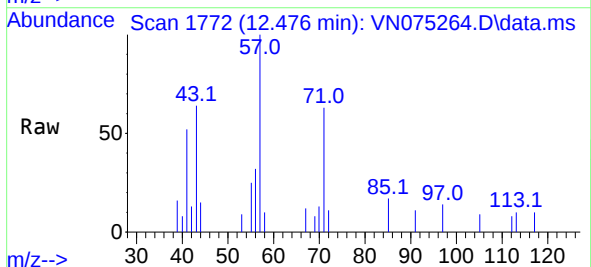
Ion Ratio Lower Upper

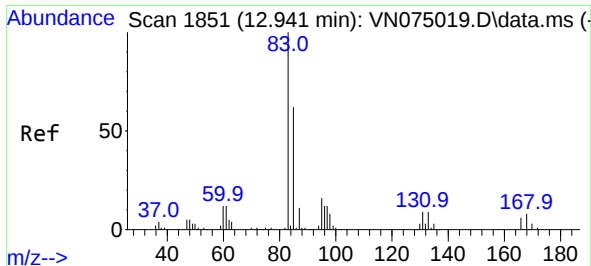
43 100

70 20.7 39.8 59.8#

55 35.4 19.9 29.9#

61 0.0 21.7 32.5#

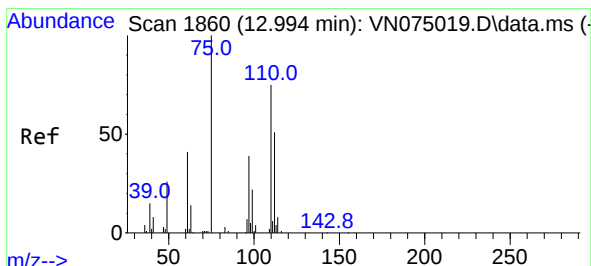
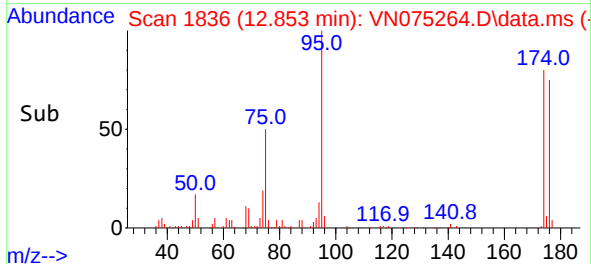
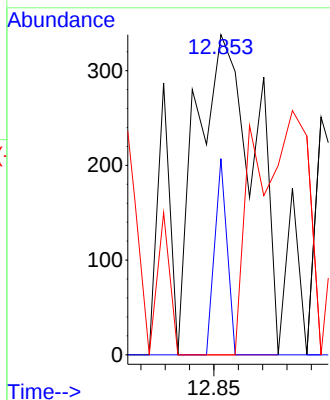
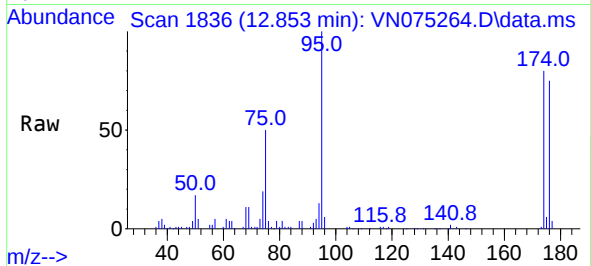




#75
1,1,2-Tetrachloroethane
Concen: Below Cal
RT: 12.853 min Scan# 1836
Delta R.T. -0.088 min
Lab File: VN075264.D
Acq: 14 Nov 2022 14:40

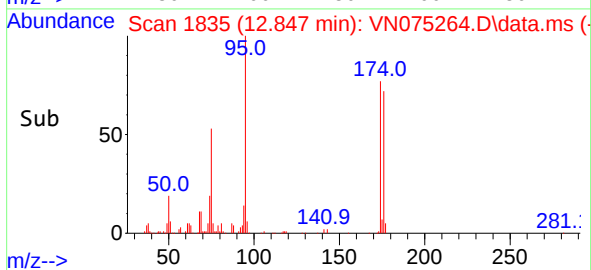
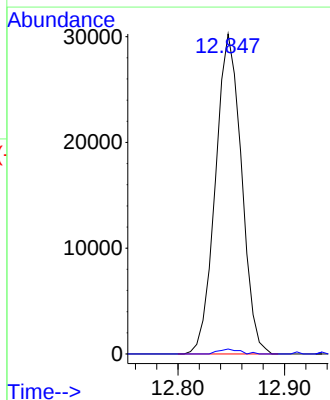
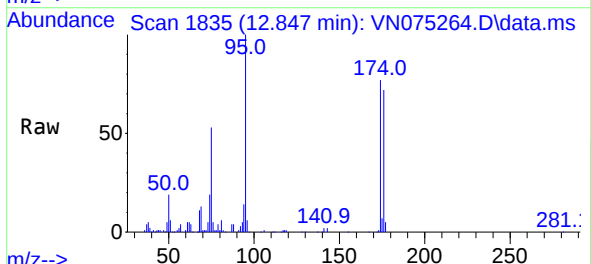
Instrument :
MSVOA_N
ClientSampleId :
31604

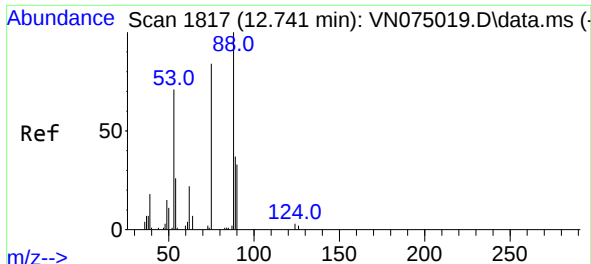
Tgt Ion: 83 Resp: 564
Ion Ratio Lower Upper
83 100
131 12.9 5.1 15.3
85 38.1 31.6 94.7



#76
1,2,3-Trichloropropane
Concen: 24.605 ug/l
RT: 12.847 min Scan# 1835
Delta R.T. -0.147 min
Lab File: VN075264.D
Acq: 14 Nov 2022 14:40

Tgt Ion: 75 Resp: 51322
Ion Ratio Lower Upper
75 100
77 1.3 75.6 226.8#

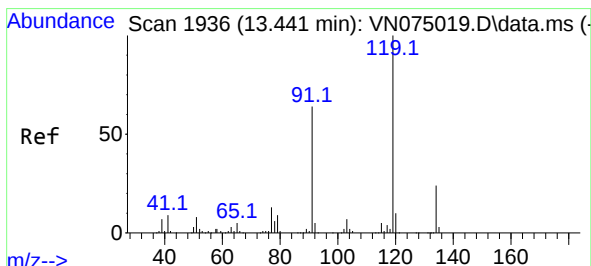
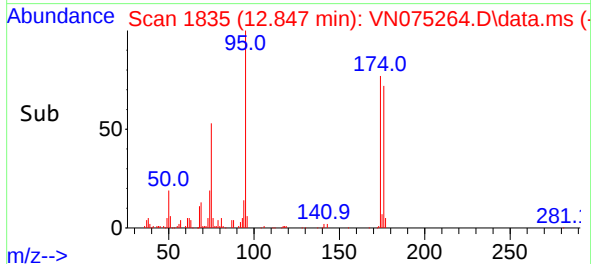
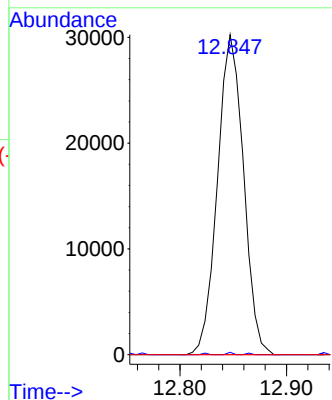
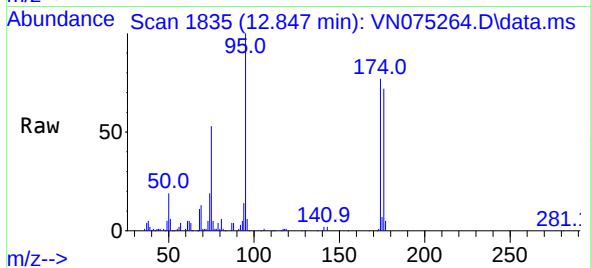




#81
trans-1,4-Dichloro-2-butene
Concen: 63.162 ug/l
RT: 12.847 min Scan# 11
Delta R.T. 0.106 min
Lab File: VN075264.D
Acq: 14 Nov 2022 14:40

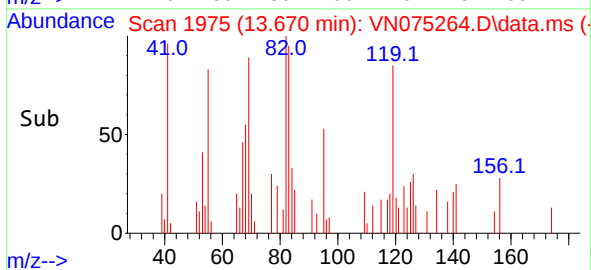
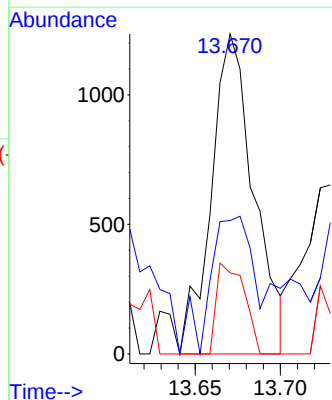
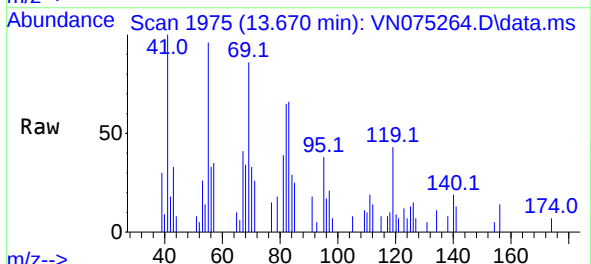
Instrument :
MSVOA_N
ClientSampleId :
31604

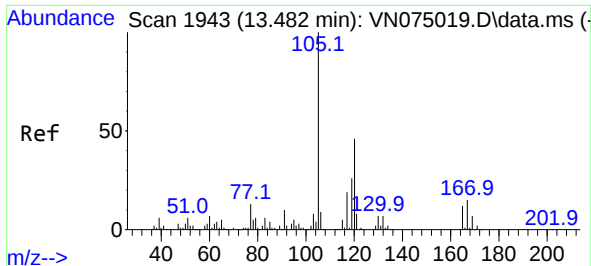
Tgt Ion: 75 Resp: 51322
Ion Ratio Lower Upper
75 100
53 0.2 78.5 117.7#
89 0.0 37.7 56.5#



#83
tert-Butylbenzene
Concen: 0.366 ug/l
RT: 13.670 min Scan# 1975
Delta R.T. 0.229 min
Lab File: VN075264.D
Acq: 14 Nov 2022 14:40

Tgt Ion: 119 Resp: 2156
Ion Ratio Lower Upper
119 100
91 51.9 32.8 98.4
134 18.5 12.3 36.9

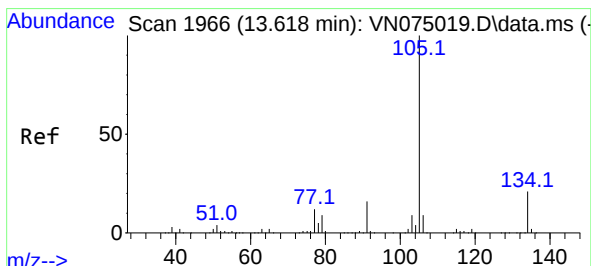
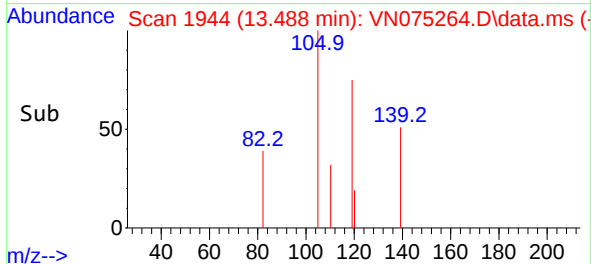
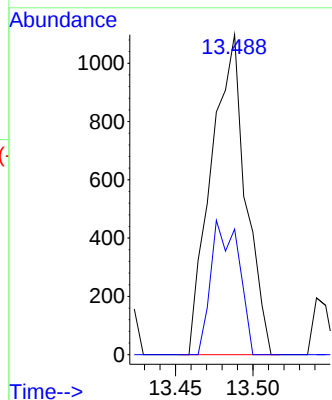
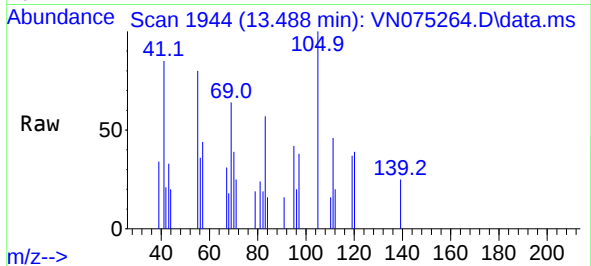




#84
1,2,4-Trimethylbenzene
Concen: 0.254 ug/l
RT: 13.488 min Scan# 1943
Delta R.T. 0.006 min
Lab File: VN075264.D
Acq: 14 Nov 2022 14:40

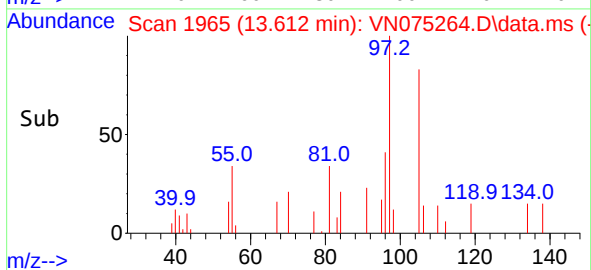
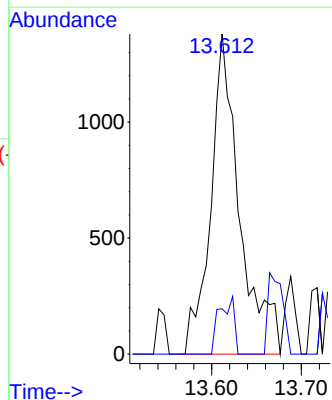
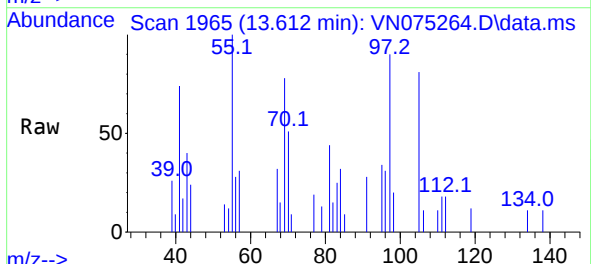
Instrument :
MSVOA_N
ClientSampleId :
31604

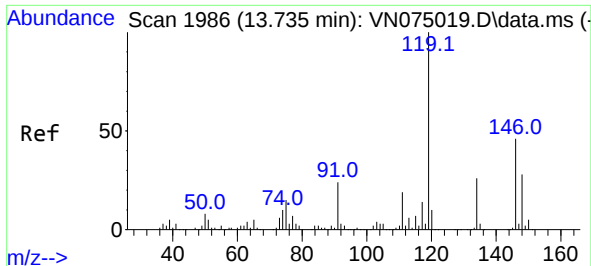
Tgt Ion:105 Resp: 1700
Ion Ratio Lower Upper
105 100
120 33.8 22.7 68.1



#85
sec-Butylbenzene
Concen: 0.375 ug/l
RT: 13.612 min Scan# 1965
Delta R.T. -0.006 min
Lab File: VN075264.D
Acq: 14 Nov 2022 14:40

Tgt Ion:105 Resp: 3085
Ion Ratio Lower Upper
105 100
134 9.2 10.2 30.6#

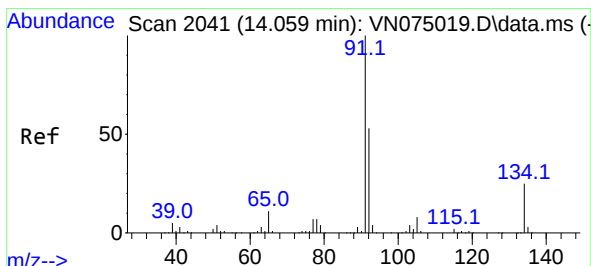
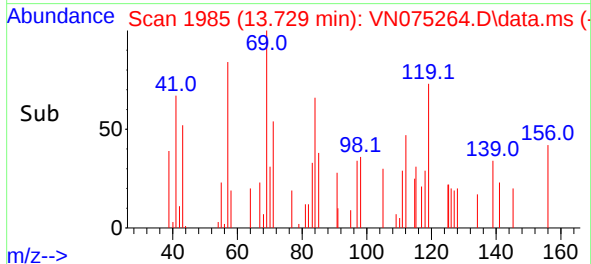
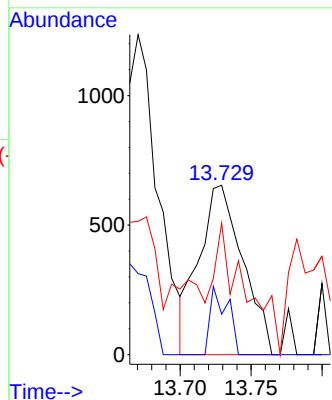
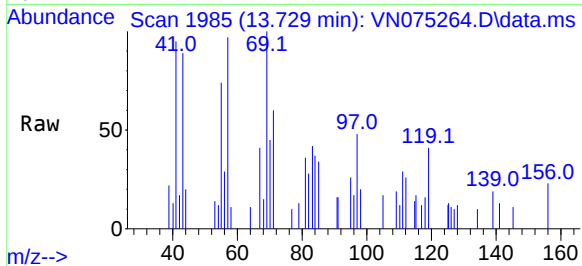




#86
p-Isopropyltoluene
Concen: 0.207 ug/l
RT: 13.729 min Scan# 1986
Delta R.T. -0.006 min
Lab File: VN075264.D
Acq: 14 Nov 2022 14:40

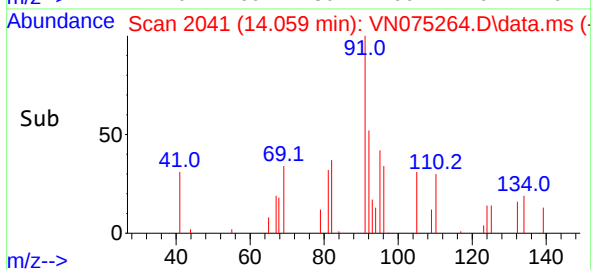
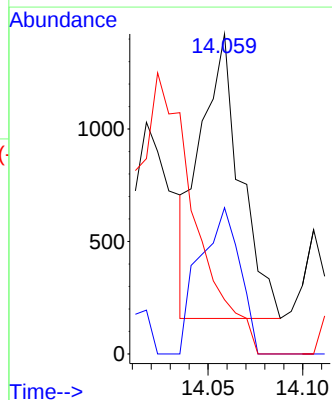
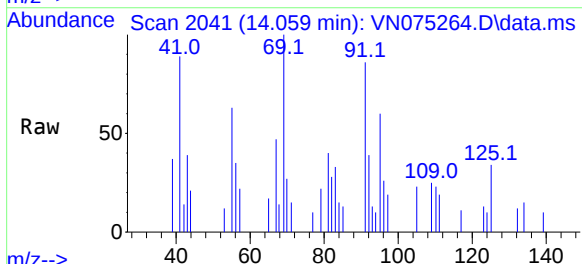
Instrument :
MSVOA_N
ClientSampleId :
31604

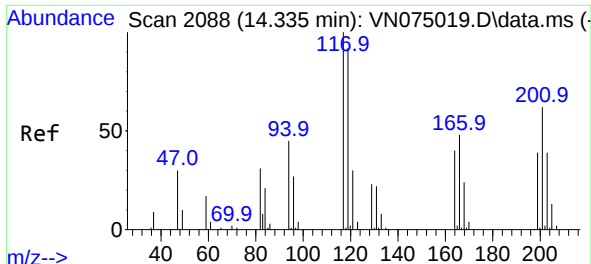
Tgt Ion:119 Resp: 1410
Ion Ratio Lower Upper
119 100
134 15.8 13.1 39.3
91 55.5 11.9 35.5#



#89
n-Butylbenzene
Concen: 0.341 ug/l
RT: 14.059 min Scan# 2041
Delta R.T. -0.000 min
Lab File: VN075264.D
Acq: 14 Nov 2022 14:40

Tgt Ion: 91 Resp: 1869
Ion Ratio Lower Upper
91 100
92 51.5 26.5 79.4
134 0.0 13.0 39.0#

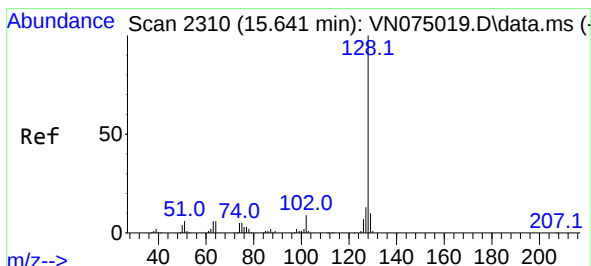
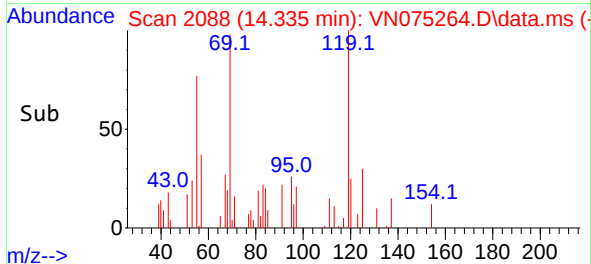
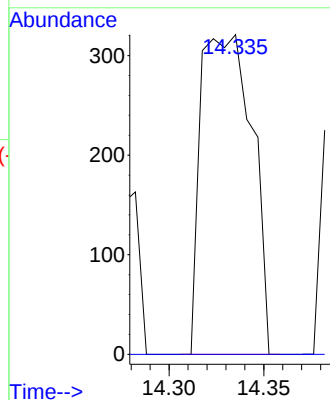
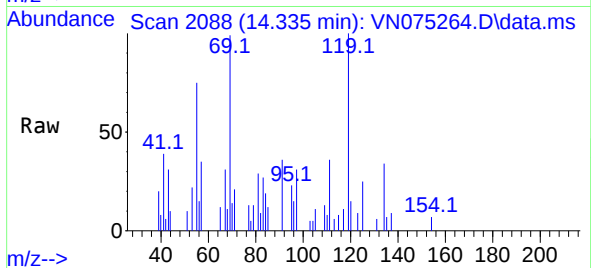




#90
Hexachloroethane
Concen: 0.483 ug/l
RT: 14.335 min Scan# 2088
Delta R.T. 0.000 min
Lab File: VN075264.D
Acq: 14 Nov 2022 14:40

Instrument :
MSVOA_N
ClientSampleId :
31604

Tgt Ion:117 Resp: 602
Ion Ratio Lower Upper
117 100
201 0.0 31.5 94.5#



#95
Naphthalene
Concen: 0.349 ug/l
RT: 15.641 min Scan# 2310
Delta R.T. -0.000 min
Lab File: VN075264.D
Acq: 14 Nov 2022 14:40

Tgt Ion:128 Resp: 1950
Ion Ratio Lower Upper
128 100
127 10.9 10.4 15.6
129 19.8 8.6 12.8#

