

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN100924\
 Data File : VN084365.D
 Acq On : 09 Oct 2024 14:21
 Operator : JC\MD
 Sample : P4358-01
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Oct 10 01:20:18 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N093024W.M
 Quant Title : SW846 8260
 QLast Update : Tue Oct 01 07:11:01 2024
 Response via : Initial Calibration

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

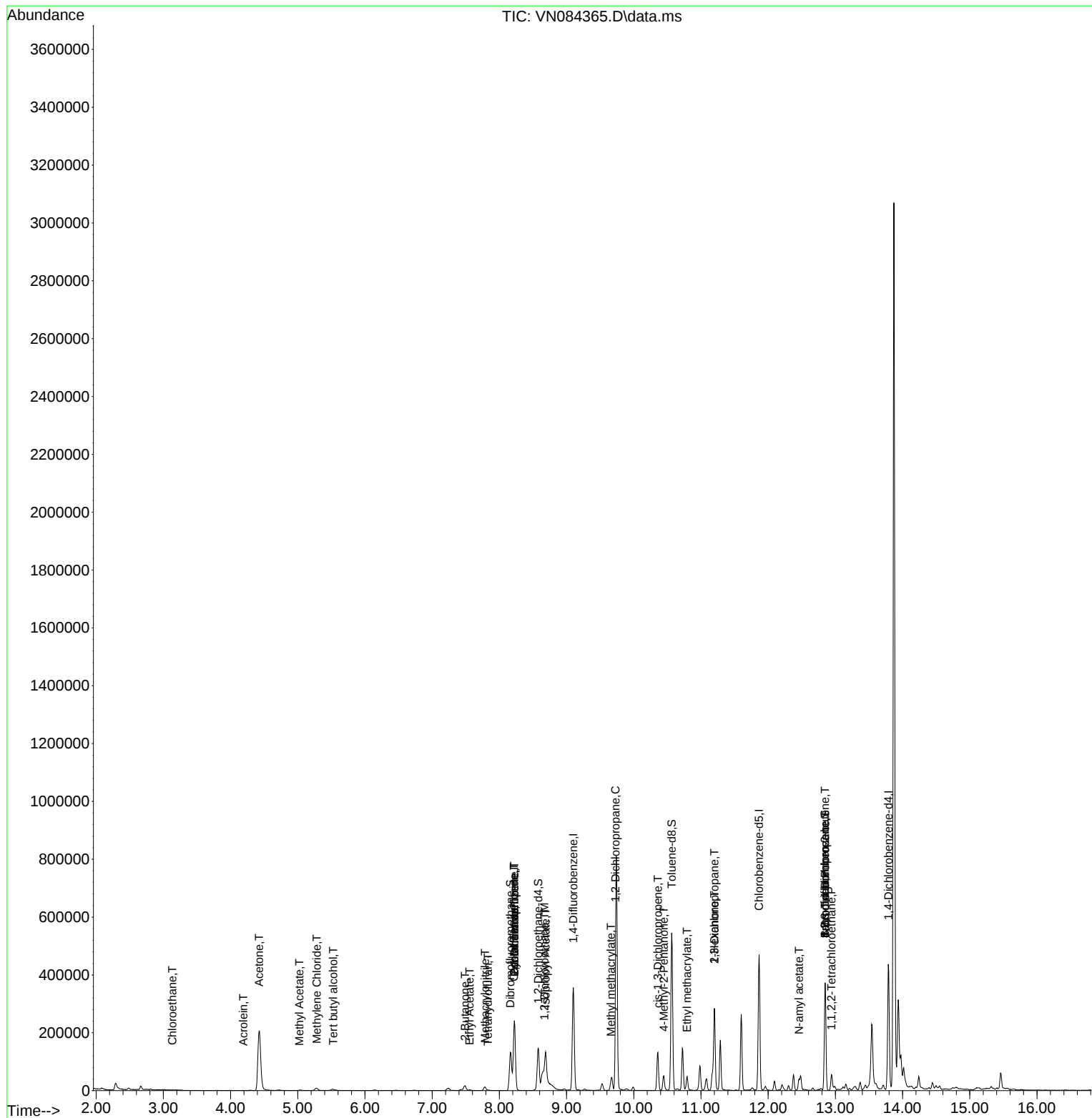
Internal Standards						
1) Pentafluorobenzene	8.224	168	168130	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	302671	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	264886	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	112555	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.577	65	124246	49.841	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	99.680%		
35) Dibromofluoromethane	8.165	113	96904	48.564	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	97.120%		
50) Toluene-d8	10.565	98	373254	50.843	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	101.680%		
62) 4-Bromofluorobenzene	12.847	95	131570	49.194	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery =	98.380%		
Target Compounds						
					Qvalue	
6) Chloroethane	3.136	64	381	0.242	ug/l #	45
11) Tert butyl alcohol	5.530	59	8283	20.151	ug/l #	83
13) Acrolein	4.189	56	406	0.860	ug/l #	14
16) Acetone	4.424	43	400905	374.373	ug/l	97
18) Methyl Acetate	5.024	43	2198	0.942	ug/l	92
20) Methylene Chloride	5.283	84	7139	3.280	ug/l #	78
25) 2-Butanone	7.488	43	29659	20.335	ug/l	99
29) Tetrahydrofuran	7.830	42	451	0.501	ug/l #	72
31) Cyclohexane	8.224	56	3999	1.083	ug/l #	1
36) 1,1-Dichloropropene	8.224	75	14585	5.032	ug/l #	51
37) Ethyl Acetate	7.559	43	3467	1.166	ug/l #	87
38) Carbon Tetrachloride	8.218	117	18740	5.894	ug/l #	17
41) Methacrylonitrile	7.788	41	2370	1.468	ug/l #	50
42) 1,2-Dichloroethane	8.671	62	677	0.221	ug/l #	75
43) Isopropyl Acetate	8.688	43	244372	41.958	ug/l #	73
45) 1,2-Dichloropropane	9.729	63	1080	0.506	ug/l #	44
48) Methyl methacrylate	9.659	41	3682	1.588	ug/l #	49
51) 4-Methyl-2-Pentanone	10.447	43	36404	12.861	ug/l	94
54) cis-1,3-Dichloropropene	10.359	75	24022	6.841	ug/l #	64
56) Ethyl methacrylate	10.794	69	8343	2.568	ug/l #	59
57) 1,3-Dichloropropane	11.200	76	2650	0.751	ug/l #	42
59) 2-Hexanone	11.200	43	103532	48.936	ug/l #	50
71) Bromoform	12.847	173	631	0.424	ug/l #	1
74) N-amyl acetate	12.459	43	25394	6.529	ug/l #	42
75) 1,1,2,2-Tetrachloroethane	12.941	83	3970	1.537	ug/l #	26
76) 1,2,3-Trichloropropane	12.847	75	68785	29.935	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.847	75	68785	71.767	ug/l #	11

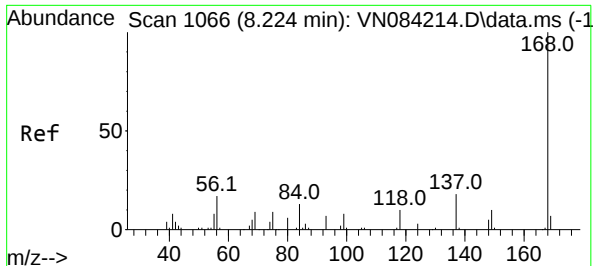
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN100924\
Data File : VN084365.D
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Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :

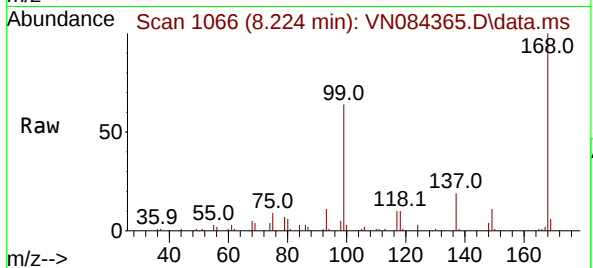
Quant Time: Oct 10 01:20:18 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N093024W.M
Quant Title : SW846 8260
QLast Update : Tue Oct 01 07:11:01 2024
Response via : Initial Calibration



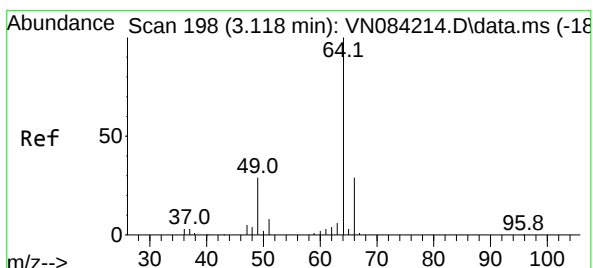
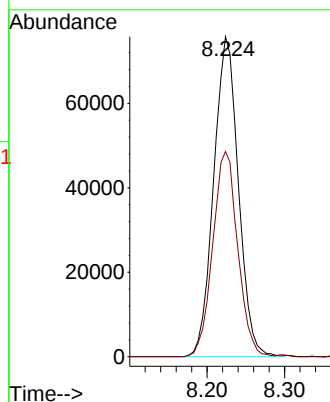
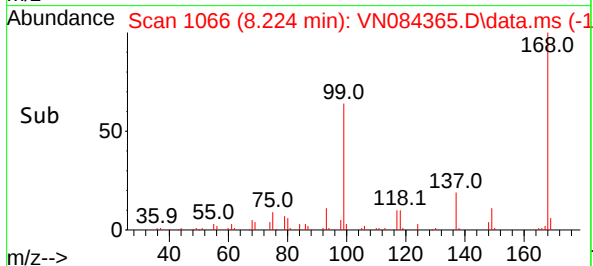


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. -0.000 min
Lab File: VN084365.D
Acq: 09 Oct 2024 14:21

Instrument :
MSVOA_N
ClientSampleId :

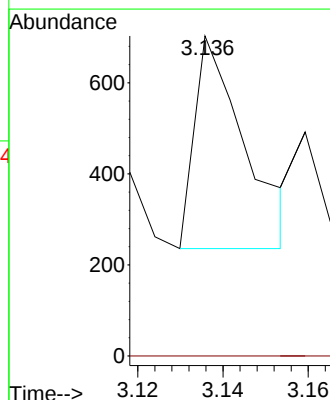
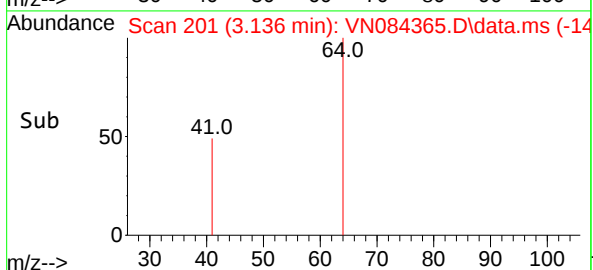
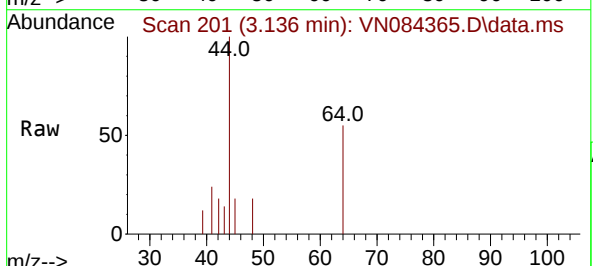


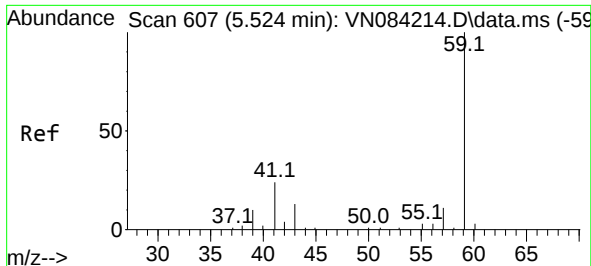
Tgt Ion:168 Resp: 168130
Ion Ratio Lower Upper
168 100
99 64.1 54.2 81.2



#6
Chloroethane
Concen: 0.242 ug/l
RT: 3.136 min Scan# 201
Delta R.T. 0.018 min
Lab File: VN084365.D
Acq: 09 Oct 2024 14:21

Tgt Ion: 64 Resp: 381
Ion Ratio Lower Upper
64 100
66 0.0 23.5 35.3#

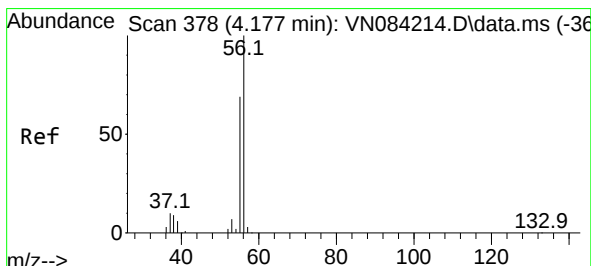
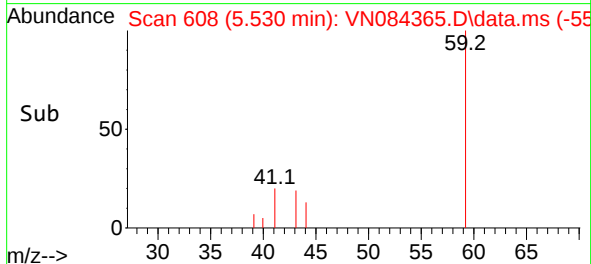
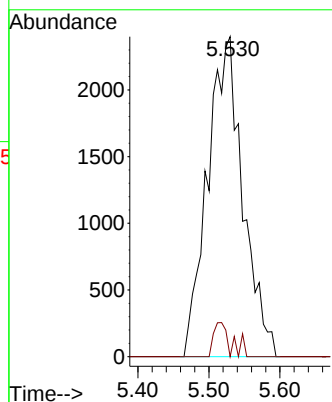
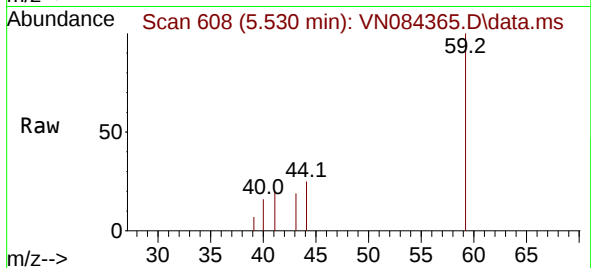




#11
Tert butyl alcohol
Concen: 20.151 ug/l
RT: 5.530 min Scan# 607
Delta R.T. 0.006 min
Lab File: VN084365.D
Acq: 09 Oct 2024 14:21

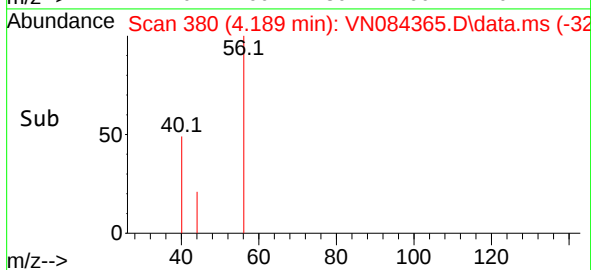
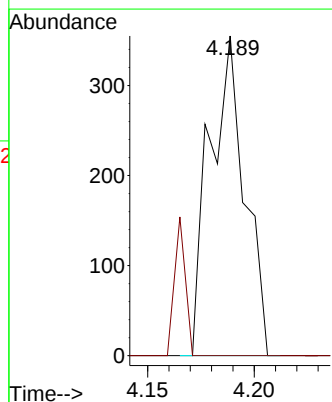
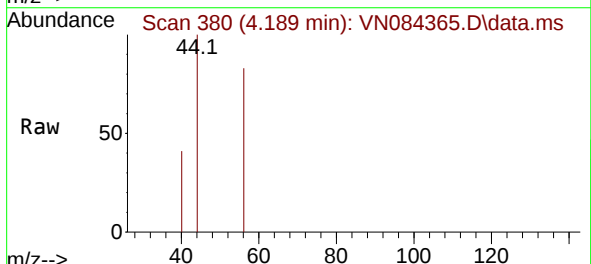
Instrument :
MSVOA_N
ClientSampleId :

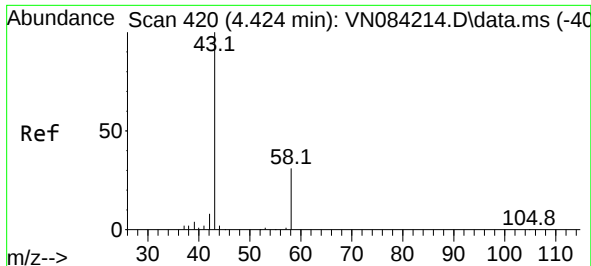
Tgt Ion: 59 Resp: 8283
Ion Ratio Lower Upper
59 100
57 3.8 8.2 12.2#



#13
Acrolein
Concen: 0.860 ug/l
RT: 4.189 min Scan# 380
Delta R.T. 0.012 min
Lab File: VN084365.D
Acq: 09 Oct 2024 14:21

Tgt Ion: 56 Resp: 406
Ion Ratio Lower Upper
56 100
55 0.0 57.2 85.8#

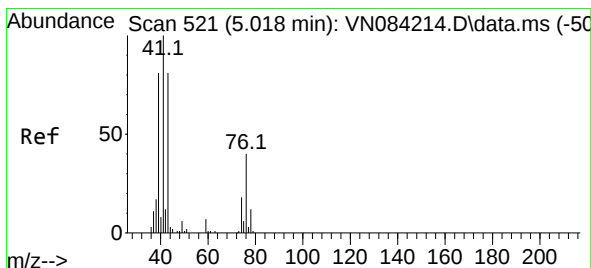
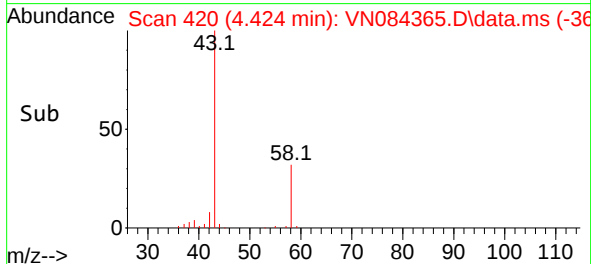
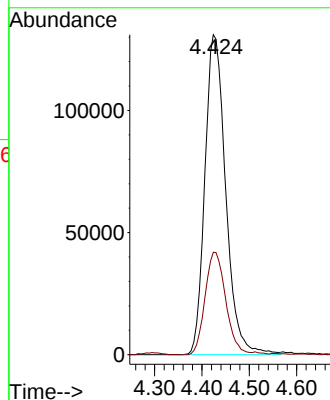
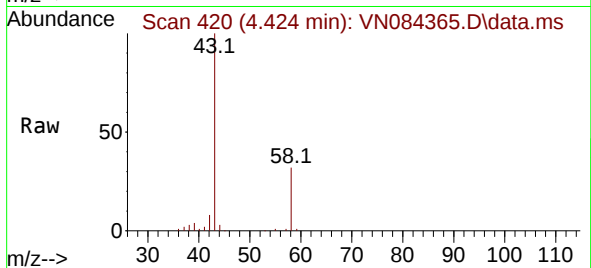




#16
Acetone
Concen: 374.373 ug/l
RT: 4.424 min Scan# 41
Delta R.T. -0.000 min
Lab File: VN084365.D
Acq: 09 Oct 2024 14:21

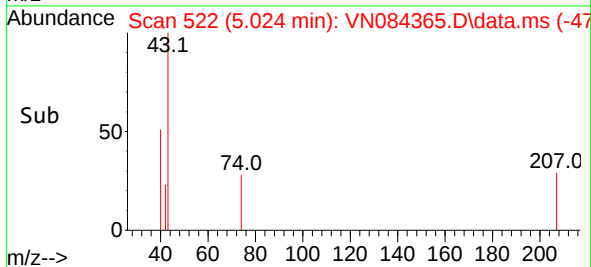
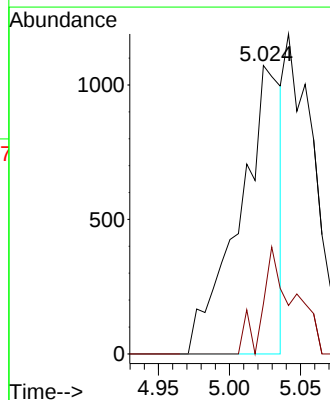
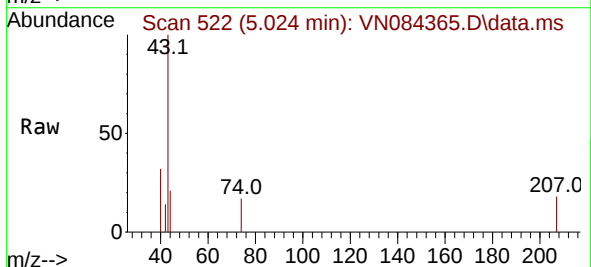
Instrument :
MSVOA_N
ClientSampleId :

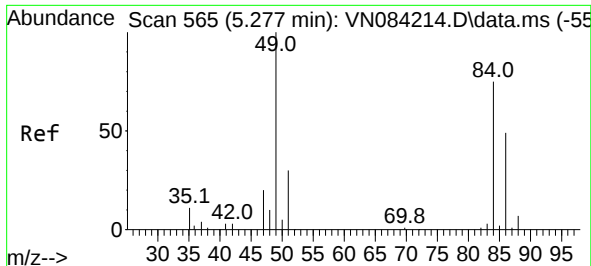
Tgt Ion: 43 Resp: 400905
Ion Ratio Lower Upper
43 100
58 32.0 24.4 36.6



#18
Methyl Acetate
Concen: 0.942 ug/l
RT: 5.024 min Scan# 522
Delta R.T. 0.006 min
Lab File: VN084365.D
Acq: 09 Oct 2024 14:21

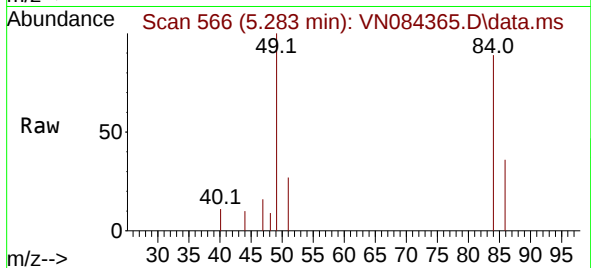
Tgt Ion: 43 Resp: 2198
Ion Ratio Lower Upper
43 100
74 27.8 19.2 28.8



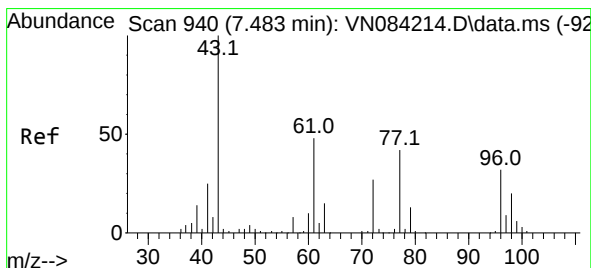
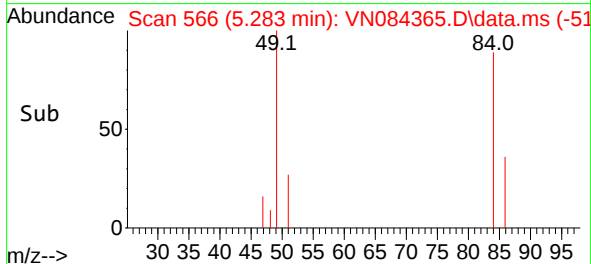
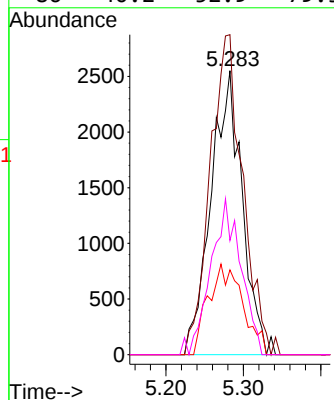


#20
Methylene Chloride
Concen: 3.280 ug/l
RT: 5.283 min Scan# 51
Delta R.T. 0.006 min
Lab File: VN084365.D
Acq: 09 Oct 2024 14:21

Instrument :
MSVOA_N
ClientSampleId :

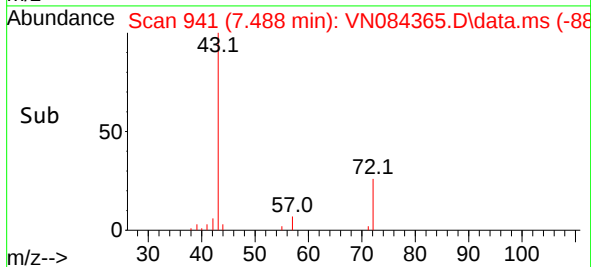
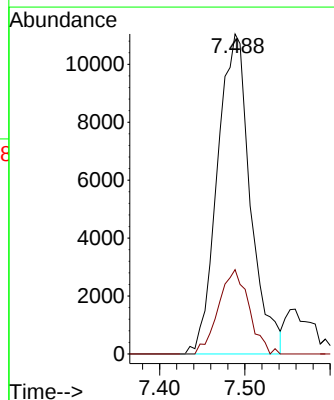
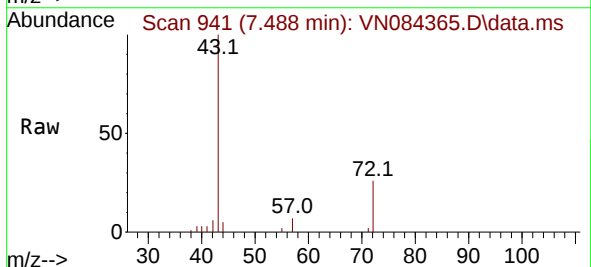


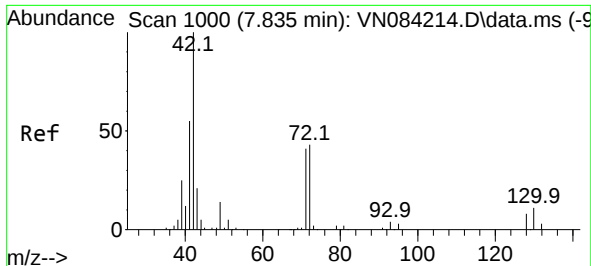
Tgt Ion:	84	Resp:	7139
Ion	Ratio	Lower	Upper
84	100		
49	112.7	107.2	160.8
51	29.9	31.8	47.8#
86	40.2	52.9	79.3#



#25
2-Butanone
Concen: 20.335 ug/l
RT: 7.488 min Scan# 941
Delta R.T. 0.006 min
Lab File: VN084365.D
Acq: 09 Oct 2024 14:21

Tgt Ion:	43	Resp:	29659
Ion	Ratio	Lower	Upper
43	100		
72	26.3	21.4	32.2





#29

Tetrahydrofuran

Concen: 0.501 ug/l

RT: 7.830 min Scan# 91

Delta R.T. -0.006 min

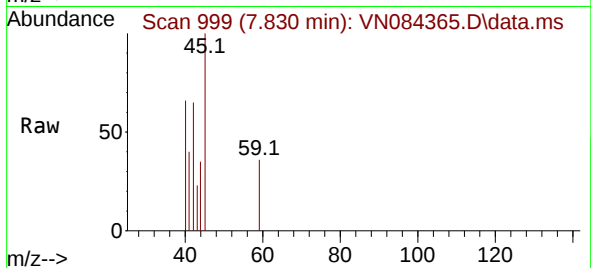
Lab File: VN084365.D

Acq: 09 Oct 2024 14:21

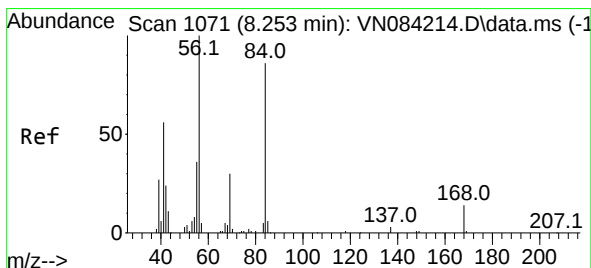
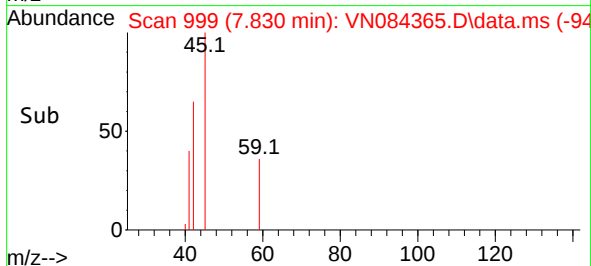
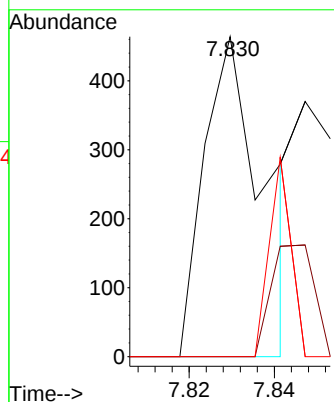
Instrument :

MSVOA_N

ClientSampleId :



Tgt Ion:	42	Resp:	451
Ion Ratio	Lower	Upper	
42	100		
72	25.3	34.6	51.8#
71	22.6	32.2	48.4#



#31

Cyclohexane

Concen: 1.083 ug/l

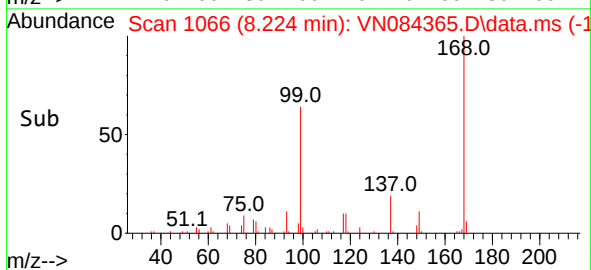
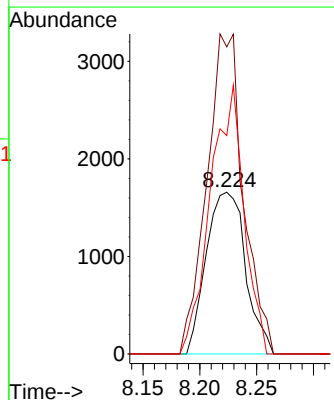
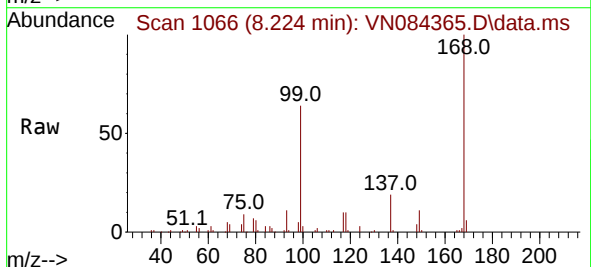
RT: 8.224 min Scan# 1066

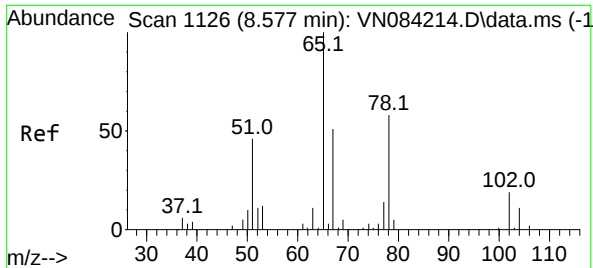
Delta R.T. -0.029 min

Lab File: VN084365.D

Acq: 09 Oct 2024 14:21

Tgt Ion:	56	Resp:	3999
Ion Ratio	Lower	Upper	
56	100		
69	189.8	23.8	35.6#
84	135.0	68.8	103.2#





#33

1,2-Dichloroethane-d4

Concen: 49.841 ug/l

RT: 8.577 min Scan# 1126

Delta R.T. -0.000 min

Lab File: VN084365.D

Acq: 09 Oct 2024 14:21

Instrument :

MSVOA_N

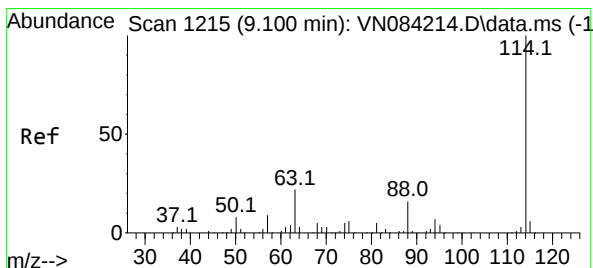
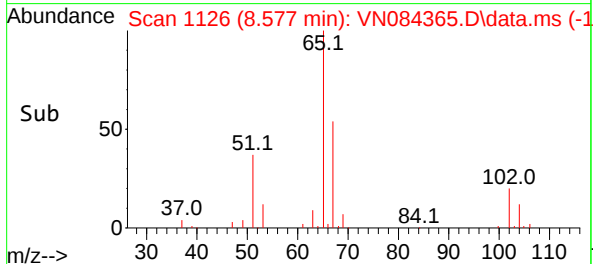
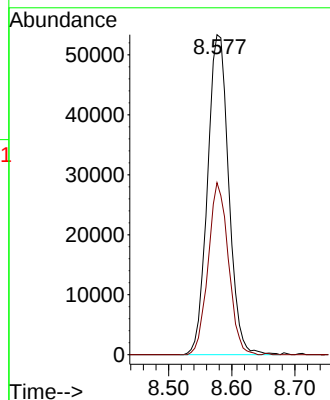
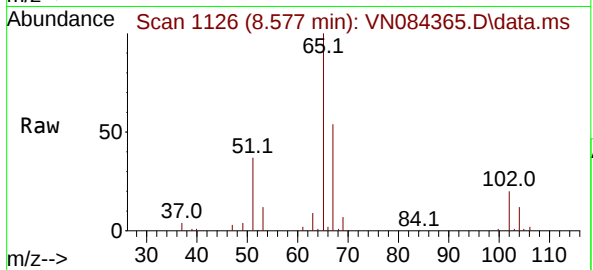
ClientSampleId :

Tgt Ion: 65 Resp: 124246

Ion Ratio Lower Upper

65 100

67 51.3 0.0 102.0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.100 min Scan# 1215

Delta R.T. -0.000 min

Lab File: VN084365.D

Acq: 09 Oct 2024 14:21

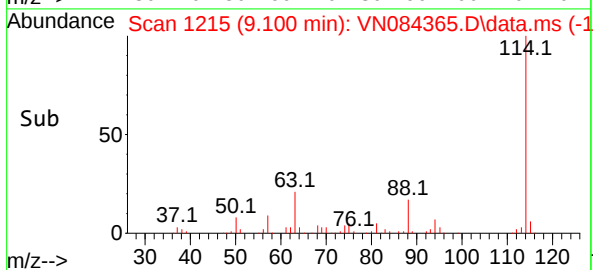
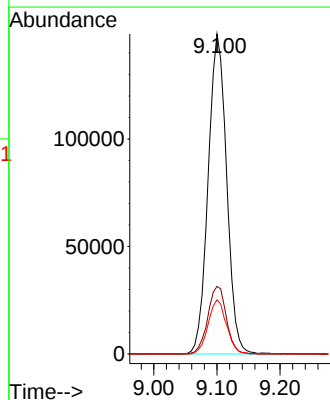
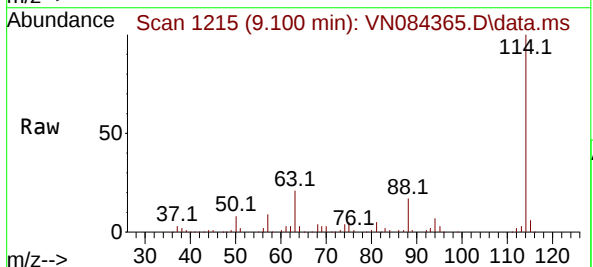
Tgt Ion: 114 Resp: 302671

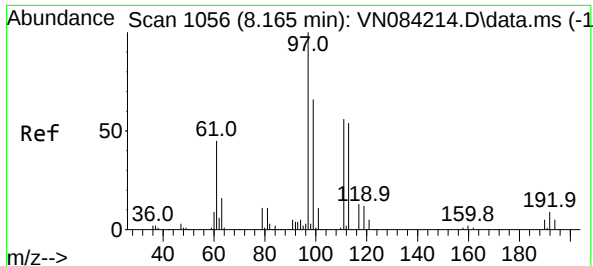
Ion Ratio Lower Upper

114 100

63 21.1 0.0 43.8

88 16.9 0.0 31.6





#35

Dibromofluoromethane

Concen: 48.564 ug/l

RT: 8.165 min Scan# 1056

Delta R.T. -0.000 min

Lab File: VN084365.D

Acq: 09 Oct 2024 14:21

Instrument :

MSVOA_N

ClientSampleId :

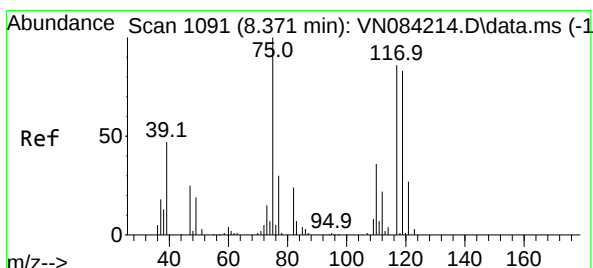
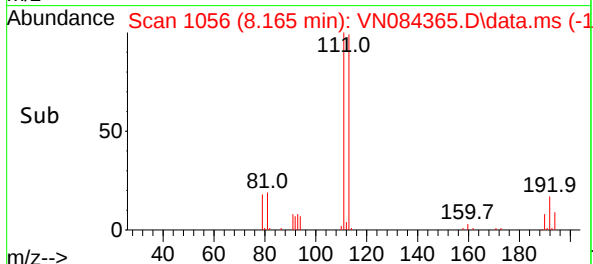
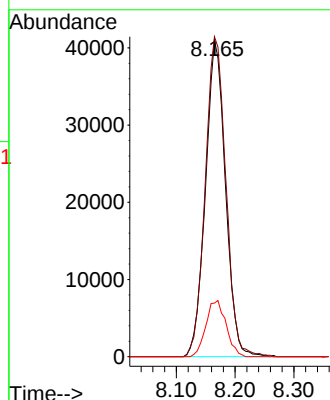
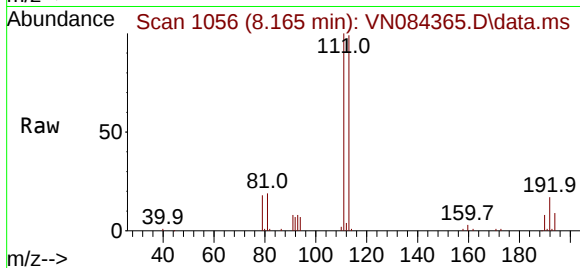
Tgt Ion:113 Resp: 96904

Ion Ratio Lower Upper

113 100

111 104.1 83.3 124.9

192 17.9 13.5 20.3



#36

1,1-Dichloropropene

Concen: 5.032 ug/l

RT: 8.224 min Scan# 1066

Delta R.T. -0.147 min

Lab File: VN084365.D

Acq: 09 Oct 2024 14:21

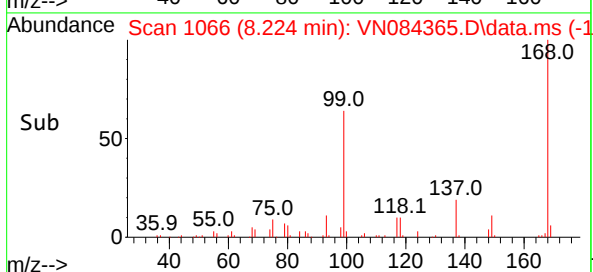
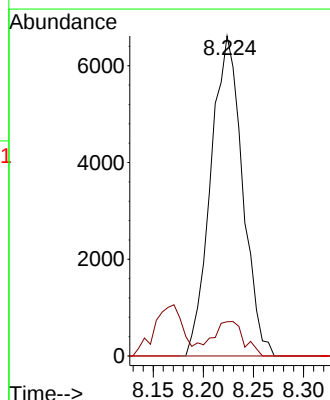
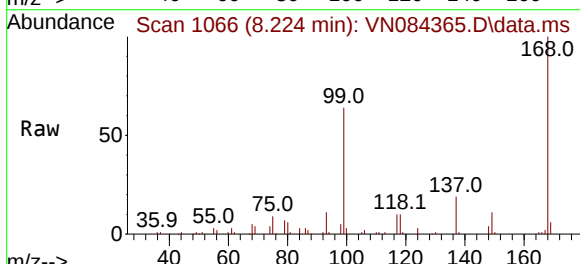
Tgt Ion: 75 Resp: 14585

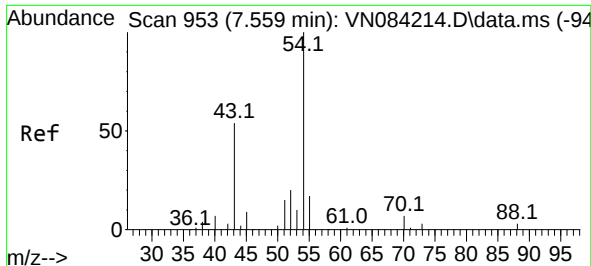
Ion Ratio Lower Upper

75 100

110 9.9 16.9 50.7#

77 0.0 24.7 37.1#





#37

Ethyl Acetate

Concen: 1.166 ug/l

RT: 7.559 min Scan# 91

Delta R.T. -0.000 min

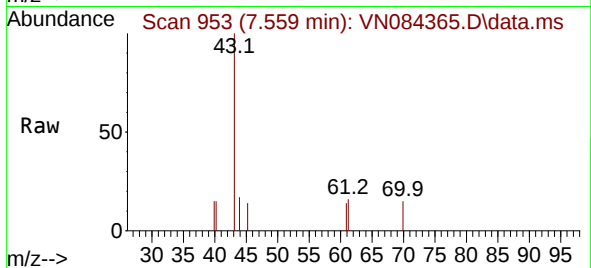
Lab File: VN084365.D

Acq: 09 Oct 2024 14:21

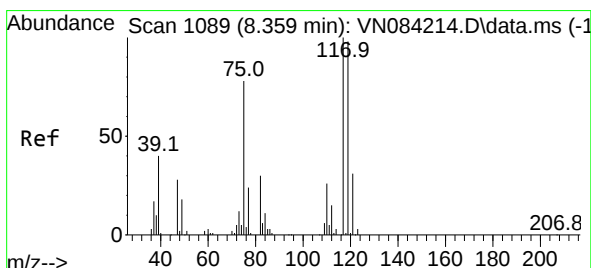
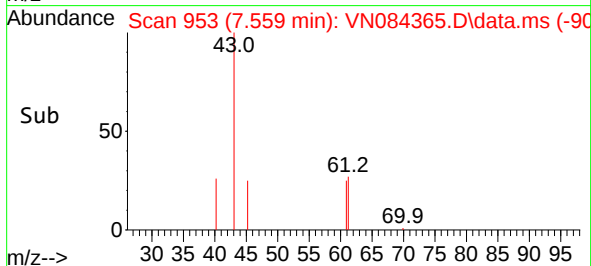
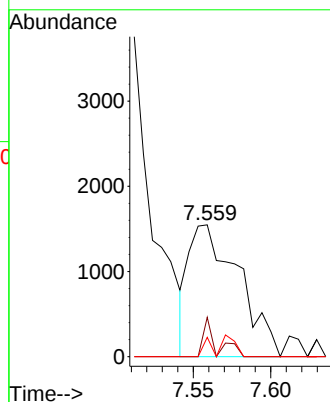
Instrument :

MSVOA_N

ClientSampleId :



Tgt Ion:	43	Resp:	3467
Ion	Ratio	Lower	Upper
43	100		
61	7.9	10.7	16.1#
70	6.7	8.8	13.2#



#38

Carbon Tetrachloride

Concen: 5.894 ug/l

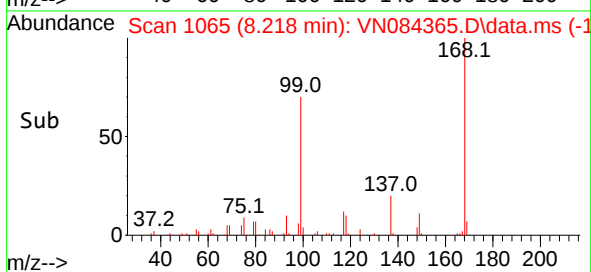
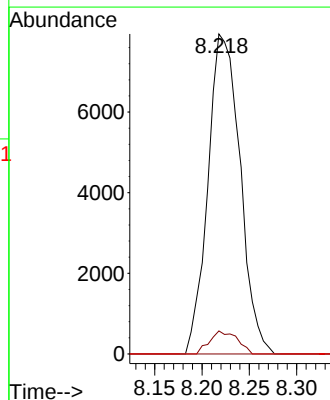
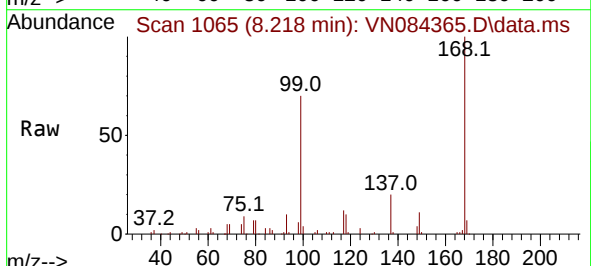
RT: 8.218 min Scan# 1065

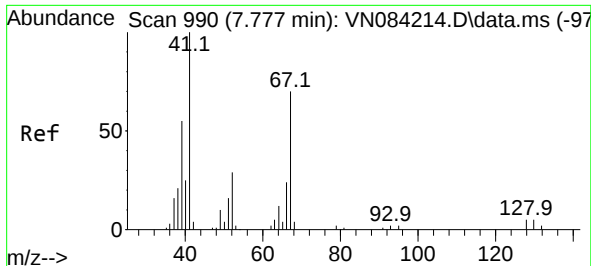
Delta R.T. -0.141 min

Lab File: VN084365.D

Acq: 09 Oct 2024 14:21

Tgt Ion:	117	Resp:	18740
Ion	Ratio	Lower	Upper
117	100		
119	7.2	78.7	118.1#
121	0.0	24.4	36.6#

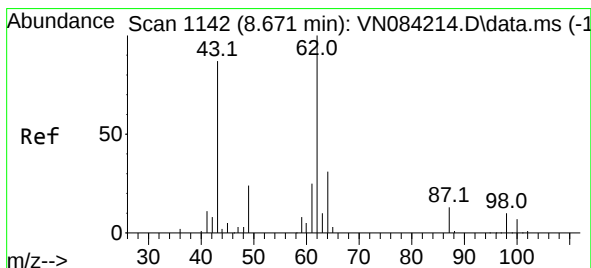
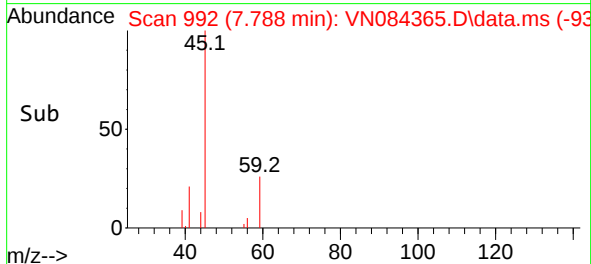
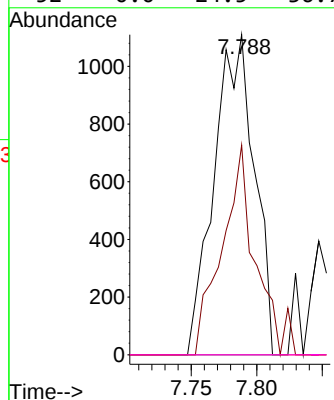
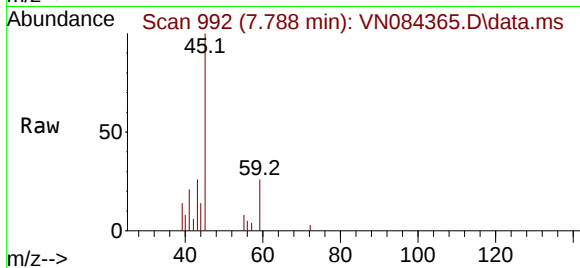




#41
Methacrylonitrile
Concen: 1.468 ug/l
RT: 7.788 min Scan# 990
Delta R.T. 0.012 min
Lab File: VN084365.D
Acq: 09 Oct 2024 14:21

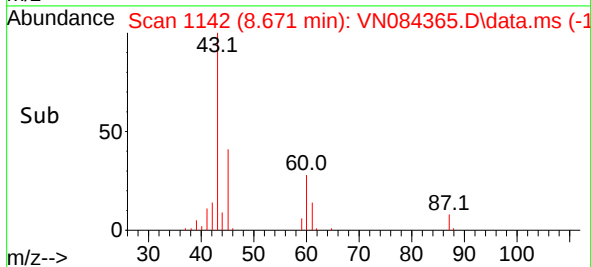
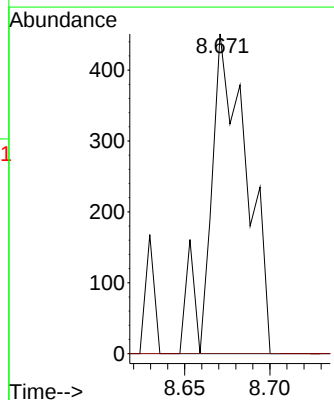
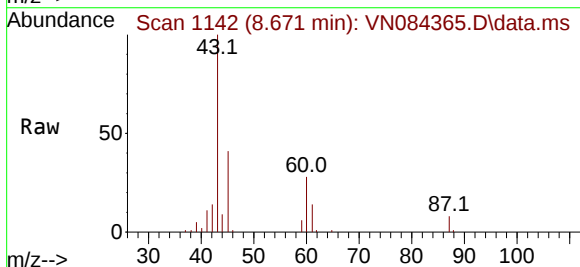
Instrument :
MSVOA_N
ClientSampleId :

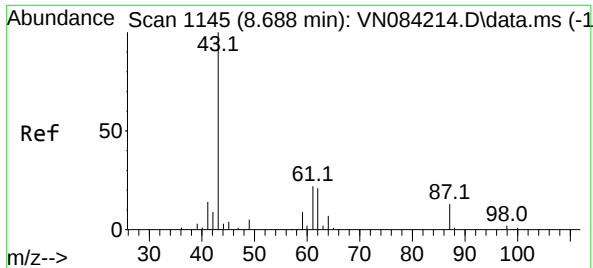
Tgt Ion:	41	Resp:	2370
Ion	Ratio	Lower	Upper
41	100		
39	54.9	43.3	64.9
67	0.0	56.1	84.1#
52	0.0	24.5	36.7#



#42
1,2-Dichloroethane
Concen: 0.221 ug/l
RT: 8.671 min Scan# 1142
Delta R.T. -0.000 min
Lab File: VN084365.D
Acq: 09 Oct 2024 14:21

Tgt Ion:	62	Resp:	677
Ion	Ratio	Lower	Upper
62	100		
98	0.0	0.0	18.2

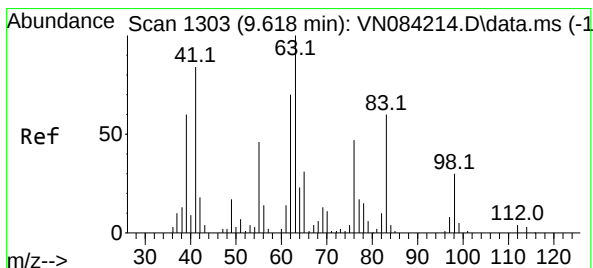
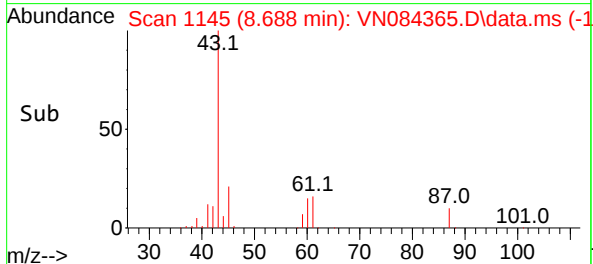
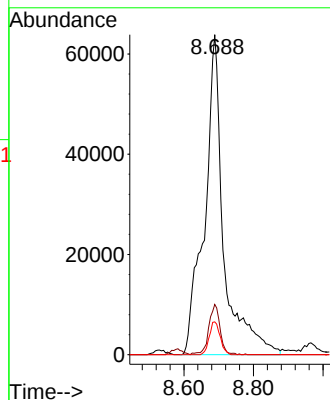
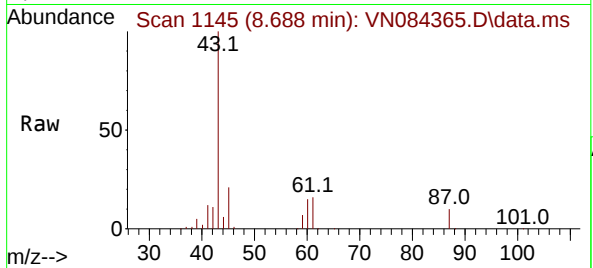




#43
Isopropyl Acetate
Concen: 41.958 ug/l
RT: 8.688 min Scan# 1145
Delta R.T. -0.000 min
Lab File: VN084365.D
Acq: 09 Oct 2024 14:21

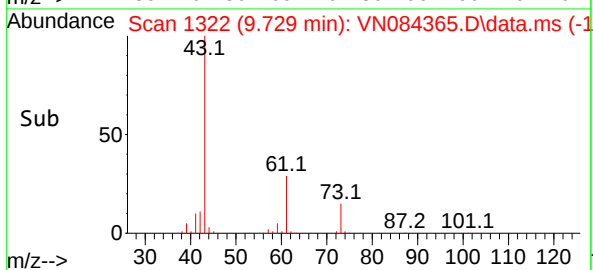
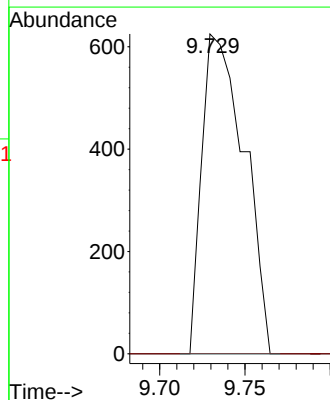
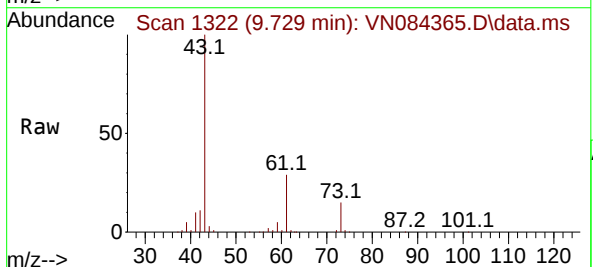
Instrument :
MSVOA_N
ClientSampleId :

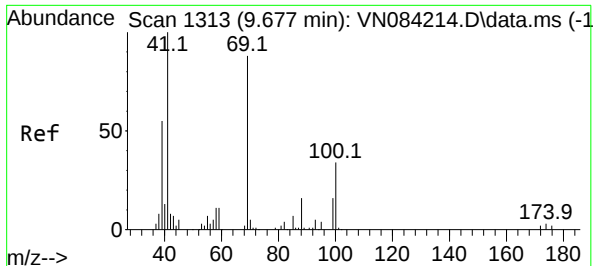
Tgt Ion: 43 Resp: 244372
Ion Ratio Lower Upper
43 100
61 9.2 20.4 30.6#
87 5.8 10.3 15.5#



#45
1,2-Dichloropropane
Concen: 0.506 ug/l
RT: 9.729 min Scan# 1322
Delta R.T. 0.112 min
Lab File: VN084365.D
Acq: 09 Oct 2024 14:21

Tgt Ion: 63 Resp: 1080
Ion Ratio Lower Upper
63 100
65 0.0 24.6 37.0#





#48

Methyl methacrylate

Concen: 1.588 ug/l

RT: 9.659 min Scan# 11

Delta R.T. -0.018 min

Lab File: VN084365.D

Acq: 09 Oct 2024 14:21

Instrument :

MSVOA_N

ClientSampleId :

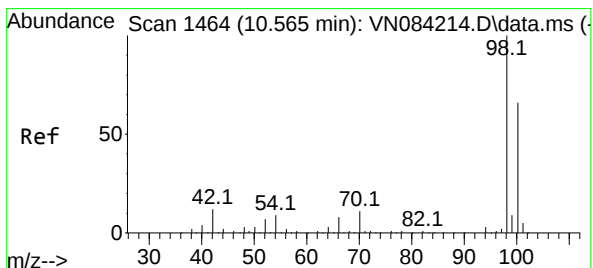
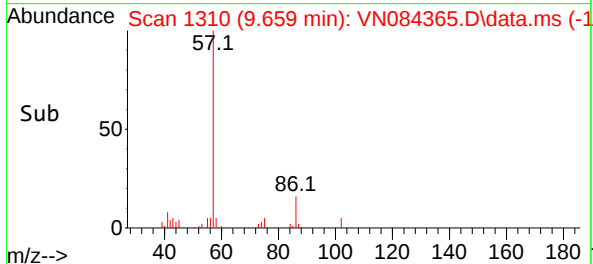
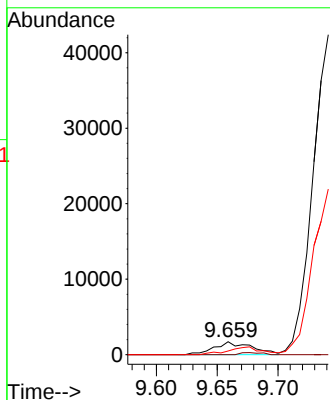
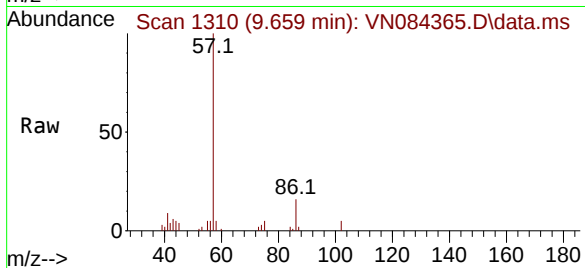
Tgt Ion: 41 Resp: 3682

Ion Ratio Lower Upper

41 100

69 9.0 67.1 100.7#

39 53.6 45.8 68.6



#50

Toluene-d8

Concen: 50.843 ug/l

RT: 10.565 min Scan# 1464

Delta R.T. -0.000 min

Lab File: VN084365.D

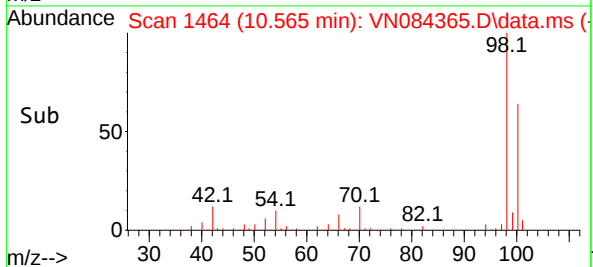
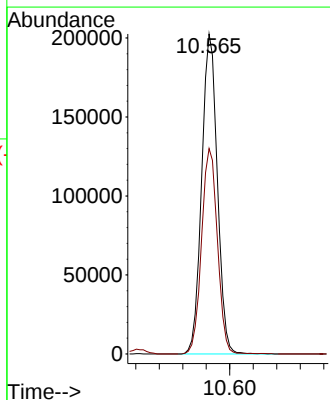
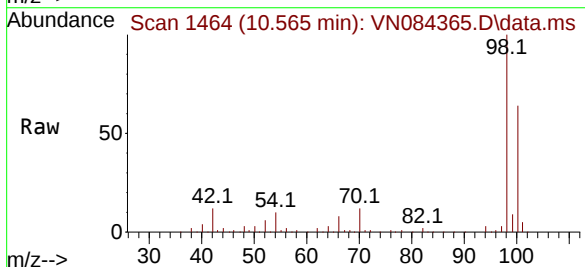
Acq: 09 Oct 2024 14:21

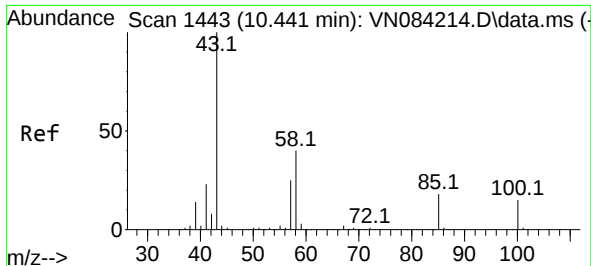
Tgt Ion: 98 Resp: 373254

Ion Ratio Lower Upper

98 100

100 65.0 52.7 79.1

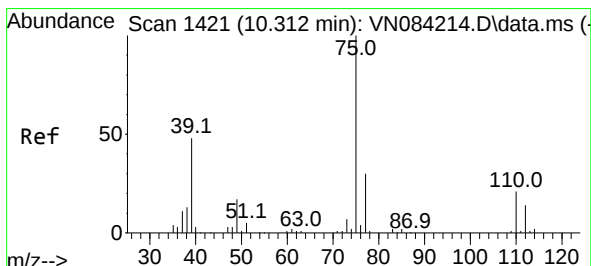
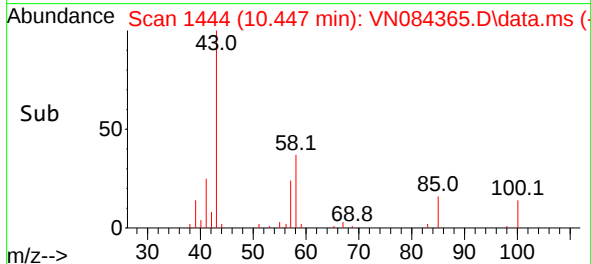
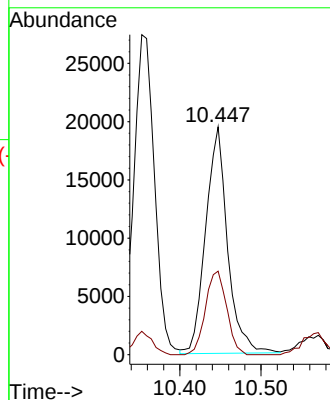
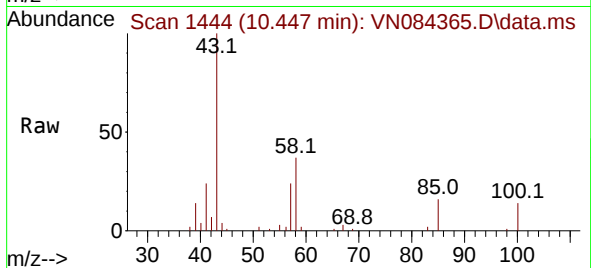




#51
4-Methyl-2-Pentanone
Concen: 12.861 ug/l
RT: 10.447 min Scan# 1443
Delta R.T. 0.006 min
Lab File: VN084365.D
Acq: 09 Oct 2024 14:21

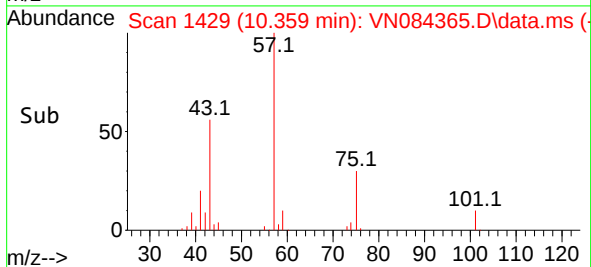
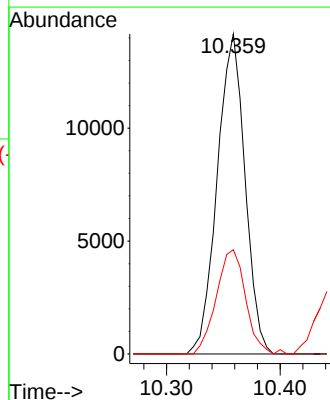
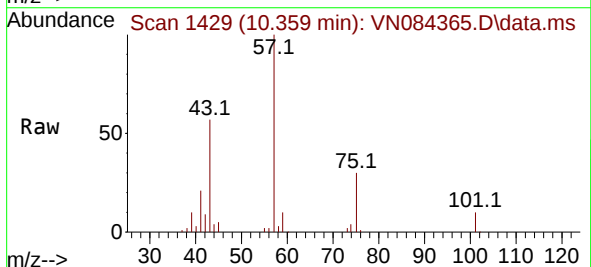
Instrument :
MSVOA_N
ClientSampleId :

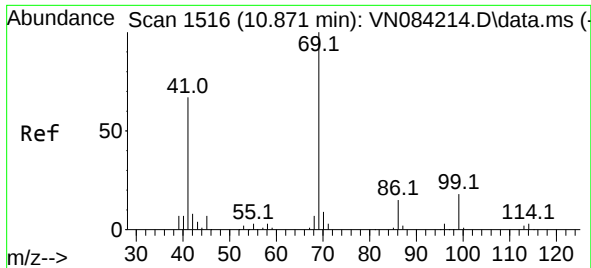
Tgt Ion: 43 Resp: 36404
Ion Ratio Lower Upper
43 100
58 35.7 31.6 47.4



#54
cis-1,3-Dichloropropene
Concen: 6.841 ug/l
RT: 10.359 min Scan# 1429
Delta R.T. 0.047 min
Lab File: VN084365.D
Acq: 09 Oct 2024 14:21

Tgt Ion: 75 Resp: 24022
Ion Ratio Lower Upper
75 100
77 0.0 24.2 36.2#
39 32.6 38.7 58.1#

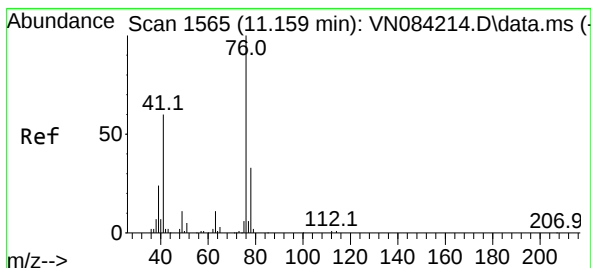
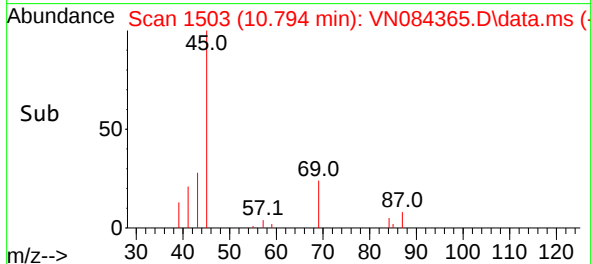
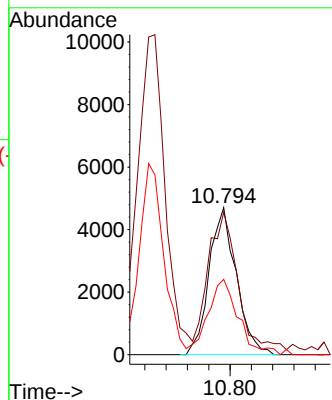
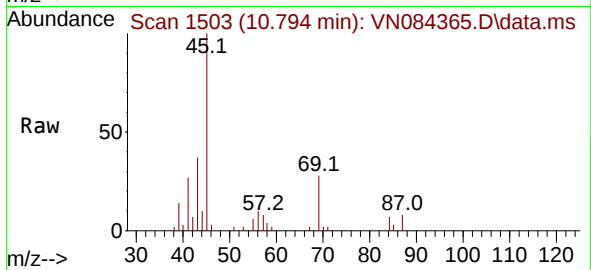




#56
Ethyl methacrylate
Concen: 2.568 ug/l
RT: 10.794 min Scan# 1503
Delta R.T. -0.076 min
Lab File: VN084365.D
Acq: 09 Oct 2024 14:21

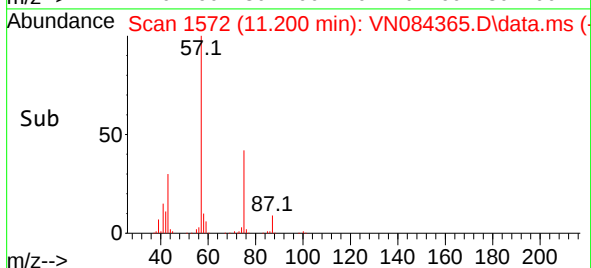
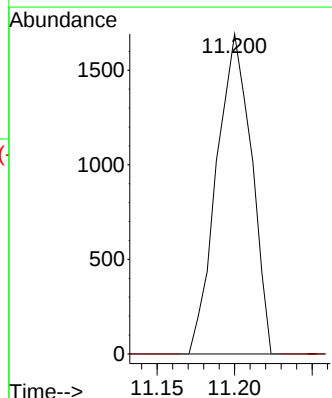
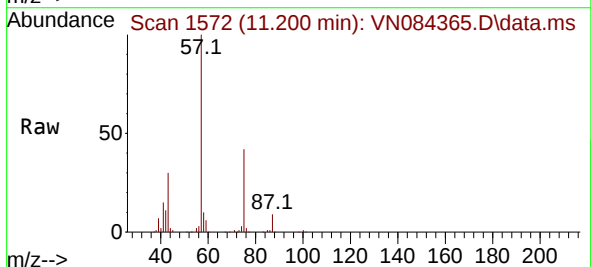
Instrument :
MSVOA_N
ClientSampleId :

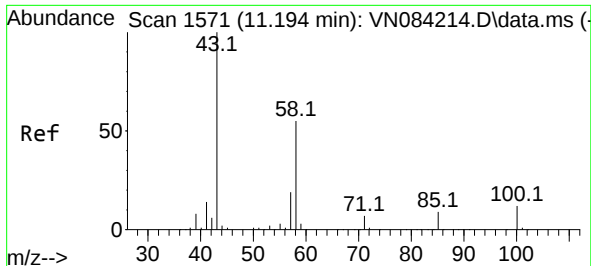
Tgt Ion: 69 Resp: 8343
Ion Ratio Lower Upper
69 100
41 100.9 53.3 79.9#
39 57.6 28.8 43.2#



#57
1,3-Dichloropropane
Concen: 0.751 ug/l
RT: 11.200 min Scan# 1572
Delta R.T. 0.041 min
Lab File: VN084365.D
Acq: 09 Oct 2024 14:21

Tgt Ion: 76 Resp: 2650
Ion Ratio Lower Upper
76 100
78 0.0 25.8 38.6#

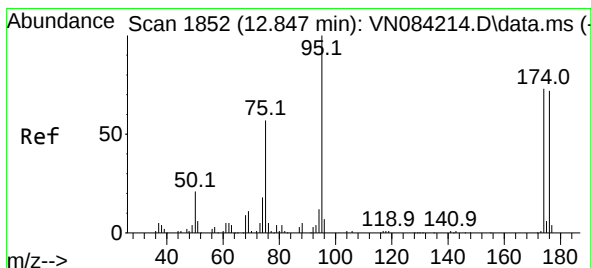
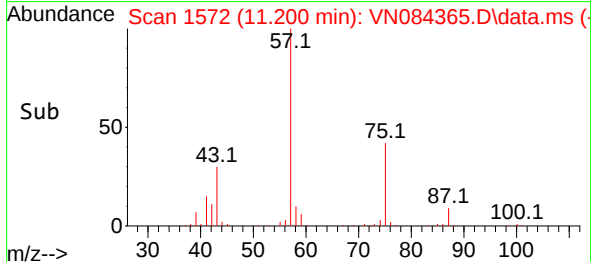
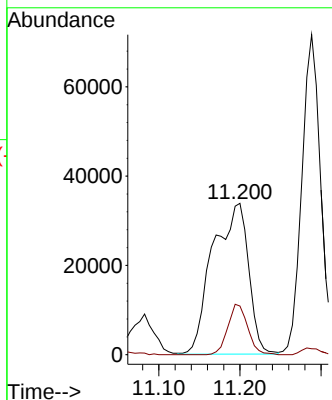
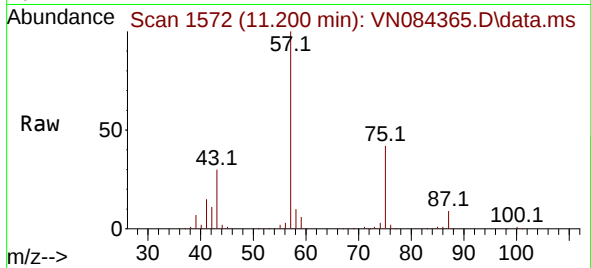




#59
2-Hexanone
Concen: 48.936 ug/l
RT: 11.200 min Scan# 1572
Delta R.T. 0.006 min
Lab File: VN084365.D
Acq: 09 Oct 2024 14:21

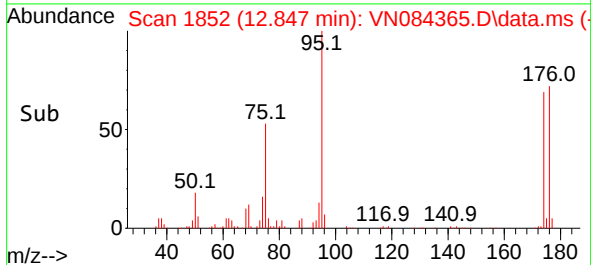
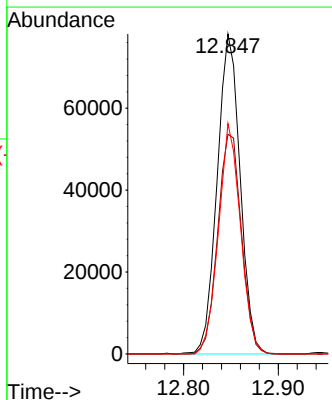
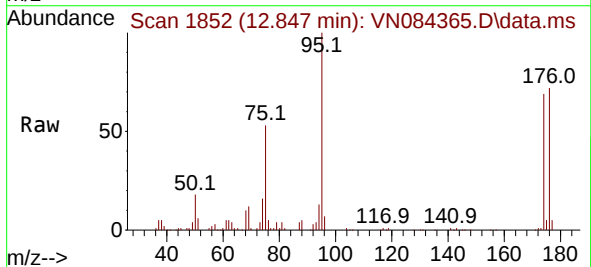
Instrument :
MSVOA_N
ClientSampleId :

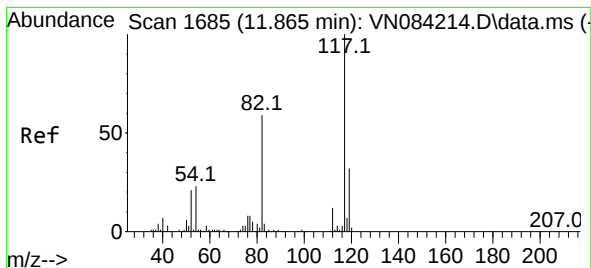
Tgt Ion: 43 Resp: 103532
Ion Ratio Lower Upper
43 100
58 18.6 27.3 81.8#



#62
4-Bromofluorobenzene
Concen: 49.194 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.000 min
Lab File: VN084365.D
Acq: 09 Oct 2024 14:21

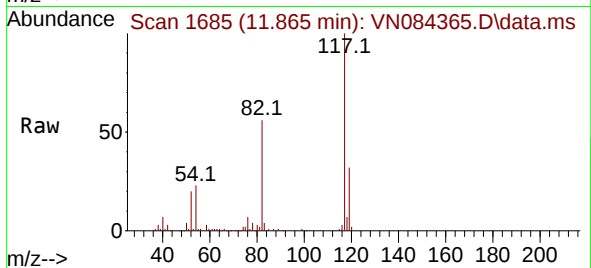
Tgt Ion: 95 Resp: 131570
Ion Ratio Lower Upper
95 100
174 71.2 0.0 145.2
176 69.1 0.0 140.0



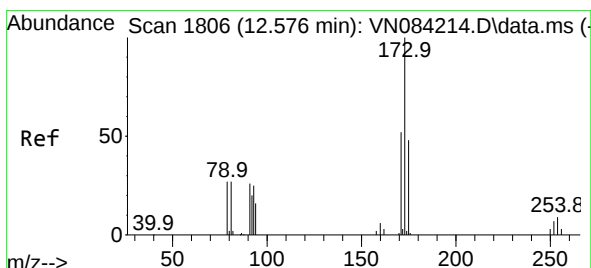
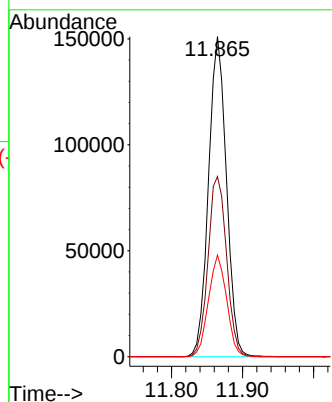
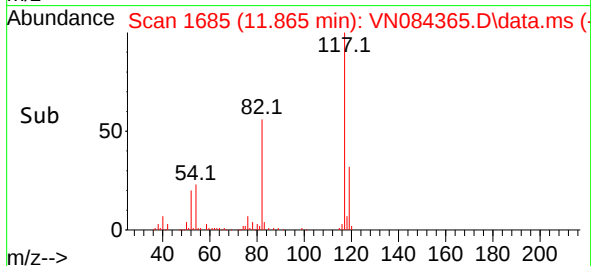


#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 11
Delta R.T. -0.000 min
Lab File: VN084365.D
Acq: 09 Oct 2024 14:21

Instrument :
MSVOA_N
ClientSampleId :

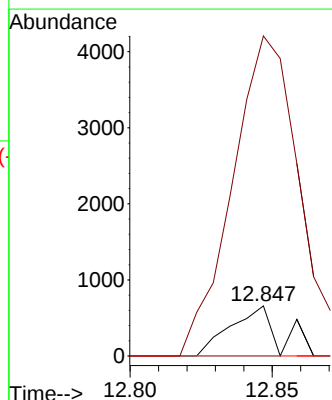
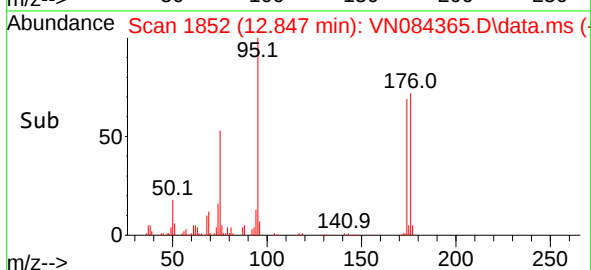
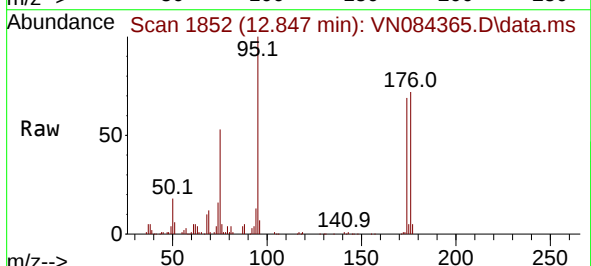


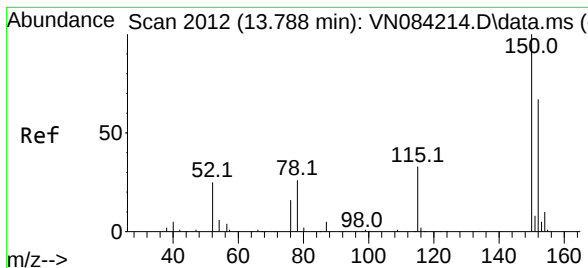
Tgt Ion:117 Resp: 264886
Ion Ratio Lower Upper
117 100
82 56.3 47.2 70.8
119 31.8 25.4 38.0



#71
Bromoform
Concen: 0.424 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. 0.271 min
Lab File: VN084365.D
Acq: 09 Oct 2024 14:21

Tgt Ion:173 Resp: 631
Ion Ratio Lower Upper
173 100
175 845.6 23.5 70.6#
254 0.0 0.0 0.0

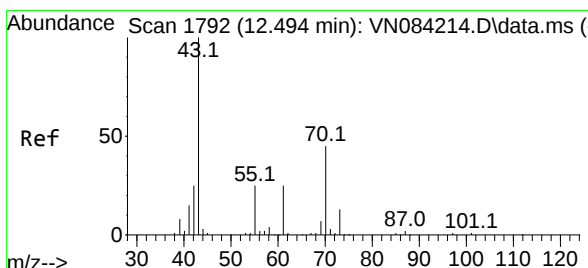
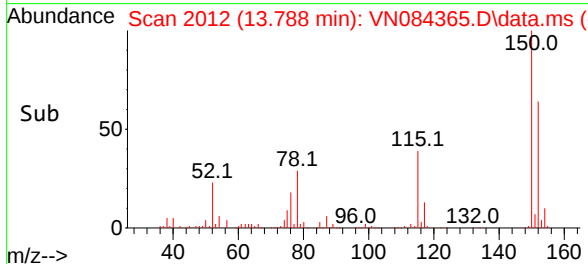
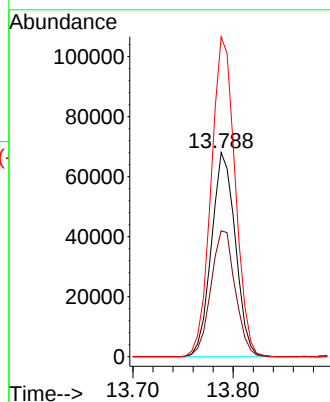
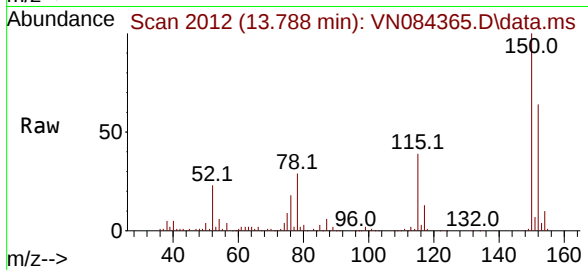




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.788 min Scan# 20
Delta R.T. -0.000 min
Lab File: VN084365.D
Acq: 09 Oct 2024 14:21

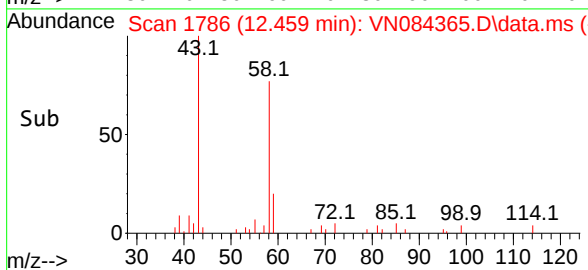
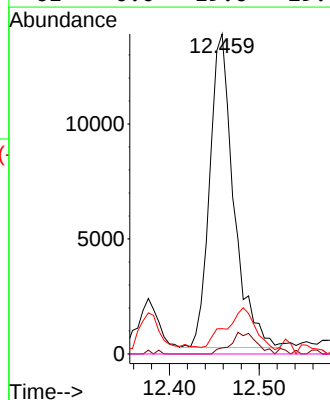
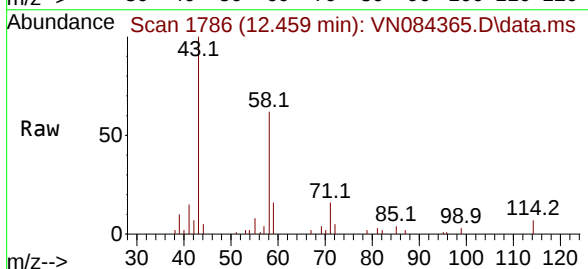
Instrument :
MSVOA_N
ClientSampleId :

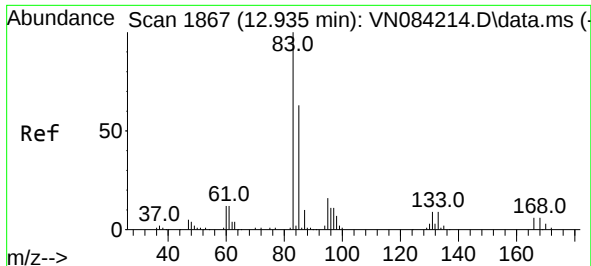
Tgt Ion:152 Resp: 112555
Ion Ratio Lower Upper
152 100
115 62.9 31.3 93.9
150 157.3 0.0 349.8



#74
N-ethyl acetate
Concen: 6.529 ug/l
RT: 12.459 min Scan# 1786
Delta R.T. -0.035 min
Lab File: VN084365.D
Acq: 09 Oct 2024 14:21

Tgt Ion: 43 Resp: 25394
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#

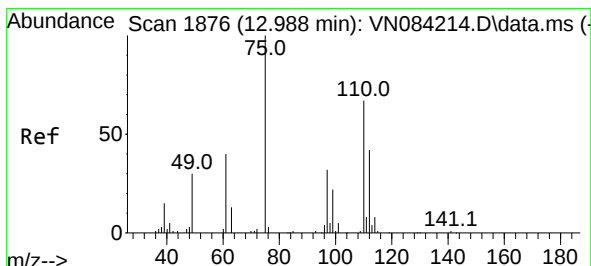
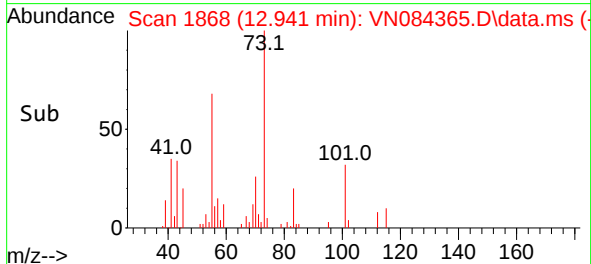
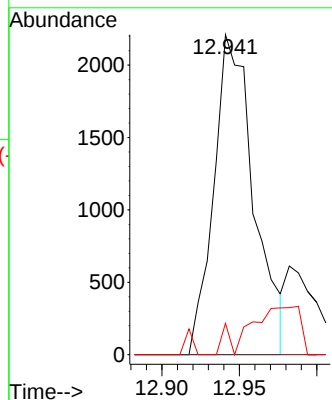
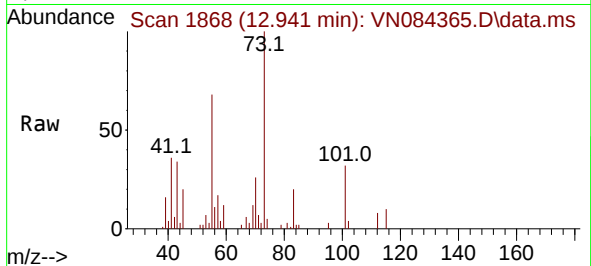




#75
1,1,2-Tetrachloroethane
Concen: 1.537 ug/l
RT: 12.941 min Scan# 1868
Delta R.T. 0.006 min
Lab File: VN084365.D
Acq: 09 Oct 2024 14:21

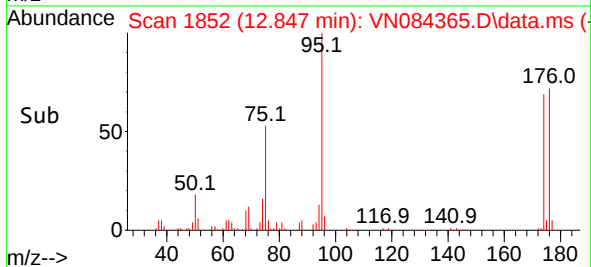
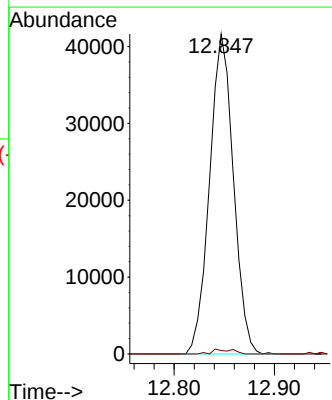
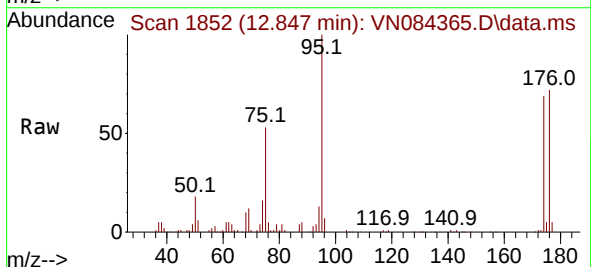
Instrument :
MSVOA_N
ClientSampleId :

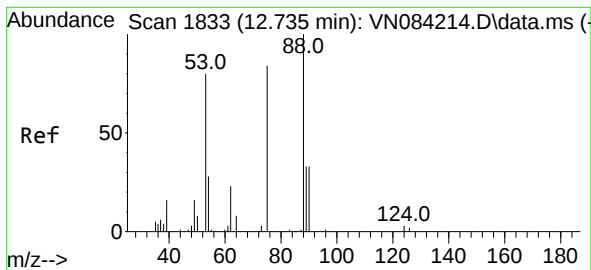
Tgt Ion: 83 Resp: 3970
Ion Ratio Lower Upper
83 100
131 0.0 4.9 14.7#
85 0.0 31.9 95.7#



#76
1,2,3-Trichloropropane
Concen: 29.935 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.141 min
Lab File: VN084365.D
Acq: 09 Oct 2024 14:21

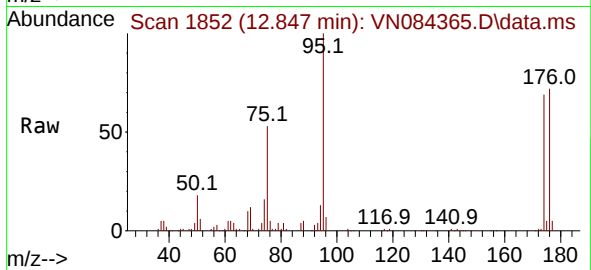
Tgt Ion: 75 Resp: 68785
Ion Ratio Lower Upper
75 100
77 1.3 96.9 290.7#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 71.767 ug/l
 RT: 12.847 min Scan# 1852
 Delta R.T. 0.112 min
 Lab File: VN084365.D
 Acq: 09 Oct 2024 14:21

Instrument :
 MSVOA_N
 ClientSampleId :



Tgt Ion: 75 Resp: 68785
 Ion Ratio Lower Upper
 75 100
 53 0.0 78.0 117.0#
 89 0.0 35.5 53.3#

