

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN111124\
 Data File : VN084786.D
 Acq On : 11 Nov 2024 20:54
 Operator : JC\MD
 Sample : P4791-02 10X
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 26 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Nov 12 00:39:30 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)

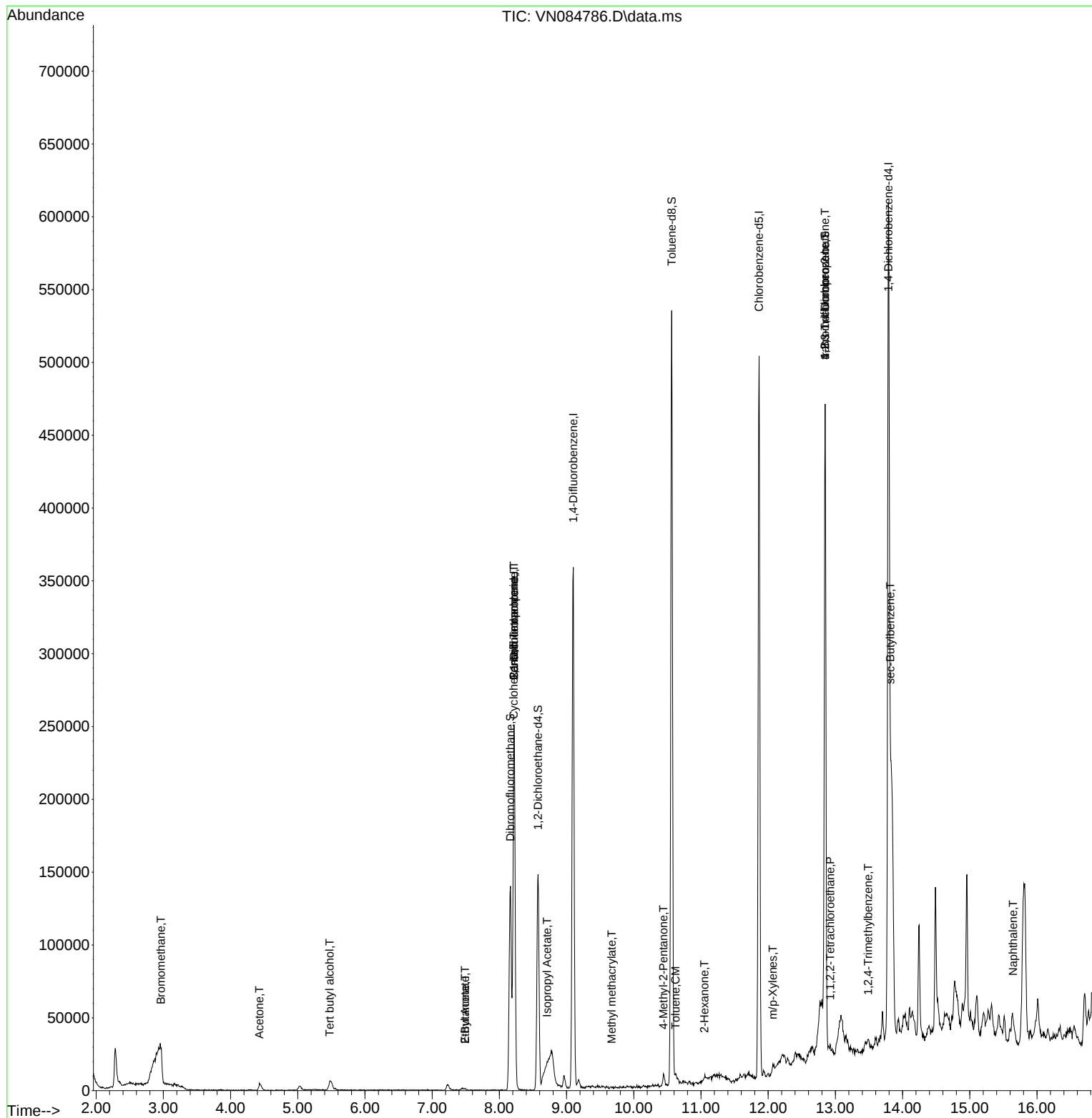
Internal Standards						
1) Pentafluorobenzene	8.218	168	177812	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	306660	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	284676	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	145390	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.577	65	123330	48.022	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	96.040%		
35) Dibromofluoromethane	8.165	113	100459	48.397	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	96.800%		
50) Toluene-d8	10.565	98	366110	47.881	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	95.760%		
62) 4-Bromofluorobenzene	12.847	95	154715	54.140	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery =	108.280%		
Target Compounds						
					Qvalue	
3) Chloromethane	2.359	50	788	Below Cal	#	41
5) Bromomethane	2.965	94	234	0.201	ug/l #	4
6) Chloroethane	3.118	64	213	Below Cal	#	45
11) Tert butyl alcohol	5.477	59	2766	8.159	ug/l #	73
16) Acetone	4.430	43	9165	9.611	ug/l	96
18) Methyl Acetate	5.030	43	5734	Below Cal		99
25) 2-Butanone	7.489	43	2104	1.756	ug/l	95
31) Cyclohexane	8.212	56	3598	1.015	ug/l #	10
36) 1,1-Dichloropropene	8.218	75	14634	5.083	ug/l #	44
37) Ethyl Acetate	7.489	43	2104	0.806	ug/l #	69
38) Carbon Tetrachloride	8.218	117	19547	6.075	ug/l #	16
43) Isopropyl Acetate	8.712	43	24832	4.263	ug/l #	56
48) Methyl methacrylate	9.671	41	653	0.321	ug/l #	72
51) 4-Methyl-2-Pentanone	10.441	43	6640	2.667	ug/l #	79
52) Toluene	10.624	92	1522	0.281	ug/l #	73
59) 2-Hexanone	11.053	43	1482	0.818	ug/l	75
68) m/p-Xylenes	12.071	106	987	0.245	ug/l	89
75) 1,1,2,2-Tetrachloroethane	12.923	83	819	0.241	ug/l #	26
76) 1,2,3-Trichloropropane	12.847	75	79448	27.337	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.847	75	79448	64.854	ug/l #	11
84) 1,2,4-Trimethylbenzene	13.488	105	2354	0.270	ug/l	83
85) sec-Butylbenzene	13.818	105	4023	0.408	ug/l	89
88) 1,4-Dichlorobenzene	13.800	146	492	Below Cal	#	56
95) Naphthalene	15.647	128	2103	0.250	ug/l #	36

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

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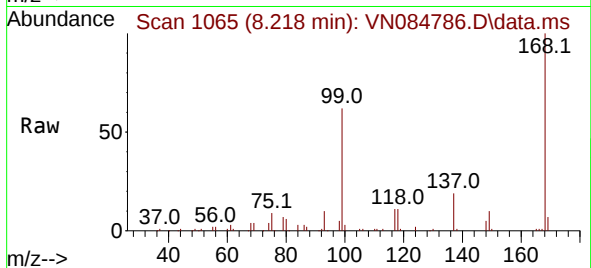
Quant Time: Nov 12 00:39:30 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N103024W.M
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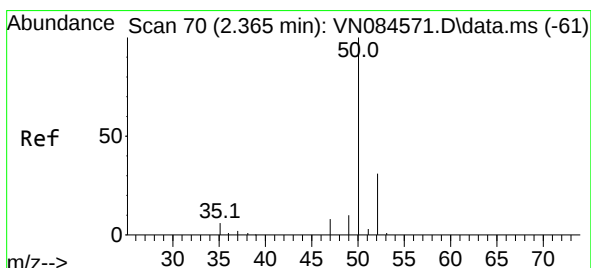
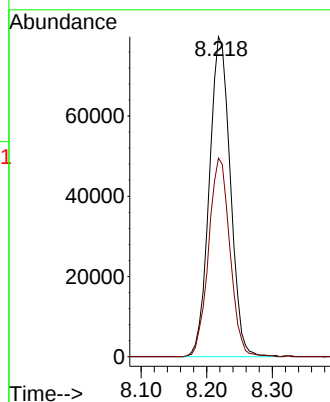
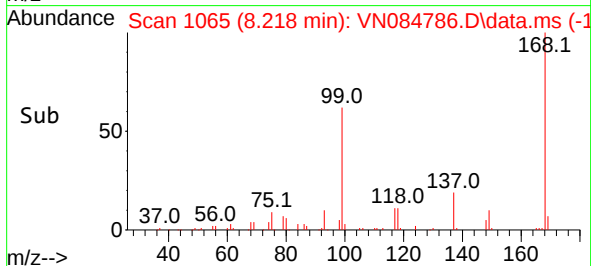


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.218 min Scan# 1065
Delta R.T. -0.006 min
Lab File: VN084786.D
Acq: 11 Nov 2024 20:54

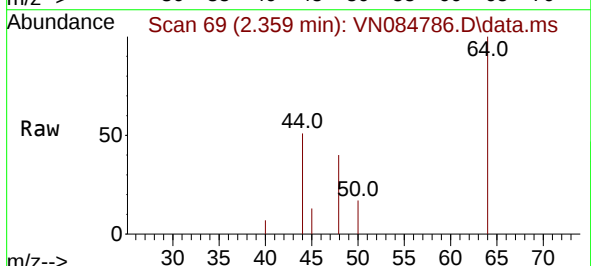
Instrument :
MSVOA_N
ClientSampleId :



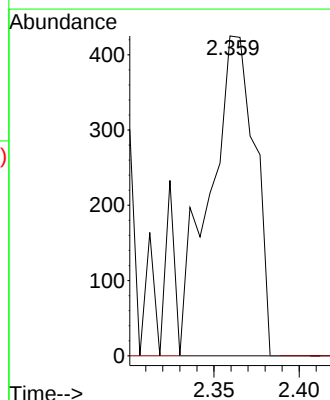
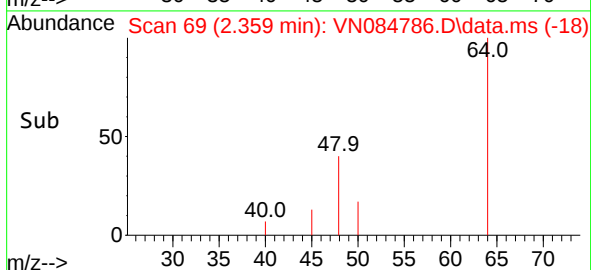
Tgt Ion:168 Resp: 177812
Ion Ratio Lower Upper
168 100
99 62.1 54.2 81.2



#3
Chloromethane
Concen: Below Cal
RT: 2.359 min Scan# 69
Delta R.T. 0.000 min
Lab File: VN084786.D
Acq: 11 Nov 2024 20:54



Tgt Ion: 50 Resp: 788
Ion Ratio Lower Upper
50 100
52 0.0 26.8 40.2#

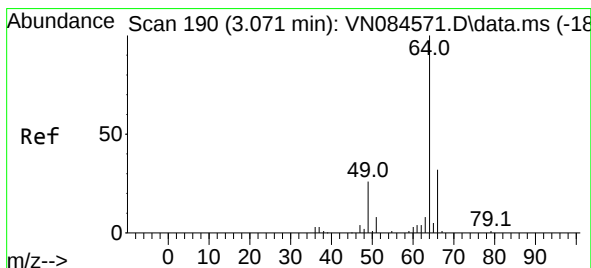
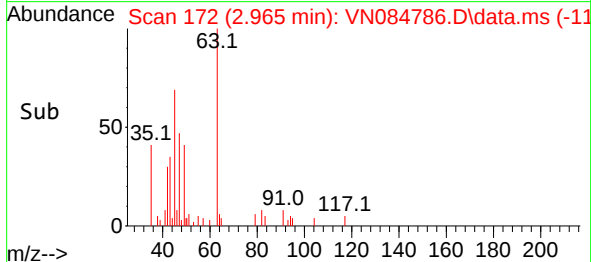
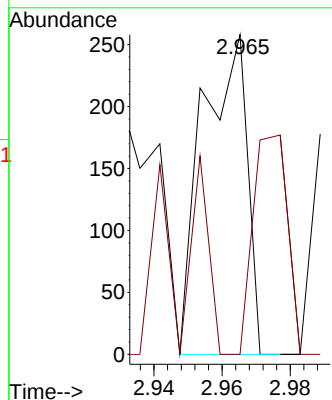
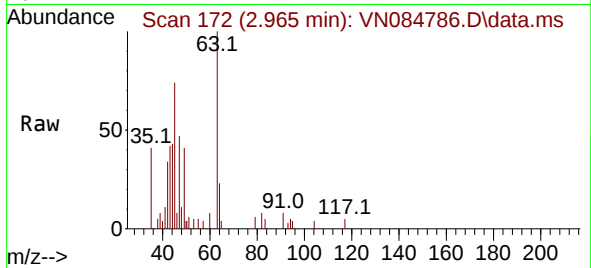




#5
Bromomethane
Concen: 0.201 ug/l
RT: 2.965 min Scan# 11
Delta R.T. 0.012 min
Lab File: VN084786.D
Acq: 11 Nov 2024 20:54

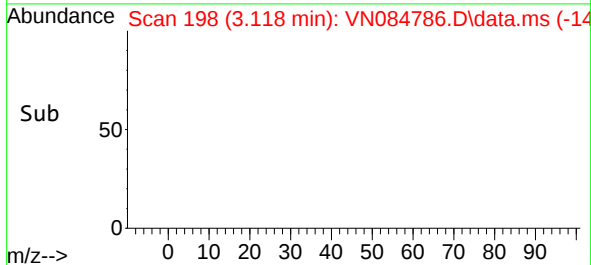
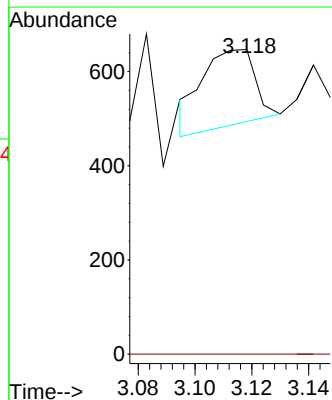
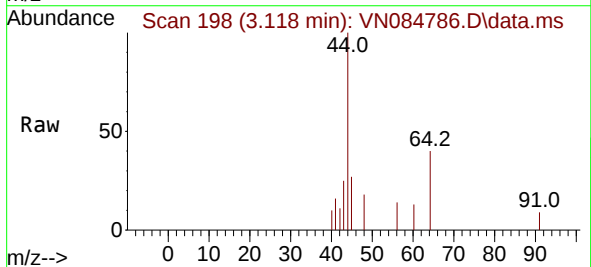
Instrument :
MSVOA_N
ClientSampleId :

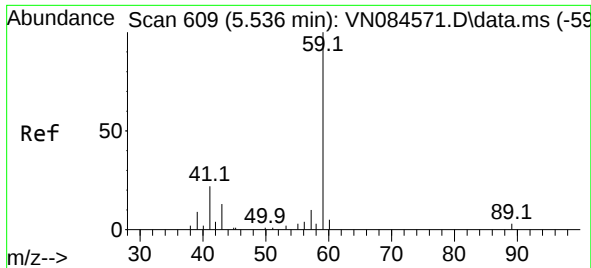
Tgt Ion: 94 Resp: 234
Ion Ratio Lower Upper
94 100
96 0.0 72.9 109.3#



#6
Chloroethane
Concen: Below Cal
RT: 3.118 min Scan# 198
Delta R.T. 0.000 min
Lab File: VN084786.D
Acq: 11 Nov 2024 20:54

Tgt Ion: 64 Resp: 213
Ion Ratio Lower Upper
64 100
66 0.0 23.5 35.3#

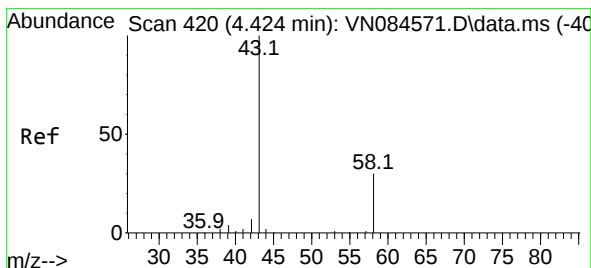
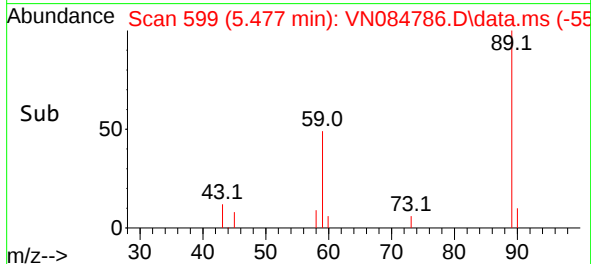
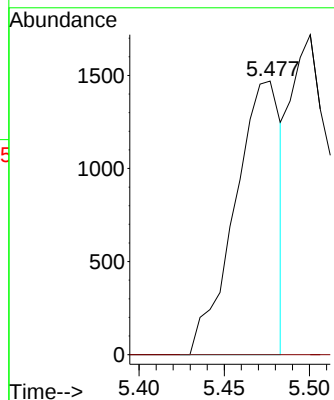
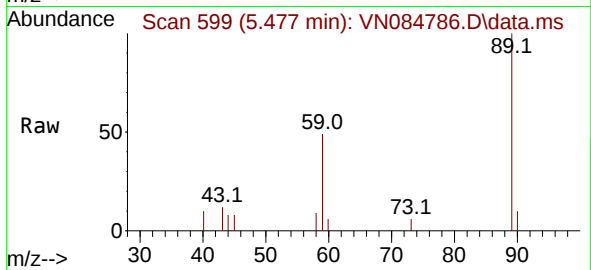




#11
Tert butyl alcohol
Concen: 8.159 ug/l
RT: 5.477 min Scan# 59
Delta R.T. -0.047 min
Lab File: VN084786.D
Acq: 11 Nov 2024 20:54

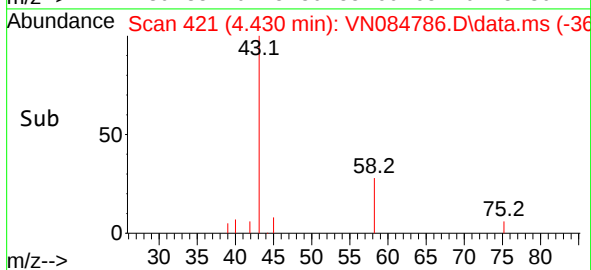
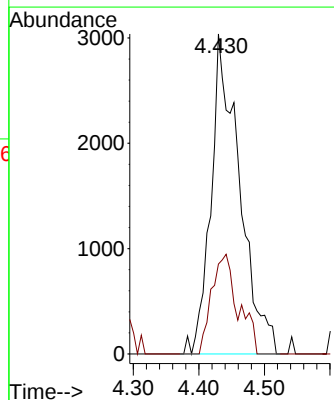
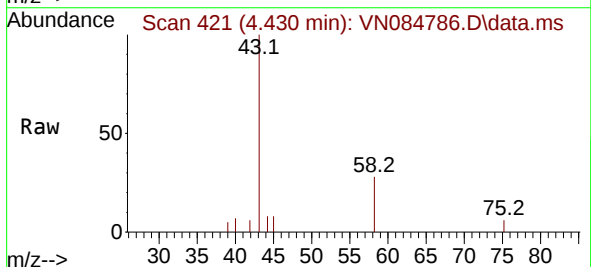
Instrument :
MSVOA_N
ClientSampleId :

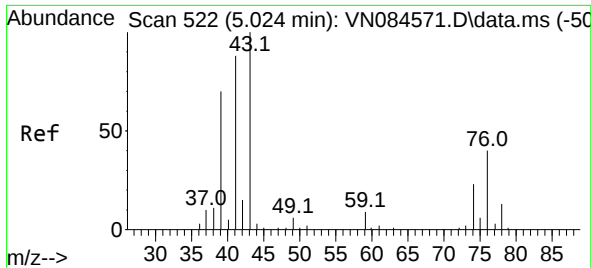
Tgt Ion: 59 Resp: 2766
Ion Ratio Lower Upper
59 100
57 0.0 8.2 12.2#



#16
Acetone
Concen: 9.611 ug/l
RT: 4.430 min Scan# 421
Delta R.T. 0.006 min
Lab File: VN084786.D
Acq: 11 Nov 2024 20:54

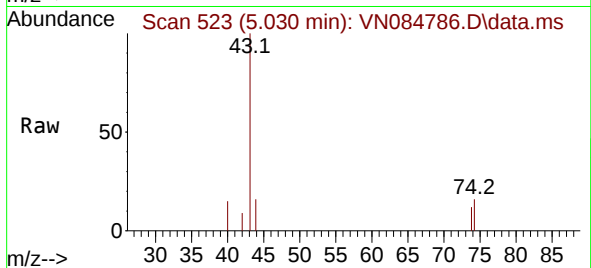
Tgt Ion: 43 Resp: 9165
Ion Ratio Lower Upper
43 100
58 28.1 24.4 36.6



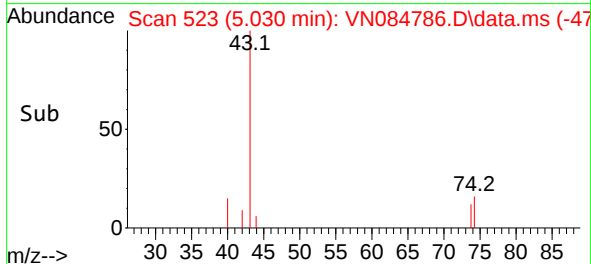
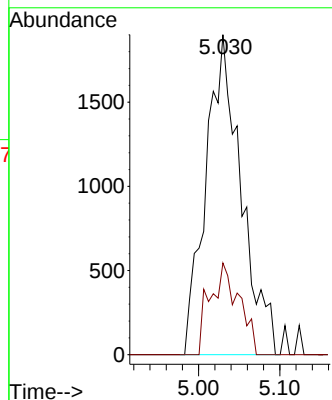


#18
Methyl Acetate
Concen: Below Cal
RT: 5.030 min Scan# 51
Delta R.T. 0.012 min
Lab File: VN084786.D
Acq: 11 Nov 2024 20:54

Instrument :
MSVOA_N
ClientSampleId :

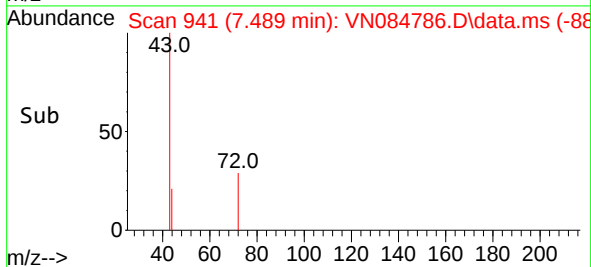
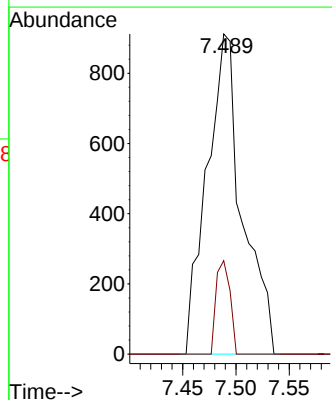
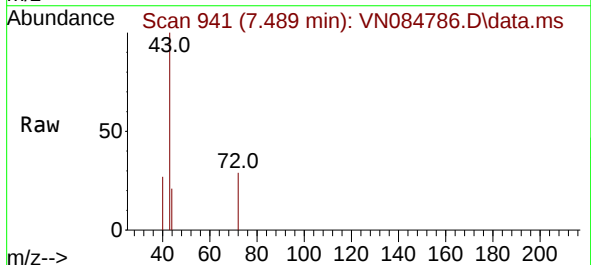


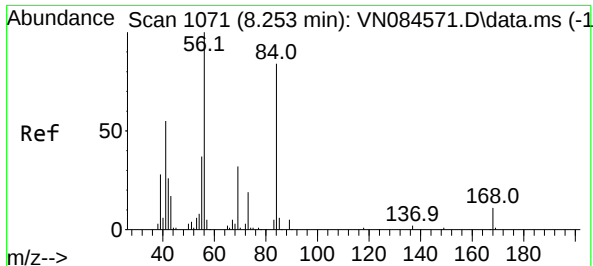
Tgt Ion: 43 Resp: 5734
Ion Ratio Lower Upper
43 100
74 23.4 19.2 28.8



#25
2-Butanone
Concen: 1.756 ug/l
RT: 7.489 min Scan# 941
Delta R.T. 0.006 min
Lab File: VN084786.D
Acq: 11 Nov 2024 20:54

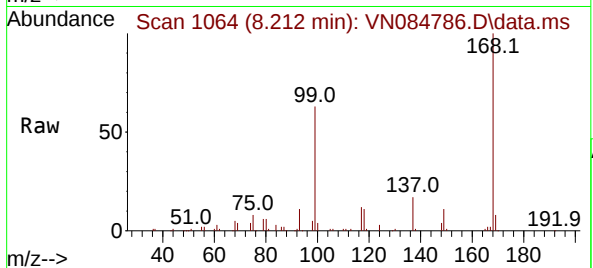
Tgt Ion: 43 Resp: 2104
Ion Ratio Lower Upper
43 100
72 29.2 21.4 32.2



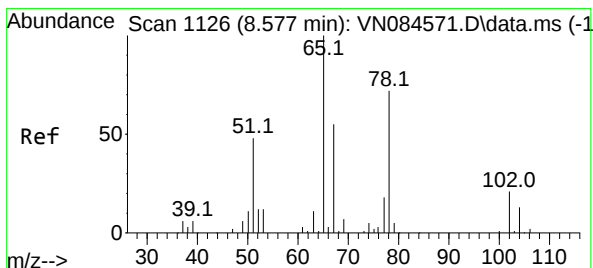
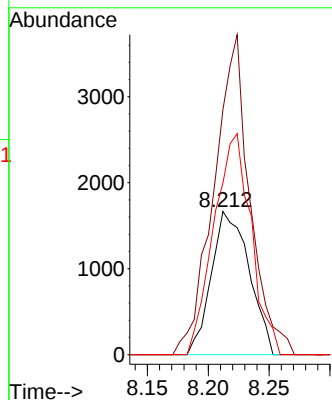
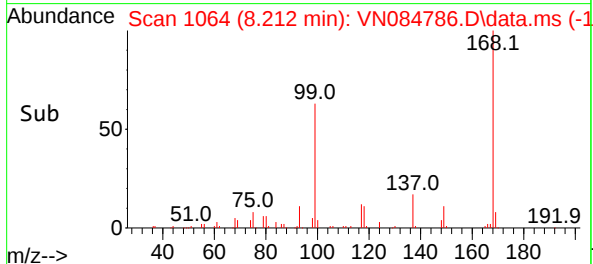


#31
Cyclohexane
Concen: 1.015 ug/l
RT: 8.212 min Scan# 1064
Delta R.T. -0.041 min
Lab File: VN084786.D
Acq: 11 Nov 2024 20:54

Instrument :
MSVOA_N
ClientSampleId :

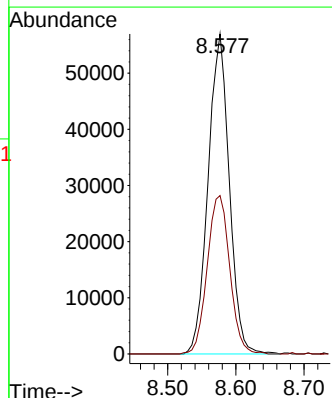
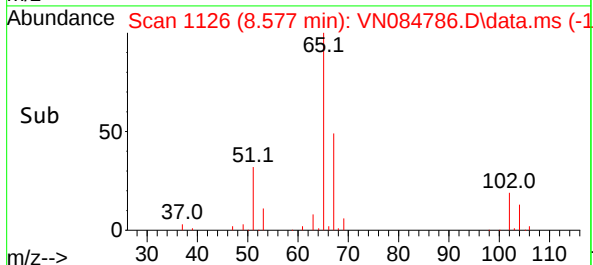
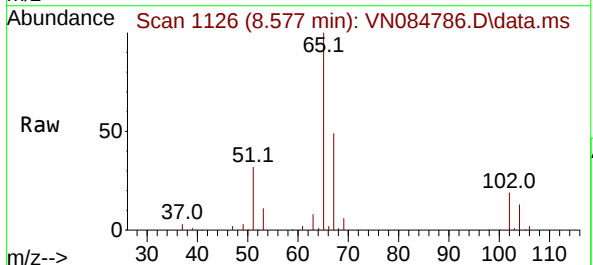


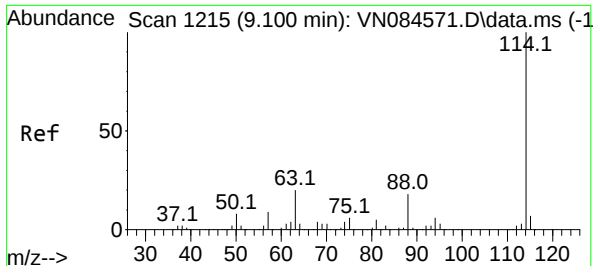
Tgt Ion: 56 Resp: 3598
Ion Ratio Lower Upper
56 100
69 161.8 23.8 35.6#
84 119.7 68.8 103.2#



#33
1,2-Dichloroethane-d4
Concen: 48.022 ug/l
RT: 8.577 min Scan# 1126
Delta R.T. -0.000 min
Lab File: VN084786.D
Acq: 11 Nov 2024 20:54

Tgt Ion: 65 Resp: 123330
Ion Ratio Lower Upper
65 100
67 52.6 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: VN084786.D

Acq: 11 Nov 2024 20:54

Instrument :

MSVOA_N

ClientSampleId :

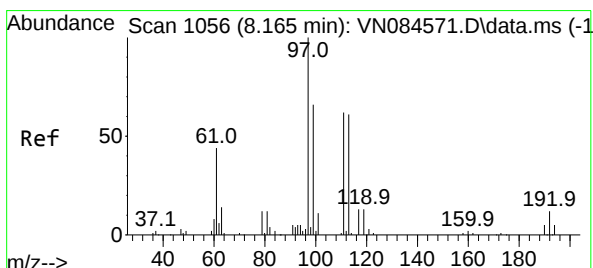
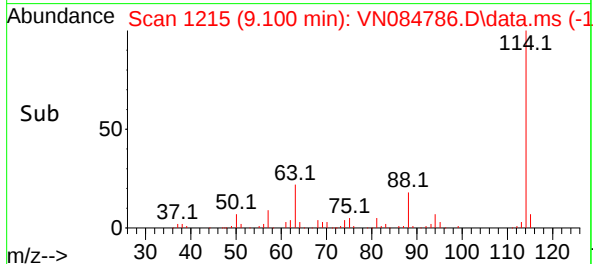
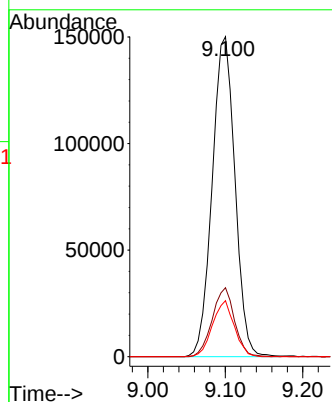
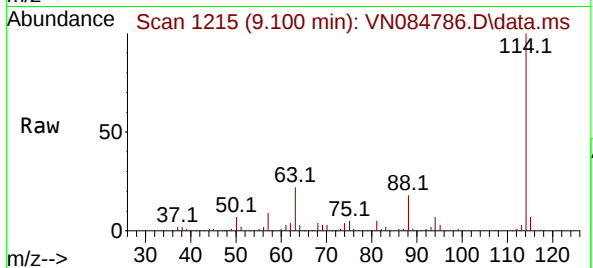
Tgt Ion:114 Resp: 306660

Ion Ratio Lower Upper

114 100

63 21.5 0.0 43.8

88 17.5 0.0 31.6



#35

Dibromofluoromethane

Concen: 48.397 ug/l

RT: 8.165 min Scan# 1056

Delta R.T. 0.000 min

Lab File: VN084786.D

Acq: 11 Nov 2024 20:54

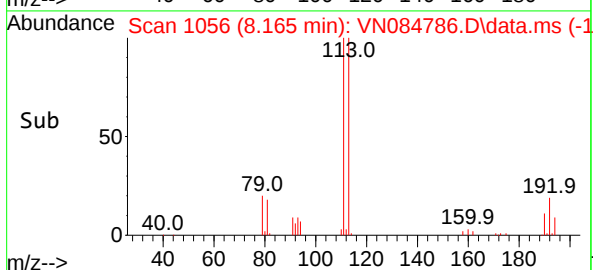
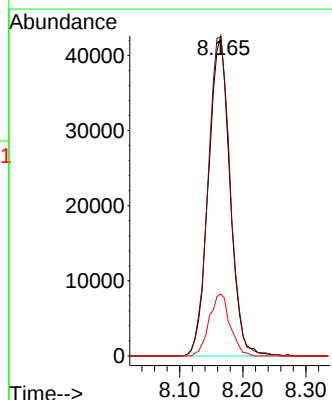
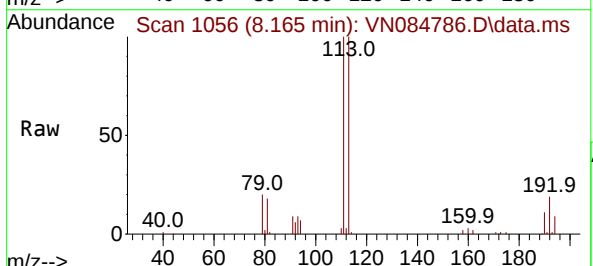
Tgt Ion:113 Resp: 100459

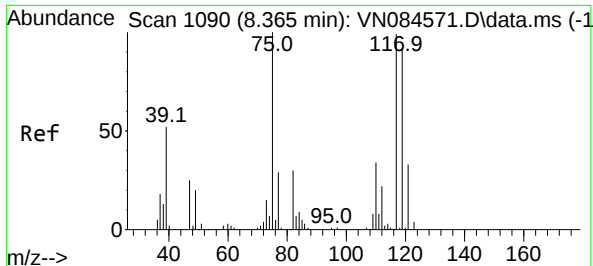
Ion Ratio Lower Upper

113 100

111 103.0 83.3 124.9

192 18.8 13.5 20.3





#36

1,1-Dichloropropene

Concen: 5.083 ug/l

RT: 8.218 min Scan# 1065

Delta R.T. -0.153 min

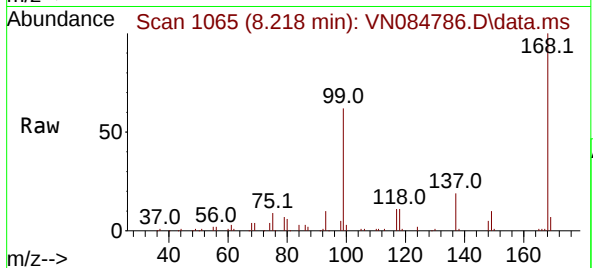
Lab File: VN084786.D

Acq: 11 Nov 2024 20:54

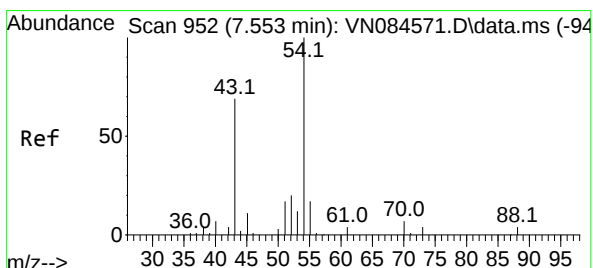
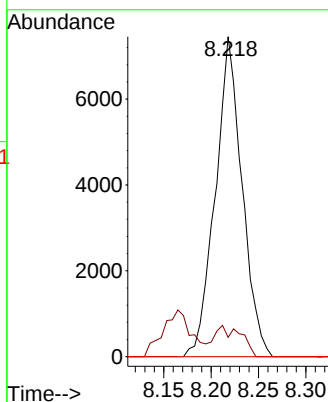
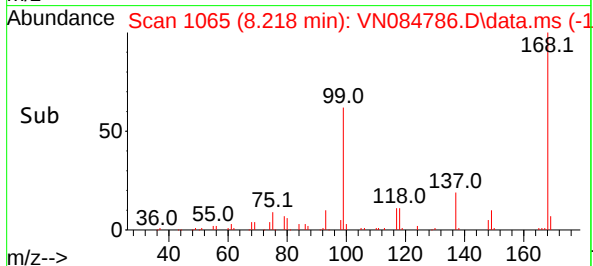
Instrument :

MSVOA_N

ClientSampleId :



Tgt Ion:	75	Resp:	14634
Ion Ratio	Lower	Upper	
75	100		
110	2.3	16.9	50.7#
77	0.0	24.7	37.1#



#37

Ethyl Acetate

Concen: 0.806 ug/l

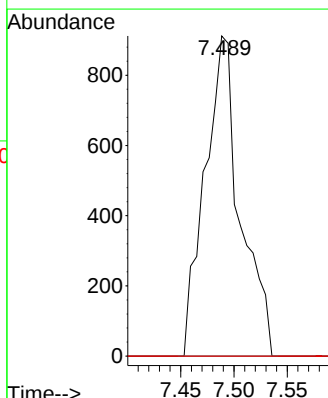
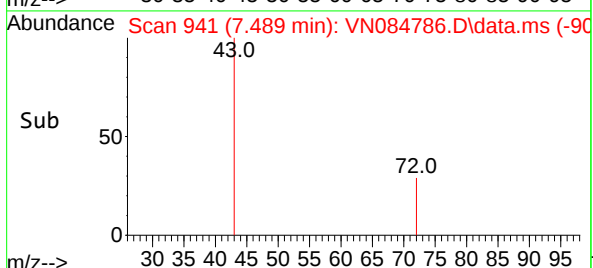
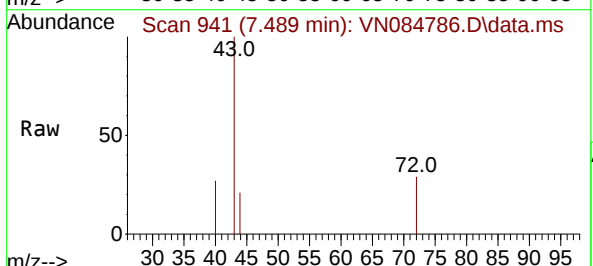
RT: 7.489 min Scan# 941

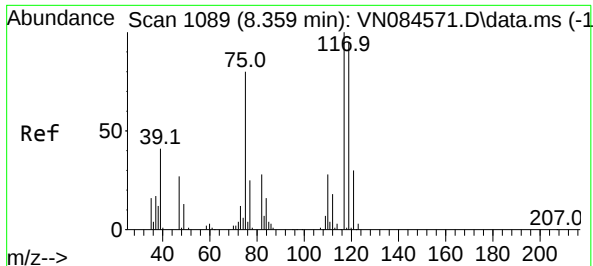
Delta R.T. -0.071 min

Lab File: VN084786.D

Acq: 11 Nov 2024 20:54

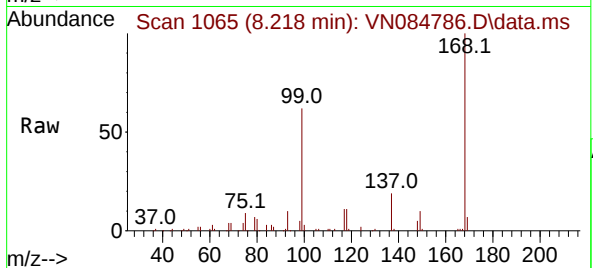
Tgt Ion:	43	Resp:	2104
Ion Ratio	Lower	Upper	
43	100		
61	0.0	10.7	16.1#
70	0.0	8.8	13.2#



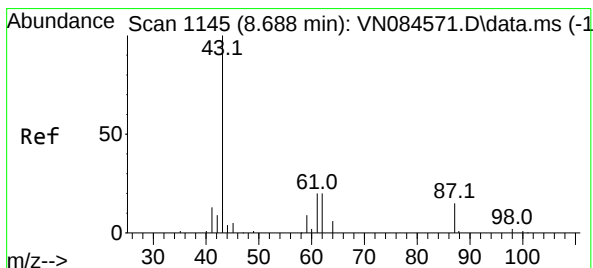
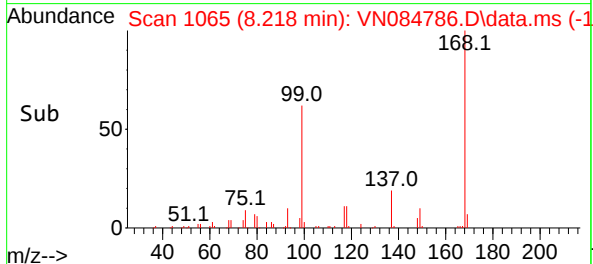
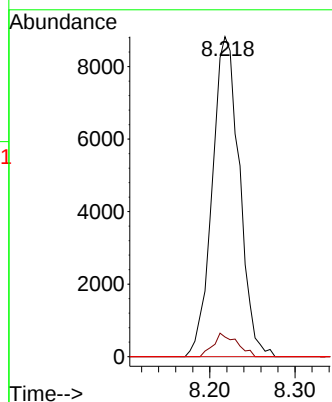


#38
Carbon Tetrachloride
Concen: 6.075 ug/l
RT: 8.218 min Scan# 1109
Delta R.T. -0.141 min
Lab File: VN084786.D
Acq: 11 Nov 2024 20:54

Instrument :
MSVOA_N
ClientSampleId :

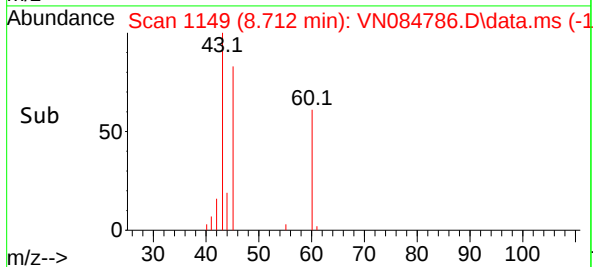
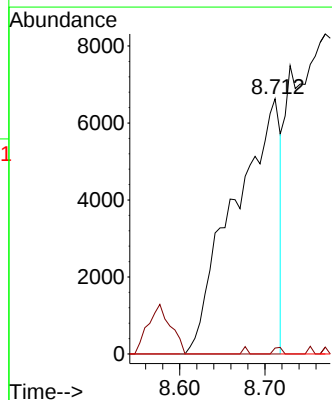
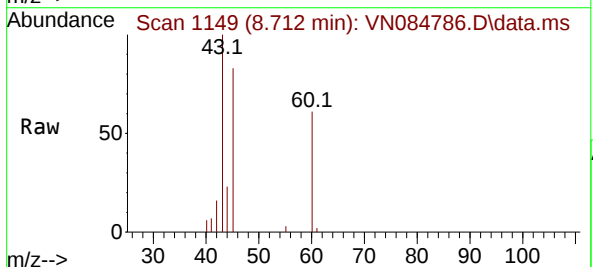


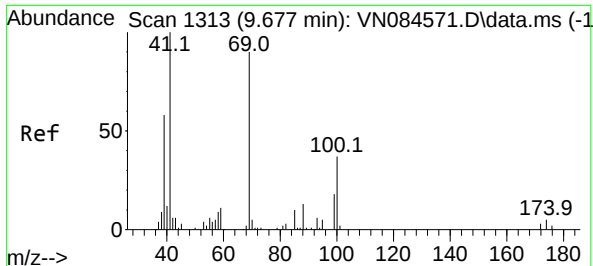
Tgt Ion:117 Resp: 19547
Ion Ratio Lower Upper
117 100
119 6.1 78.7 118.1#
121 0.0 24.4 36.6#



#43
Isopropyl Acetate
Concen: 4.263 ug/l
RT: 8.712 min Scan# 1149
Delta R.T. 0.024 min
Lab File: VN084786.D
Acq: 11 Nov 2024 20:54

Tgt Ion: 43 Resp: 24832
Ion Ratio Lower Upper
43 100
61 0.5 20.4 30.6#
87 0.0 10.3 15.5#





#48

Methyl methacrylate

Concen: 0.321 ug/l

RT: 9.671 min Scan# 1

Delta R.T. -0.006 min

Lab File: VN084786.D

Acq: 11 Nov 2024 20:54

Instrument :

MSVOA_N

ClientSampleId :

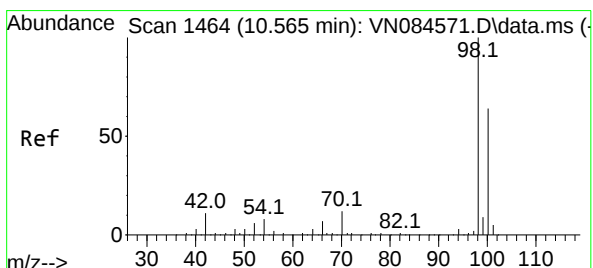
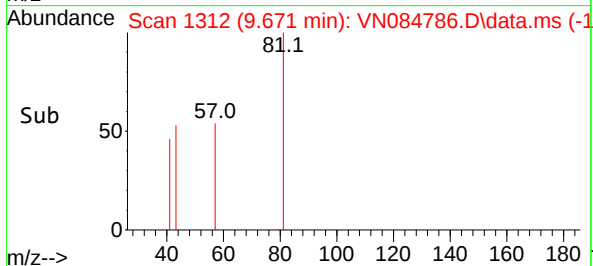
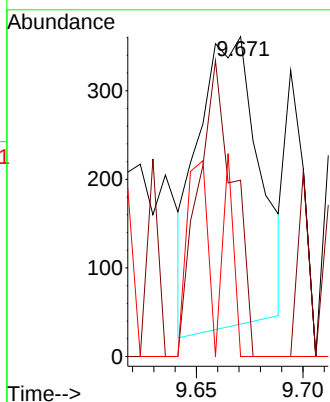
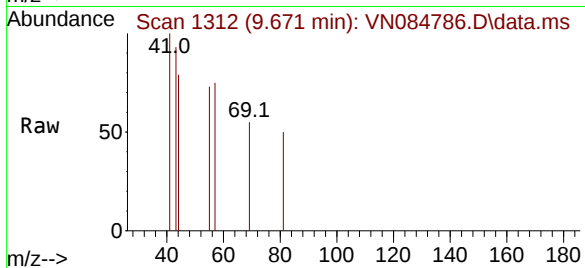
Tgt Ion: 41 Resp: 653

Ion Ratio Lower Upper

41 100

69 59.4 67.1 100.7#

39 35.7 45.8 68.6#



#50

Toluene-d8

Concen: 47.881 ug/l

RT: 10.565 min Scan# 1464

Delta R.T. -0.000 min

Lab File: VN084786.D

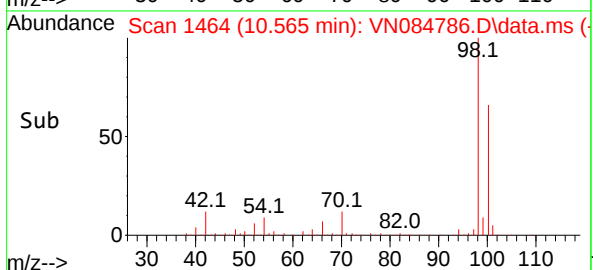
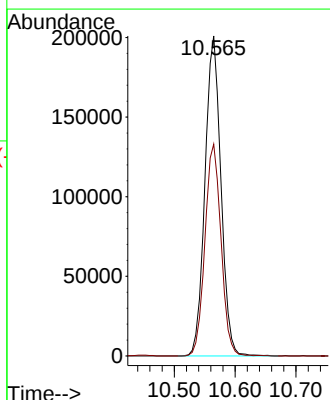
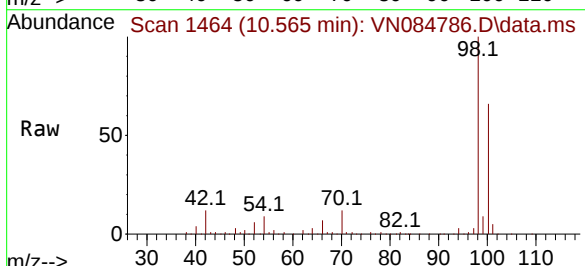
Acq: 11 Nov 2024 20:54

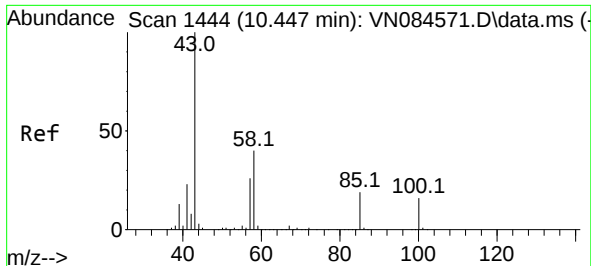
Tgt Ion: 98 Resp: 366110

Ion Ratio Lower Upper

98 100

100 66.6 52.7 79.1

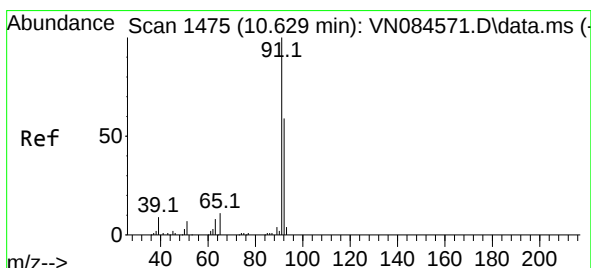
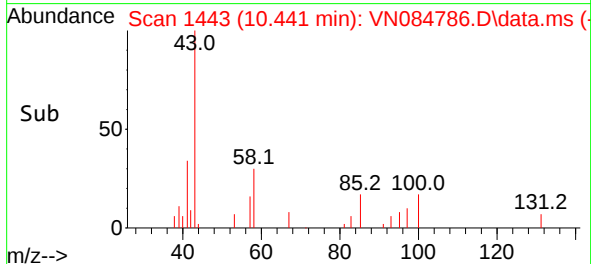
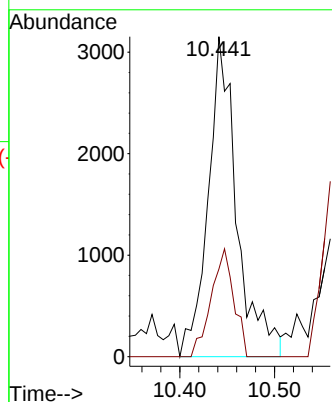
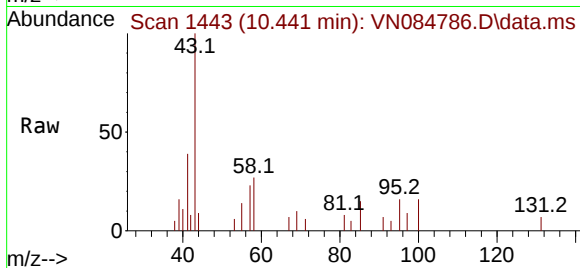




#51
4-Methyl-2-Pentanone
Concen: 2.667 ug/l
RT: 10.441 min Scan# 1443
Delta R.T. 0.000 min
Lab File: VN084786.D
Acq: 11 Nov 2024 20:54

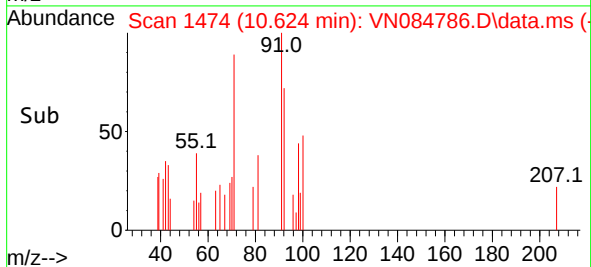
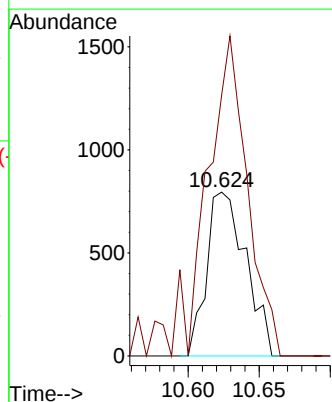
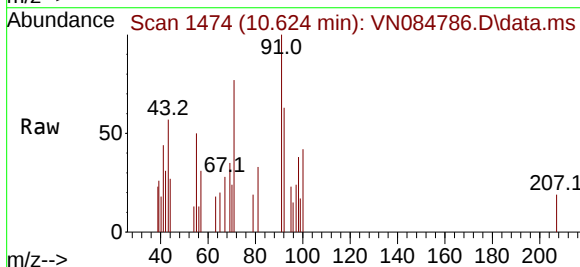
Instrument :
MSVOA_N
ClientSampleId :

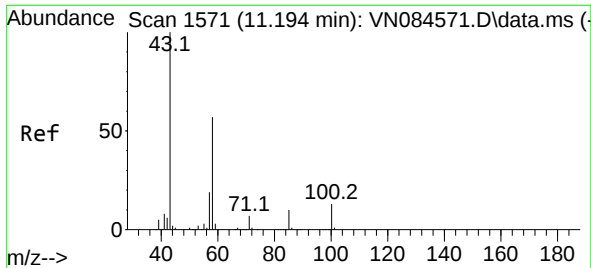
Tgt Ion: 43 Resp: 6640
Ion Ratio Lower Upper
43 100
58 26.6 31.6 47.4#



#52
Toluene
Concen: 0.281 ug/l
RT: 10.624 min Scan# 1474
Delta R.T. -0.006 min
Lab File: VN084786.D
Acq: 11 Nov 2024 20:54

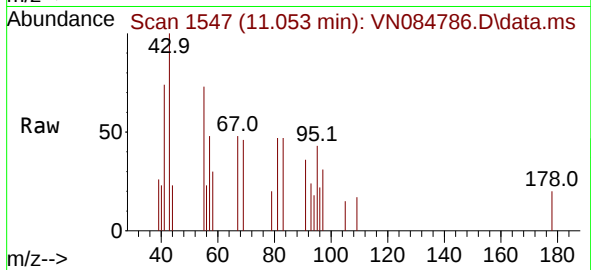
Tgt Ion: 92 Resp: 1522
Ion Ratio Lower Upper
92 100
91 208.1 137.3 205.9#



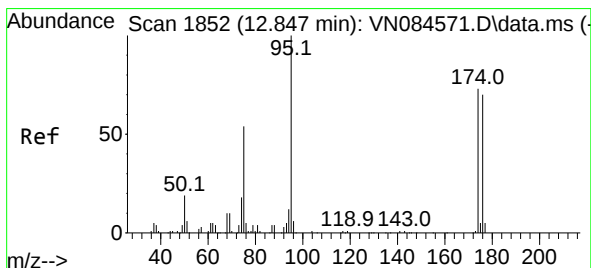
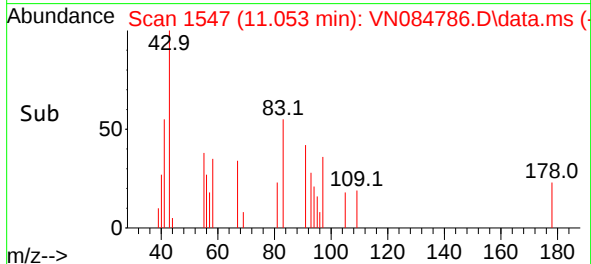
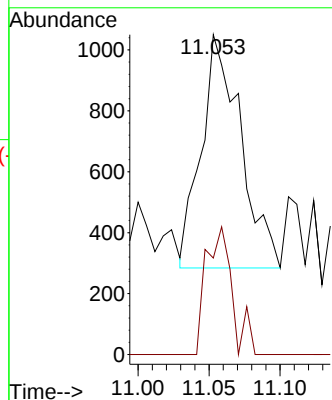


#59
2-Hexanone
Concen: 0.818 ug/l
RT: 11.053 min Scan# 11
Delta R.T. -0.141 min
Lab File: VN084786.D
Acq: 11 Nov 2024 20:54

Instrument :
MSVOA_N
ClientSampleId :

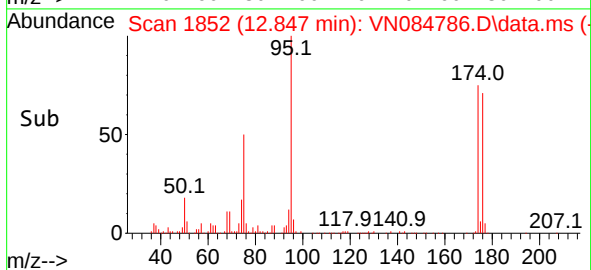
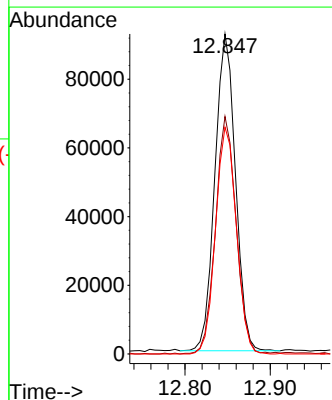
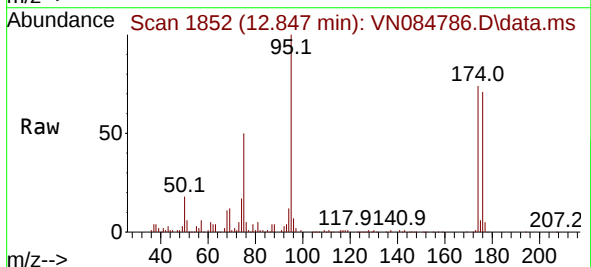


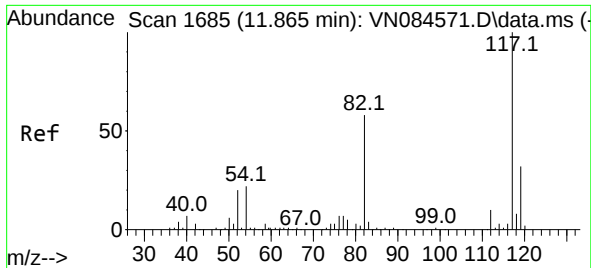
Tgt Ion: 43 Resp: 1482
Ion Ratio Lower Upper
43 100
58 36.2 27.3 81.8



#62
4-Bromofluorobenzene
Concen: 54.140 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. 0.000 min
Lab File: VN084786.D
Acq: 11 Nov 2024 20:54

Tgt Ion: 95 Resp: 154715
Ion Ratio Lower Upper
95 100
174 75.5 0.0 145.2
176 72.9 0.0 140.0

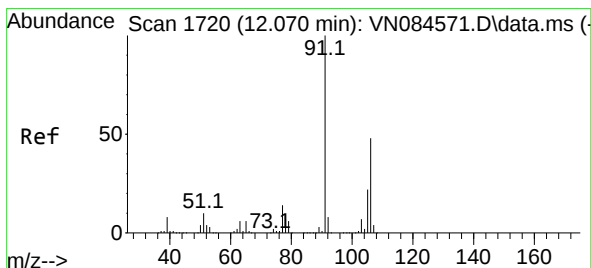
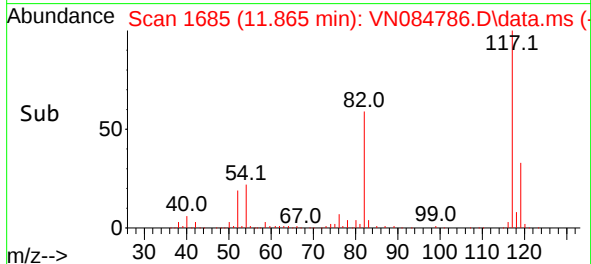
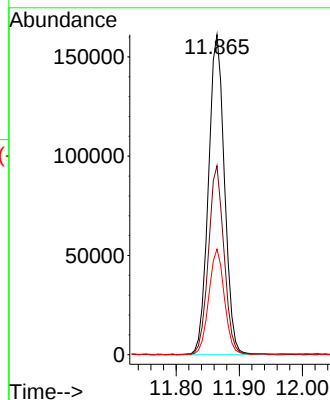
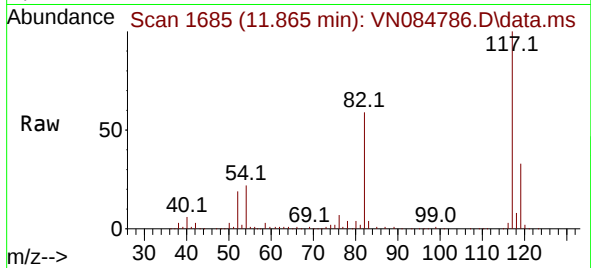




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 117
Delta R.T. -0.000 min
Lab File: VN084786.D
Acq: 11 Nov 2024 20:54

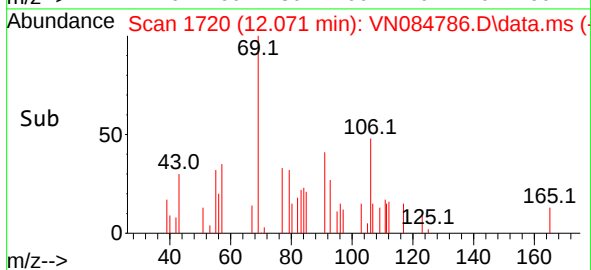
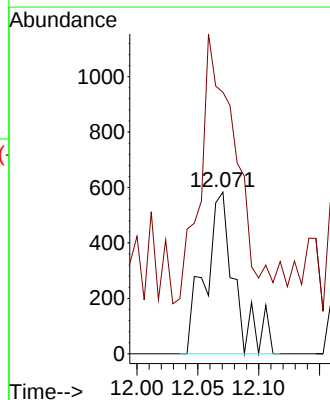
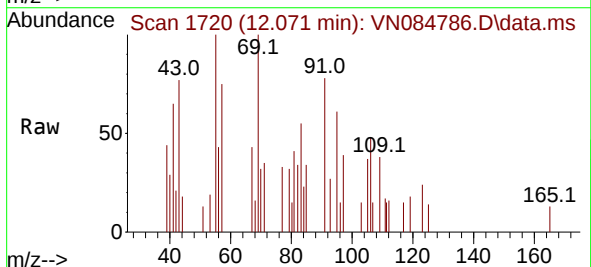
Instrument :
MSVOA_N
ClientSampleId :

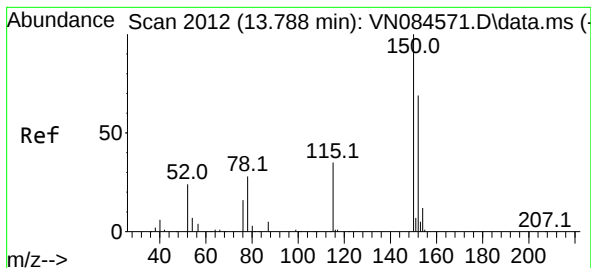
Tgt Ion:117 Resp: 284676
Ion Ratio Lower Upper
117 100
82 59.0 47.2 70.8
119 32.9 25.4 38.0



#68
m/p-Xylenes
Concen: 0.245 ug/l
RT: 12.071 min Scan# 1720
Delta R.T. 0.000 min
Lab File: VN084786.D
Acq: 11 Nov 2024 20:54

Tgt Ion:106 Resp: 987
Ion Ratio Lower Upper
106 100
91 192.3 167.1 250.7





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.788 min Scan# 20

Delta R.T. 0.000 min

Lab File: VN084786.D

Acq: 11 Nov 2024 20:54

Instrument :

MSVOA_N

ClientSampleId :

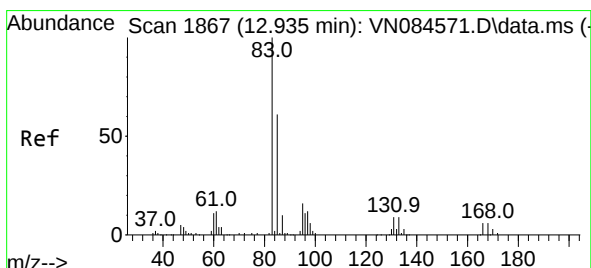
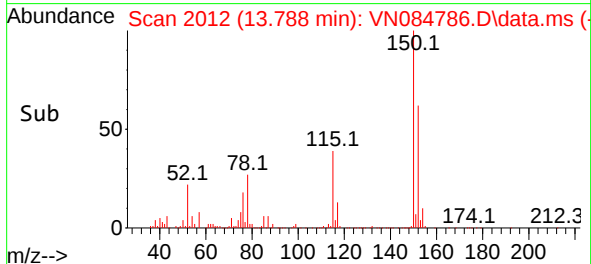
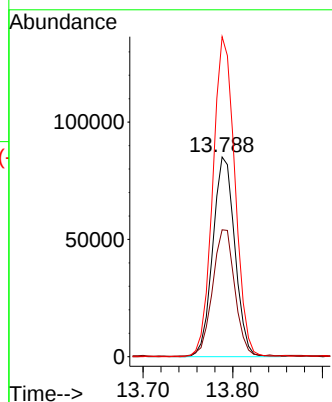
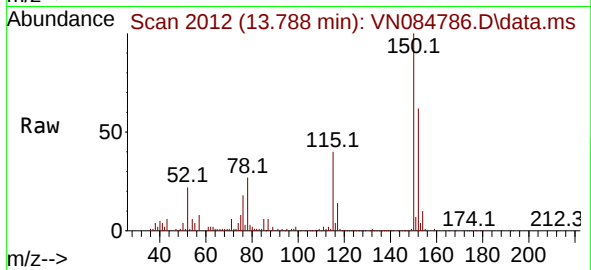
Tgt Ion:152 Resp: 145390

Ion Ratio Lower Upper

152 100

115 63.9 31.3 93.9

150 160.3 0.0 349.8



#75

1,1,2,2-Tetrachloroethane

Concen: 0.241 ug/l

RT: 12.923 min Scan# 1865

Delta R.T. -0.012 min

Lab File: VN084786.D

Acq: 11 Nov 2024 20:54

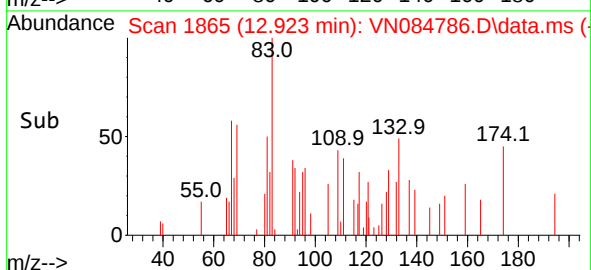
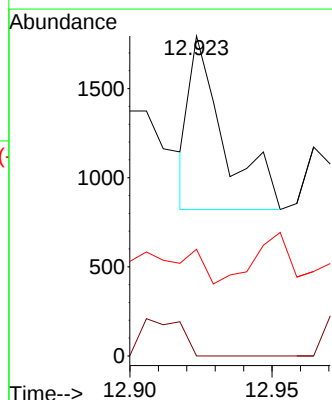
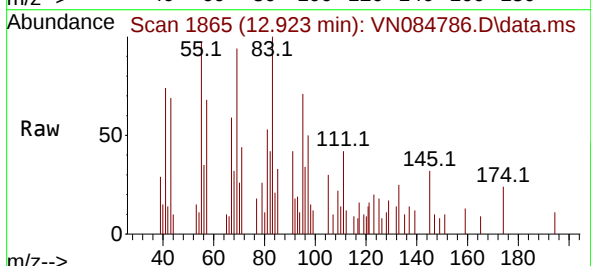
Tgt Ion: 83 Resp: 819

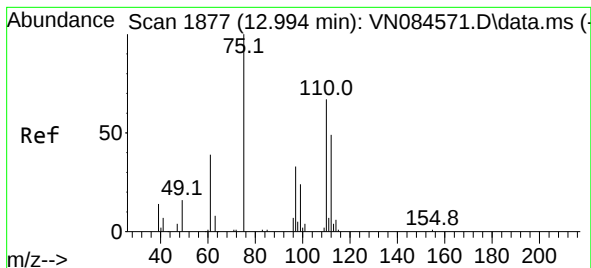
Ion Ratio Lower Upper

83 100

131 0.0 4.9 14.7#

85 0.0 31.9 95.7#





#76

1,2,3-Trichloropropane

Concen: 27.337 ug/l

RT: 12.847 min Scan# 1852

Delta R.T. -0.141 min

Lab File: VN084786.D

Acq: 11 Nov 2024 20:54

Instrument :

MSVOA_N

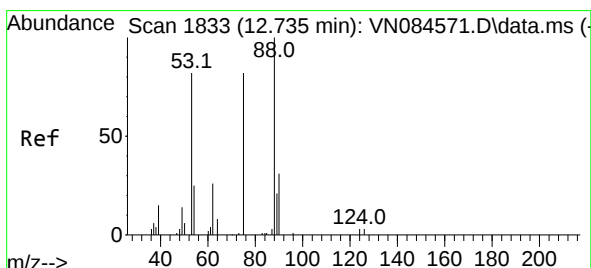
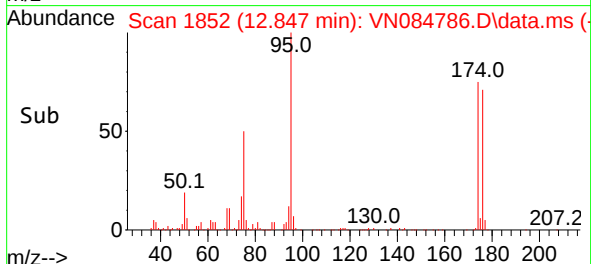
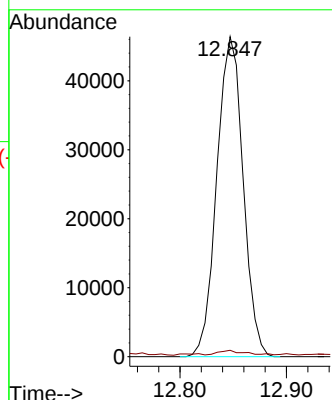
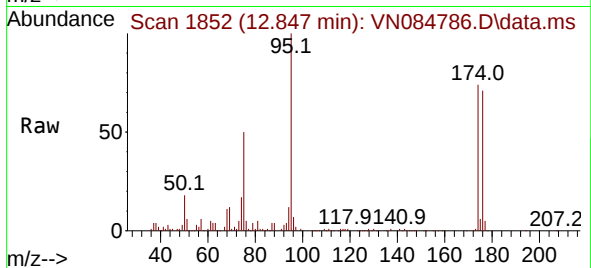
ClientSampleId :

Tgt Ion: 75 Resp: 79448

Ion Ratio Lower Upper

75 100

77 1.3 96.9 290.7#



#81

trans-1,4-Dichloro-2-butene

Concen: 64.854 ug/l

RT: 12.847 min Scan# 1852

Delta R.T. 0.112 min

Lab File: VN084786.D

Acq: 11 Nov 2024 20:54

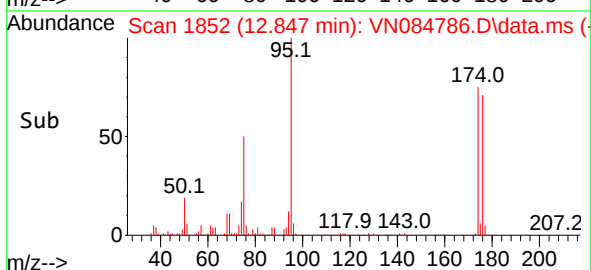
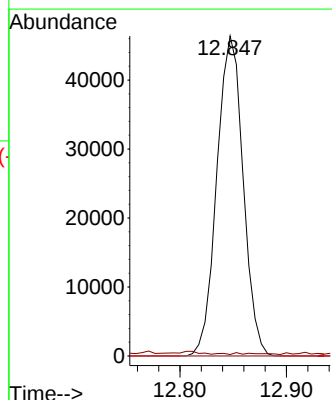
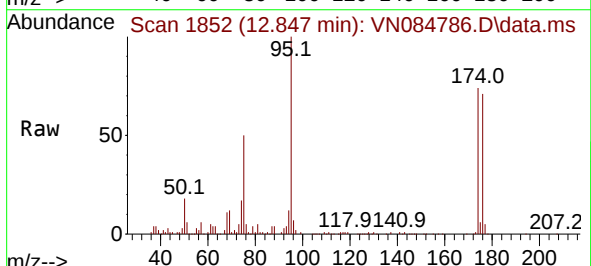
Tgt Ion: 75 Resp: 79448

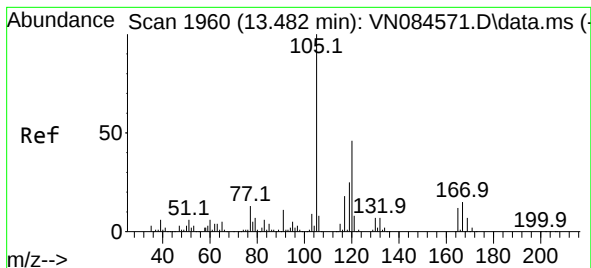
Ion Ratio Lower Upper

75 100

53 0.5 78.0 117.0#

89 0.0 35.5 53.3#





#84

1,2,4-Trimethylbenzene

Concen: 0.270 ug/l

RT: 13.488 min Scan# 1960

Delta R.T. 0.006 min

Lab File: VN084786.D

Acq: 11 Nov 2024 20:54

Instrument :

MSVOA_N

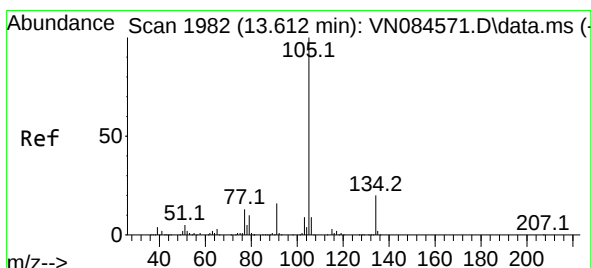
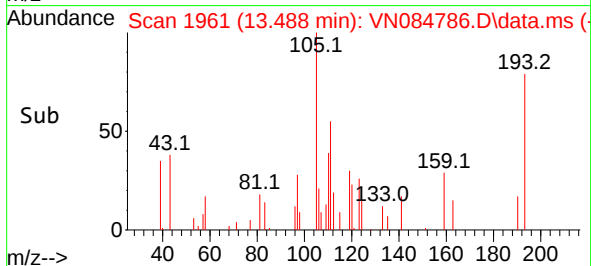
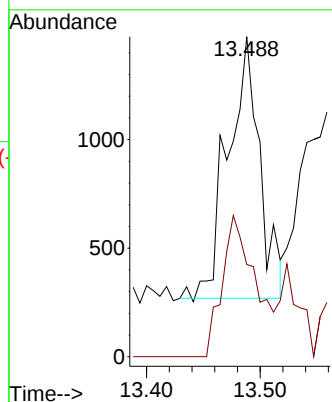
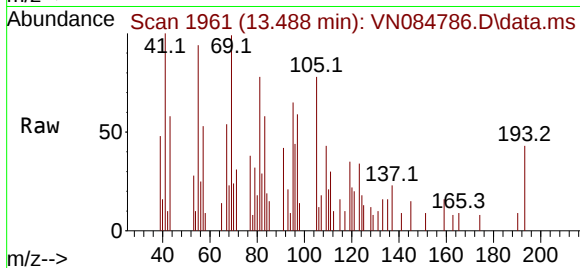
ClientSampleId :

Tgt Ion:105 Resp: 2354

Ion Ratio Lower Upper

105 100

120 55.7 22.3 66.8



#85

sec-Butylbenzene

Concen: 0.408 ug/l

RT: 13.818 min Scan# 2017

Delta R.T. 0.200 min

Lab File: VN084786.D

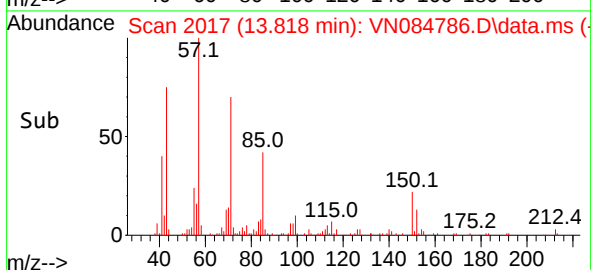
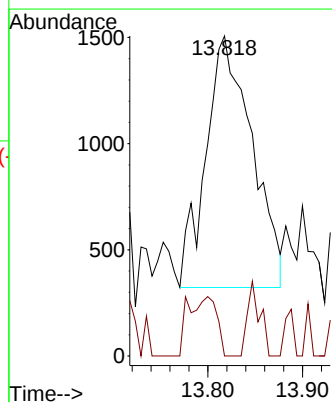
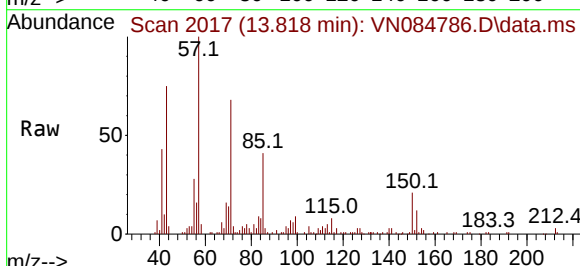
Acq: 11 Nov 2024 20:54

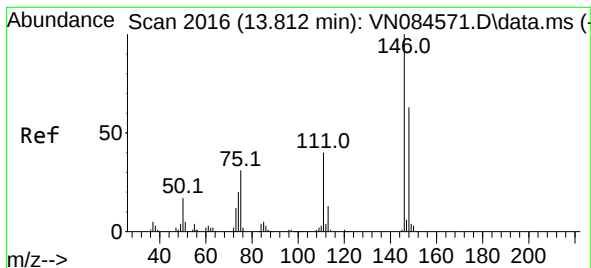
Tgt Ion:105 Resp: 4023

Ion Ratio Lower Upper

105 100

134 14.5 9.8 29.4





#88

1,4-Dichlorobenzene

Concen: Below Cal

RT: 13.800 min Scan# 2016

Delta R.T. -0.012 min

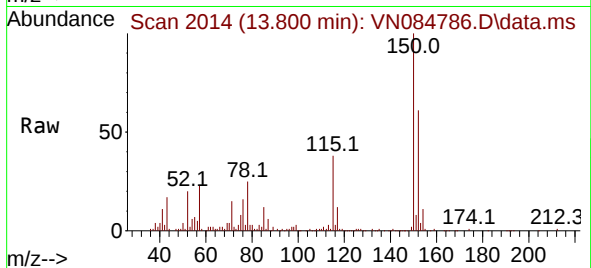
Lab File: VN084786.D

Acq: 11 Nov 2024 20:54

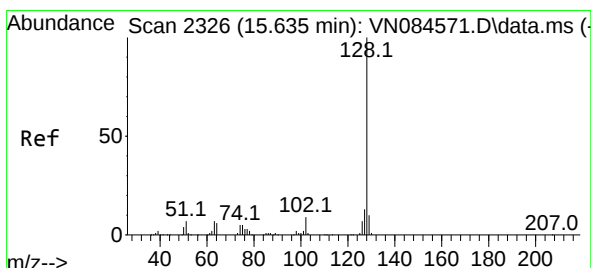
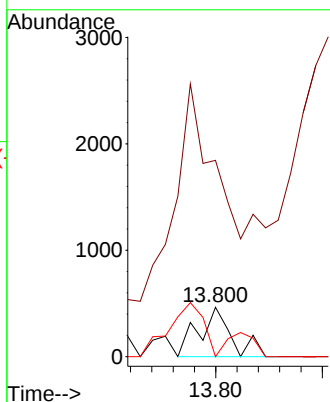
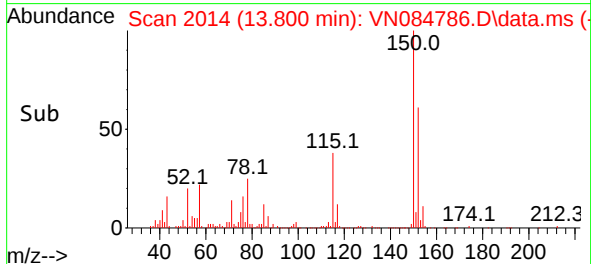
Instrument :

MSVOA_N

ClientSampleId :



Tgt Ion:	146	Resp:	492
Ion	Ratio	Lower	Upper
146	100		
111	0.0	21.2	63.6#
148	40.9	31.9	95.9



#95

Naphthalene

Concen: 0.250 ug/l

RT: 15.647 min Scan# 2328

Delta R.T. 0.012 min

Lab File: VN084786.D

Acq: 11 Nov 2024 20:54

Tgt Ion:	128	Resp:	2103
Ion	Ratio	Lower	Upper
128	100		
127	41.7	10.5	15.7#
129	31.7	8.7	13.1#

