

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN112024\
 Data File : VN084969.D
 Acq On : 20 Nov 2024 15:21
 Operator : JC\MD
 Sample : P4845-12RE
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Nov 21 00:39:47 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N103024W.M
 Quant Title : SW846 8260
 QLast Update : Thu Oct 31 18:45:38 2024
 Response via : Initial Calibration

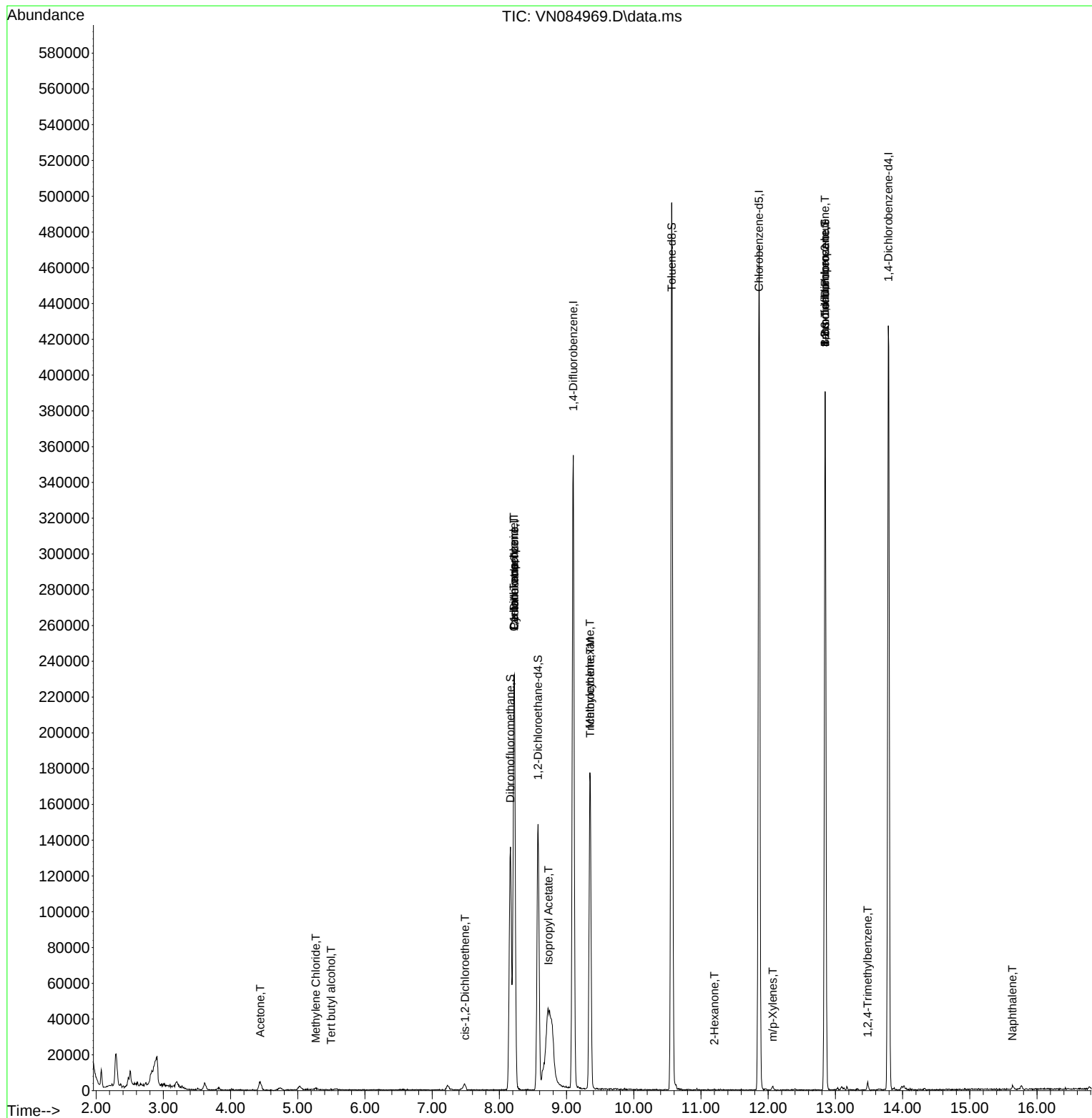
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	8.224	168	167675	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	301208	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	267303	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	118493	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.577	65	124659	51.474	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	= 102.940%	
35) Dibromofluoromethane	8.165	113	98680	48.401	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 96.800%	
50) Toluene-d8	10.565	98	344454	45.864	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	= 91.720%	
62) 4-Bromofluorobenzene	12.847	95	137485	48.982	ug/l	0.00
Spiked Amount	50.000	Range	77 - 121	Recovery	= 97.960%	
Target Compounds						Qvalue
3) Chloromethane	2.359	50	641	Below Cal	#	41
6) Chloroethane	3.101	64	183	Below Cal	#	45
11) Tert butyl alcohol	5.494	59	80	0.250	ug/l #	73
16) Acetone	4.442	43	7486	7.939	ug/l	98
18) Methyl Acetate	5.018	43	4652	Below Cal		94
20) Methylene Chloride	5.271	84	442	0.208	ug/l #	68
27) cis-1,2-Dichloroethene	7.488	96	2313	1.010	ug/l	72
31) Cyclohexane	8.224	56	3619	1.082	ug/l #	1
36) 1,1-Dichloropropene	8.218	75	13352	4.722	ug/l #	51
38) Carbon Tetrachloride	8.218	117	18732	5.927	ug/l #	15
39) Methylcyclohexane	9.347	83	1022	0.355	ug/l #	1
43) Isopropyl Acetate	8.730	43	123139	25.509	ug/l #	56
44) Trichloroethene	9.353	130	63672	30.404	ug/l	97
59) 2-Hexanone	11.200	43	412	0.231	ug/l #	24
68) m/p-Xylenes	12.071	106	845	0.224	ug/l	84
71) Bromoform	12.847	173	699	0.447	ug/l #	1
76) 1,2,3-Trichloropropane	12.847	75	70227	29.649	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.847	75	70227	70.339	ug/l #	11
84) 1,2,4-Trimethylbenzene	13.482	105	2914	0.410	ug/l	100
88) 1,4-Dichlorobenzene	13.812	146	450	Below Cal	#	24
95) Naphthalene	15.635	128	2575	0.375	ug/l #	74

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

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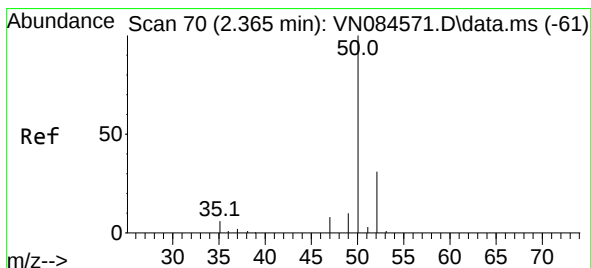
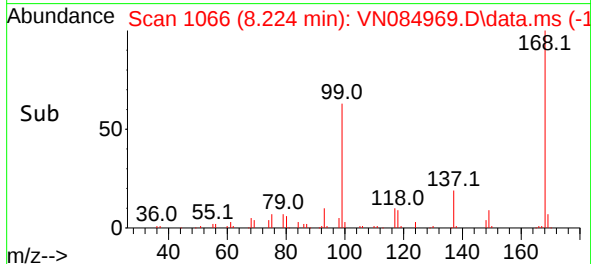
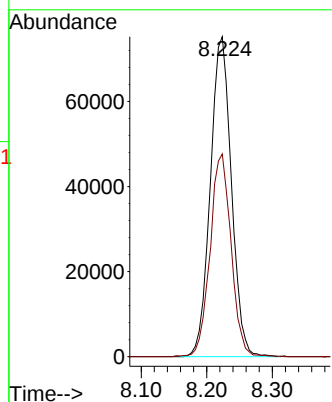
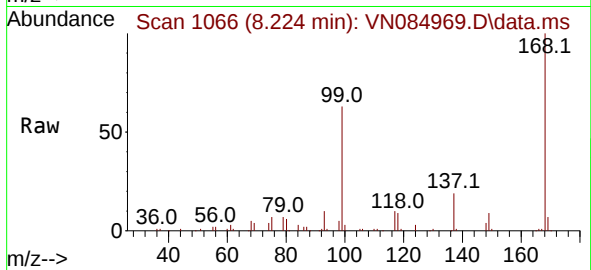




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.224 min Scan# 10
Delta R.T. -0.000 min
Lab File: VN084969.D
Acq: 20 Nov 2024 15:21

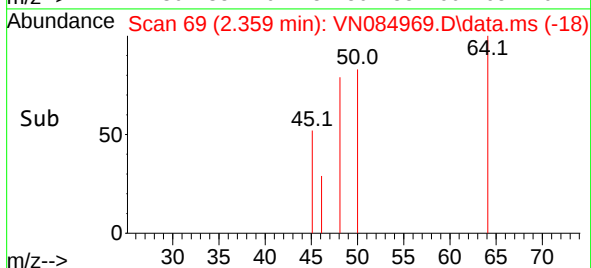
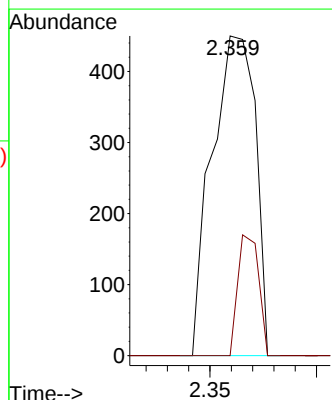
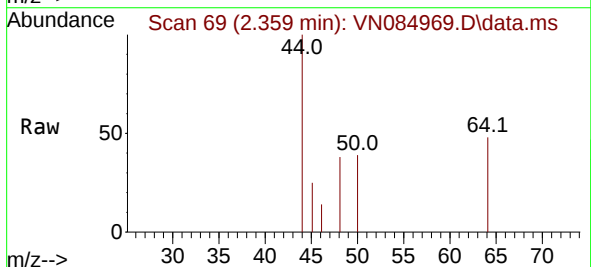
Instrument :
MSVOA_N
ClientSampleId :

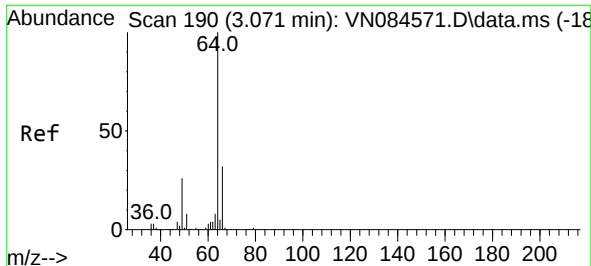
Tgt Ion:168 Resp: 167675
Ion Ratio Lower Upper
168 100
99 63.1 54.2 81.2



#3
Chloromethane
Concen: Below Cal
RT: 2.359 min Scan# 69
Delta R.T. 0.000 min
Lab File: VN084969.D
Acq: 20 Nov 2024 15:21

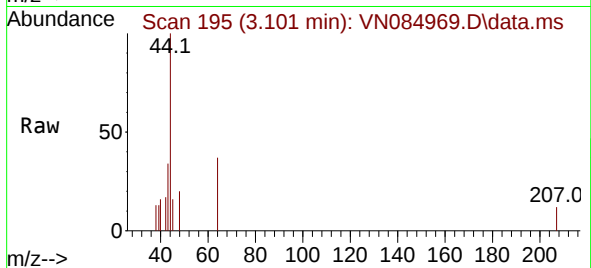
Tgt Ion: 50 Resp: 641
Ion Ratio Lower Upper
50 100
52 0.0 26.8 40.2#



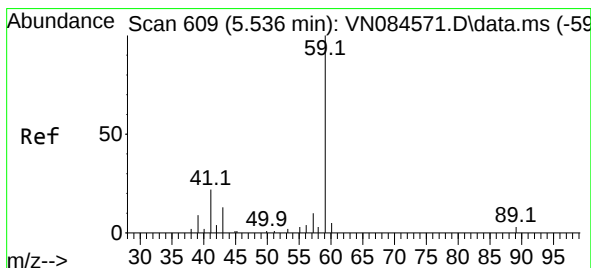
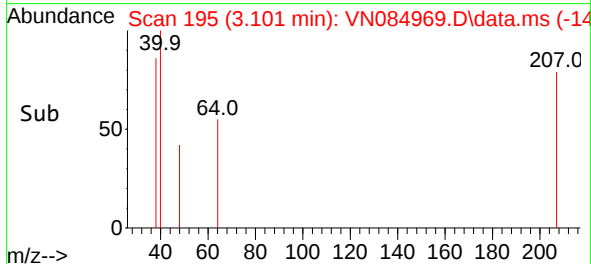
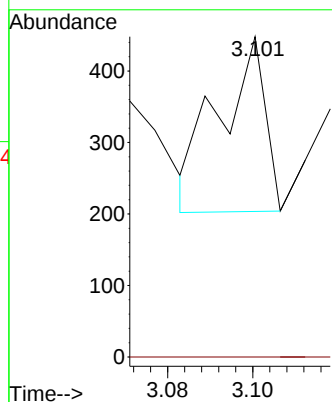


#6
Chloroethane
Concen: Below Cal
RT: 3.101 min Scan# 190
Delta R.T. -0.017 min
Lab File: VN084969.D
Acq: 20 Nov 2024 15:21

Instrument :
MSVOA_N
ClientSampleId :

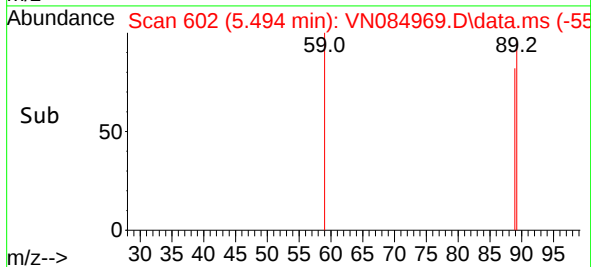
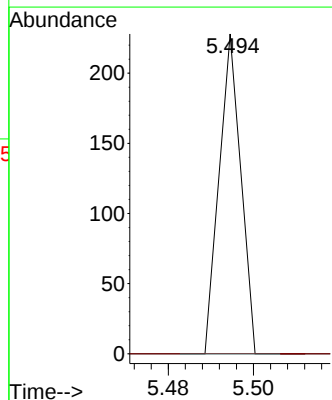
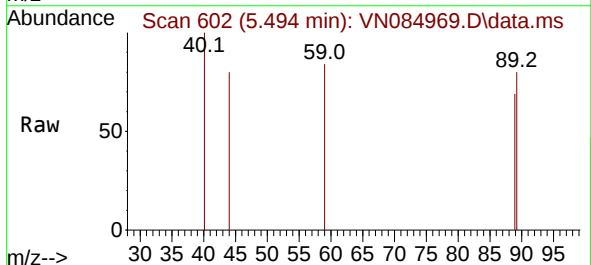


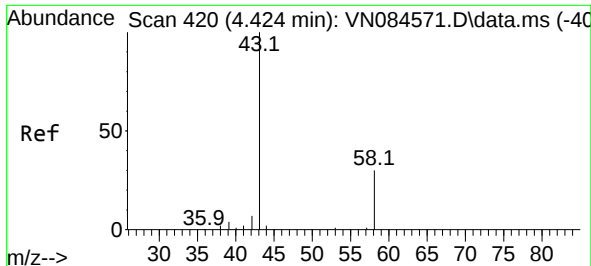
Tgt Ion: 64 Resp: 183
Ion Ratio Lower Upper
64 100
66 0.0 23.5 35.3#



#11
Tert butyl alcohol
Concen: 0.250 ug/l
RT: 5.494 min Scan# 602
Delta R.T. -0.029 min
Lab File: VN084969.D
Acq: 20 Nov 2024 15:21

Tgt Ion: 59 Resp: 80
Ion Ratio Lower Upper
59 100
57 0.0 8.2 12.2#

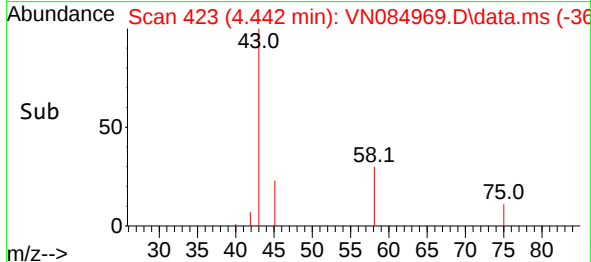
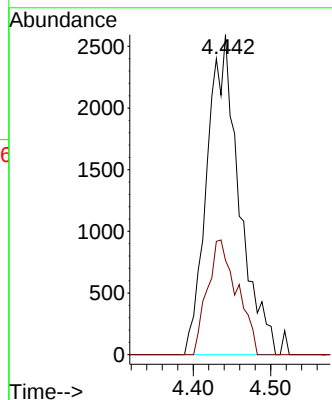
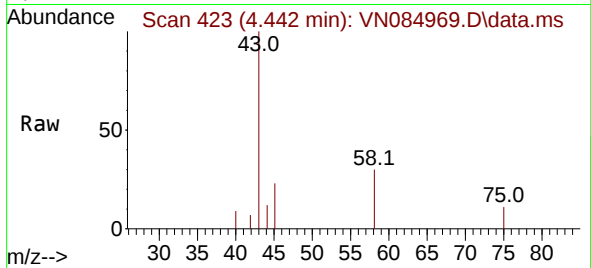




#16
Acetone
Concen: 7.939 ug/l
RT: 4.442 min Scan# 41
Delta R.T. 0.018 min
Lab File: VN084969.D
Acq: 20 Nov 2024 15:21

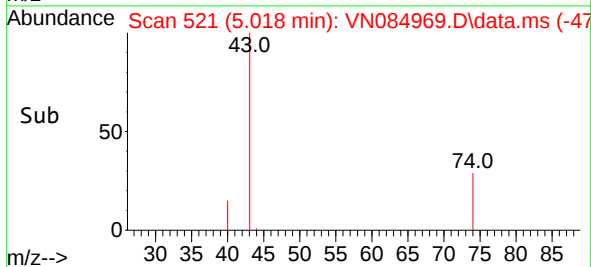
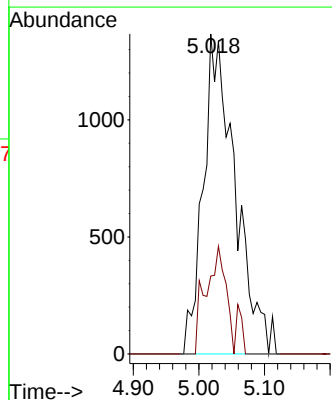
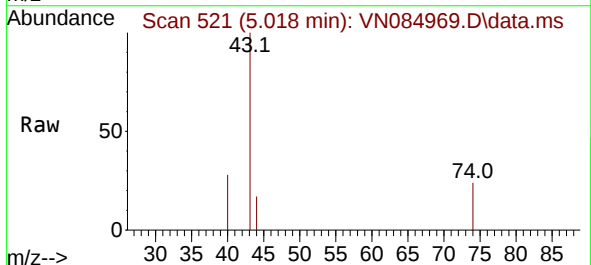
Instrument :
MSVOA_N
ClientSampleId :

Tgt Ion: 43 Resp: 7486
Ion Ratio Lower Upper
43 100
58 29.5 24.4 36.6



#18
Methyl Acetate
Concen: Below Cal
RT: 5.018 min Scan# 521
Delta R.T. 0.000 min
Lab File: VN084969.D
Acq: 20 Nov 2024 15:21

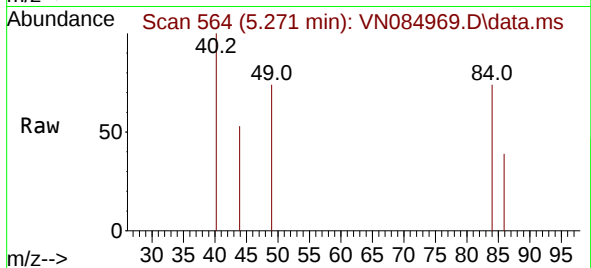
Tgt Ion: 43 Resp: 4652
Ion Ratio Lower Upper
43 100
74 21.0 19.2 28.8



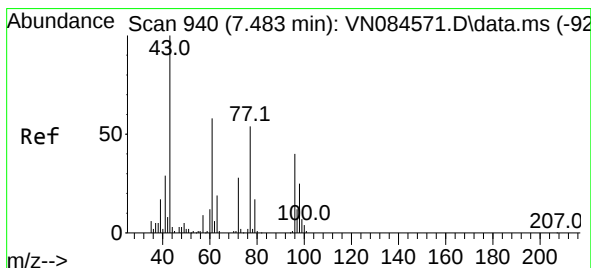
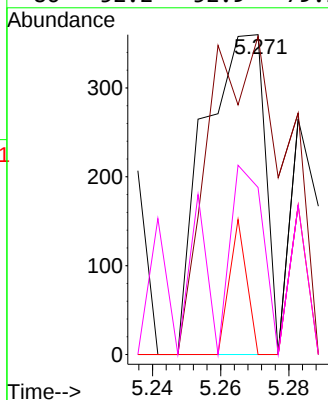
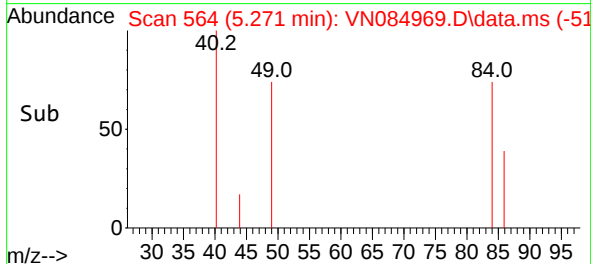


#20
Methylene Chloride
Concen: 0.208 ug/l
RT: 5.271 min Scan# 51
Delta R.T. -0.006 min
Lab File: VN084969.D
Acq: 20 Nov 2024 15:21

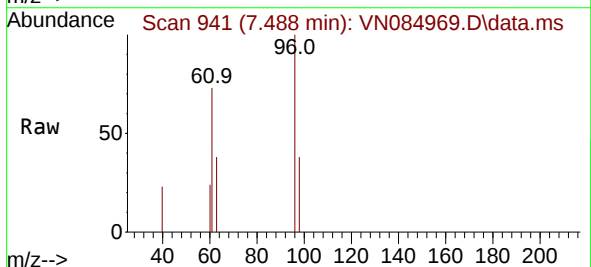
Instrument :
MSVOA_N
ClientSampleId :



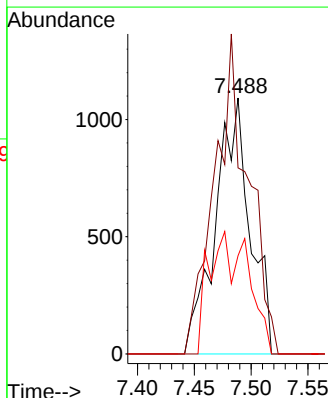
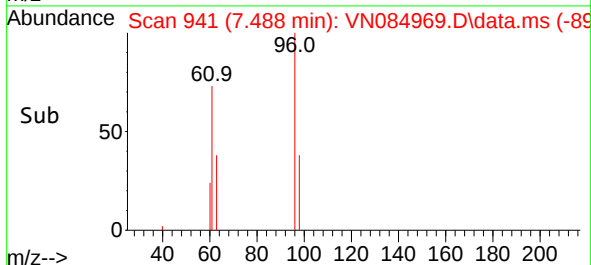
Tgt Ion:	84	Resp:	442
Ion	Ratio	Lower	Upper
84	100		
49	99.4	107.2	160.8#
51	0.0	31.8	47.8#
86	52.2	52.9	79.3#

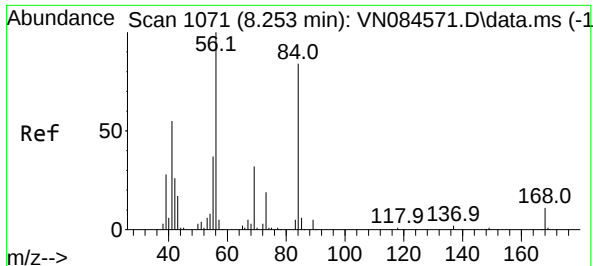


#27
cis-1,2-Dichloroethene
Concen: 1.010 ug/l
RT: 7.488 min Scan# 941
Delta R.T. 0.000 min
Lab File: VN084969.D
Acq: 20 Nov 2024 15:21



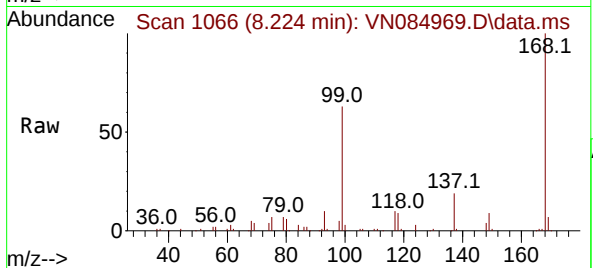
Tgt Ion:	96	Resp:	2313
Ion	Ratio	Lower	Upper
96	100		
61	122.5	0.0	301.8
98	30.8	0.0	128.2



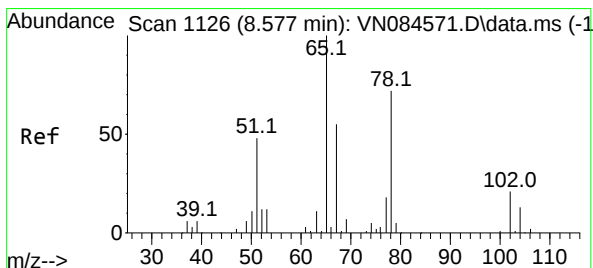
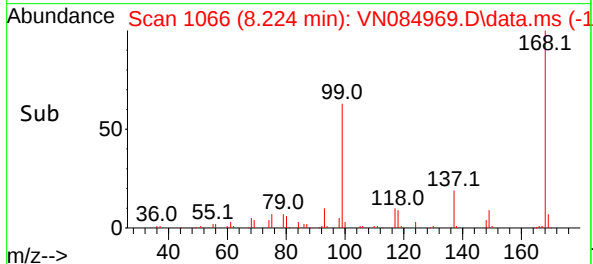
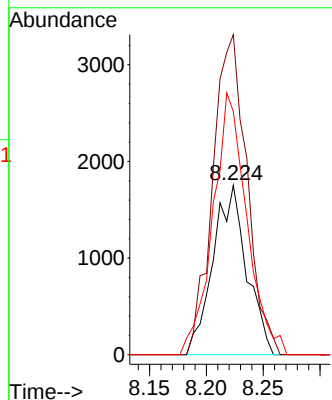


#31
Cyclohexane
Concen: 1.082 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. -0.029 min
Lab File: VN084969.D
Acq: 20 Nov 2024 15:21

Instrument :
MSVOA_N
ClientSampleId :

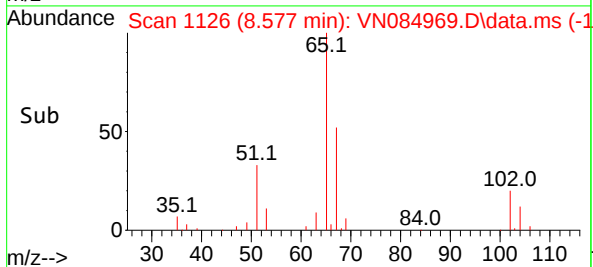
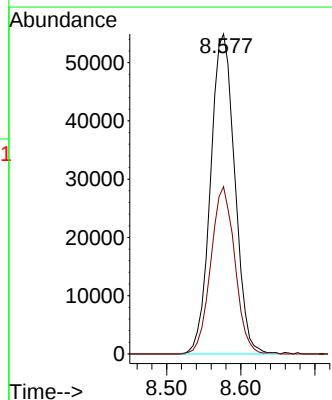
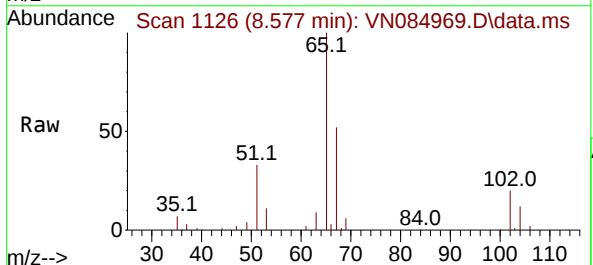


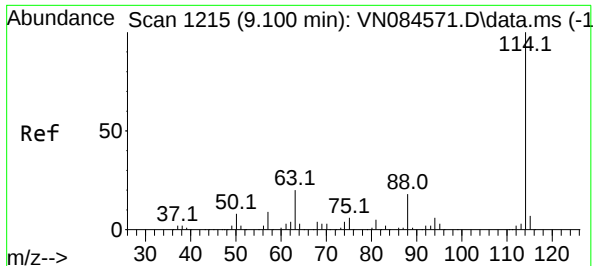
Tgt Ion: 56 Resp: 3619
Ion Ratio Lower Upper
56 100
69 188.8 23.8 35.6#
84 143.6 68.8 103.2#



#33
1,2-Dichloroethane-d4
Concen: 51.474 ug/l
RT: 8.577 min Scan# 1126
Delta R.T. -0.000 min
Lab File: VN084969.D
Acq: 20 Nov 2024 15:21

Tgt Ion: 65 Resp: 124659
Ion Ratio Lower Upper
65 100
67 52.0 0.0 102.0





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.100 min Scan# 11

Delta R.T. 0.000 min

Lab File: VN084969.D

Acq: 20 Nov 2024 15:21

Instrument :

MSVOA_N

ClientSampleId :

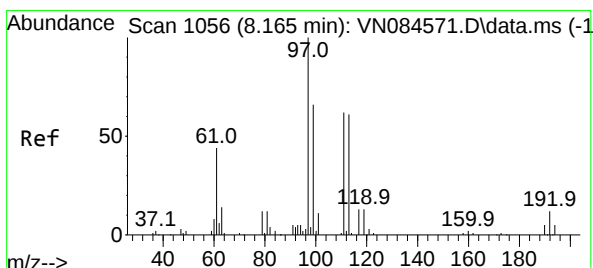
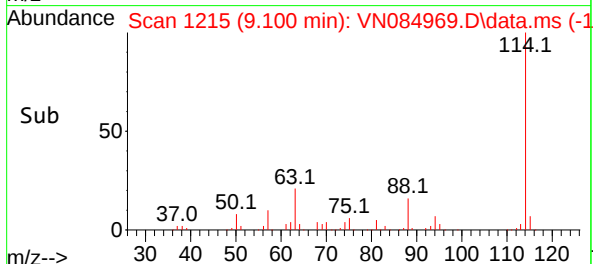
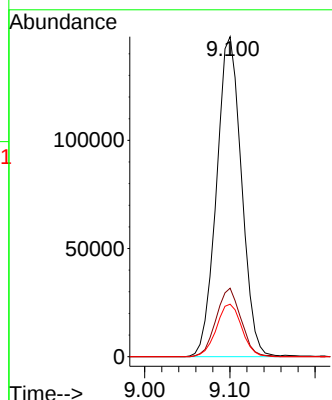
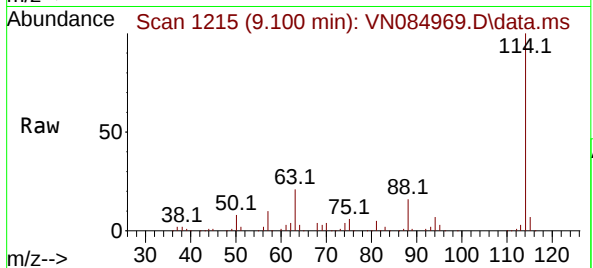
Tgt Ion:114 Resp: 301208

Ion Ratio Lower Upper

114 100

63 21.4 0.0 43.8

88 16.4 0.0 31.6



#35

Dibromofluoromethane

Concen: 48.401 ug/l

RT: 8.165 min Scan# 1056

Delta R.T. 0.000 min

Lab File: VN084969.D

Acq: 20 Nov 2024 15:21

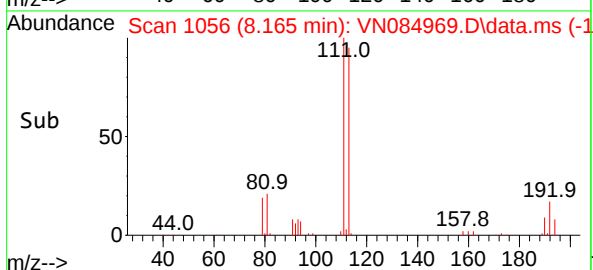
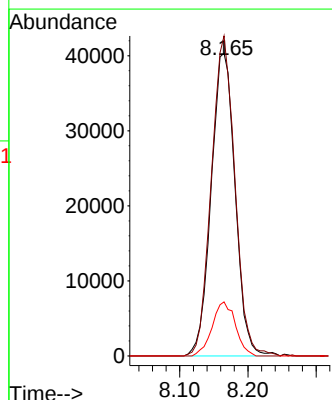
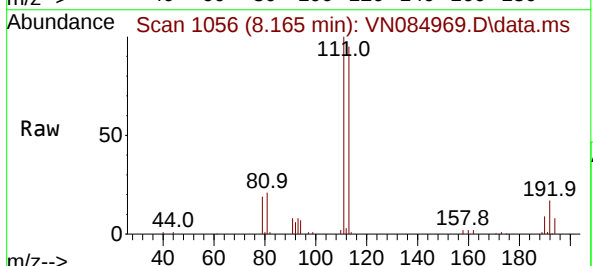
Tgt Ion:113 Resp: 98680

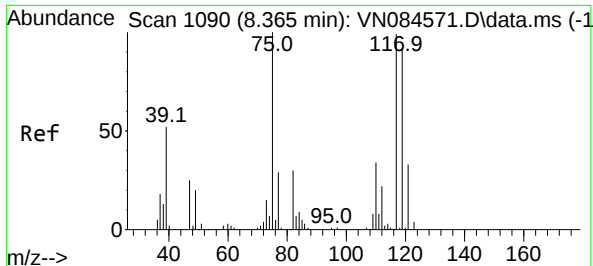
Ion Ratio Lower Upper

113 100

111 103.6 83.3 124.9

192 17.4 13.5 20.3





#36

1,1-Dichloropropene

Concen: 4.722 ug/l

RT: 8.218 min Scan# 1065

Delta R.T. -0.153 min

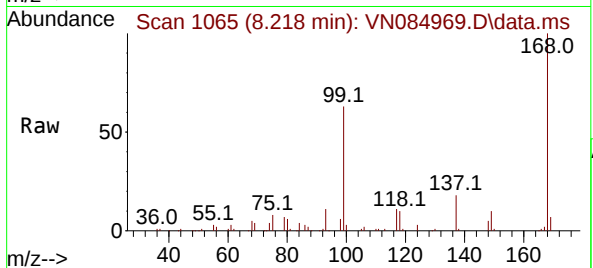
Lab File: VN084969.D

Acq: 20 Nov 2024 15:21

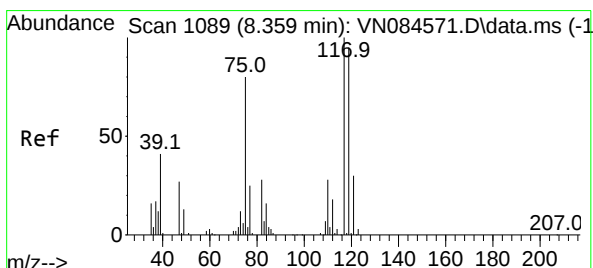
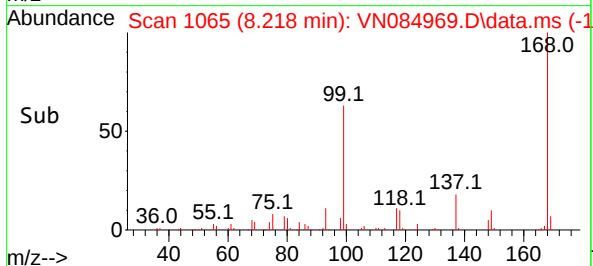
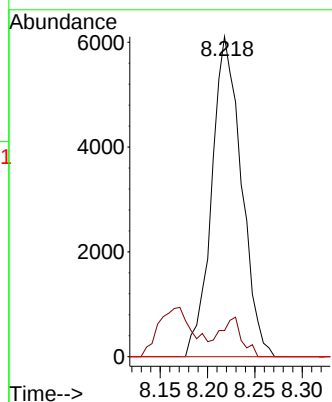
Instrument :

MSVOA_N

ClientSampleId :



Tgt Ion:	75	Resp:	13352
Ion Ratio	Lower	Upper	
75	100		
110	9.2	16.9	50.7#
77	0.0	24.7	37.1#



#38

Carbon Tetrachloride

Concen: 5.927 ug/l

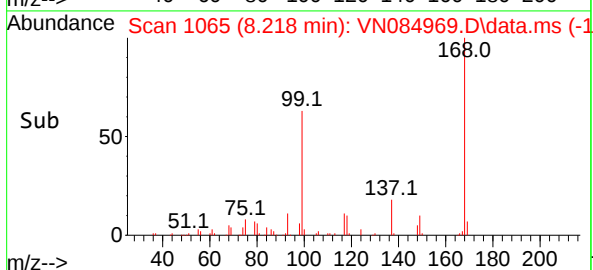
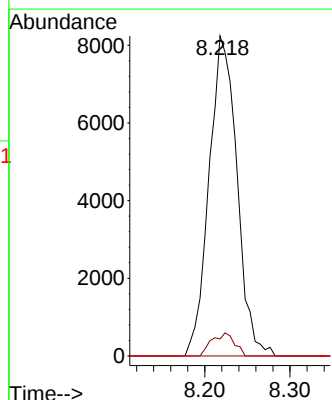
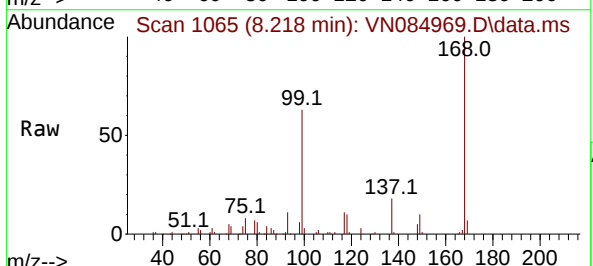
RT: 8.218 min Scan# 1065

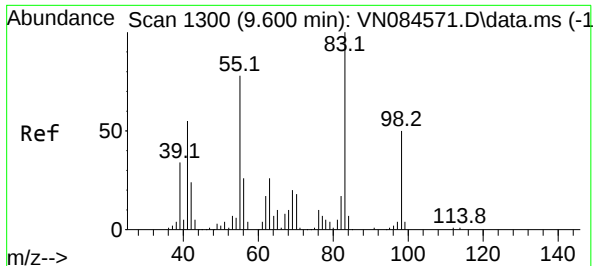
Delta R.T. -0.141 min

Lab File: VN084969.D

Acq: 20 Nov 2024 15:21

Tgt Ion:	117	Resp:	18732
Ion Ratio	Lower	Upper	
117	100		
119	5.3	78.7	118.1#
121	0.0	24.4	36.6#





#39

Methylcyclohexane

Concen: 0.355 ug/l

RT: 9.347 min Scan# 1125

Delta R.T. -0.253 min

Lab File: VN084969.D

Acq: 20 Nov 2024 15:21

Instrument :

MSVOA_N

ClientSampleId :

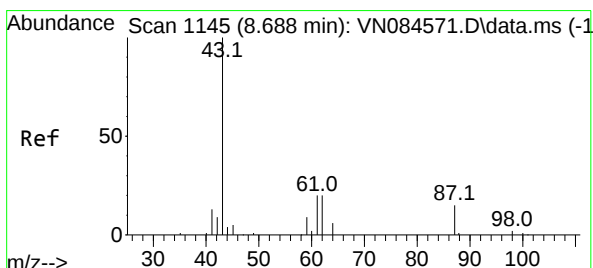
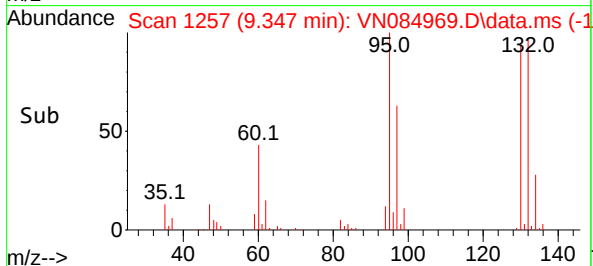
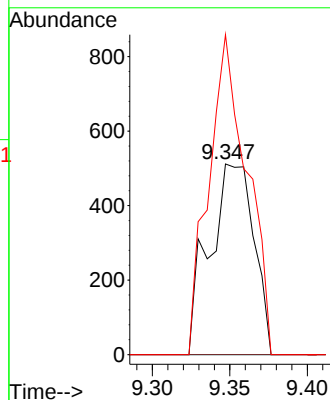
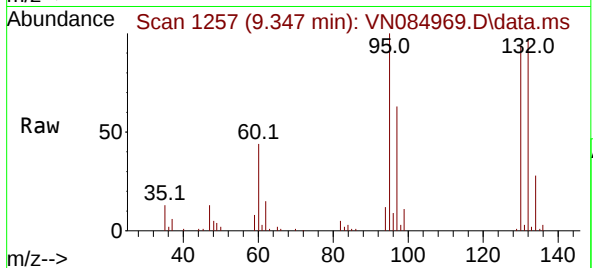
Tgt Ion: 83 Resp: 1022

Ion Ratio Lower Upper

83 100

55 0.0 62.8 94.2#

98 167.8 38.8 58.2#



#43

Isopropyl Acetate

Concen: 25.509 ug/l

RT: 8.730 min Scan# 1152

Delta R.T. 0.042 min

Lab File: VN084969.D

Acq: 20 Nov 2024 15:21

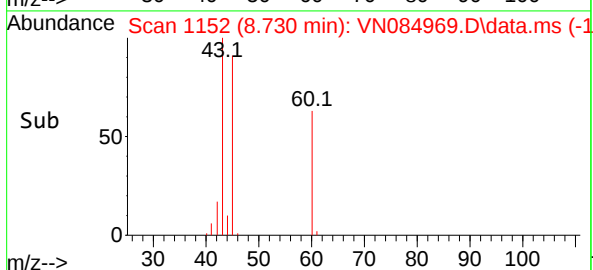
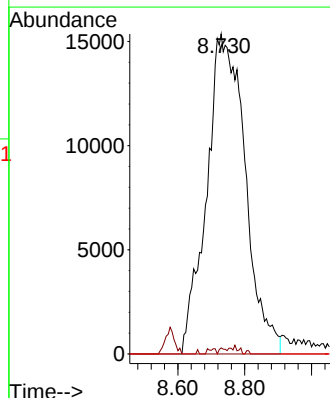
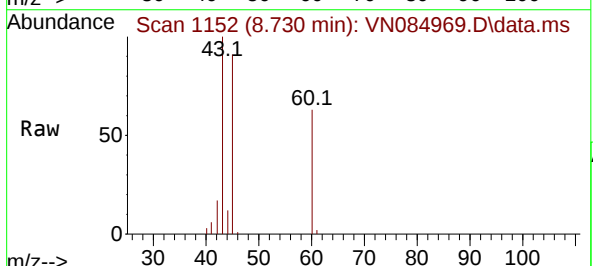
Tgt Ion: 43 Resp: 123139

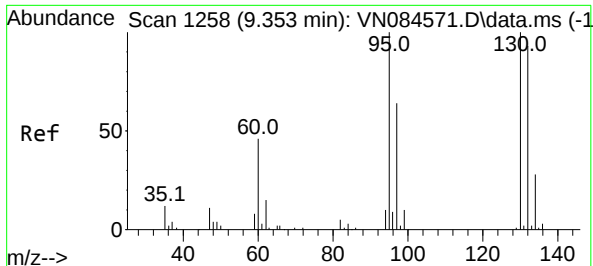
Ion Ratio Lower Upper

43 100

61 0.3 20.4 30.6#

87 0.0 10.3 15.5#

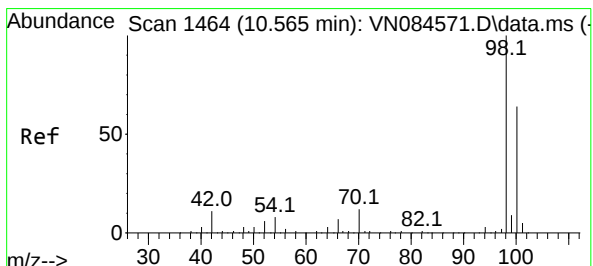
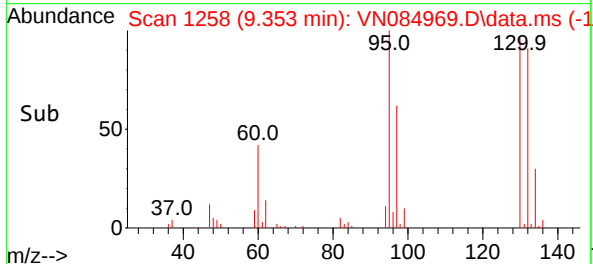
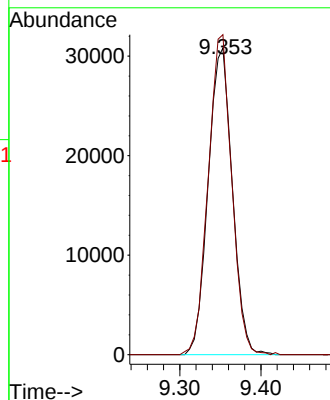
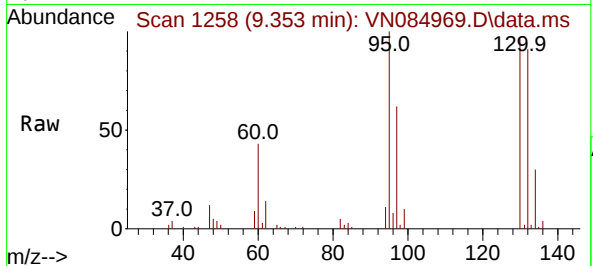




#44
Trichloroethene
Concen: 30.404 ug/l
RT: 9.353 min Scan# 1258
Delta R.T. 0.006 min
Lab File: VN084969.D
Acq: 20 Nov 2024 15:21

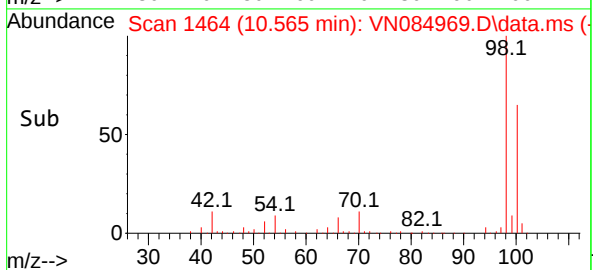
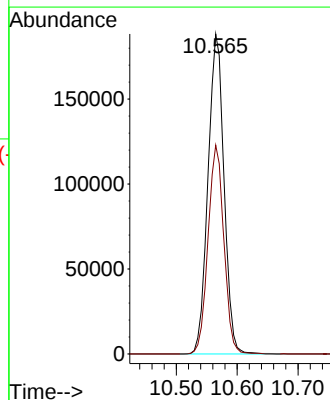
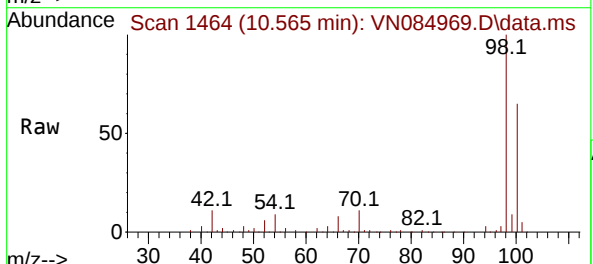
Instrument :
MSVOA_N
ClientSampleId :

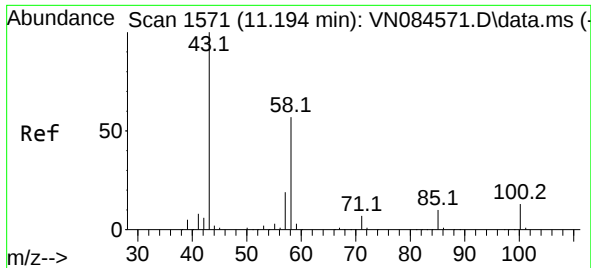
Tgt Ion:130 Resp: 63672
Ion Ratio Lower Upper
130 100
95 104.3 0.0 203.0



#50
Toluene-d8
Concen: 45.864 ug/l
RT: 10.565 min Scan# 1464
Delta R.T. -0.000 min
Lab File: VN084969.D
Acq: 20 Nov 2024 15:21

Tgt Ion: 98 Resp: 344454
Ion Ratio Lower Upper
98 100
100 64.4 52.7 79.1

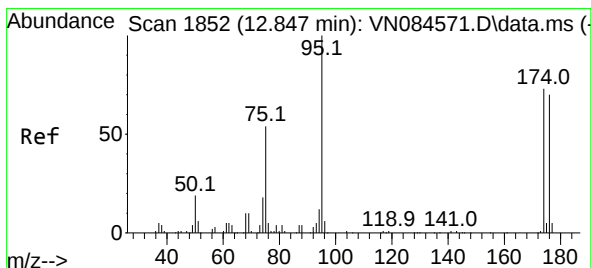
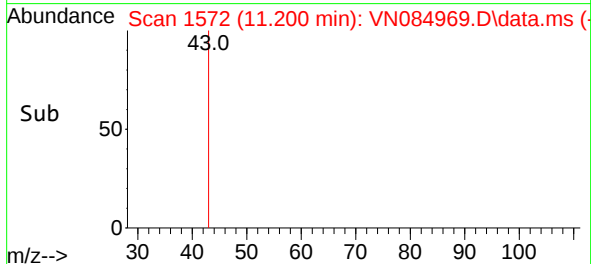
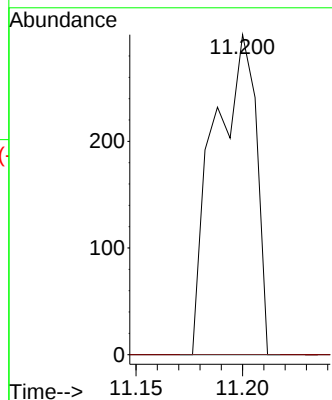
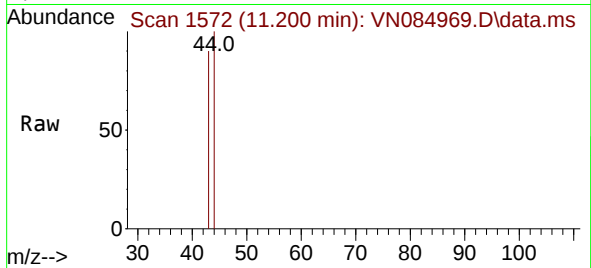




#59
2-Hexanone
Concen: 0.231 ug/l
RT: 11.200 min Scan# 111
Delta R.T. 0.006 min
Lab File: VN084969.D
Acq: 20 Nov 2024 15:21

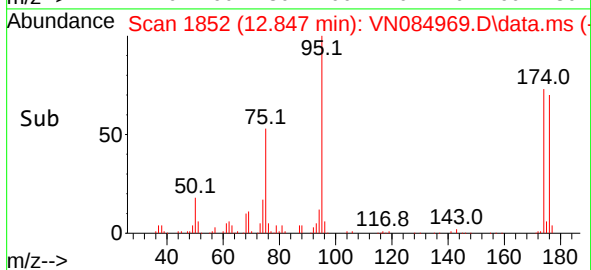
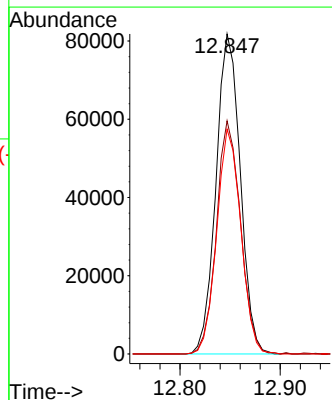
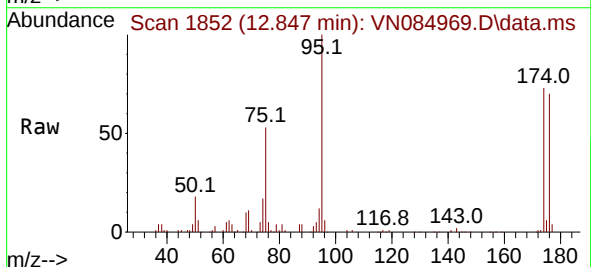
Instrument :
MSVOA_N
ClientSampleId :

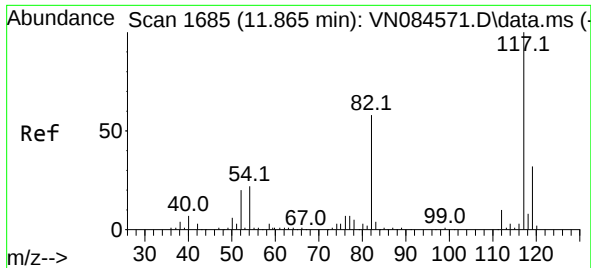
Tgt Ion: 43 Resp: 412
Ion Ratio Lower Upper
43 100
58 0.0 27.3 81.8#



#62
4-Bromofluorobenzene
Concen: 48.982 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. 0.000 min
Lab File: VN084969.D
Acq: 20 Nov 2024 15:21

Tgt Ion: 95 Resp: 137485
Ion Ratio Lower Upper
95 100
174 72.5 0.0 145.2
176 69.6 0.0 140.0

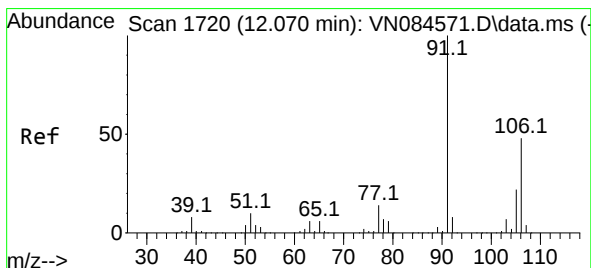
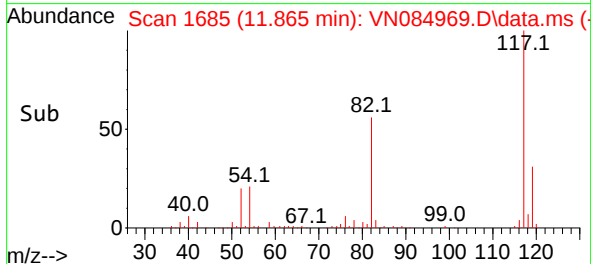
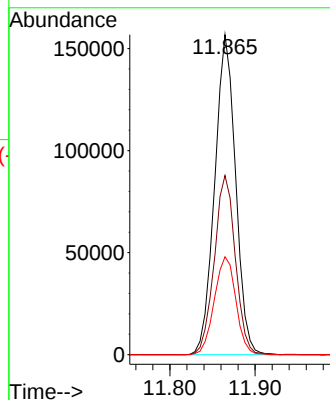
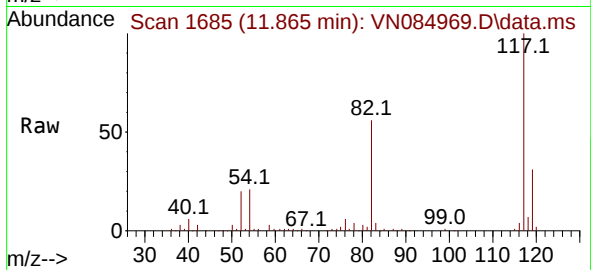




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 117
Delta R.T. -0.000 min
Lab File: VN084969.D
Acq: 20 Nov 2024 15:21

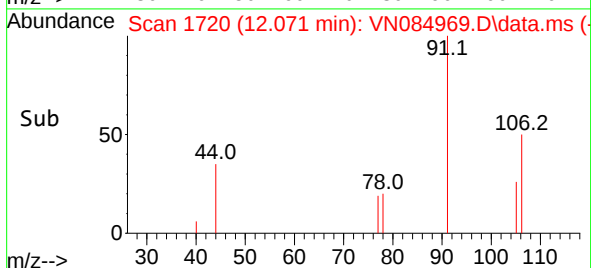
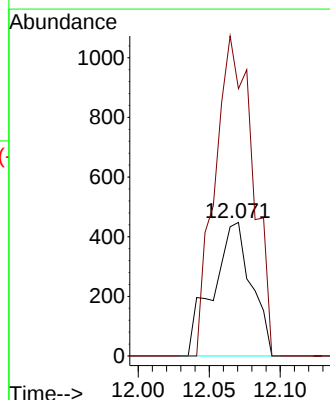
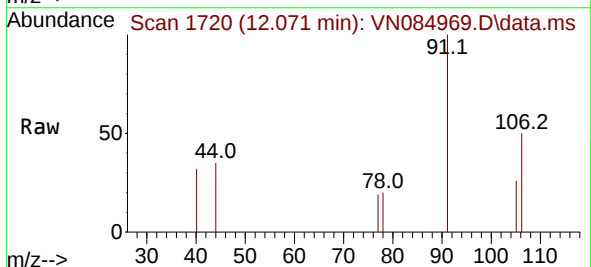
Instrument :
MSVOA_N
ClientSampleId :

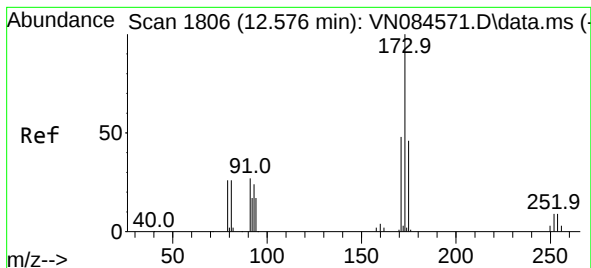
Tgt Ion:117 Resp: 267303
Ion Ratio Lower Upper
117 100
82 56.0 47.2 70.8
119 30.6 25.4 38.0



#68
m/p-Xylenes
Concen: 0.224 ug/l
RT: 12.071 min Scan# 1720
Delta R.T. 0.000 min
Lab File: VN084969.D
Acq: 20 Nov 2024 15:21

Tgt Ion:106 Resp: 845
Ion Ratio Lower Upper
106 100
91 234.6 167.1 250.7





#71

Bromoform

Concen: 0.447 ug/l

RT: 12.847 min Scan# 1806

Delta R.T. 0.271 min

Lab File: VN084969.D

Acq: 20 Nov 2024 15:21

Instrument :

MSVOA_N

ClientSampleId :

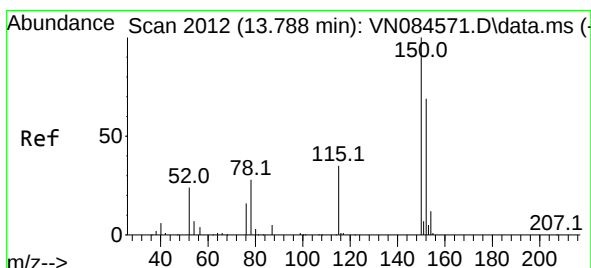
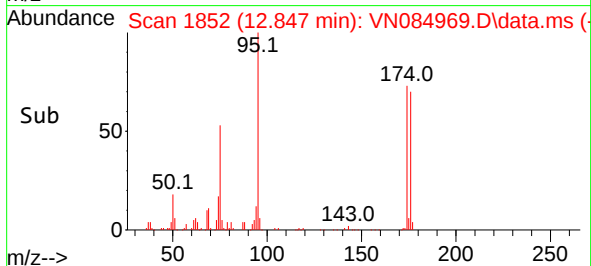
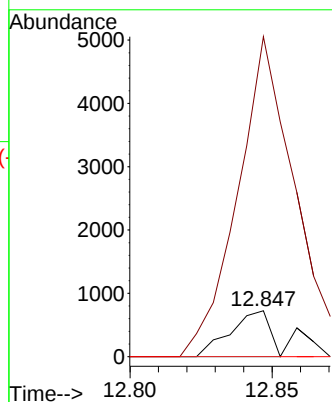
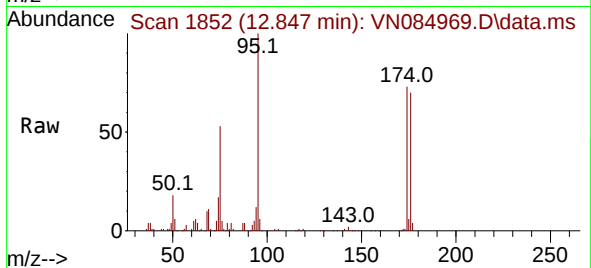
Tgt Ion:173 Resp: 699

Ion Ratio Lower Upper

173 100

175 771.2 23.5 70.6#

254 0.0 0.0 0.0



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.788 min Scan# 2012

Delta R.T. 0.000 min

Lab File: VN084969.D

Acq: 20 Nov 2024 15:21

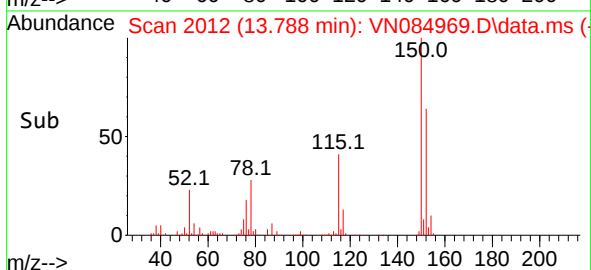
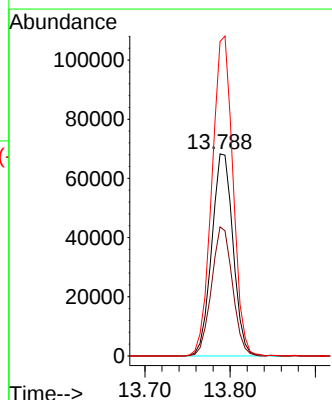
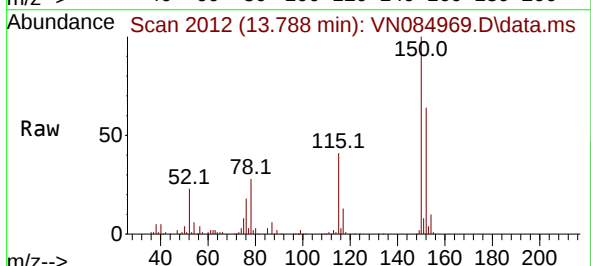
Tgt Ion:152 Resp: 118493

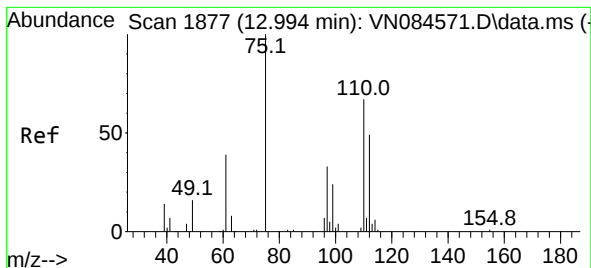
Ion Ratio Lower Upper

152 100

115 62.9 31.3 93.9

150 156.1 0.0 349.8





#76

1,2,3-Trichloropropane

Concen: 29.649 ug/l

RT: 12.847 min Scan# 1852

Delta R.T. -0.141 min

Lab File: VN084969.D

Acq: 20 Nov 2024 15:21

Instrument :

MSVOA_N

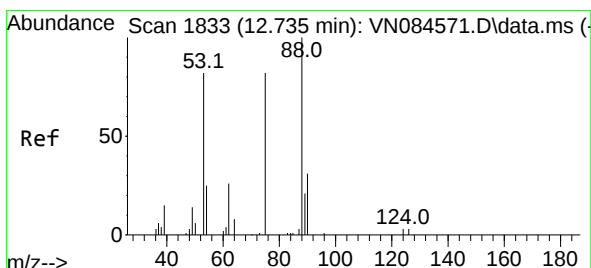
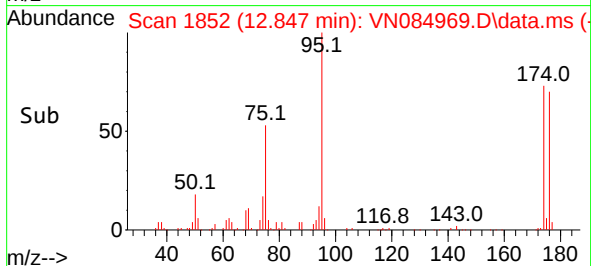
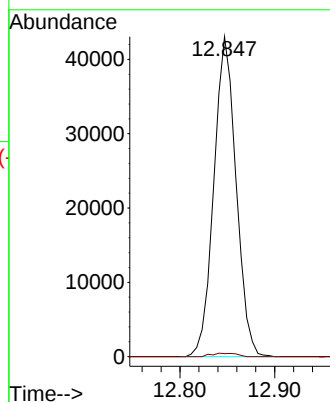
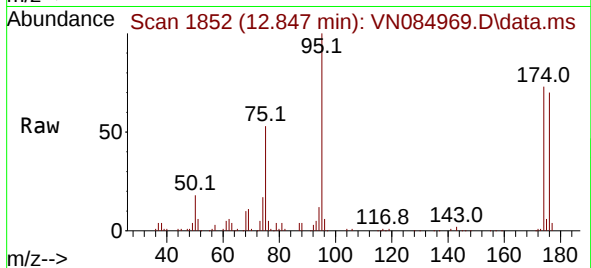
ClientSampleId :

Tgt Ion: 75 Resp: 70227

Ion Ratio Lower Upper

75 100

77 1.2 96.9 290.7#



#81

trans-1,4-Dichloro-2-butene

Concen: 70.339 ug/l

RT: 12.847 min Scan# 1852

Delta R.T. 0.112 min

Lab File: VN084969.D

Acq: 20 Nov 2024 15:21

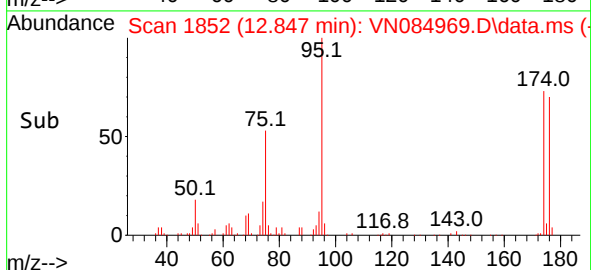
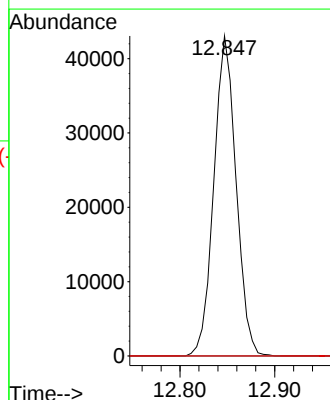
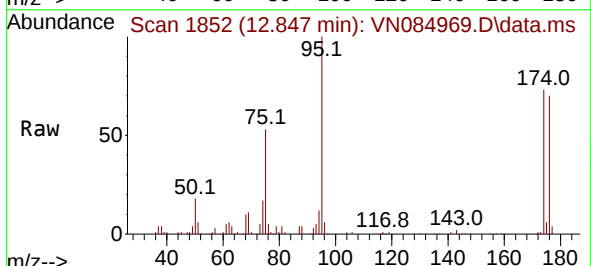
Tgt Ion: 75 Resp: 70227

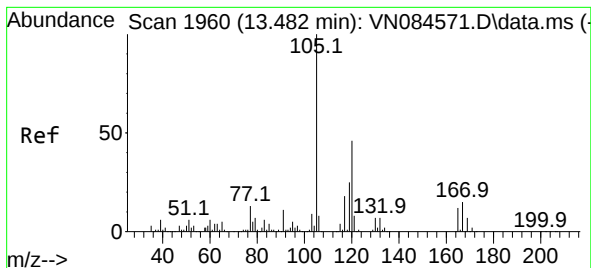
Ion Ratio Lower Upper

75 100

53 0.0 78.0 117.0#

89 0.0 35.5 53.3#





#84

1,2,4-Trimethylbenzene

Concen: 0.410 ug/l

RT: 13.482 min Scan# 1960

Delta R.T. 0.000 min

Lab File: VN084969.D

Acq: 20 Nov 2024 15:21

Instrument :

MSVOA_N

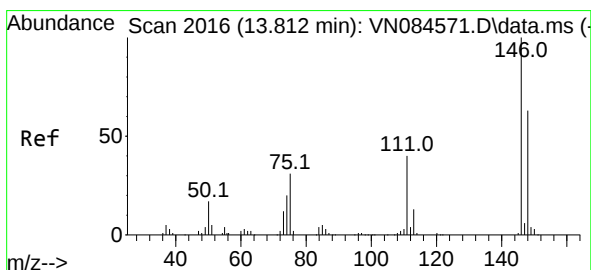
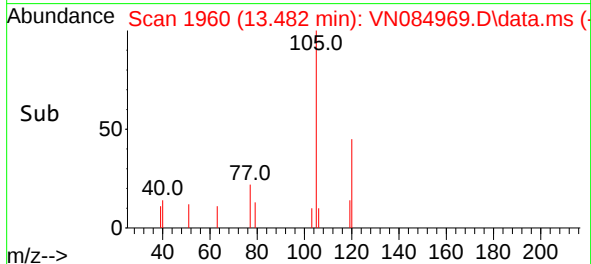
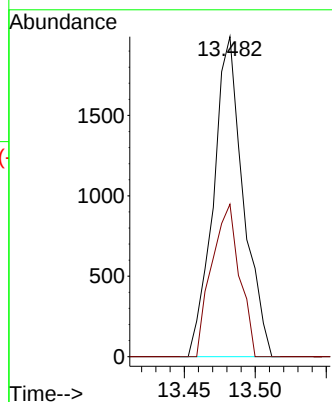
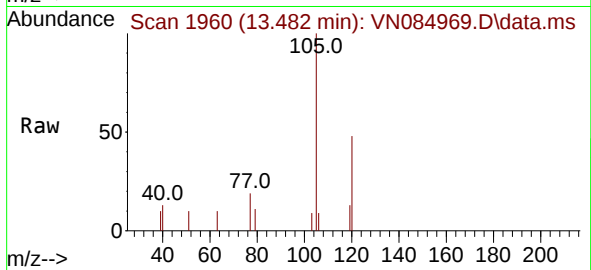
ClientSampleId :

Tgt Ion:105 Resp: 2914

Ion Ratio Lower Upper

105 100

120 44.3 22.3 66.8



#88

1,4-Dichlorobenzene

Concen: Below Cal

RT: 13.812 min Scan# 2016

Delta R.T. -0.000 min

Lab File: VN084969.D

Acq: 20 Nov 2024 15:21

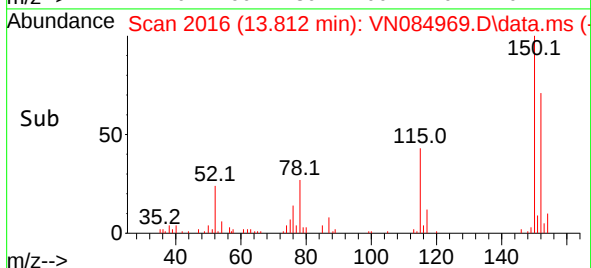
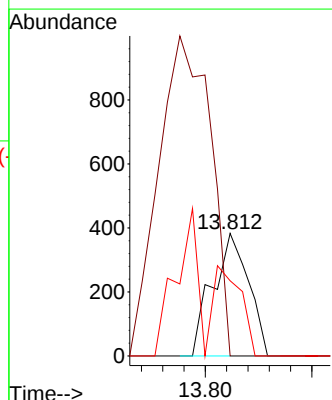
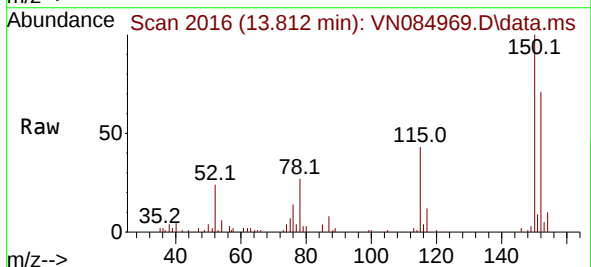
Tgt Ion:146 Resp: 450

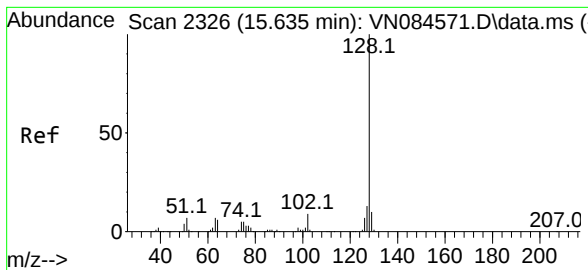
Ion Ratio Lower Upper

146 100

111 0.0 21.2 63.6#

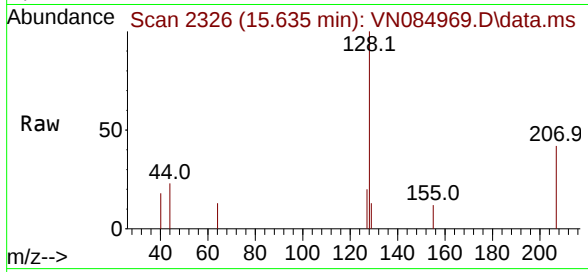
148 0.0 31.9 95.9#





#95
Naphthalene
Concen: 0.375 ug/l
RT: 15.635 min Scan# 21
Delta R.T. 0.000 min
Lab File: VN084969.D
Acq: 20 Nov 2024 15:21

Instrument :
MSVOA_N
ClientSampleId :



Tgt Ion:	128	Resp:	2575
Ion	Ratio	Lower	Upper
128	100		
127	3.4	10.5	15.7#
129	0.0	8.7	13.1#

