

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN103024\
 Data File : VN084605.D
 Acq On : 31 Oct 2024 06:57
 Operator : JC\MD
 Sample : PB164501ZHE#14
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 37 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 PB164501ZHE#14

Quant Time: Nov 01 06:18:42 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

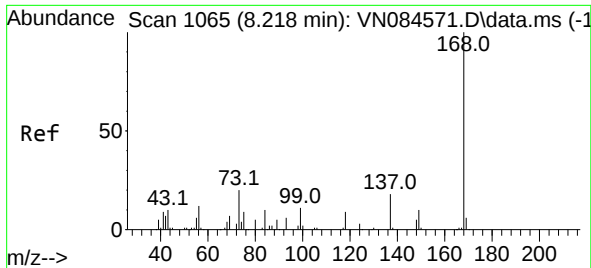
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Pentafluorobenzene	8.224	168	171568	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	311127	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	285569	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	121995	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.577	65	127842	51.590	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 103.180%			
35) Dibromofluoromethane	8.165	113	100726	47.829	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 95.660%			
50) Toluene-d8	10.565	98	373263	48.115	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 96.240%			
62) 4-Bromofluorobenzene	12.847	95	132325	45.640	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 91.280%			
Target Compounds						
					Qvalue	
3) Chloromethane	2.371	50	1095	Below Cal	#	41
6) Chloroethane	3.159	64	299	Below Cal	#	45
11) Tert butyl alcohol	5.483	59	1831	5.598	ug/l #	73
16) Acetone	4.430	43	25254	32.802	ug/l	93
18) Methyl Acetate	5.036	43	15097	1.937	ug/l	98
20) Methylene Chloride	5.265	84	2566	1.177	ug/l #	67
25) 2-Butanone	7.488	43	2601	2.250	ug/l #	74
31) Cyclohexane	8.218	56	3823	1.117	ug/l #	10
36) 1,1-Dichloropropene	8.218	75	14602	4.999	ug/l #	50
37) Ethyl Acetate	7.565	43	2930	1.106	ug/l #	80
38) Carbon Tetrachloride	8.224	117	19232	5.891	ug/l #	15
42) 1,2-Dichloroethane	8.682	62	882	0.290	ug/l #	75
43) Isopropyl Acetate	8.688	43	213298	43.443	ug/l #	78
45) 1,2-Dichloropropane	9.735	63	1418	0.644	ug/l #	44
48) Methyl methacrylate	9.665	41	3260	1.581	ug/l #	42
51) 4-Methyl-2-Pentanone	10.447	43	9126	3.613	ug/l #	73
53) t-1,3-Dichloropropene	10.729	75	728	0.215	ug/l #	43
54) cis-1,3-Dichloropropene	10.359	75	41208	11.493	ug/l #	65
57) 1,3-Dichloropropane	11.200	76	5432	1.532	ug/l #	42
59) 2-Hexanone	11.200	43	63321	34.437	ug/l #	58
71) Bromoform	12.847	173	840	0.502	ug/l #	1
74) N-amyl acetate	12.476	43	1699	0.467	ug/l #	42
76) 1,2,3-Trichloropropane	12.847	75	68745	28.190	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.847	75	68745	66.878	ug/l #	11

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

Quant Time: Nov 01 06:18:42 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

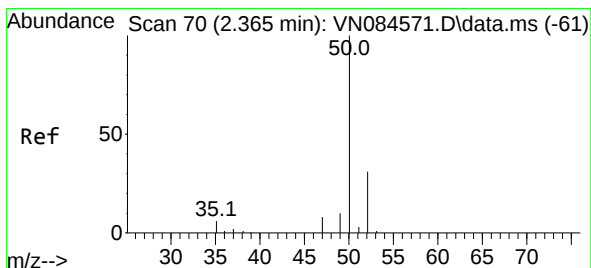
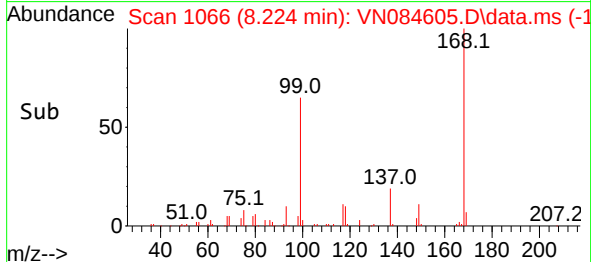
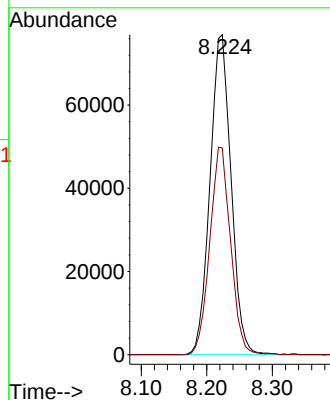
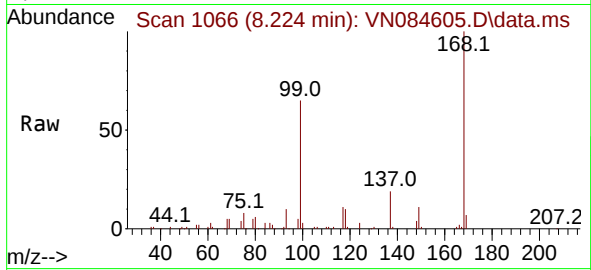




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.224 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN084605.D
Acq: 31 Oct 2024 06:57

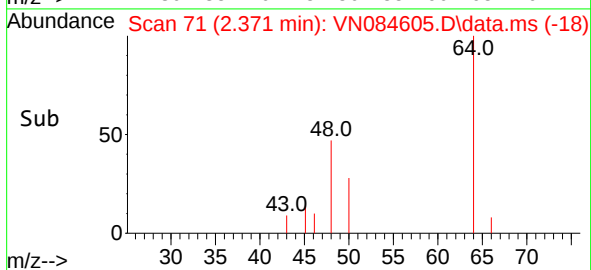
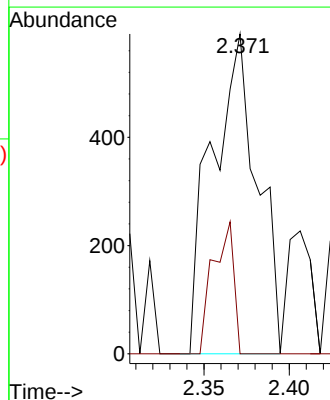
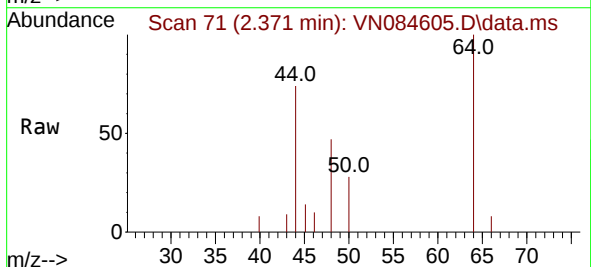
Instrument :
MSVOA_N
ClientSampleId :
PB164501ZHE#14

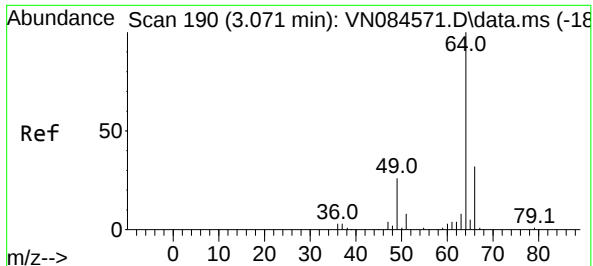
Tgt Ion:168 Resp: 171568
Ion Ratio Lower Upper
168 100
99 64.6 54.2 81.2



#3
Chloromethane
Concen: Below Cal
RT: 2.371 min Scan# 71
Delta R.T. 0.012 min
Lab File: VN084605.D
Acq: 31 Oct 2024 06:57

Tgt Ion: 50 Resp: 1095
Ion Ratio Lower Upper
50 100
52 0.0 26.8 40.2#

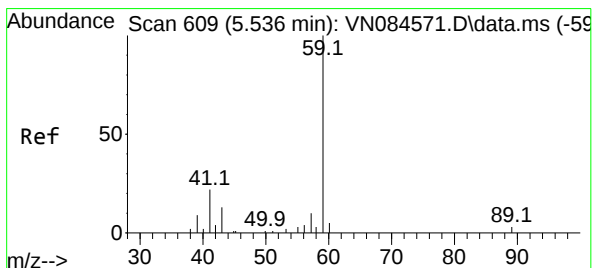
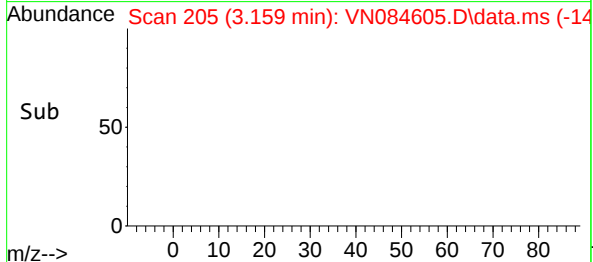
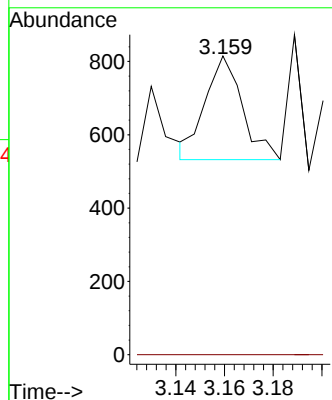
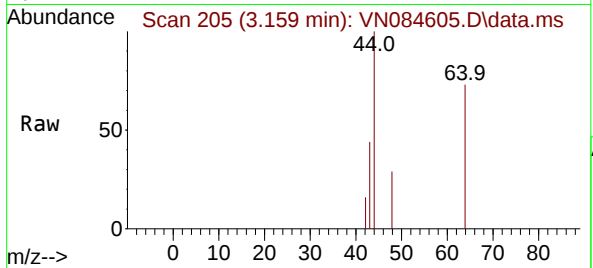




#6
Chloroethane
Concen: Below Cal
RT: 3.159 min Scan# 205
Delta R.T. 0.041 min
Lab File: VN084605.D
Acq: 31 Oct 2024 06:57

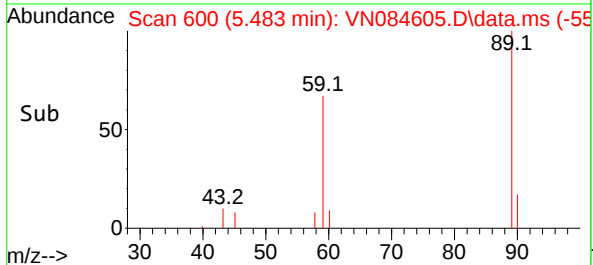
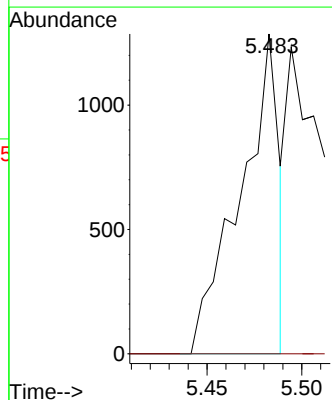
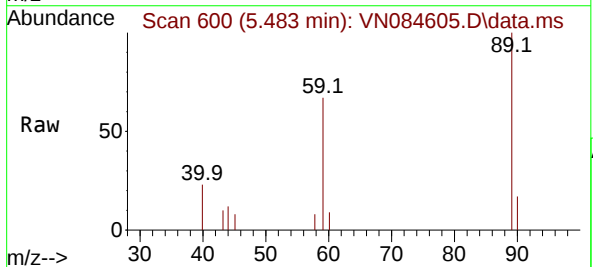
Instrument :
MSVOA_N
ClientSampleId :
PB164501ZHE#14

Tgt Ion: 64 Resp: 299
Ion Ratio Lower Upper
64 100
66 0.0 23.5 35.3#



#11
Tert butyl alcohol
Concen: 5.598 ug/l
RT: 5.483 min Scan# 600
Delta R.T. -0.041 min
Lab File: VN084605.D
Acq: 31 Oct 2024 06:57

Tgt Ion: 59 Resp: 1831
Ion Ratio Lower Upper
59 100
57 0.0 8.2 12.2#





#16

Acetone

Concen: 32.802 ug/l

RT: 4.430 min Scan# 41

Delta R.T. 0.006 min

Lab File: VN084605.D

Acq: 31 Oct 2024 06:57

Instrument :

MSVOA_N

ClientSampleId :

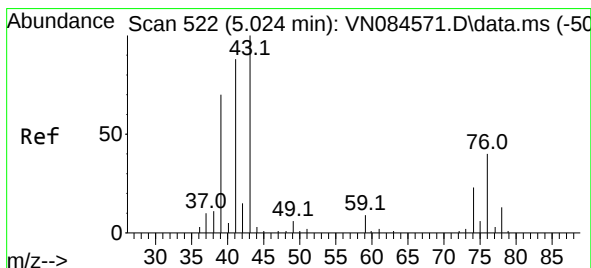
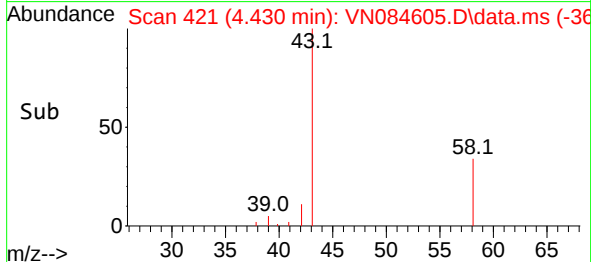
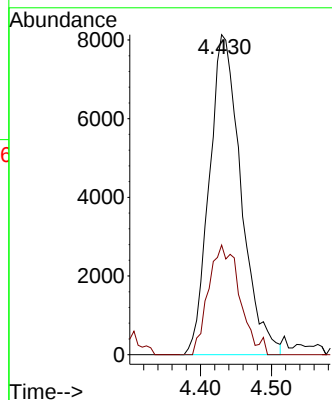
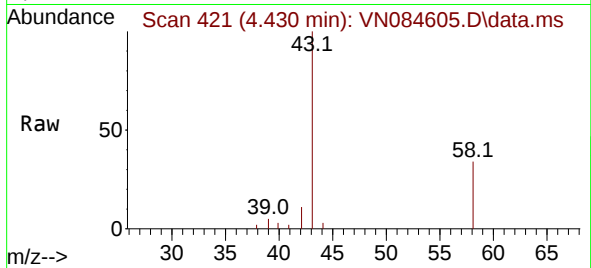
PB164501ZHE#14

Tgt Ion: 43 Resp: 25254

Ion Ratio Lower Upper

43 100

58 34.2 24.4 36.6



#18

Methyl Acetate

Concen: 1.937 ug/l

RT: 5.036 min Scan# 524

Delta R.T. 0.018 min

Lab File: VN084605.D

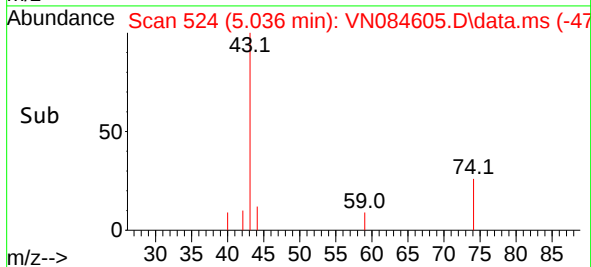
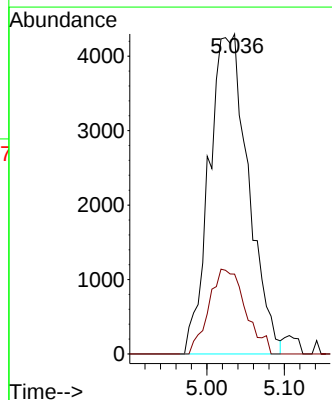
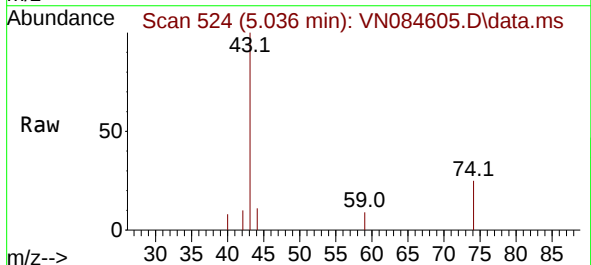
Acq: 31 Oct 2024 06:57

Tgt Ion: 43 Resp: 15097

Ion Ratio Lower Upper

43 100

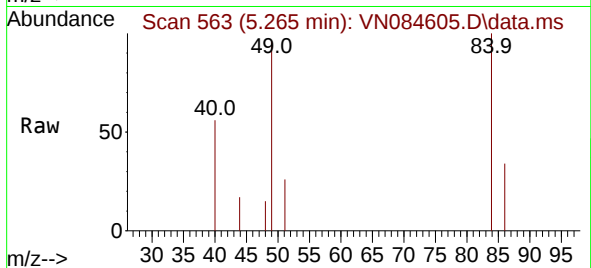
74 24.7 19.2 28.8



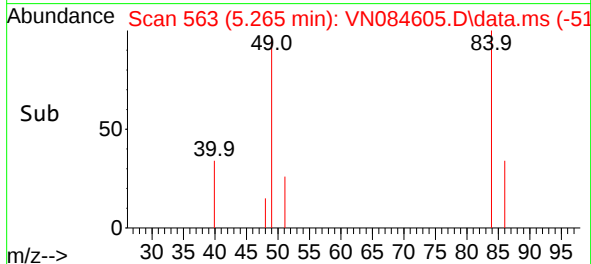
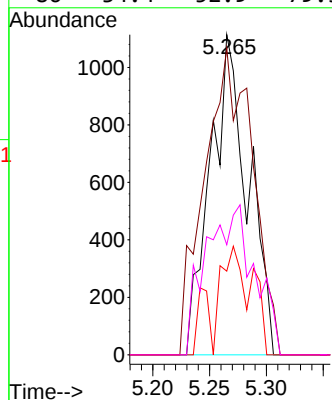


#20
Methylene Chloride
Concen: 1.177 ug/l
RT: 5.265 min Scan# 51
Delta R.T. -0.012 min
Lab File: VN084605.D
Acq: 31 Oct 2024 06:57

Instrument :
MSVOA_N
ClientSampleId :
PB164501ZHE#14

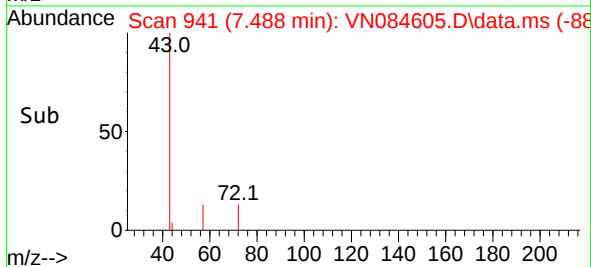
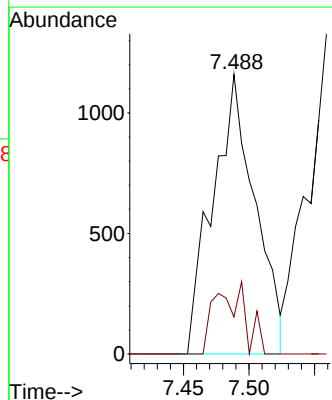
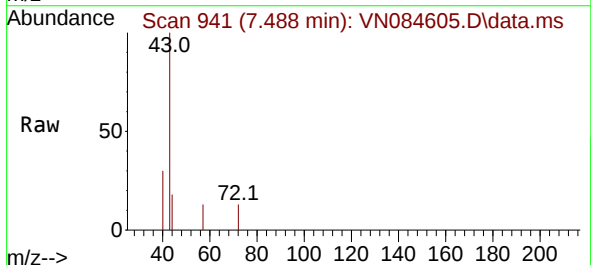


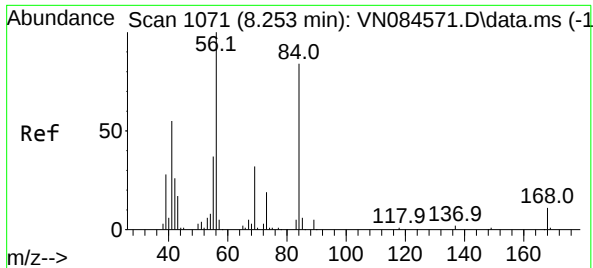
Tgt Ion	84	Resp:	2566
Ion Ratio	100	Lower	Upper
49	95.9	107.2	160.8#
51	26.1	31.8	47.8#
86	34.4	52.9	79.3#



#25
2-Butanone
Concen: 2.250 ug/l
RT: 7.488 min Scan# 941
Delta R.T. 0.006 min
Lab File: VN084605.D
Acq: 31 Oct 2024 06:57

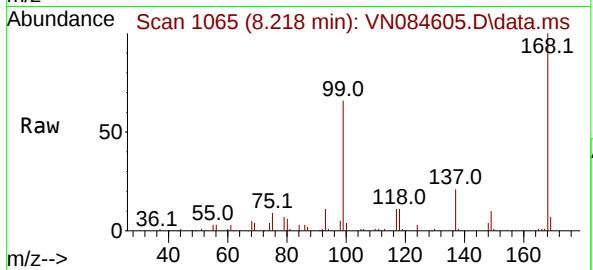
Tgt Ion	43	Resp:	2601
Ion Ratio	100	Lower	Upper
72	13.3	21.4	32.2#





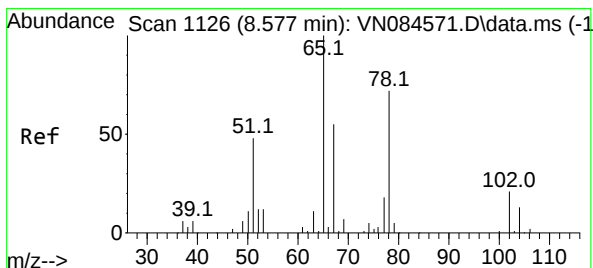
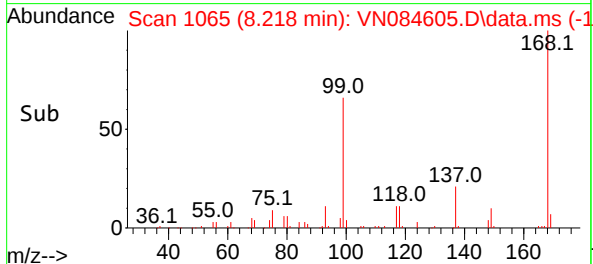
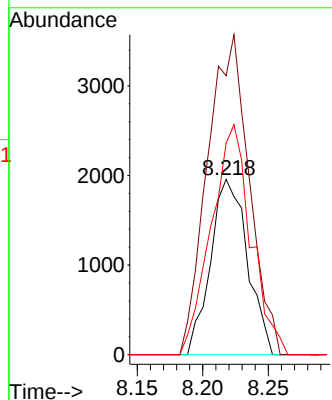
#31
Cyclohexane
Concen: 1.117 ug/l
RT: 8.218 min Scan# 1065
Delta R.T. -0.035 min
Lab File: VN084605.D
Acq: 31 Oct 2024 06:57

Instrument :
MSVOA_N
ClientSampleId :
PB164501ZHE#14



Tgt Ion: 56 Resp: 3823

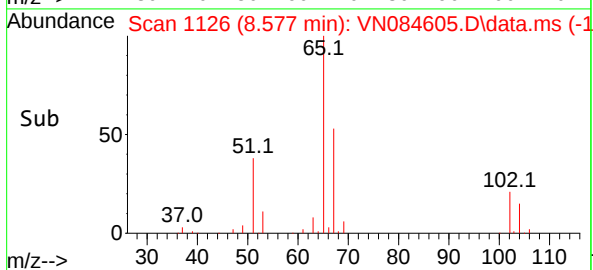
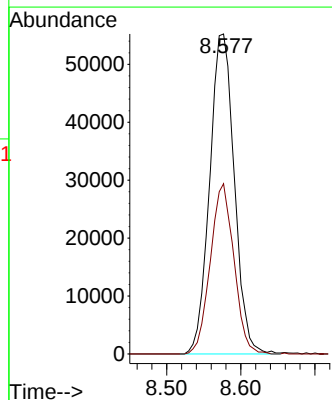
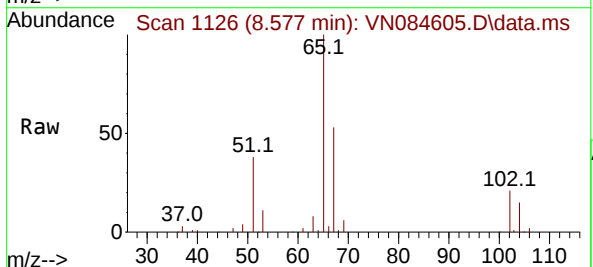
Ion	Ratio	Lower	Upper
56	100		
69	159.2	23.8	35.6#
84	120.7	68.8	103.2#

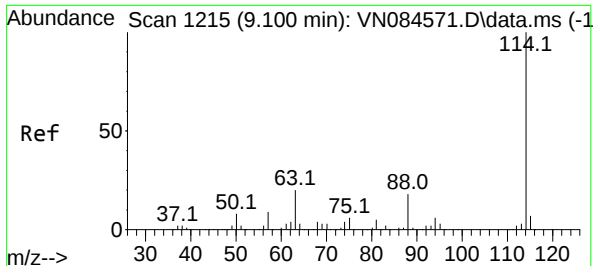


#33
1,2-Dichloroethane-d4
Concen: 51.590 ug/l
RT: 8.577 min Scan# 1126
Delta R.T. -0.000 min
Lab File: VN084605.D
Acq: 31 Oct 2024 06:57

Tgt Ion: 65 Resp: 127842

Ion	Ratio	Lower	Upper
65	100		
67	50.8	0.0	102.0





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.100 min Scan# 1

Delta R.T. 0.000 min

Lab File: VN084605.D

Acq: 31 Oct 2024 06:57

Instrument :

MSVOA_N

ClientSampleId :

PB164501ZHE#14

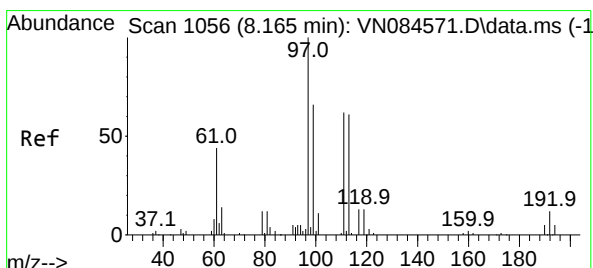
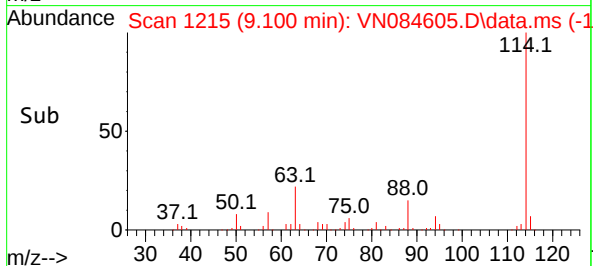
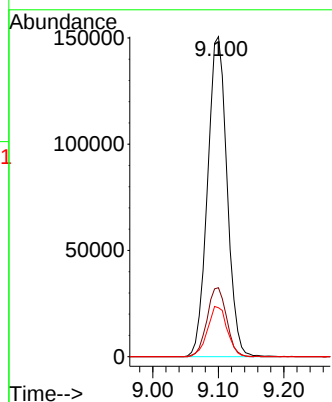
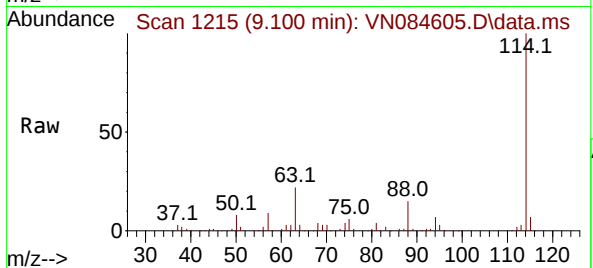
Tgt Ion:114 Resp: 311127

Ion Ratio Lower Upper

114 100

63 21.6 0.0 43.8

88 15.3 0.0 31.6



#35

Dibromofluoromethane

Concen: 47.829 ug/l

RT: 8.165 min Scan# 1056

Delta R.T. 0.000 min

Lab File: VN084605.D

Acq: 31 Oct 2024 06:57

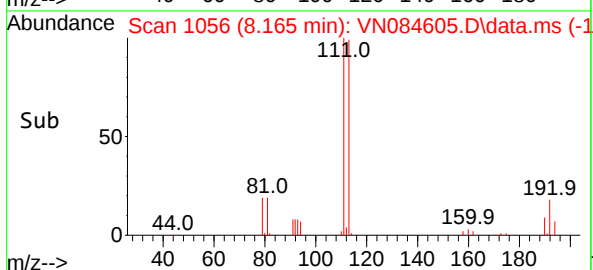
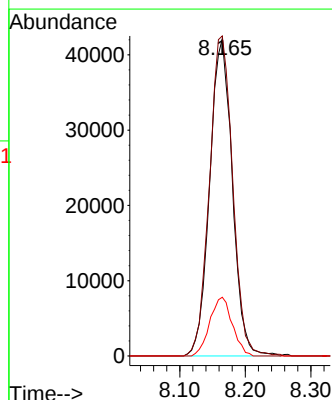
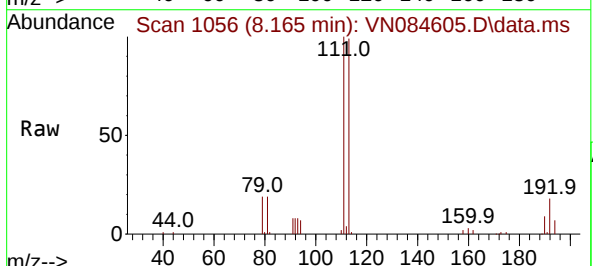
Tgt Ion:113 Resp: 100726

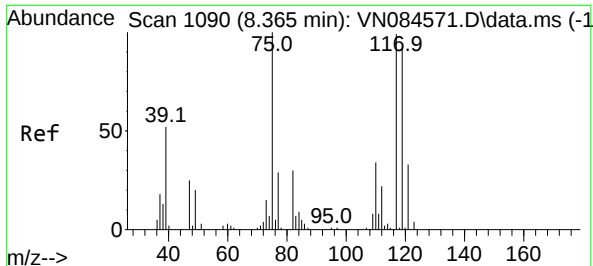
Ion Ratio Lower Upper

113 100

111 103.8 83.3 124.9

192 18.5 13.5 20.3





#36

1,1-Dichloropropene

Concen: 4.999 ug/l

RT: 8.218 min Scan# 1

Delta R.T. -0.153 min

Lab File: VN084605.D

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PB164501ZHE#14

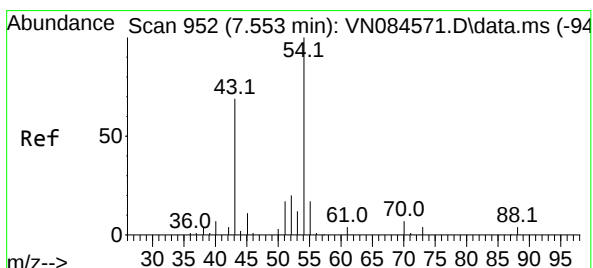
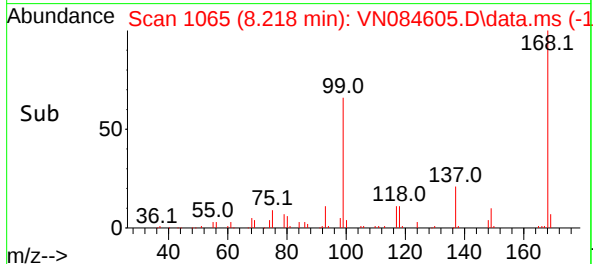
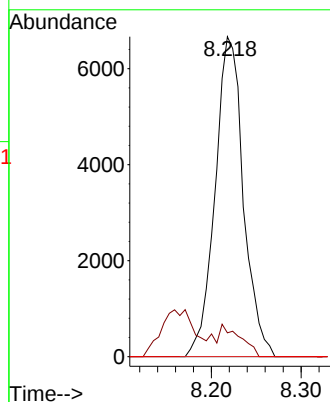
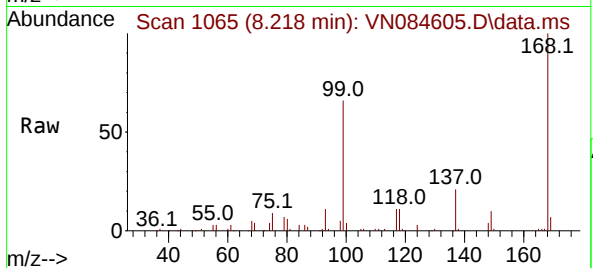
Tgt Ion: 75 Resp: 14602

Ion Ratio Lower Upper

75 100

110 9.0 16.9 50.7#

77 0.0 24.7 37.1#



#37

Ethyl Acetate

Concen: 1.106 ug/l

RT: 7.565 min Scan# 954

Delta R.T. 0.006 min

Lab File: VN084605.D

Acq: 31 Oct 2024 06:57

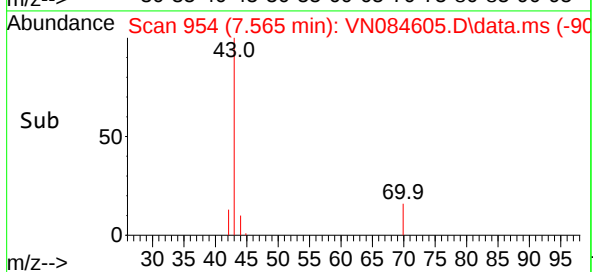
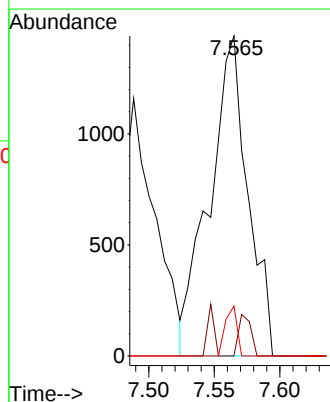
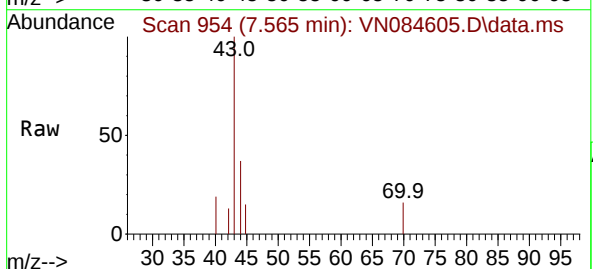
Tgt Ion: 43 Resp: 2930

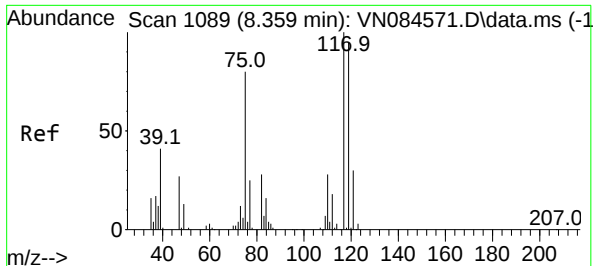
Ion Ratio Lower Upper

43 100

61 4.1 10.7 16.1#

70 4.7 8.8 13.2#

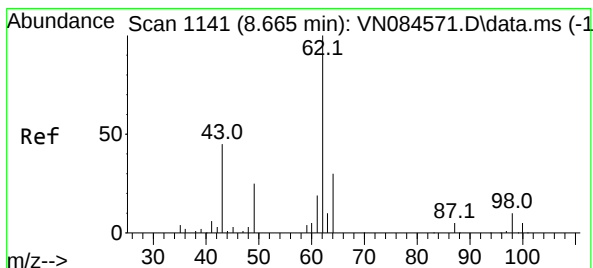
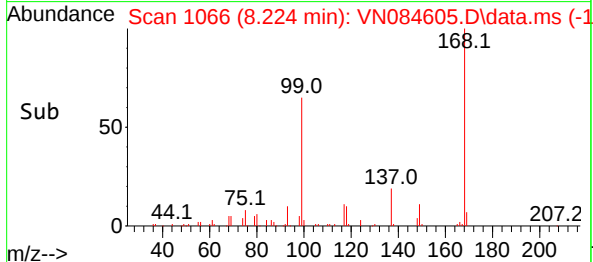
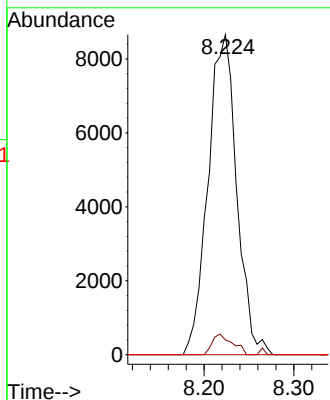
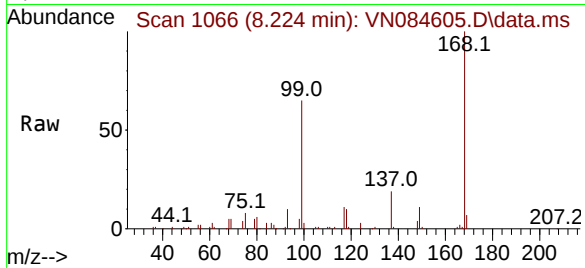




#38
Carbon Tetrachloride
Concen: 5.891 ug/l
RT: 8.224 min Scan# 1106
Delta R.T. -0.135 min
Lab File: VN084605.D
Acq: 31 Oct 2024 06:57

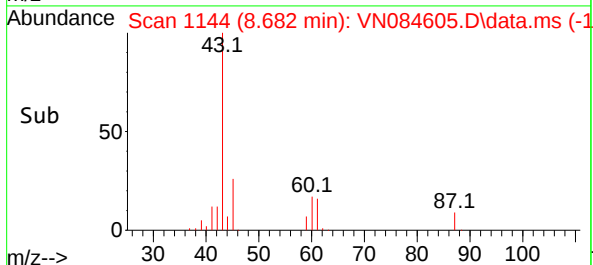
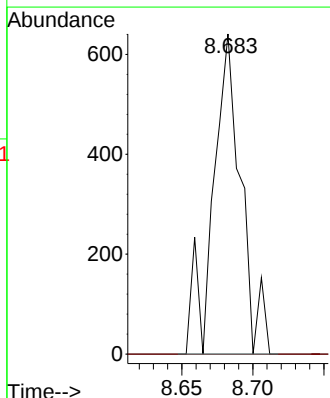
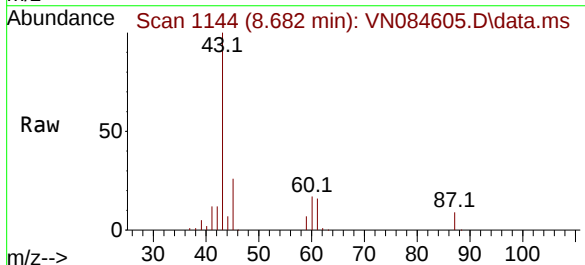
Instrument :
MSVOA_N
ClientSampleId :
PB164501ZHE#14

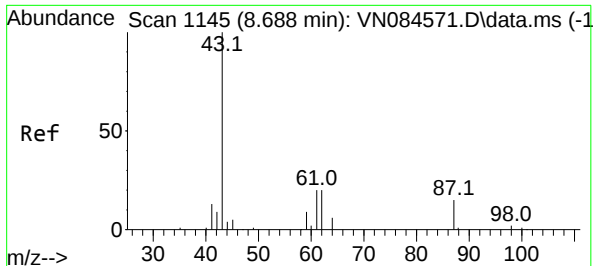
Tgt Ion:117 Resp: 19232
Ion Ratio Lower Upper
117 100
119 4.6 78.7 118.1#
121 0.0 24.4 36.6#



#42
1,2-Dichloroethane
Concen: 0.290 ug/l
RT: 8.682 min Scan# 1144
Delta R.T. 0.011 min
Lab File: VN084605.D
Acq: 31 Oct 2024 06:57

Tgt Ion: 62 Resp: 882
Ion Ratio Lower Upper
62 100
98 0.0 0.0 18.2

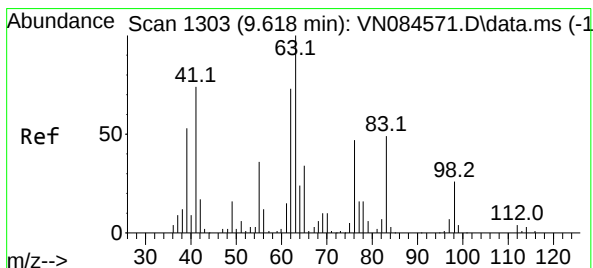
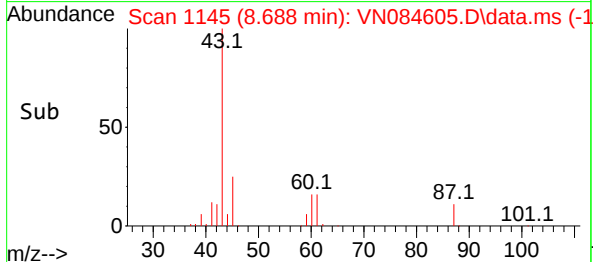
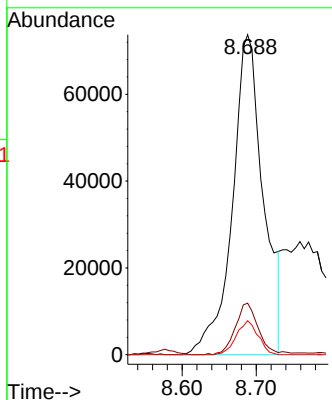
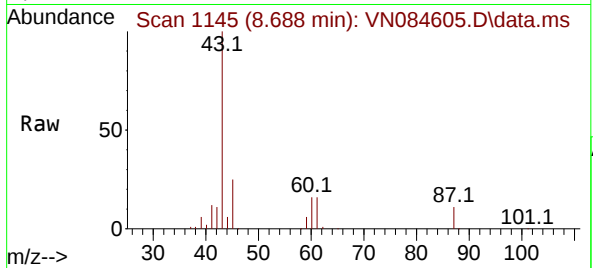




#43
Isopropyl Acetate
Concen: 43.443 ug/l
RT: 8.688 min Scan# 1145
Delta R.T. 0.000 min
Lab File: VN084605.D
Acq: 31 Oct 2024 06:57

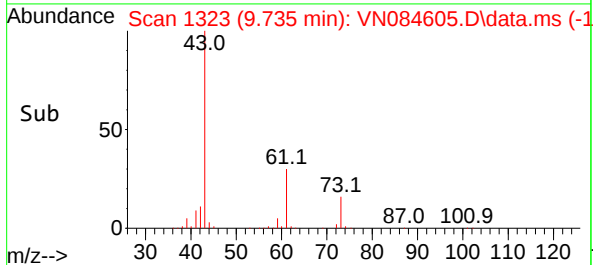
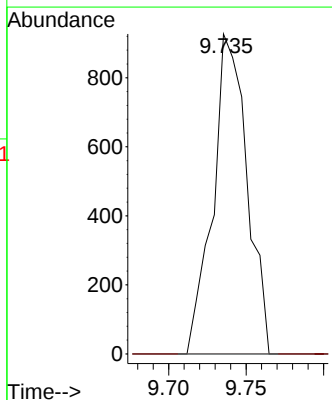
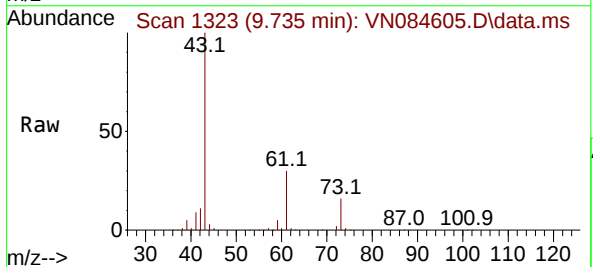
Instrument :
MSVOA_N
ClientSampleId :
PB164501ZHE#14

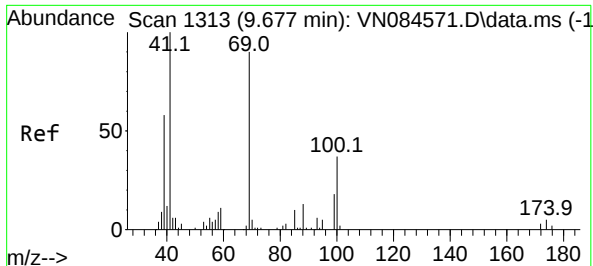
Tgt Ion: 43 Resp: 213298
Ion Ratio Lower Upper
43 100
61 12.2 20.4 30.6#
87 7.4 10.3 15.5#



#45
1,2-Dichloropropane
Concen: 0.644 ug/l
RT: 9.735 min Scan# 1323
Delta R.T. 0.117 min
Lab File: VN084605.D
Acq: 31 Oct 2024 06:57

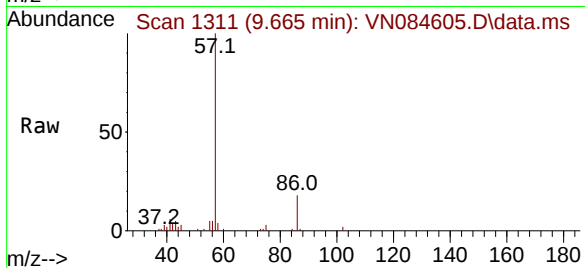
Tgt Ion: 63 Resp: 1418
Ion Ratio Lower Upper
63 100
65 0.0 24.6 37.0#



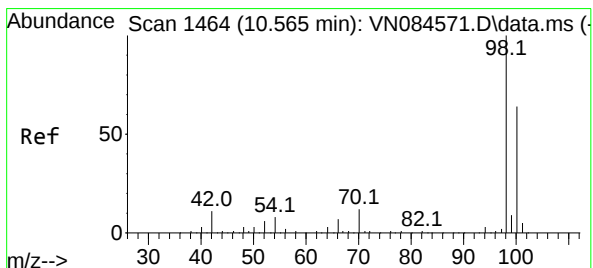
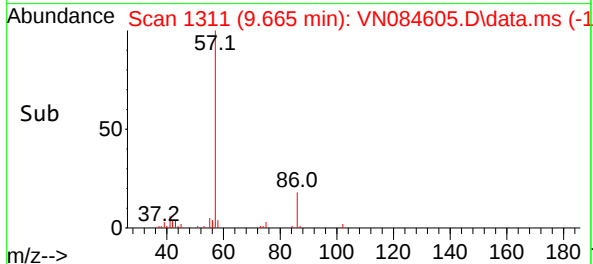
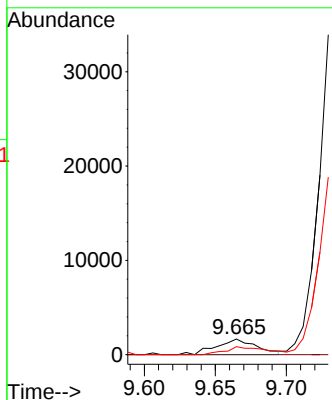


#48
Methyl methacrylate
Concen: 1.581 ug/l
RT: 9.665 min Scan# 1311
Delta R.T. -0.012 min
Lab File: VN084605.D
Acq: 31 Oct 2024 06:57

Instrument :
MSVOA_N
ClientSampleId :
PB164501ZHE#14

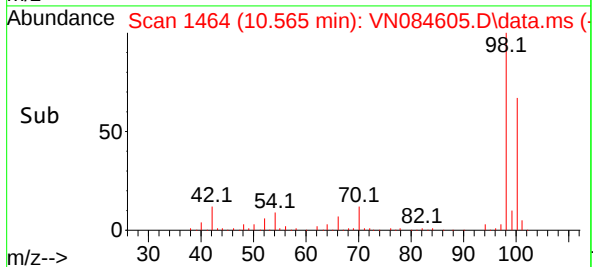
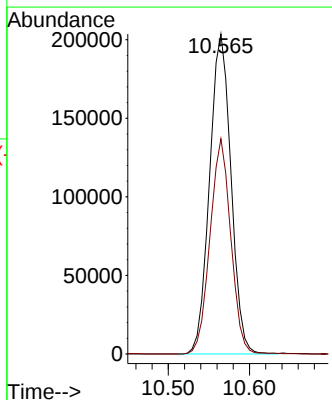
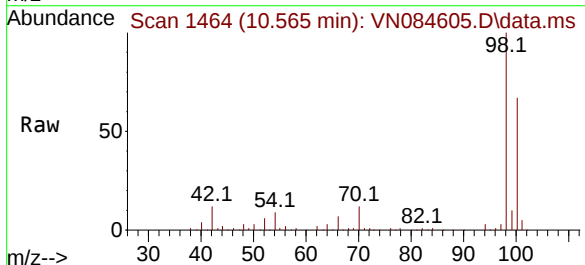


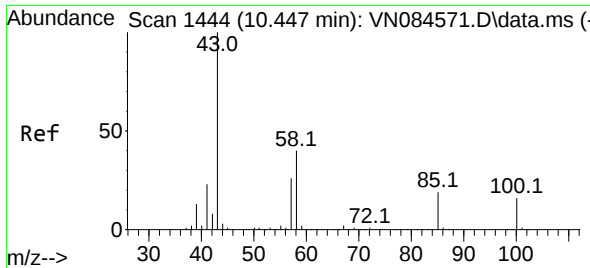
Tgt Ion: 41 Resp: 3260
Ion Ratio Lower Upper
41 100
69 0.0 67.1 100.7#
39 52.2 45.8 68.6



#50
Toluene-d8
Concen: 48.115 ug/l
RT: 10.565 min Scan# 1464
Delta R.T. -0.000 min
Lab File: VN084605.D
Acq: 31 Oct 2024 06:57

Tgt Ion: 98 Resp: 373263
Ion Ratio Lower Upper
98 100
100 65.1 52.7 79.1

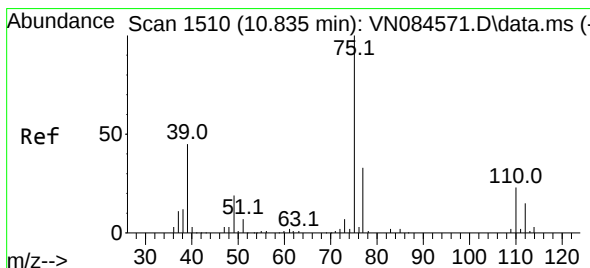
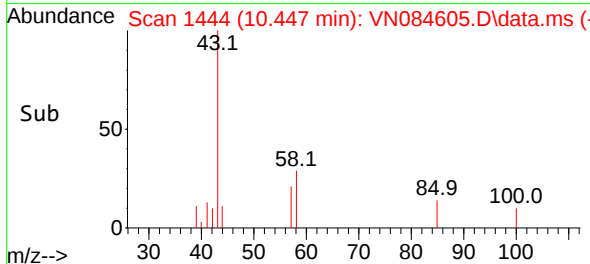
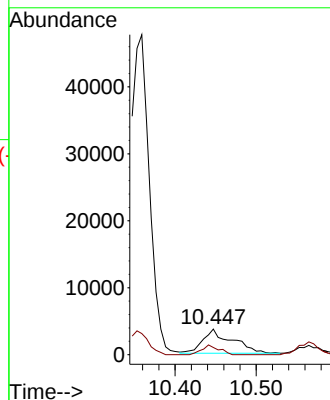
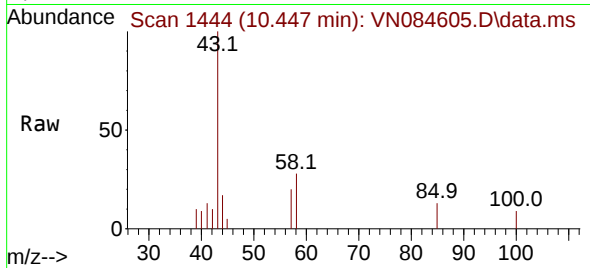




#51
4-Methyl-2-Pentanone
Concen: 3.613 ug/l
RT: 10.447 min Scan# 1444
Delta R.T. 0.006 min
Lab File: VN084605.D
Acq: 31 Oct 2024 06:57

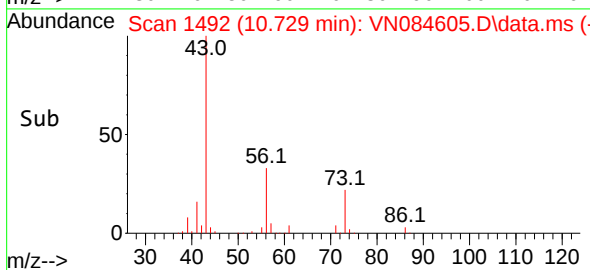
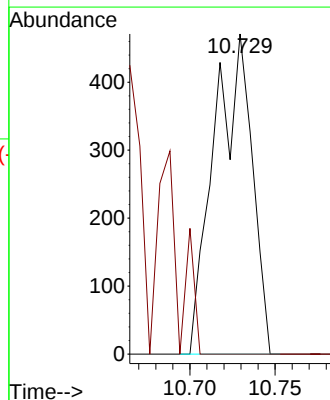
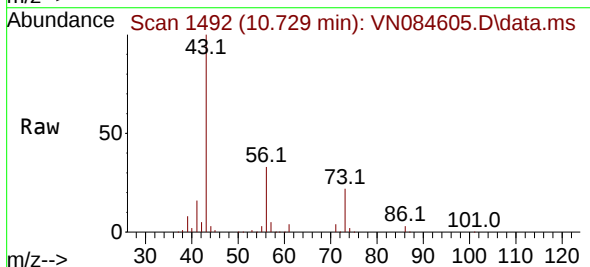
Instrument :
MSVOA_N
ClientSampleId :
PB164501ZHE#14

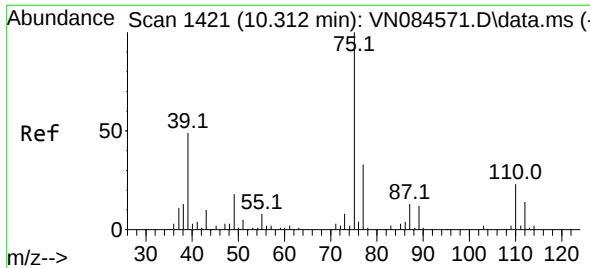
Tgt Ion: 43 Resp: 9126
Ion Ratio Lower Upper
43 100
58 23.1 31.6 47.4#



#53
t-1,3-Dichloropropene
Concen: 0.215 ug/l
RT: 10.729 min Scan# 1492
Delta R.T. -0.106 min
Lab File: VN084605.D
Acq: 31 Oct 2024 06:57

Tgt Ion: 75 Resp: 728
Ion Ratio Lower Upper
75 100
77 0.0 25.4 38.0#

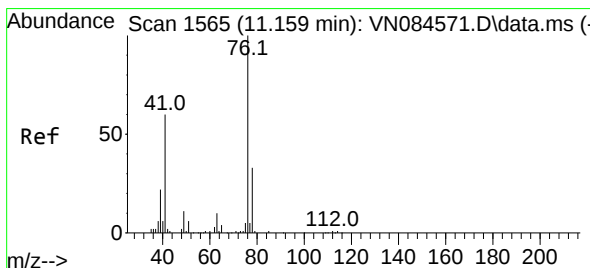
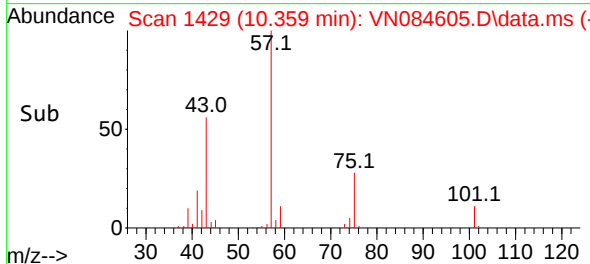
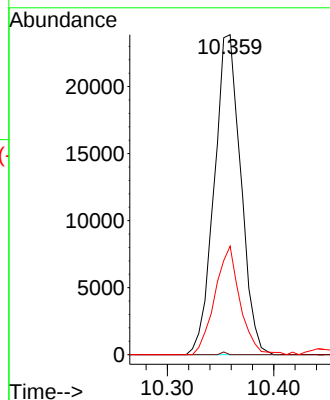
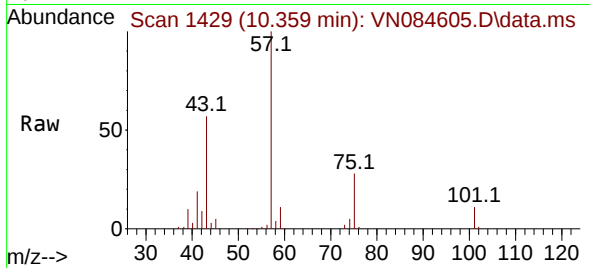




#54
 cis-1,3-Dichloropropene
 Concen: 11.493 ug/l
 RT: 10.359 min Scan# 1429
 Delta R.T. 0.047 min
 Lab File: VN084605.D
 Acq: 31 Oct 2024 06:57

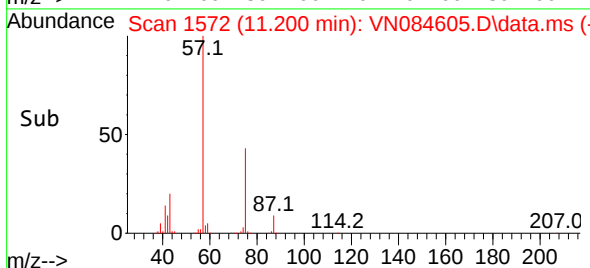
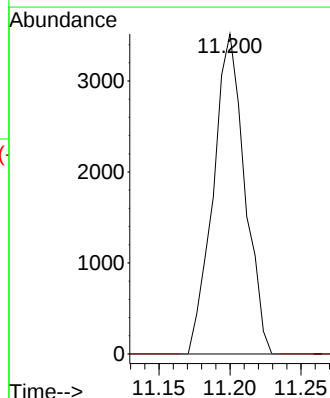
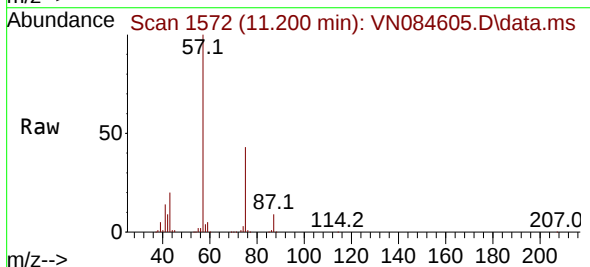
Instrument :
 MSVOA_N
 ClientSampleId :
 PB164501ZHE#14

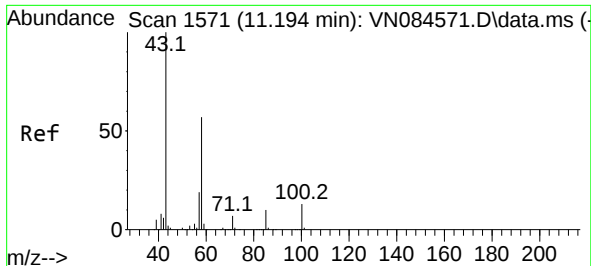
Tgt Ion: 75 Resp: 41208
 Ion Ratio Lower Upper
 75 100
 77 0.0 24.2 36.2#
 39 33.9 38.7 58.1#



#57
 1,3-Dichloropropane
 Concen: 1.532 ug/l
 RT: 11.200 min Scan# 1572
 Delta R.T. 0.041 min
 Lab File: VN084605.D
 Acq: 31 Oct 2024 06:57

Tgt Ion: 76 Resp: 5432
 Ion Ratio Lower Upper
 76 100
 78 0.0 25.8 38.6#

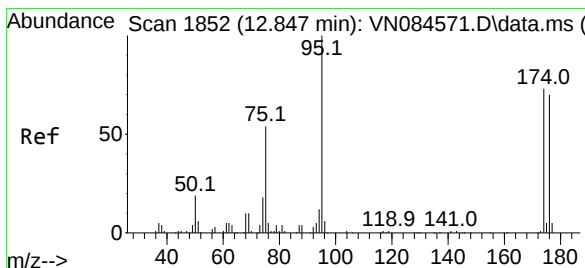
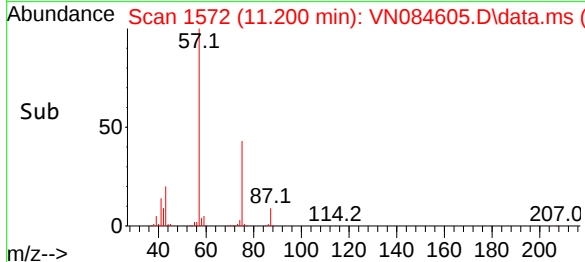
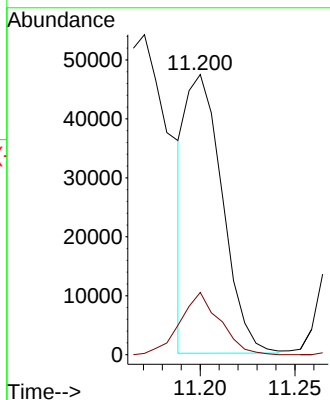
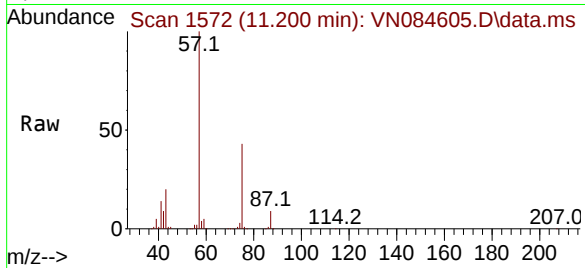




#59
2-Hexanone
Concen: 34.437 ug/l
RT: 11.200 min Scan# 11
Delta R.T. 0.006 min
Lab File: VN084605.D
Acq: 31 Oct 2024 06:57

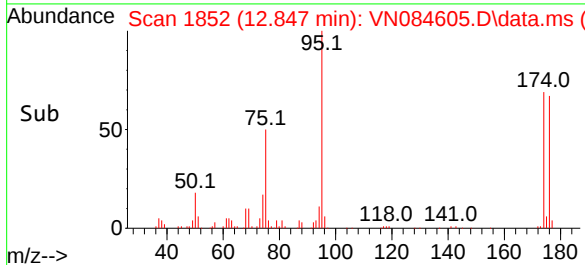
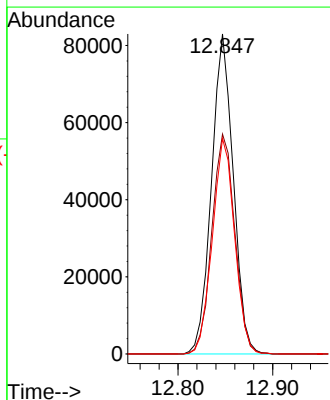
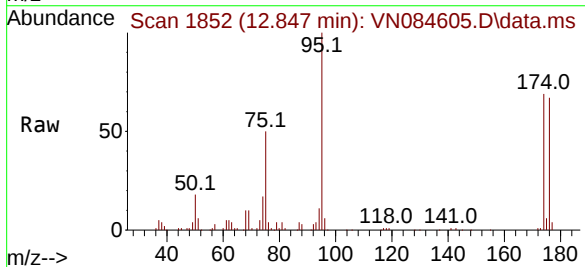
Instrument :
MSVOA_N
ClientSampleId :
PB164501ZHE#14

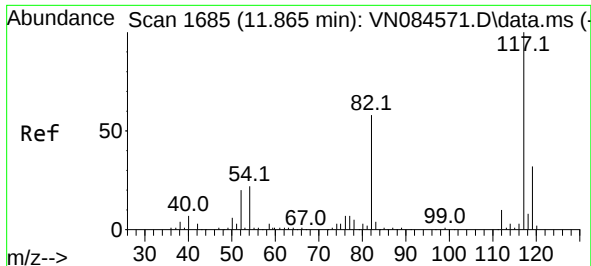
Tgt Ion: 43 Resp: 63321
Ion Ratio Lower Upper
43 100
58 24.4 27.3 81.8#



#62
4-Bromofluorobenzene
Concen: 45.640 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. 0.000 min
Lab File: VN084605.D
Acq: 31 Oct 2024 06:57

Tgt Ion: 95 Resp: 132325
Ion Ratio Lower Upper
95 100
174 72.5 0.0 145.2
176 68.9 0.0 140.0

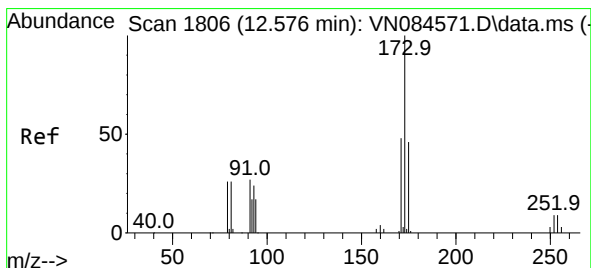
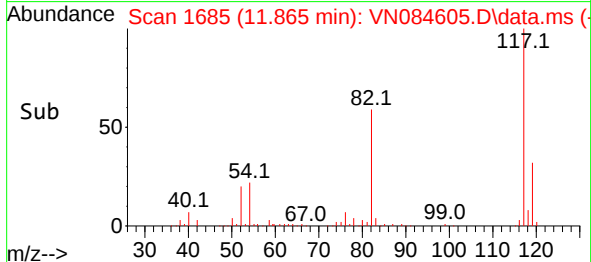
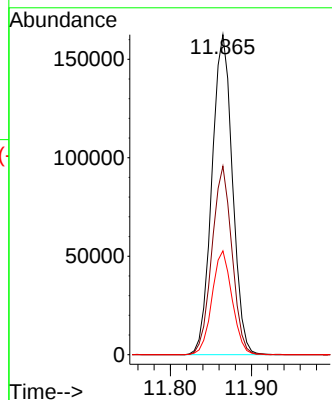
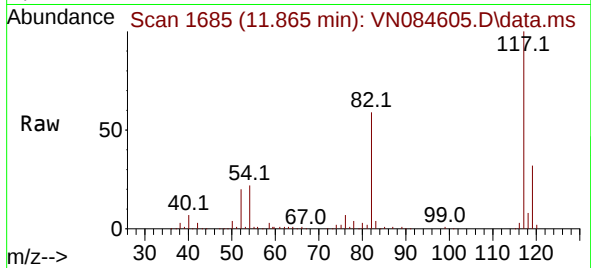




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 117
Delta R.T. -0.000 min
Lab File: VN084605.D
Acq: 31 Oct 2024 06:57

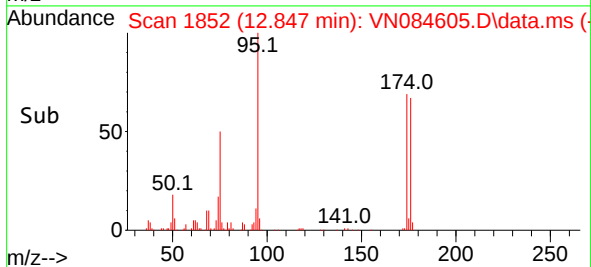
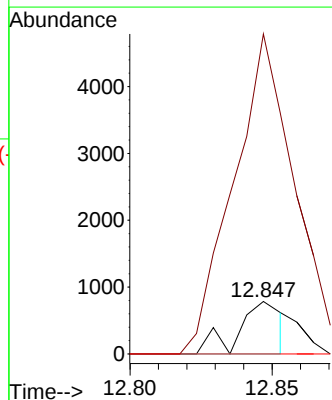
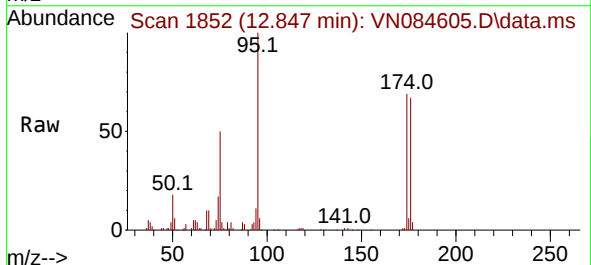
Instrument :
MSVOA_N
ClientSampleId :
PB164501ZHE#14

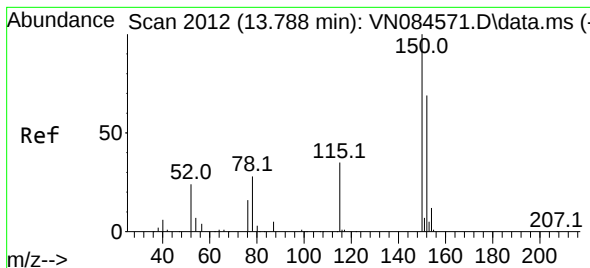
Tgt Ion:117 Resp: 285569
Ion Ratio Lower Upper
117 100
82 58.9 47.2 70.8
119 32.4 25.4 38.0



#71
Bromoform
Concen: 0.502 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. 0.271 min
Lab File: VN084605.D
Acq: 31 Oct 2024 06:57

Tgt Ion:173 Resp: 840
Ion Ratio Lower Upper
173 100
175 666.0 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: VN084605.D

Acq: 31 Oct 2024 06:57

Instrument :

MSVOA_N

ClientSampleId :

PB164501ZHE#14

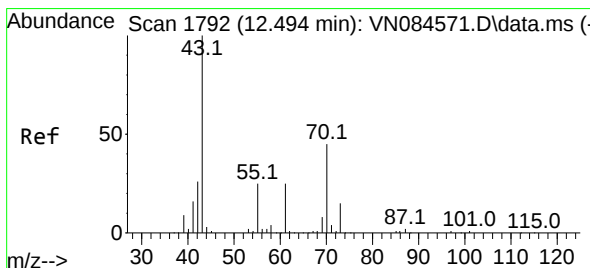
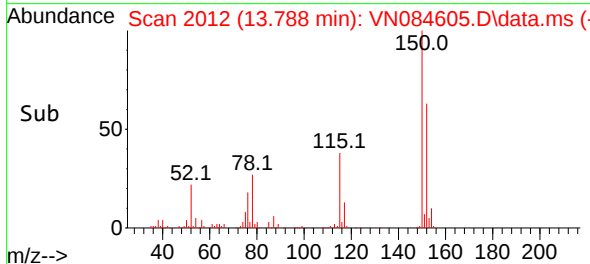
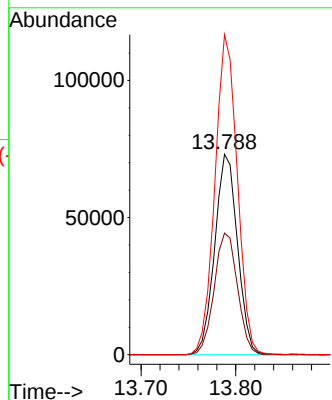
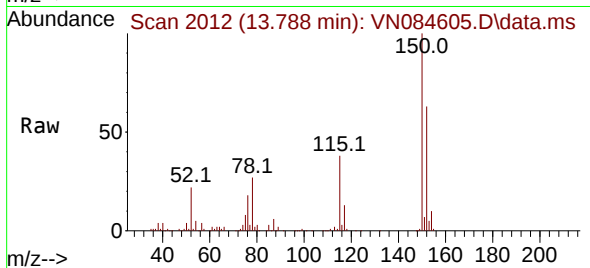
Tgt Ion:152 Resp: 121995

Ion Ratio Lower Upper

152 100

115 62.1 31.3 93.9

150 157.1 0.0 349.8



#74

N-ethyl acetate

Concen: 0.467 ug/l

RT: 12.476 min Scan# 1789

Delta R.T. -0.018 min

Lab File: VN084605.D

Acq: 31 Oct 2024 06:57

Tgt Ion: 43 Resp: 1699

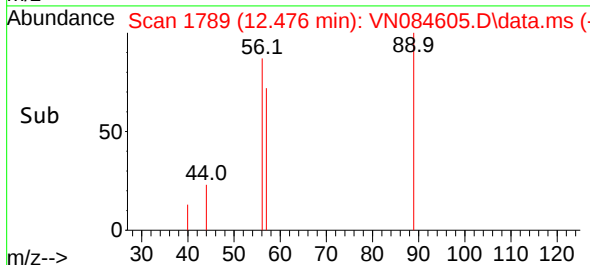
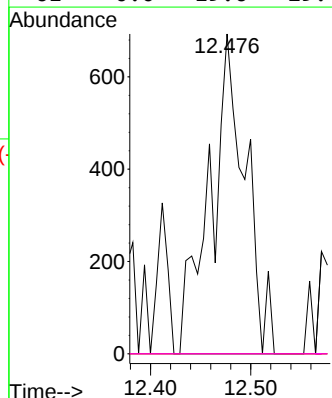
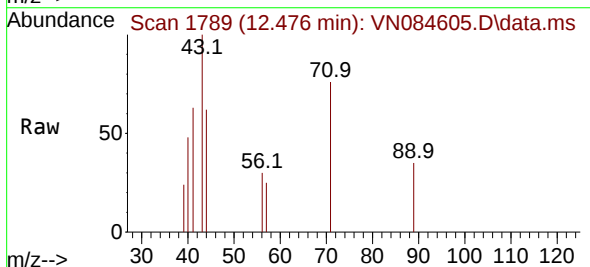
Ion Ratio Lower Upper

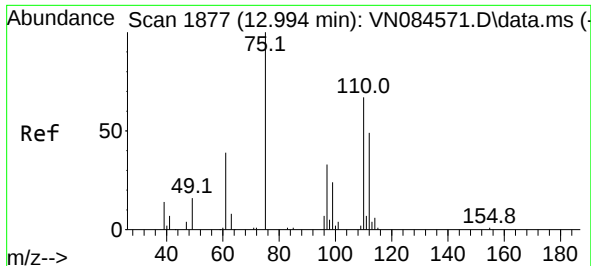
43 100

70 0.0 34.4 51.6#

55 0.0 19.6 29.4#

61 0.0 19.6 29.4#

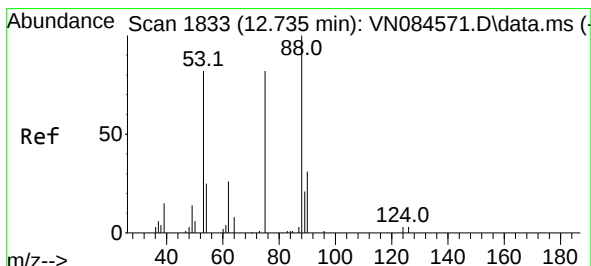
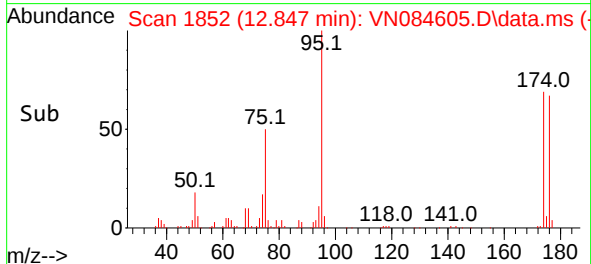
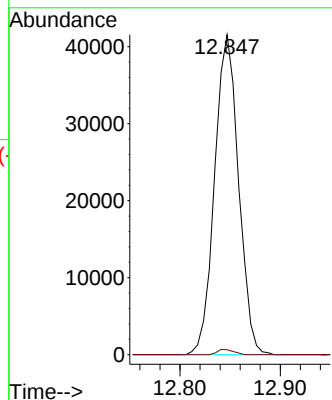
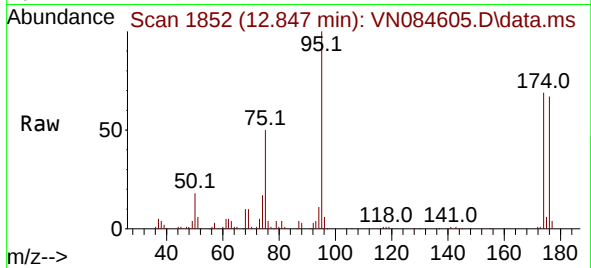




#76
1,2,3-Trichloropropane
Concen: 28.190 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.141 min
Lab File: VN084605.D
Acq: 31 Oct 2024 06:57

Instrument :
MSVOA_N
ClientSampleId :
PB164501ZHE#14

Tgt Ion: 75 Resp: 68745
Ion Ratio Lower Upper
75 100
77 1.1 96.9 290.7#



#81
trans-1,4-Dichloro-2-butene
Concen: 66.878 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. 0.112 min
Lab File: VN084605.D
Acq: 31 Oct 2024 06:57

Tgt Ion: 75 Resp: 68745
Ion Ratio Lower Upper
75 100
53 0.0 78.0 117.0#
89 0.0 35.5 53.3#

