

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN091124\
 Data File : VN083811.D
 Acq On : 11 Sep 2024 21:33
 Operator : JC\MD
 Sample : P3905-06
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Sep 12 02:16:06 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N091024W.M
 Quant Title : SW846 8260
 QLast Update : Wed Sep 11 15:18:56 2024
 Response via : Initial Calibration

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

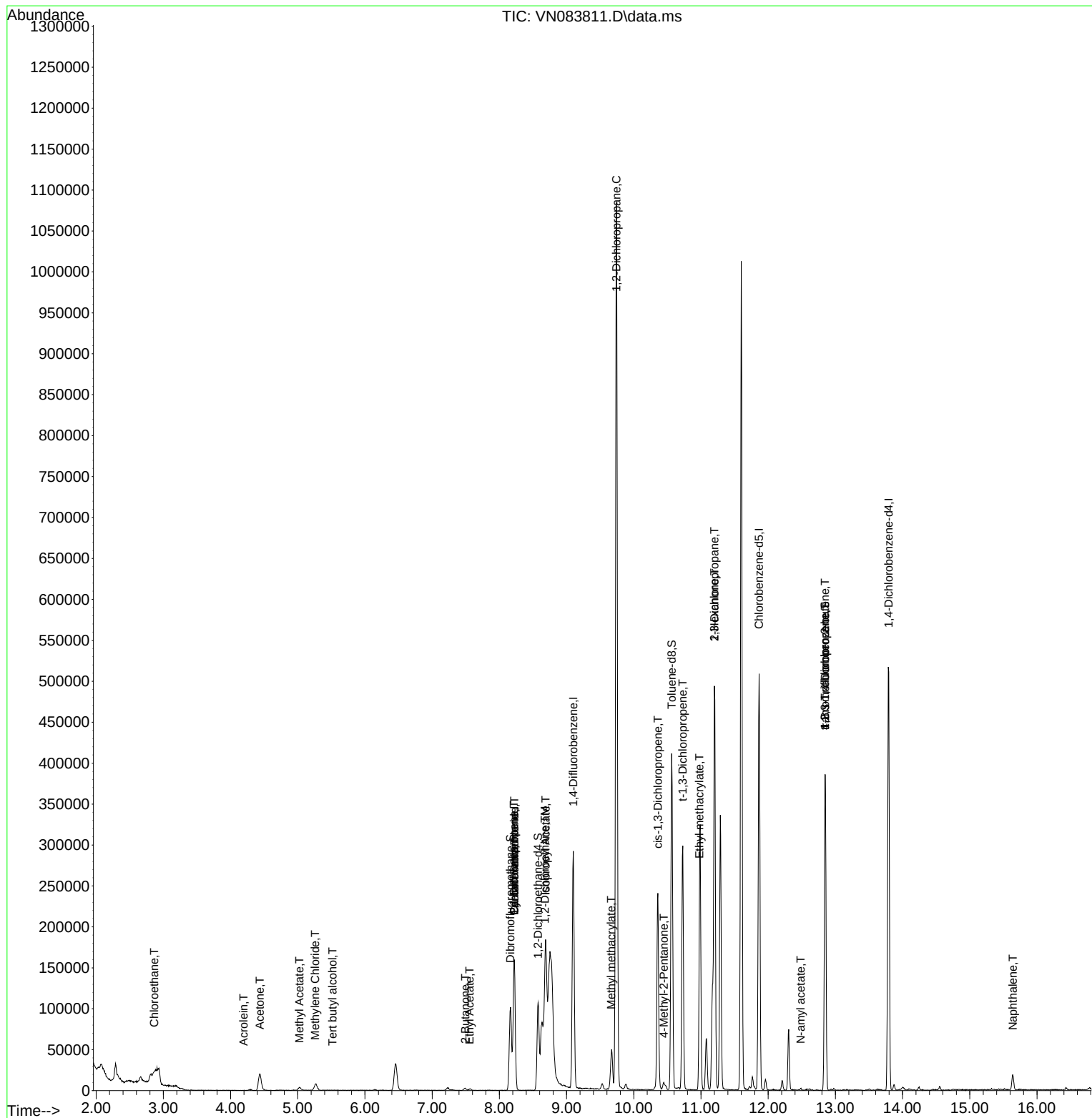
Internal Standards						
1) Pentafluorobenzene	8.224	168	107267	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	236723	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	275126	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	134461	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.577	65	92662	57.289	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	114.580%
35) Dibromofluoromethane	8.165	113	72585	47.896	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	95.800%
50) Toluene-d8	10.565	98	272882	52.086	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	104.180%
62) 4-Bromofluorobenzene	12.847	95	133205	61.626	ug/l	0.00
Spiked Amount	50.000	Range	77 - 121	Recovery	=	123.260%#
Target Compounds						
					Qvalue	
3) Chloromethane	2.365	50	433	Below Cal	#	41
6) Chloroethane	2.865	64	2604	2.719	ug/l #	45
11) Tert butyl alcohol	5.518	59	56	0.259	ug/l #	71
13) Acrolein	4.194	56	66	0.309	ug/l #	13
16) Acetone	4.436	43	38999	60.147	ug/l	97
18) Methyl Acetate	5.024	43	6987	3.444	ug/l	94
20) Methylene Chloride	5.259	84	6206	4.677	ug/l	89
25) 2-Butanone	7.494	43	4592	5.388	ug/l #	88
31) Cyclohexane	8.224	56	2987	1.278	ug/l #	32
36) 1,1-Dichloropropene	8.218	75	10021	4.393	ug/l #	50
37) Ethyl Acetate	7.559	43	3224	1.557	ug/l #	87
38) Carbon Tetrachloride	8.224	117	12823	4.955	ug/l #	16
42) 1,2-Dichloroethane	8.677	62	986	0.384	ug/l #	77
43) Isopropyl Acetate	8.688	43	309430	82.471	ug/l #	71
45) 1,2-Dichloropropane	9.741	63	1264	0.762	ug/l #	42
48) Methyl methacrylate	9.665	41	3462	1.945	ug/l #	46
51) 4-Methyl-2-Pentanone	10.447	43	10768	5.272	ug/l #	69
53) t-1,3-Dichloropropene	10.729	75	585	0.229	ug/l #	42
54) cis-1,3-Dichloropropene	10.359	75	40877	15.263	ug/l #	63
56) Ethyl methacrylate	10.976	69	1048	0.434	ug/l #	1
57) 1,3-Dichloropropane	11.200	76	5080	1.885	ug/l #	42
59) 2-Hexanone	11.200	43	67112	44.421	ug/l #	54
74) N-amyl acetate	12.482	43	1316	0.297	ug/l #	43
76) 1,2,3-Trichloropropane	12.847	75	74937	27.620	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.847	75	74937	72.338	ug/l #	9
95) Naphthalene	15.641	128	18573	2.494	ug/l	99

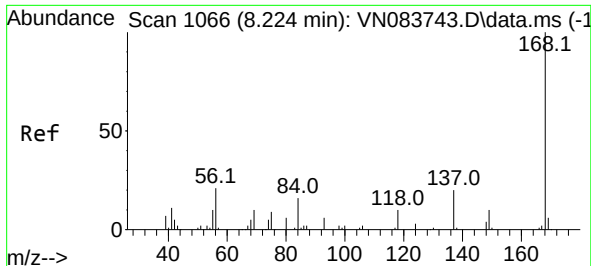
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN091124\
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MSVOA_N
ClientSampleId :

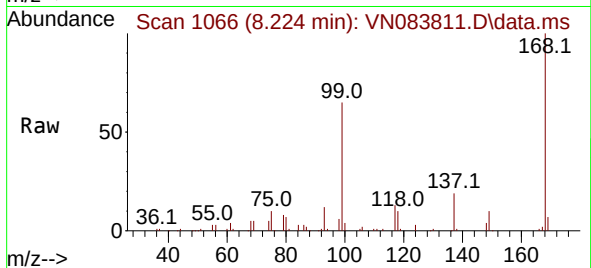
Quant Time: Sep 12 02:16:06 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N091024W.M
Quant Title : SW846 8260
QLast Update : Wed Sep 11 15:18:56 2024
Response via : Initial Calibration



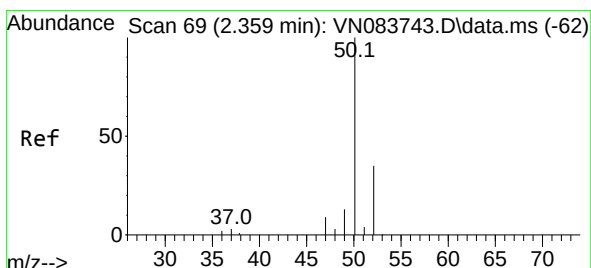
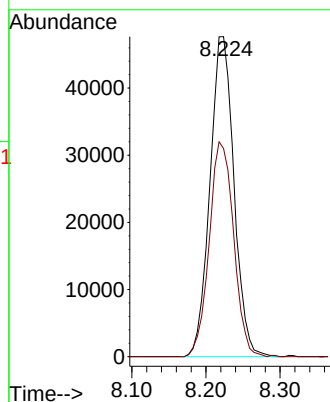
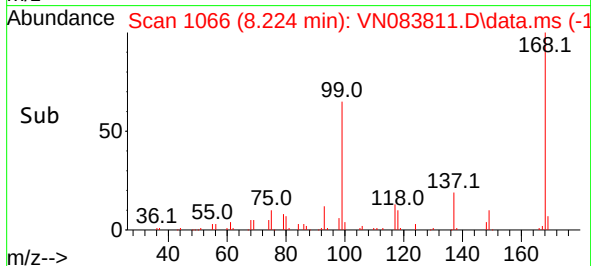


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. -0.000 min
Lab File: VN083811.D
Acq: 11 Sep 2024 21:33

Instrument :
MSVOA_N
ClientSampleId :

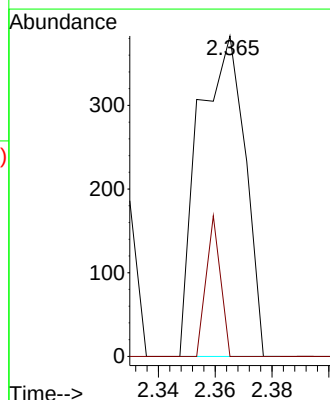
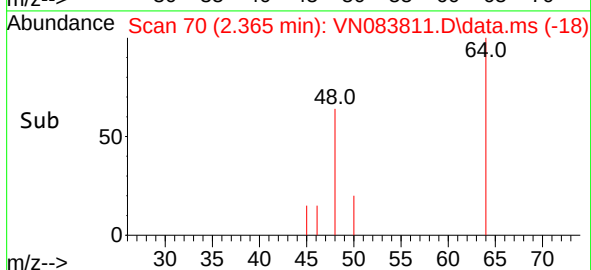
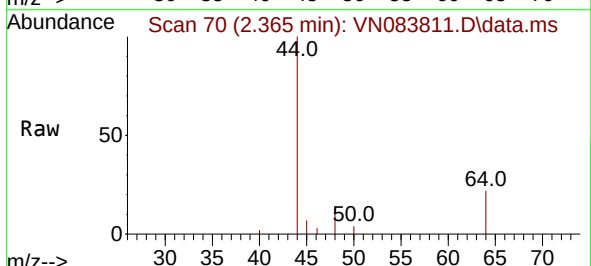


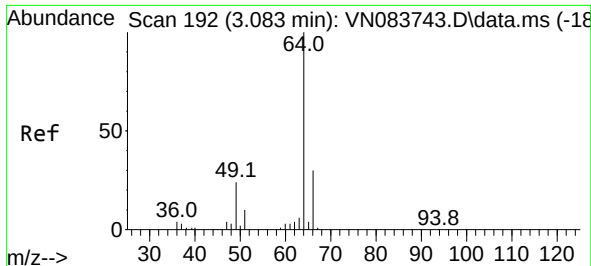
Tgt Ion:168 Resp: 107267
Ion Ratio Lower Upper
168 100
99 65.1 54.2 81.2



#3
Chloromethane
Concen: Below Cal
RT: 2.365 min Scan# 70
Delta R.T. 0.006 min
Lab File: VN083811.D
Acq: 11 Sep 2024 21:33

Tgt Ion: 50 Resp: 433
Ion Ratio Lower Upper
50 100
52 0.0 27.2 40.8#

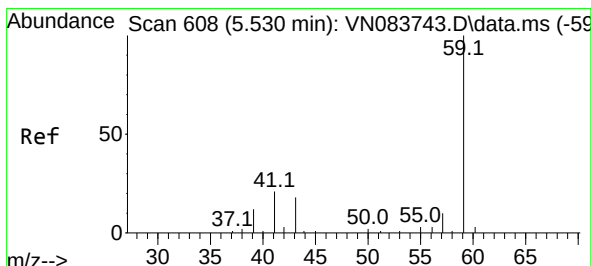
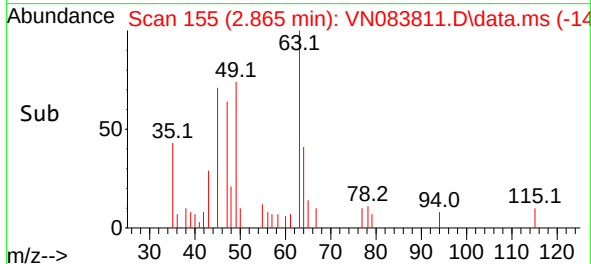
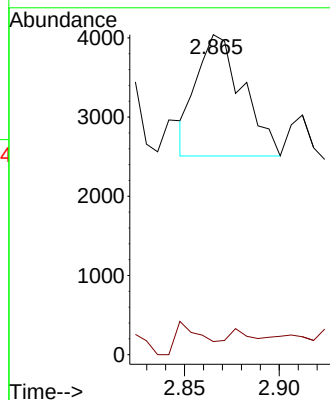
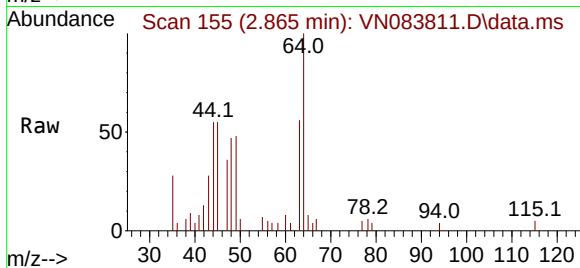




#6
Chloroethane
Concen: 2.719 ug/l
RT: 2.865 min Scan# 11
Delta R.T. -0.218 min
Lab File: VN083811.D
Acq: 11 Sep 2024 21:33

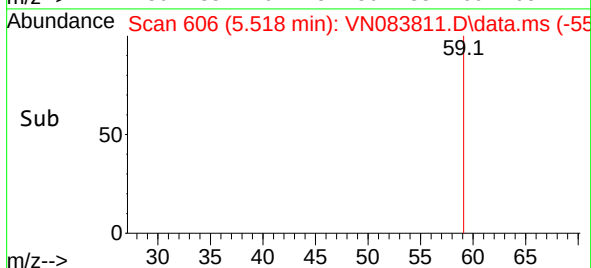
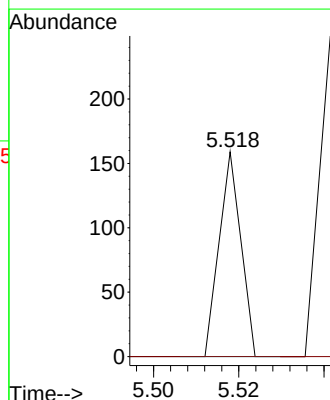
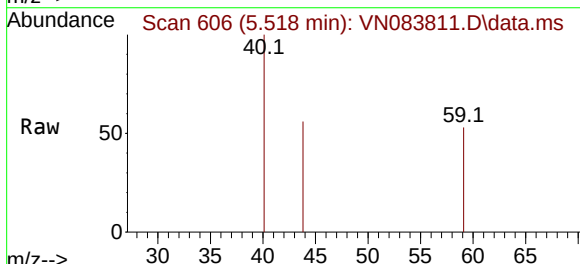
Instrument :
MSVOA_N
ClientSampleId :

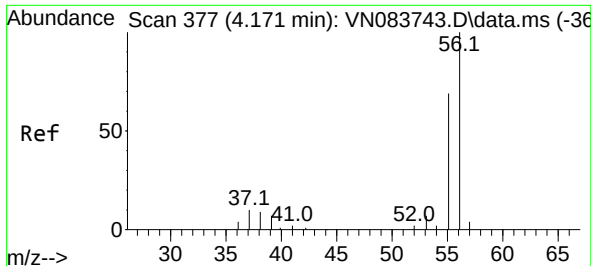
Tgt Ion: 64 Resp: 2604
Ion Ratio Lower Upper
64 100
66 0.0 23.9 35.9#



#11
Tert butyl alcohol
Concen: 0.259 ug/l
RT: 5.518 min Scan# 606
Delta R.T. -0.012 min
Lab File: VN083811.D
Acq: 11 Sep 2024 21:33

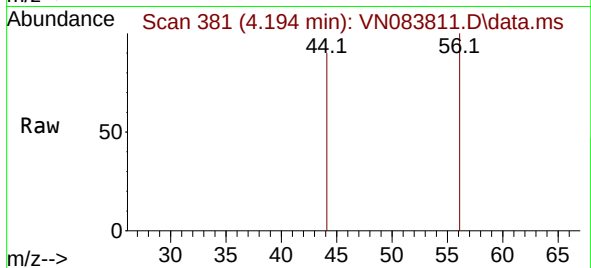
Tgt Ion: 59 Resp: 56
Ion Ratio Lower Upper
59 100
57 0.0 8.7 13.1#



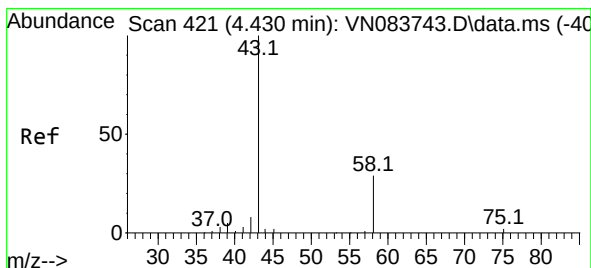
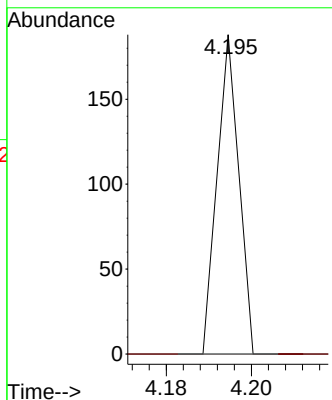


#13
Acrolein
Concen: 0.309 ug/l
RT: 4.194 min Scan# 381
Delta R.T. 0.023 min
Lab File: VN083811.D
Acq: 11 Sep 2024 21:33

Instrument :
MSVOA_N
ClientSampleId :

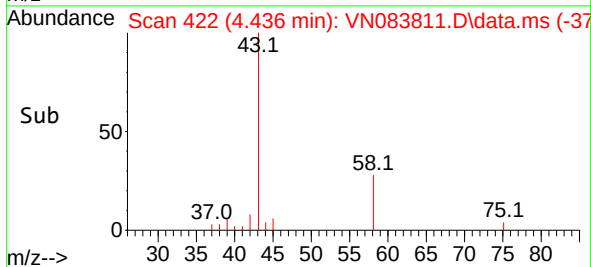
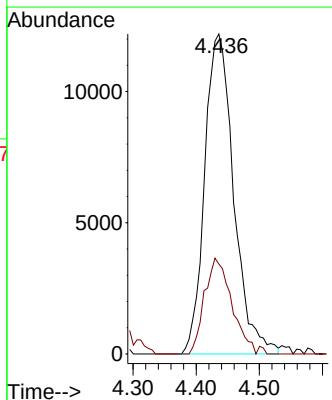
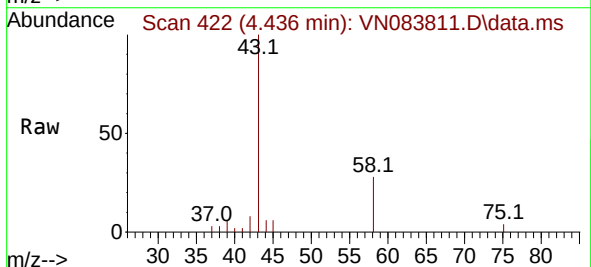


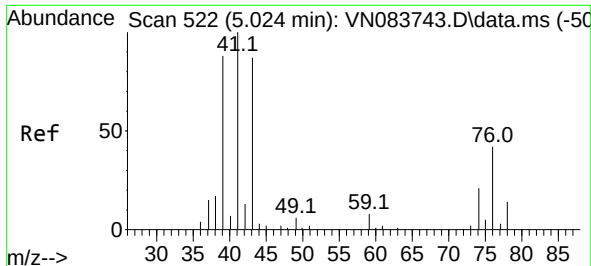
Tgt Ion: 56 Resp: 66
Ion Ratio Lower Upper
56 100
55 0.0 58.2 87.2#



#16
Acetone
Concen: 60.147 ug/l
RT: 4.436 min Scan# 422
Delta R.T. 0.006 min
Lab File: VN083811.D
Acq: 11 Sep 2024 21:33

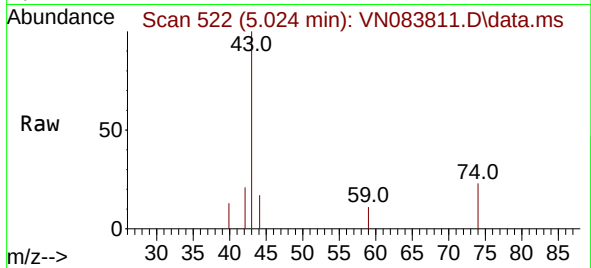
Tgt Ion: 43 Resp: 38999
Ion Ratio Lower Upper
43 100
58 28.1 23.7 35.5



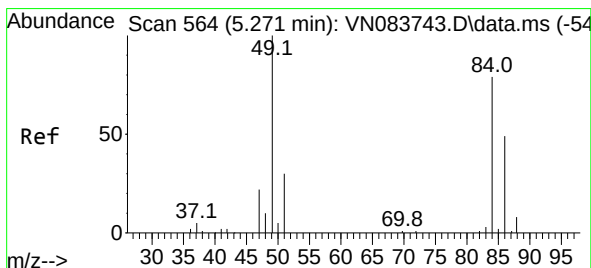
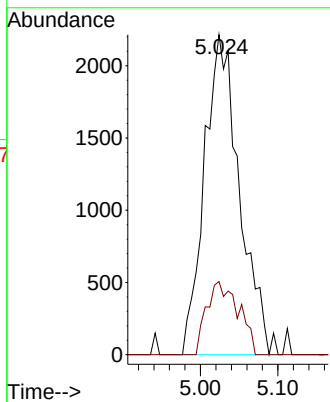
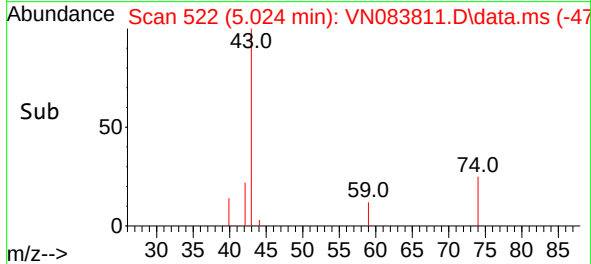


#18
Methyl Acetate
Concen: 3.444 ug/l
RT: 5.024 min Scan# 51
Delta R.T. -0.000 min
Lab File: VN083811.D
Acq: 11 Sep 2024 21:33

Instrument :
MSVOA_N
ClientSampleId :

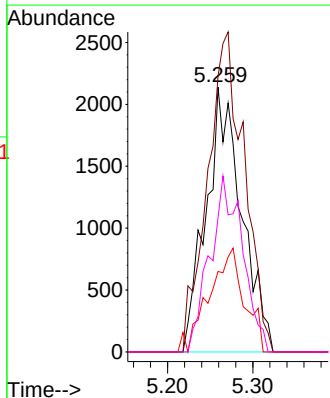
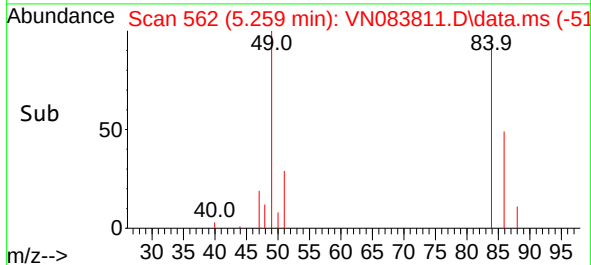
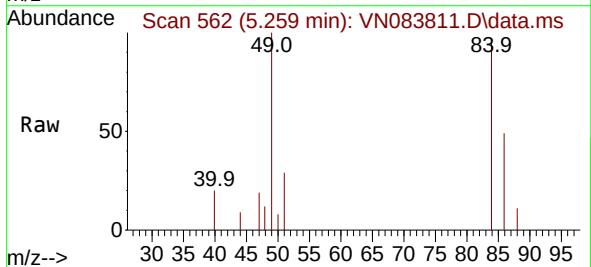


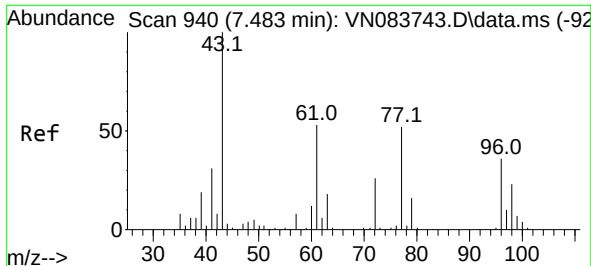
Tgt Ion: 43 Resp: 6987
Ion Ratio Lower Upper
43 100
74 20.8 19.0 28.4



#20
Methylene Chloride
Concen: 4.677 ug/l
RT: 5.259 min Scan# 562
Delta R.T. -0.012 min
Lab File: VN083811.D
Acq: 11 Sep 2024 21:33

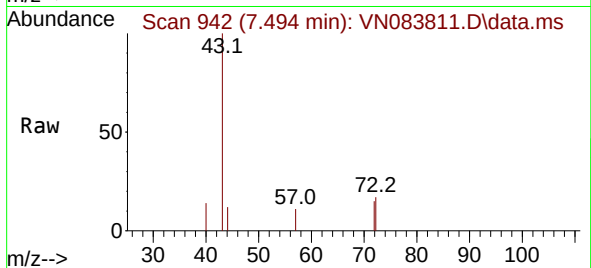
Tgt Ion: 84 Resp: 6206
Ion Ratio Lower Upper
84 100
49 104.2 93.4 140.0
51 30.4 29.2 43.8
86 50.8 46.9 70.3



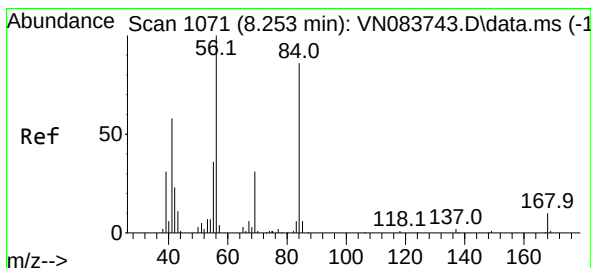
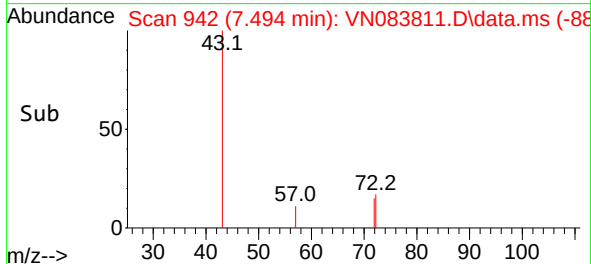
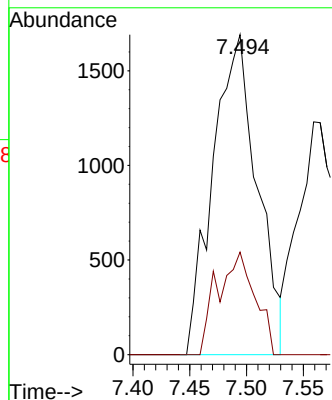


#25
2-Butanone
Concen: 5.388 ug/l
RT: 7.494 min Scan# 94
Delta R.T. 0.012 min
Lab File: VN083811.D
Acq: 11 Sep 2024 21:33

Instrument :
MSVOA_N
ClientSampleId :

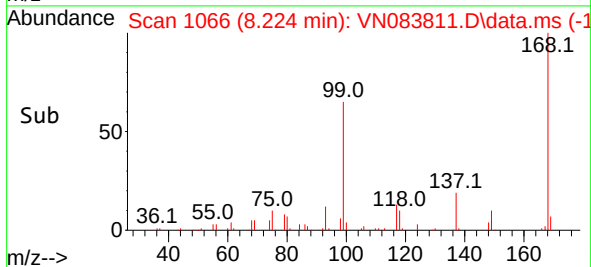
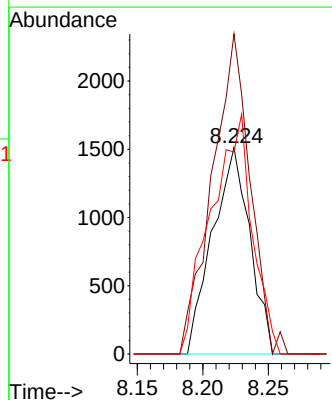
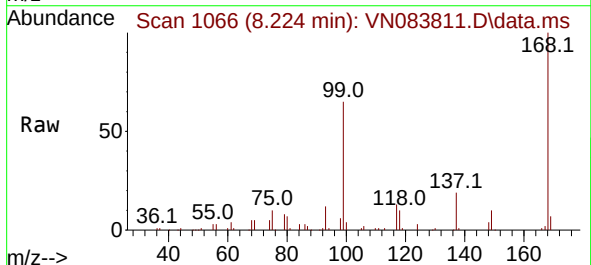


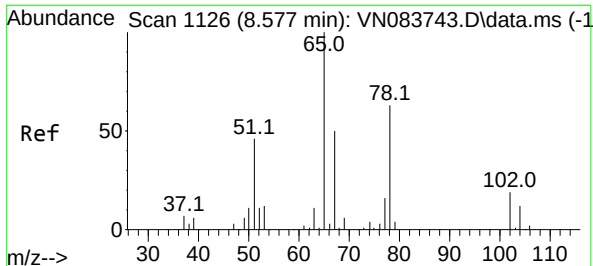
Tgt Ion: 43 Resp: 4592
Ion Ratio Lower Upper
43 100
72 32.1 20.8 31.2#



#31
Cyclohexane
Concen: 1.278 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. -0.029 min
Lab File: VN083811.D
Acq: 11 Sep 2024 21:33

Tgt Ion: 56 Resp: 2987
Ion Ratio Lower Upper
56 100
69 155.0 26.9 40.3#
84 97.9 69.2 103.8





#33

1,2-Dichloroethane-d4

Concen: 57.289 ug/l

RT: 8.577 min Scan# 1126

Delta R.T. -0.000 min

Lab File: VN083811.D

Acq: 11 Sep 2024 21:33

Instrument :

MSVOA_N

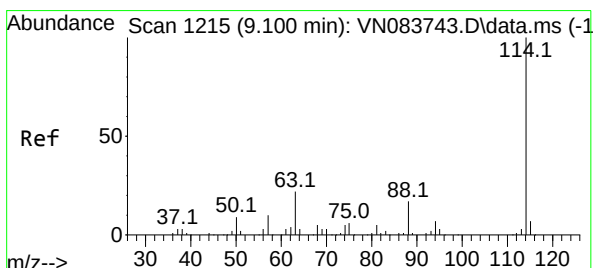
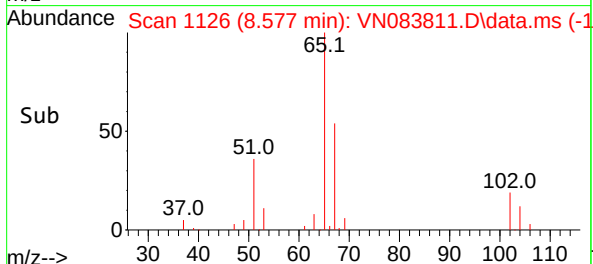
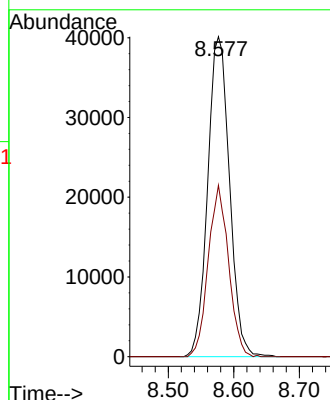
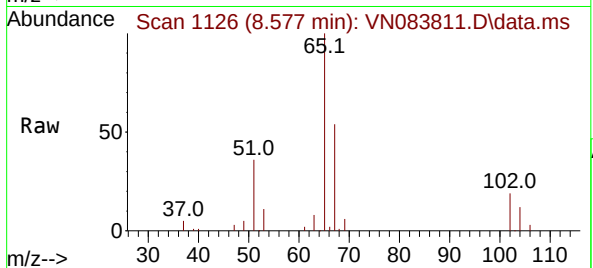
ClientSampleId :

Tgt Ion: 65 Resp: 92662

Ion Ratio Lower Upper

65 100

67 50.0 0.0 100.8



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.100 min Scan# 1215

Delta R.T. -0.000 min

Lab File: VN083811.D

Acq: 11 Sep 2024 21:33

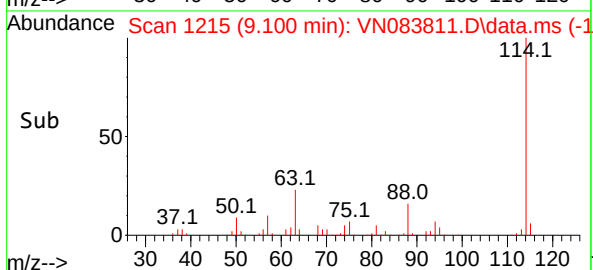
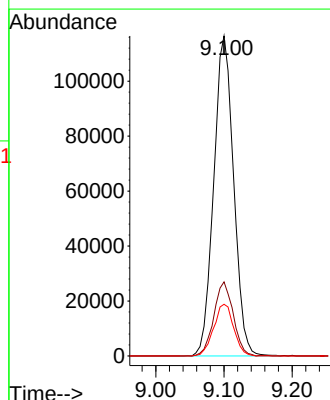
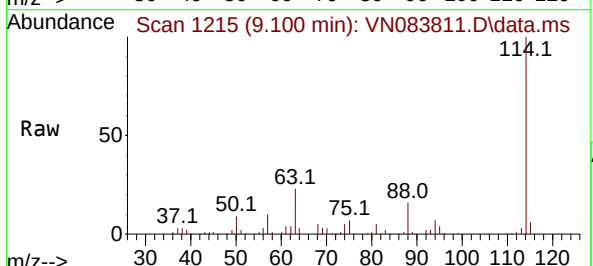
Tgt Ion: 114 Resp: 236723

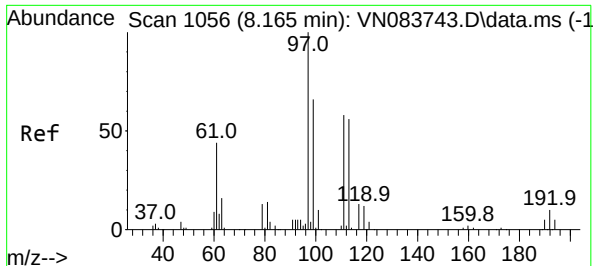
Ion Ratio Lower Upper

114 100

63 23.2 0.0 43.4

88 16.1 0.0 32.6





#35

Dibromofluoromethane

Concen: 47.896 ug/l

RT: 8.165 min Scan# 1056

Delta R.T. -0.000 min

Lab File: VN083811.D

Acq: 11 Sep 2024 21:33

Instrument :

MSVOA_N

ClientSampleId :

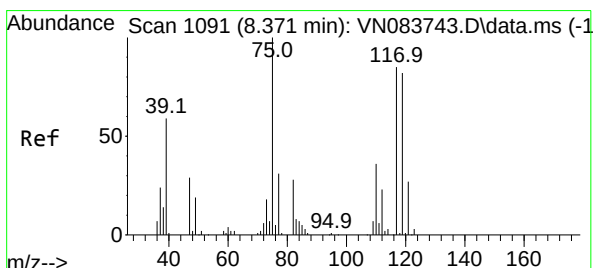
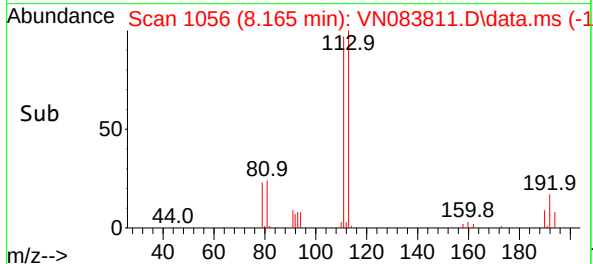
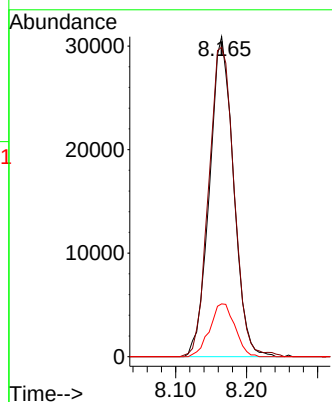
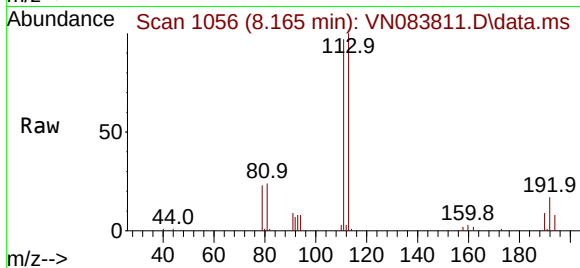
Tgt Ion:113 Resp: 72585

Ion Ratio Lower Upper

113 100

111 102.2 82.6 124.0

192 17.2 14.3 21.5



#36

1,1-Dichloropropene

Concen: 4.393 ug/l

RT: 8.218 min Scan# 1065

Delta R.T. -0.153 min

Lab File: VN083811.D

Acq: 11 Sep 2024 21:33

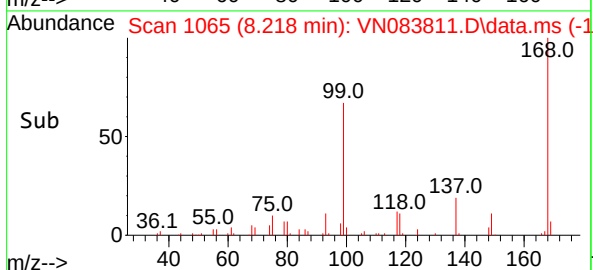
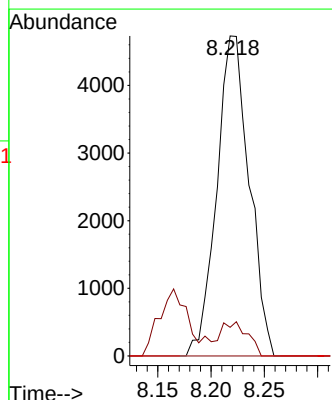
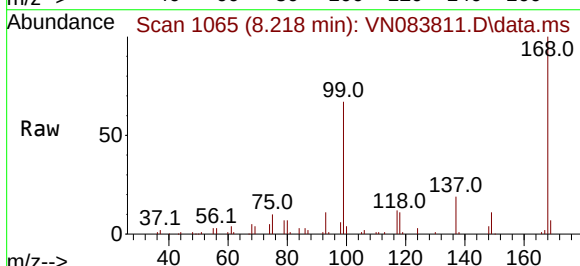
Tgt Ion: 75 Resp: 10021

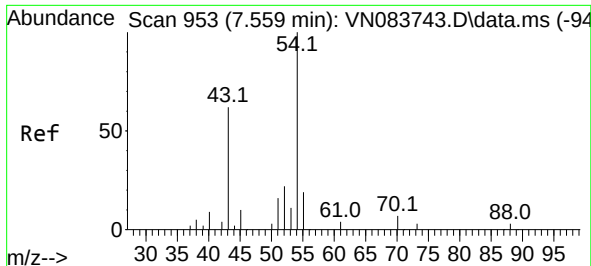
Ion Ratio Lower Upper

75 100

110 8.9 16.7 50.1#

77 0.0 25.2 37.8#





#37

Ethyl Acetate

Concen: 1.557 ug/l

RT: 7.559 min Scan# 91

Delta R.T. -0.000 min

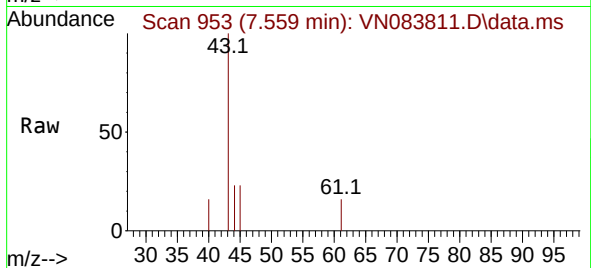
Lab File: VN083811.D

Acq: 11 Sep 2024 21:33

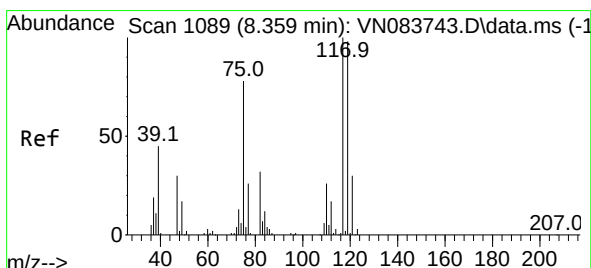
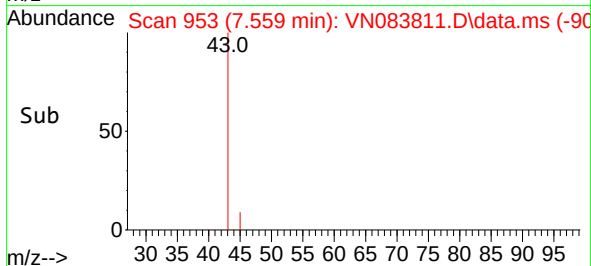
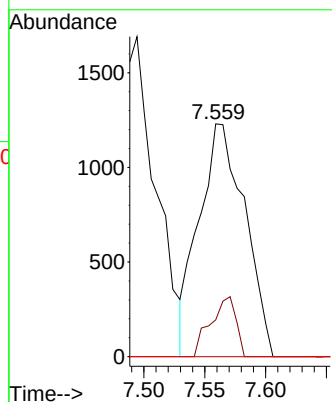
Instrument :

MSVOA_N

ClientSampleId :



Tgt Ion:	43	Resp:	3224
Ion	Ratio	Lower	Upper
43	100		
61	14.2	11.1	16.7
70	0.0	8.8	13.2#



#38

Carbon Tetrachloride

Concen: 4.955 ug/l

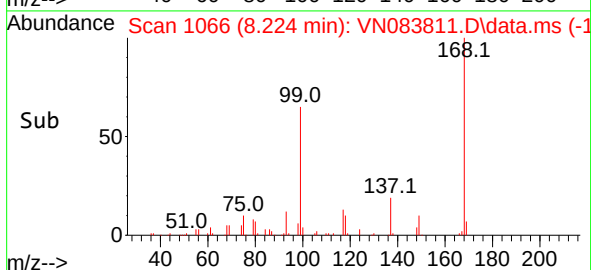
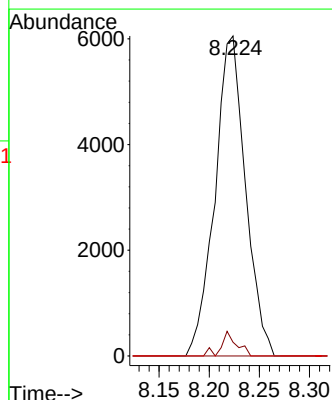
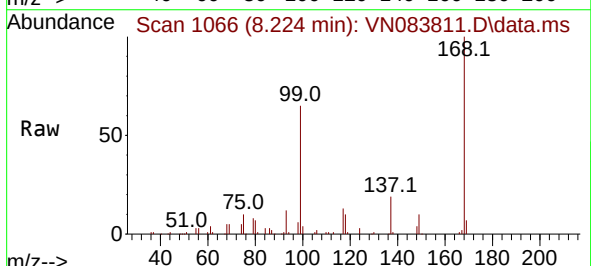
RT: 8.224 min Scan# 1066

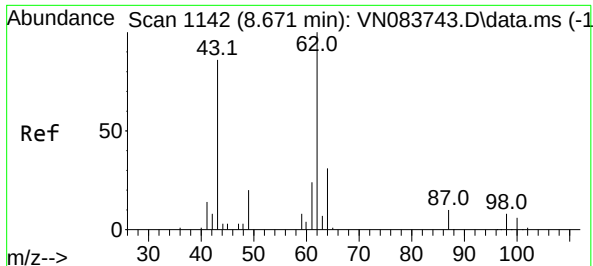
Delta R.T. -0.135 min

Lab File: VN083811.D

Acq: 11 Sep 2024 21:33

Tgt Ion:	117	Resp:	12823
Ion	Ratio	Lower	Upper
117	100		
119	4.3	76.1	114.1#
121	0.0	24.1	36.1#

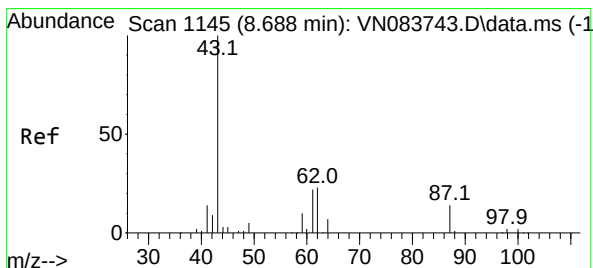
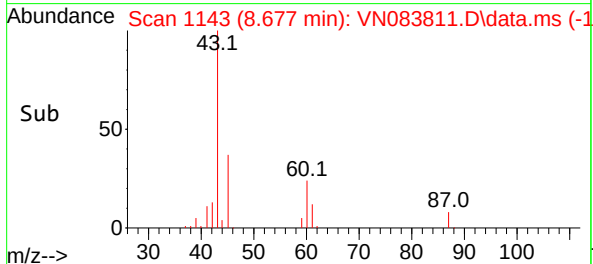
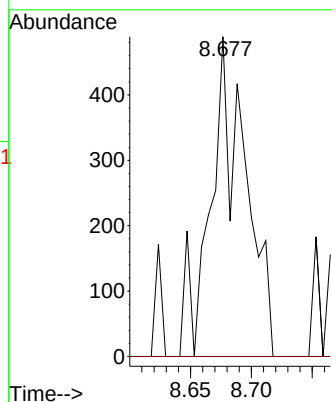
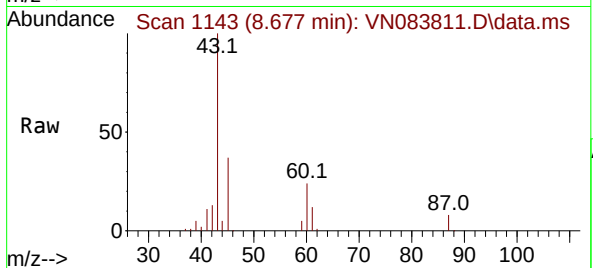




#42
1,2-Dichloroethane
Concen: 0.384 ug/l
RT: 8.677 min Scan# 1143
Delta R.T. 0.006 min
Lab File: VN083811.D
Acq: 11 Sep 2024 21:33

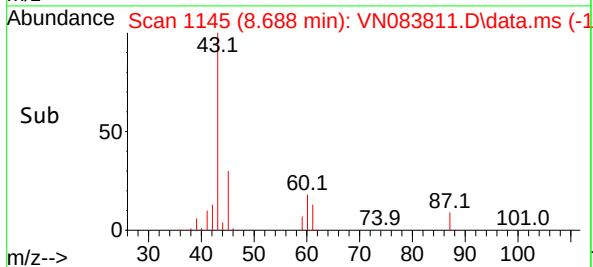
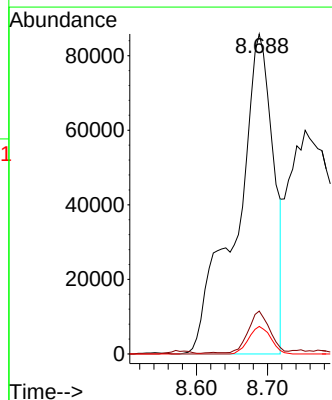
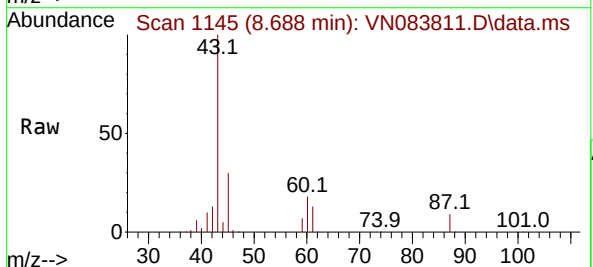
Instrument :
MSVOA_N
ClientSampleId :

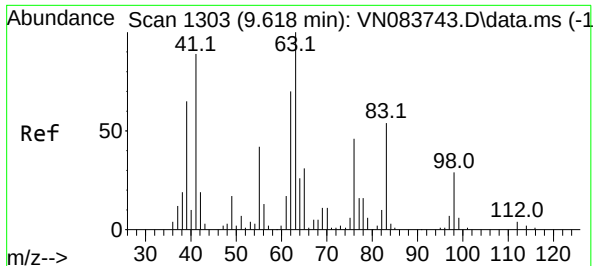
Tgt Ion: 62 Resp: 986
Ion Ratio Lower Upper
62 100
98 0.0 0.0 16.6



#43
Isopropyl Acetate
Concen: 82.471 ug/l
RT: 8.688 min Scan# 1145
Delta R.T. -0.000 min
Lab File: VN083811.D
Acq: 11 Sep 2024 21:33

Tgt Ion: 43 Resp: 309430
Ion Ratio Lower Upper
43 100
61 7.4 19.4 29.0#
87 5.1 9.8 14.6#

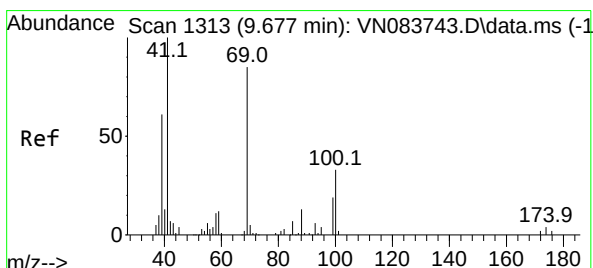
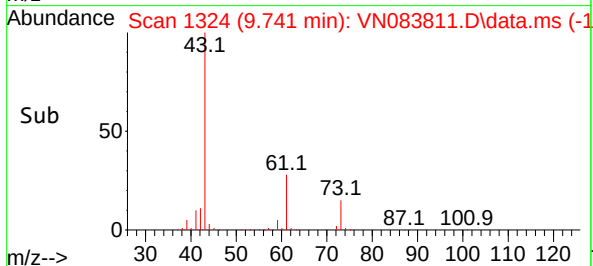
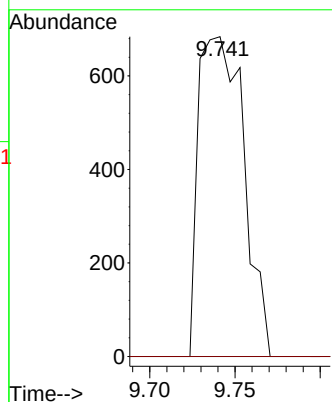
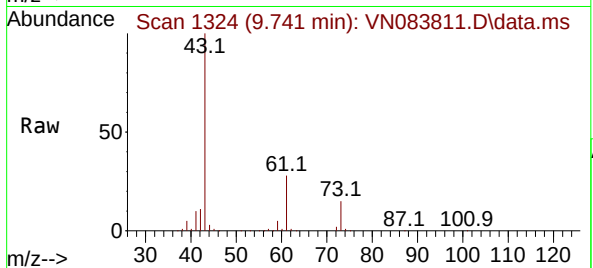




#45
1,2-Dichloropropane
Concen: 0.762 ug/l
RT: 9.741 min Scan# 1324
Delta R.T. 0.123 min
Lab File: VN083811.D
Acq: 11 Sep 2024 21:33

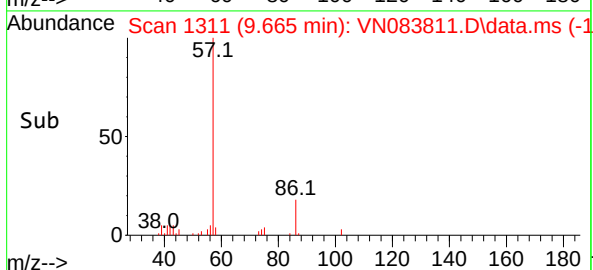
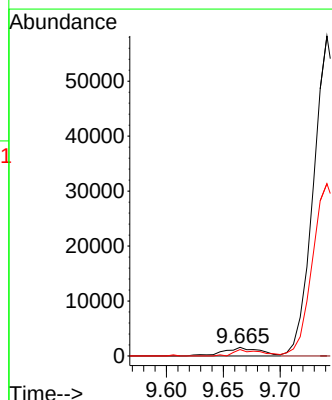
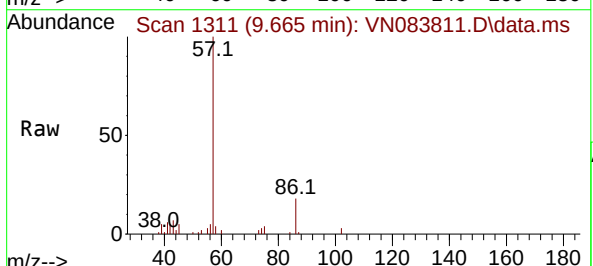
Instrument :
MSVOA_N
ClientSampleId :

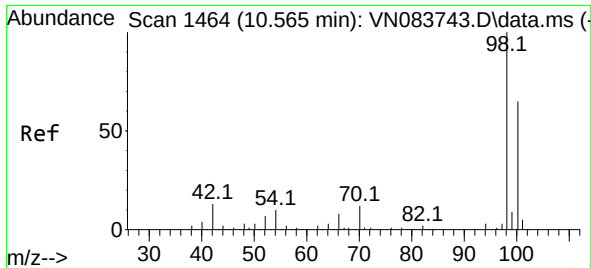
Tgt Ion: 63 Resp: 1264
Ion Ratio Lower Upper
63 100
65 0.0 25.9 38.9#



#48
Methyl methacrylate
Concen: 1.945 ug/l
RT: 9.665 min Scan# 1311
Delta R.T. -0.012 min
Lab File: VN083811.D
Acq: 11 Sep 2024 21:33

Tgt Ion: 41 Resp: 3462
Ion Ratio Lower Upper
41 100
69 0.0 64.3 96.5#
39 56.4 48.9 73.3

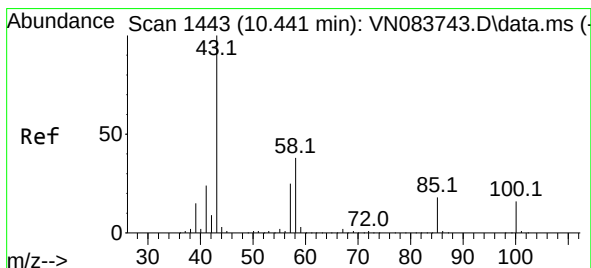
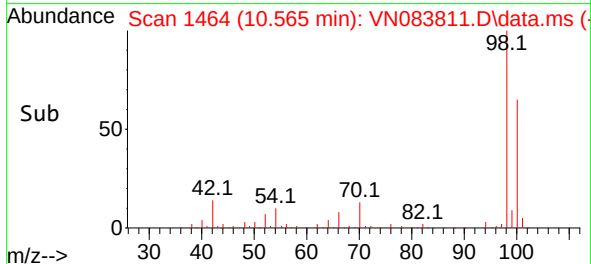
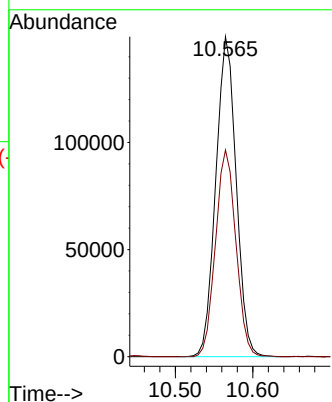
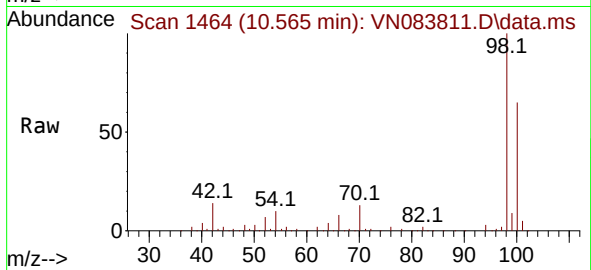




#50
Toluene-d8
Concen: 52.086 ug/l
RT: 10.565 min Scan# 1464
Delta R.T. -0.000 min
Lab File: VN083811.D
Acq: 11 Sep 2024 21:33

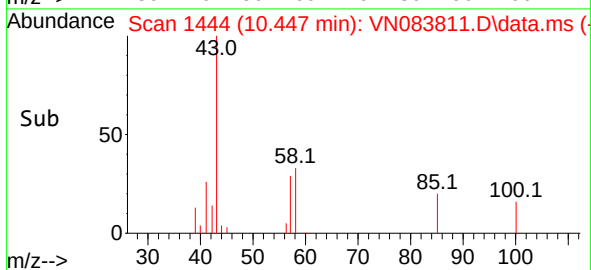
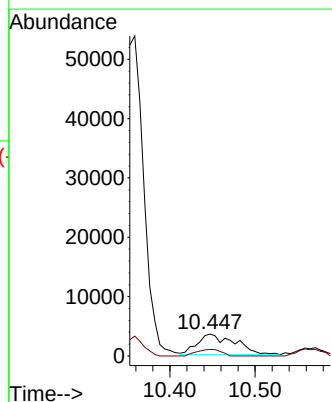
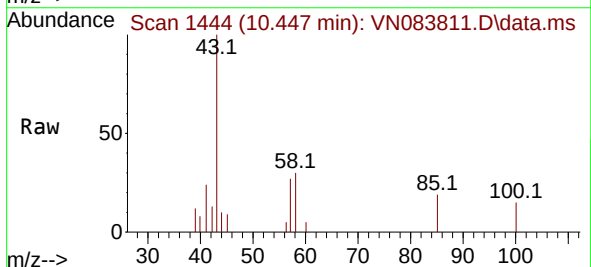
Instrument :
MSVOA_N
ClientSampleId :

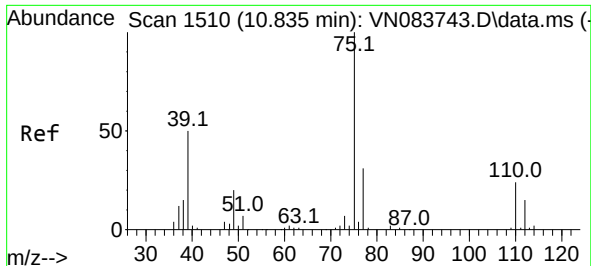
Tgt Ion: 98 Resp: 272882
Ion Ratio Lower Upper
98 100
100 64.7 52.0 78.0



#51
4-Methyl-2-Pentanone
Concen: 5.272 ug/l
RT: 10.447 min Scan# 1444
Delta R.T. 0.006 min
Lab File: VN083811.D
Acq: 11 Sep 2024 21:33

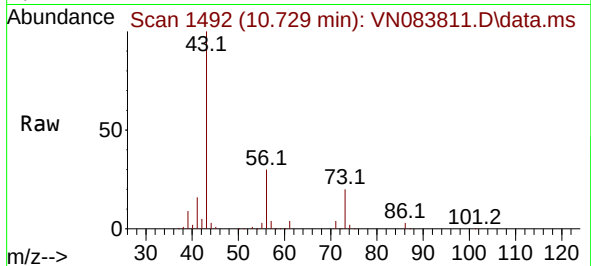
Tgt Ion: 43 Resp: 10768
Ion Ratio Lower Upper
43 100
58 20.5 31.6 47.4#



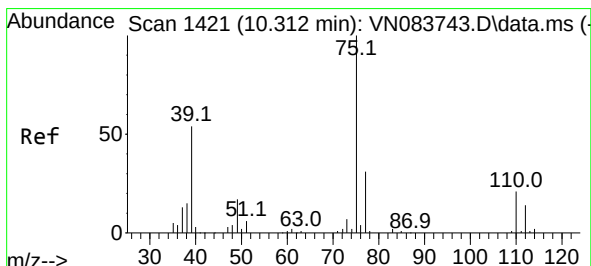
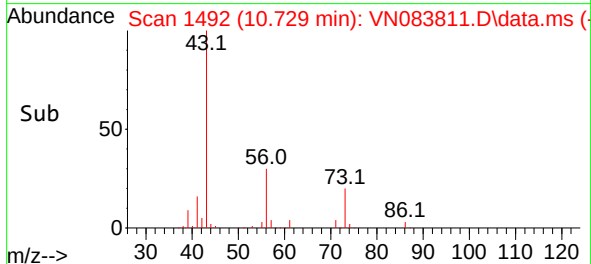
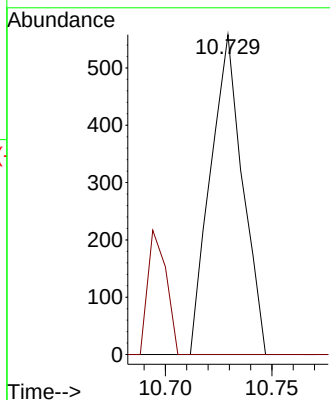


#53
t-1,3-Dichloropropene
Concen: 0.229 ug/l
RT: 10.729 min Scan# 1492
Delta R.T. -0.106 min
Lab File: VN083811.D
Acq: 11 Sep 2024 21:33

Instrument :
MSVOA_N
ClientSampleId :

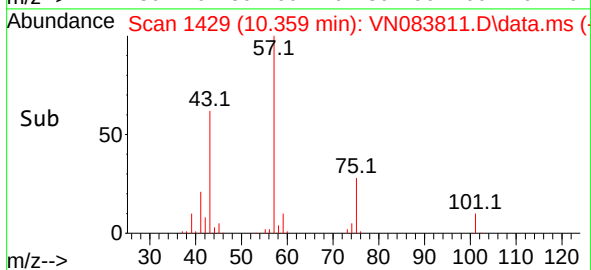
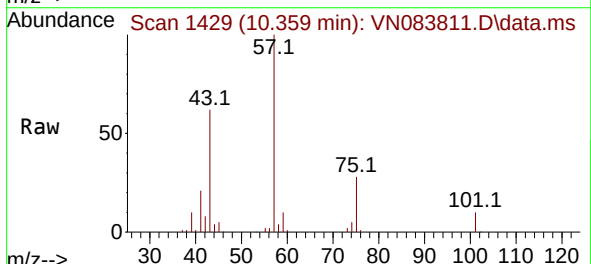
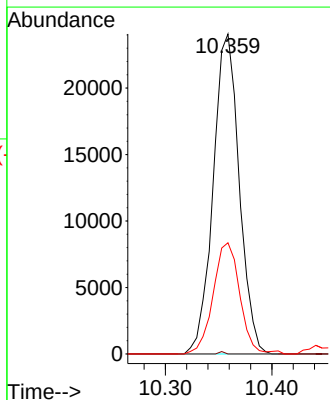


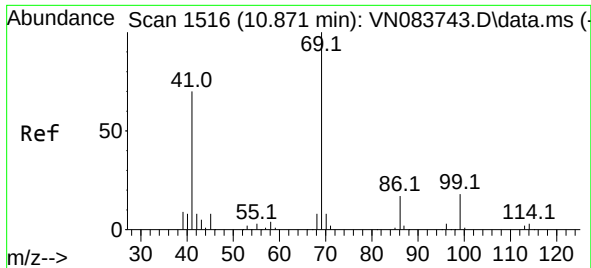
Tgt Ion: 75 Resp: 585
Ion Ratio Lower Upper
75 100
77 0.0 25.8 38.6#



#54
cis-1,3-Dichloropropene
Concen: 15.263 ug/l
RT: 10.359 min Scan# 1429
Delta R.T. 0.047 min
Lab File: VN083811.D
Acq: 11 Sep 2024 21:33

Tgt Ion: 75 Resp: 40877
Ion Ratio Lower Upper
75 100
77 0.0 25.0 37.6#
39 34.8 42.6 64.0#

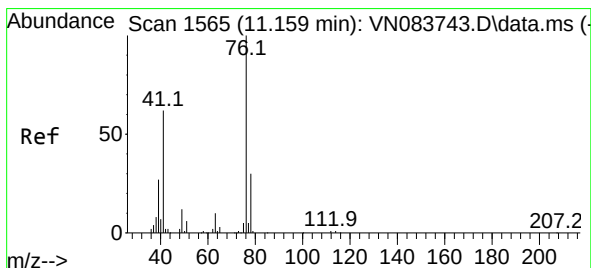
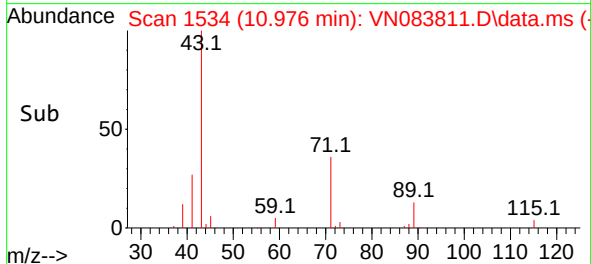
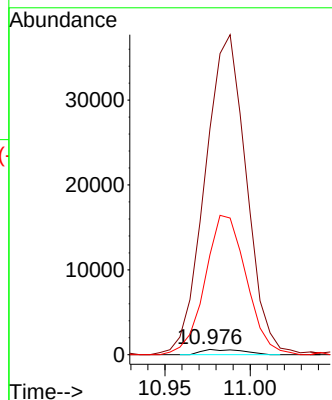
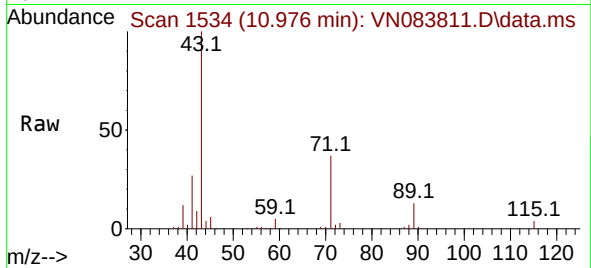




#56
Ethyl methacrylate
Concen: 0.434 ug/l
RT: 10.976 min Scan# 11
Delta R.T. 0.106 min
Lab File: VN083811.D
Acq: 11 Sep 2024 21:33

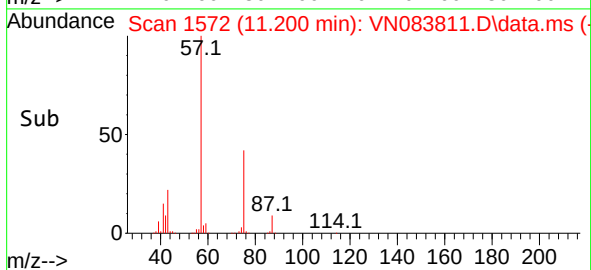
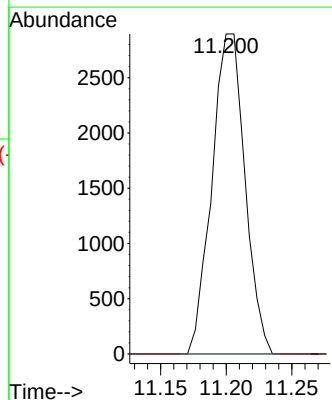
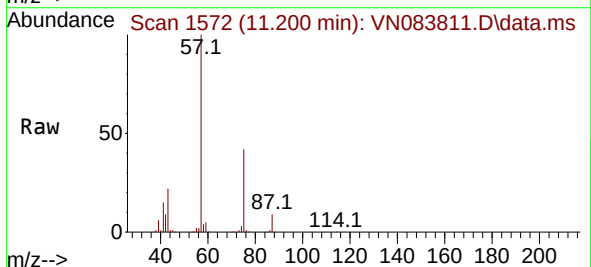
Instrument :
MSVOA_N
ClientSampleId :

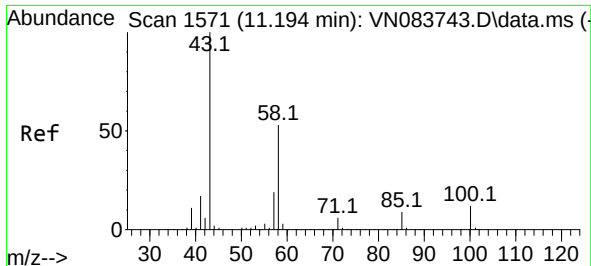
Tgt Ion: 69 Resp: 1048
Ion Ratio Lower Upper
69 100
41 6099.4 53.9 80.9#
39 2646.8 32.6 48.8#



#57
1,3-Dichloropropane
Concen: 1.885 ug/l
RT: 11.200 min Scan# 1572
Delta R.T. 0.041 min
Lab File: VN083811.D
Acq: 11 Sep 2024 21:33

Tgt Ion: 76 Resp: 5080
Ion Ratio Lower Upper
76 100
78 0.0 25.8 38.6#

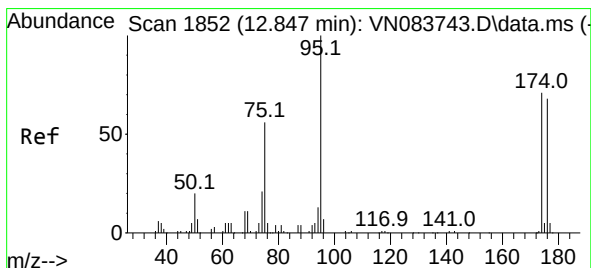
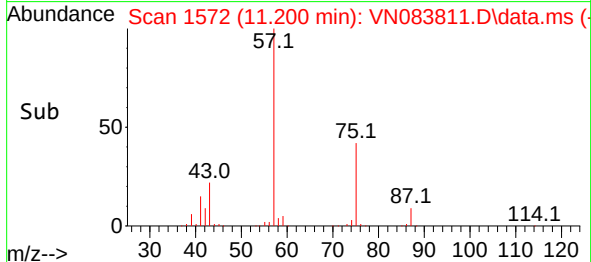
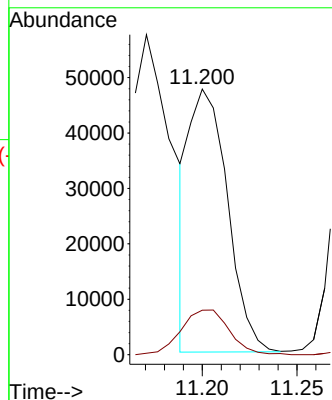
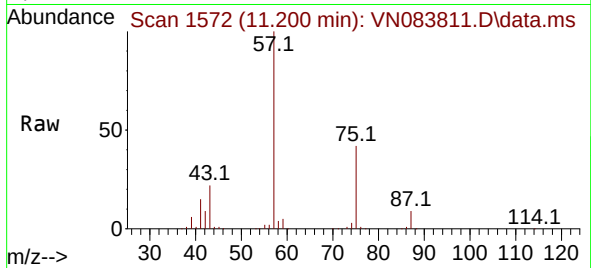




#59
2-Hexanone
Concen: 44.421 ug/l
RT: 11.200 min Scan# 1571
Delta R.T. 0.006 min
Lab File: VN083811.D
Acq: 11 Sep 2024 21:33

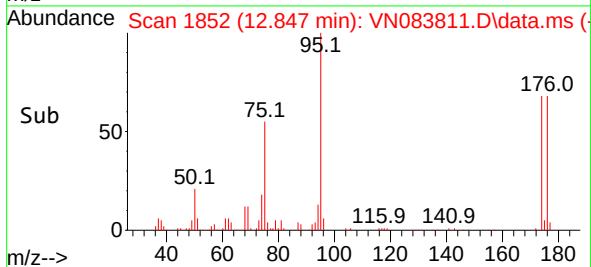
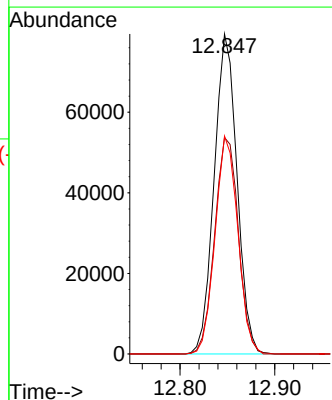
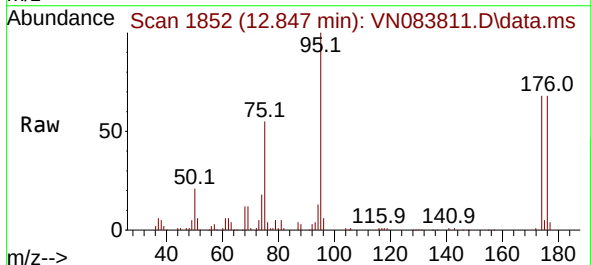
Instrument :
MSVOA_N
ClientSampleId :

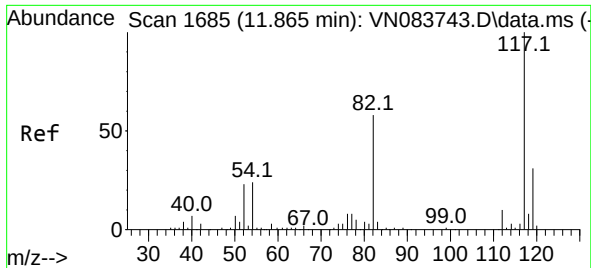
Tgt Ion: 43 Resp: 67112
Ion Ratio Lower Upper
43 100
58 21.2 27.2 81.5#



#62
4-Bromofluorobenzene
Concen: 61.626 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.000 min
Lab File: VN083811.D
Acq: 11 Sep 2024 21:33

Tgt Ion: 95 Resp: 133205
Ion Ratio Lower Upper
95 100
174 70.3 0.0 139.8
176 67.8 0.0 131.4

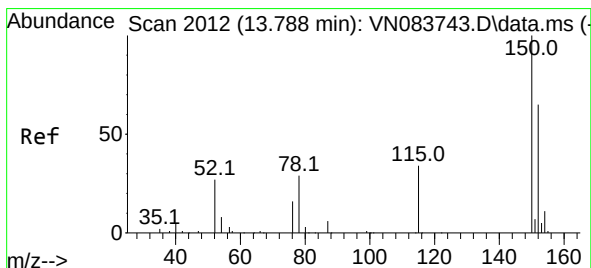
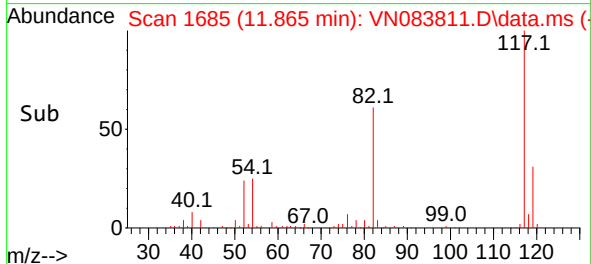
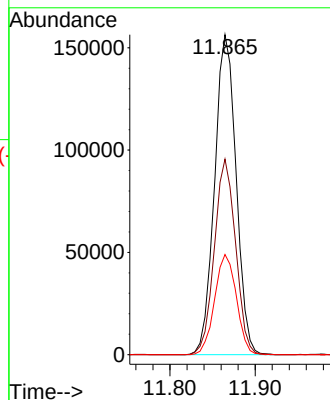
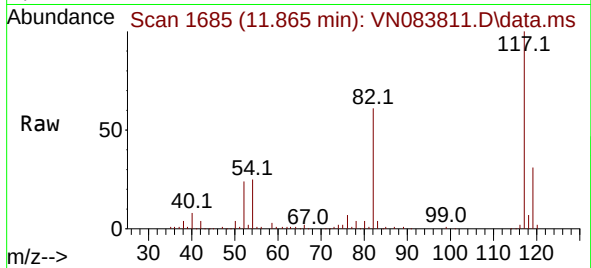




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN083811.D
Acq: 11 Sep 2024 21:33

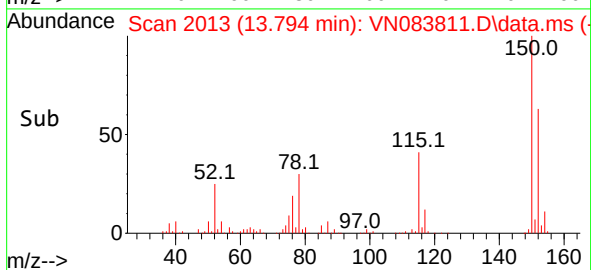
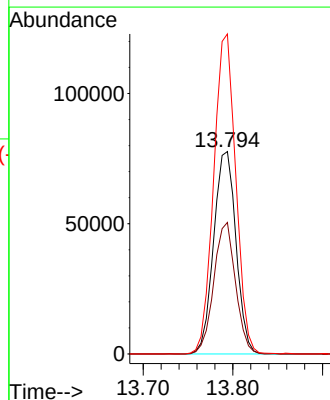
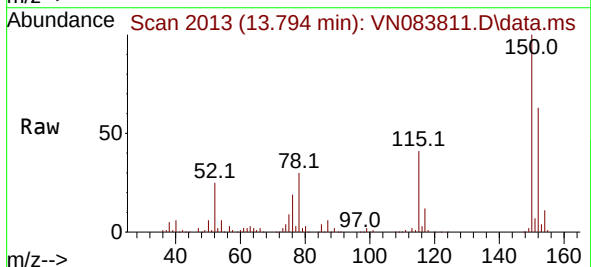
Instrument :
MSVOA_N
ClientSampleId :

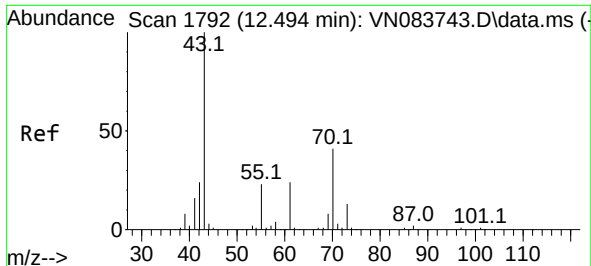
Tgt Ion:117 Resp: 275126
Ion Ratio Lower Upper
117 100
82 61.1 47.4 71.0
119 31.3 26.3 39.5



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.794 min Scan# 2013
Delta R.T. 0.006 min
Lab File: VN083811.D
Acq: 11 Sep 2024 21:33

Tgt Ion:152 Resp: 134461
Ion Ratio Lower Upper
152 100
115 63.2 32.2 96.6
150 156.2 0.0 348.6

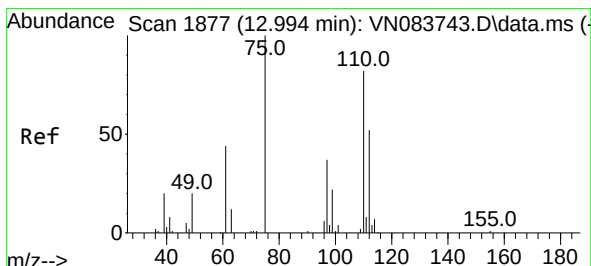
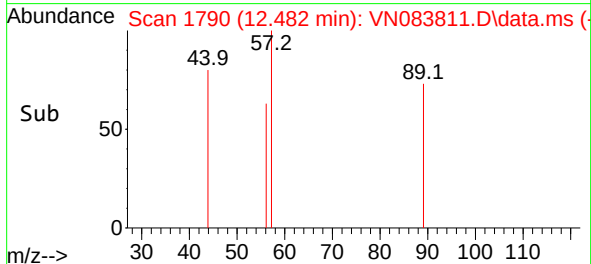
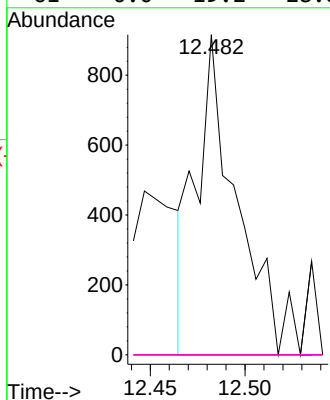
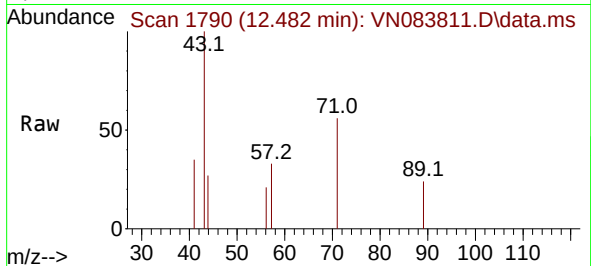




#74
N-amy1 acetate
Concen: 0.297 ug/l
RT: 12.482 min Scan# 11
Delta R.T. -0.012 min
Lab File: VN083811.D
Acq: 11 Sep 2024 21:33

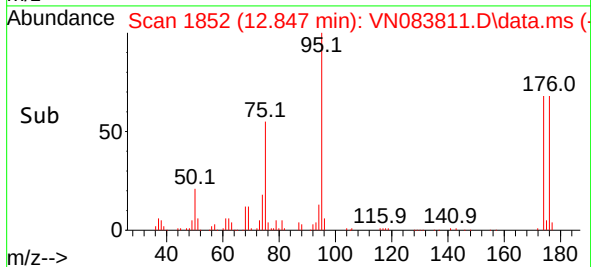
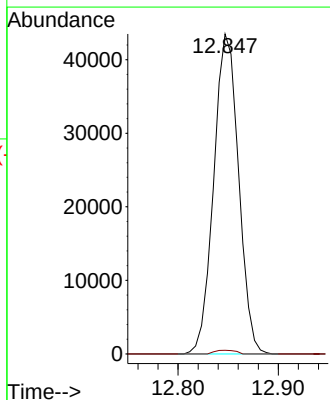
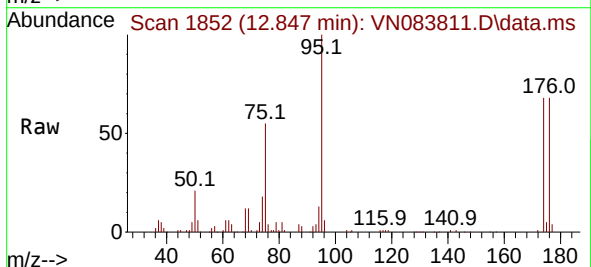
Instrument :
MSVOA_N
ClientSampleId :

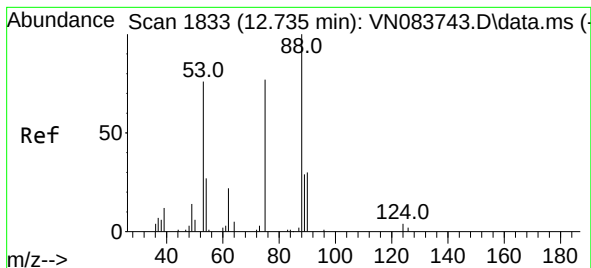
Tgt Ion: 43	Resp: 1316
Ion Ratio	Lower Upper
43 100	
70 0.0	34.5 51.7#
55 0.0	18.6 28.0#
61 0.0	19.2 28.8#



#76
1,2,3-Trichloropropane
Concen: 27.620 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.147 min
Lab File: VN083811.D
Acq: 11 Sep 2024 21:33

Tgt Ion: 75	Resp: 74937
Ion Ratio	Lower Upper
75 100	
77 1.0	95.2 285.6#

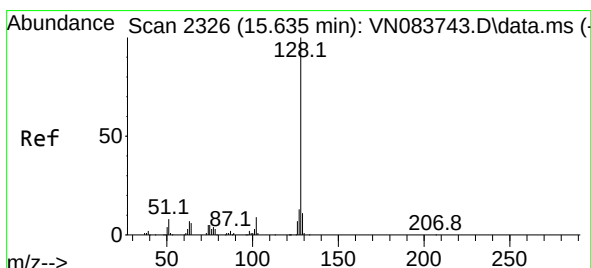
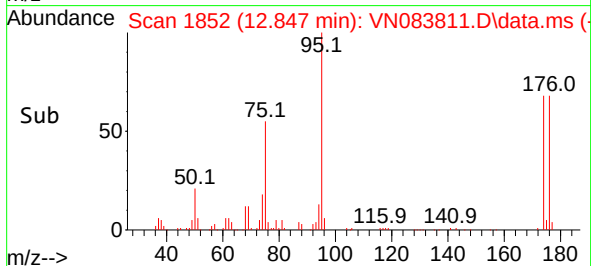
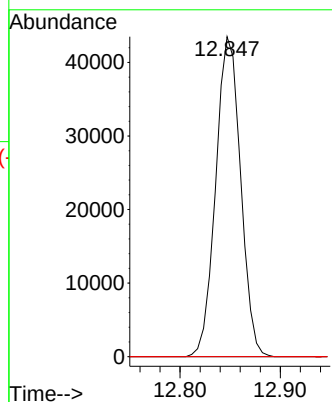
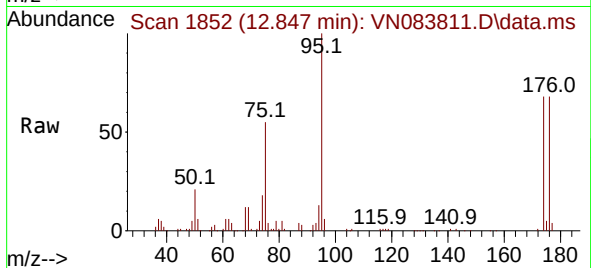




#81
trans-1,4-Dichloro-2-butene
Concen: 72.338 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. 0.112 min
Lab File: VN083811.D
Acq: 11 Sep 2024 21:33

Instrument :
MSVOA_N
ClientSampleId :

Tgt Ion: 75 Resp: 74937
Ion Ratio Lower Upper
75 100
53 0.0 81.2 121.8#
89 0.0 35.7 53.5#



#95
Naphthalene
Concen: 2.494 ug/l
RT: 15.641 min Scan# 2327
Delta R.T. 0.006 min
Lab File: VN083811.D
Acq: 11 Sep 2024 21:33

Tgt Ion:128 Resp: 18573
Ion Ratio Lower Upper
128 100
127 12.3 10.2 15.2
129 11.4 8.7 13.1

