

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN091824\
 Data File : VN083991.D
 Acq On : 18 Sep 2024 18:39
 Operator : JC\MD
 Sample : PB163447ZHE#08
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Sep 19 01:39:04 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

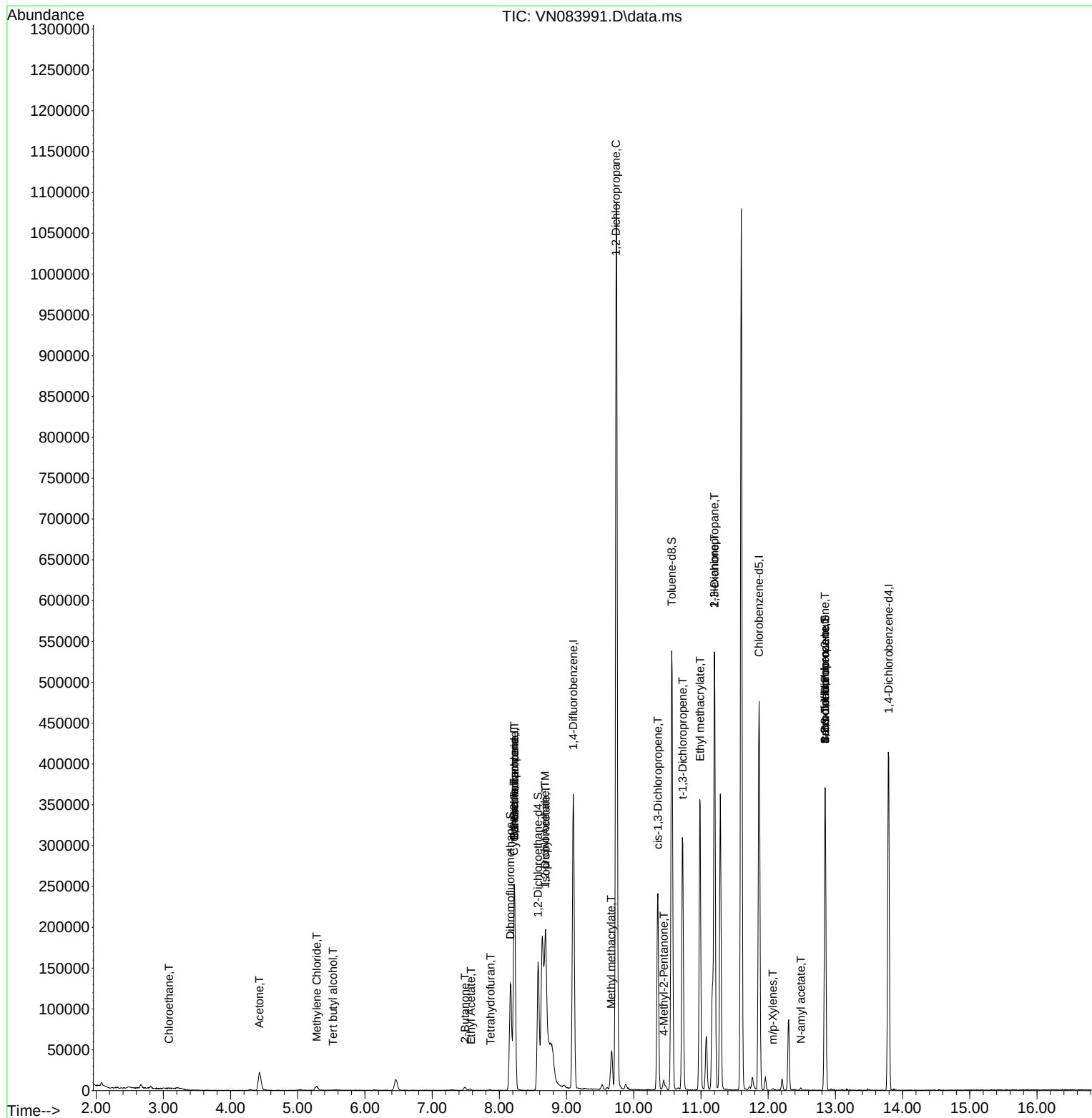
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	8.224	168	169652	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	293496	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	252091	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	106530	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.577	65	131193	51.285	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	= 102.580%	
35) Dibromofluoromethane	8.165	113	91685	48.797	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 97.600%	
50) Toluene-d8	10.565	98	354770	54.617	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	= 109.240%	
62) 4-Bromofluorobenzene	12.847	95	123669	46.147	ug/l	0.00
Spiked Amount	50.000	Range	77 - 121	Recovery	= 92.300%	
Target Compounds						Qvalue
3) Chloromethane	2.365	50	213	Below Cal	#	41
6) Chloroethane	3.083	64	589	0.389	ug/l #	45
11) Tert butyl alcohol	5.524	59	140	0.409	ug/l #	71
16) Acetone	4.430	43	44300	43.199	ug/l	91
18) Methyl Acetate	5.036	43	1853	Below Cal	#	52
20) Methylene Chloride	5.283	84	3560	1.696	ug/l #	78
25) 2-Butanone	7.488	43	6591	4.890	ug/l	97
29) Tetrahydrofuran	7.871	42	659	0.827	ug/l #	46
31) Cyclohexane	8.218	56	5252	1.421	ug/l #	33
36) 1,1-Dichloropropene	8.224	75	16360	5.785	ug/l #	50
37) Ethyl Acetate	7.577	43	3106	1.210	ug/l #	80
38) Carbon Tetrachloride	8.224	117	19936	6.214	ug/l #	17
42) 1,2-Dichloroethane	8.682	62	1239	0.390	ug/l #	77
43) Isopropyl Acetate	8.688	43	174496	37.511	ug/l #	86
45) 1,2-Dichloropropane	9.735	63	1470	0.715	ug/l #	42
48) Methyl methacrylate	9.665	41	3182	1.442	ug/l #	46
51) 4-Methyl-2-Pentanone	10.447	43	11647	4.600	ug/l #	78
53) t-1,3-Dichloropropene	10.729	75	719	0.227	ug/l #	42
54) cis-1,3-Dichloropropene	10.359	75	42329	12.748	ug/l #	63
56) Ethyl methacrylate	10.988	69	800	0.268	ug/l #	1
57) 1,3-Dichloropropane	11.200	76	5480	1.640	ug/l #	42
59) 2-Hexanone	11.200	43	71495	38.169	ug/l #	53
68) m/p-Xylenes	12.070	106	755	0.204	ug/l	97
71) Bromoform	12.847	173	683	0.522	ug/l #	29
74) N-amyl acetate	12.488	43	2095	0.596	ug/l #	43
76) 1,2,3-Trichloropropane	12.847	75	69969	32.550	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.847	75	69969	85.252	ug/l #	9

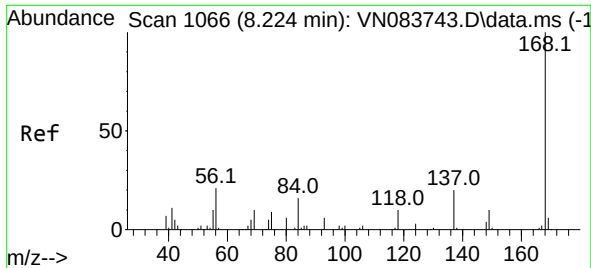
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN091824\
Data File : VN083991.D
Acq On : 18 Sep 2024 18:39
Operator : JC\MD
Sample : PB163447ZHE#08
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 19 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :

Quant Time: Sep 19 01:39:04 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

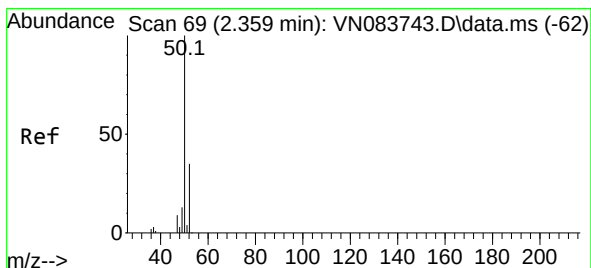
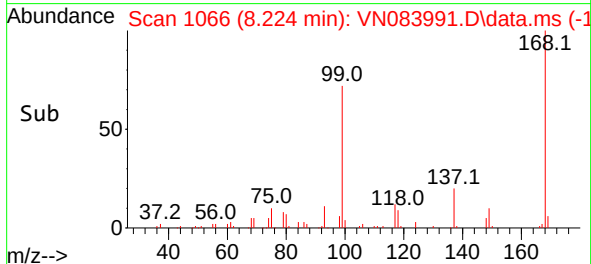
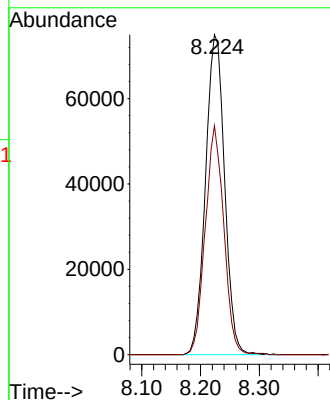
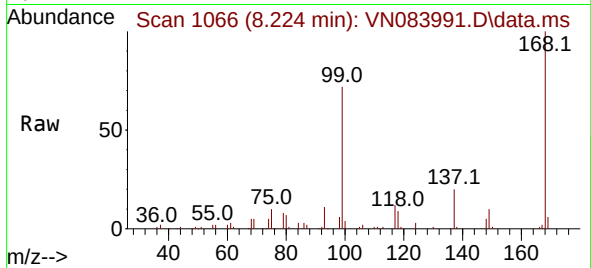




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.224 min Scan# 10
Delta R.T. -0.000 min
Lab File: VN083991.D
Acq: 18 Sep 2024 18:39

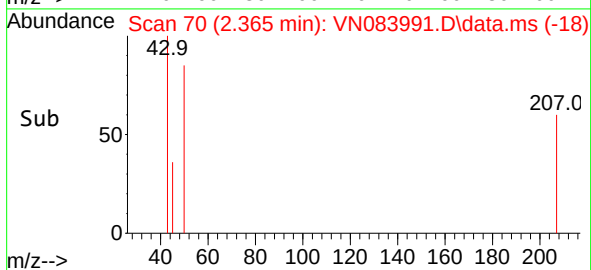
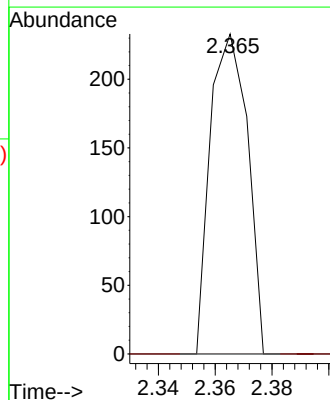
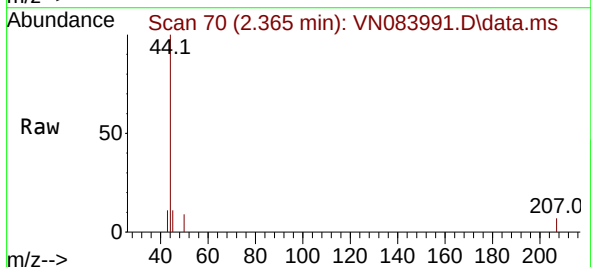
Instrument :
MSVOA_N
ClientSampleId :

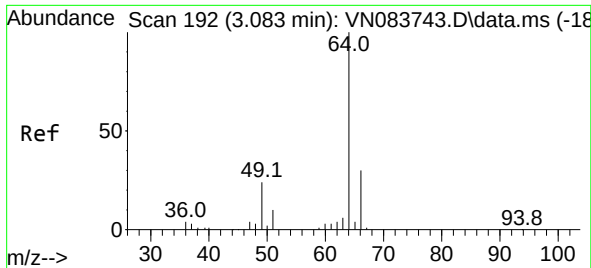
Tgt Ion:168 Resp: 169652
Ion Ratio Lower Upper
168 100
99 71.5 54.2 81.2



#3
Chloromethane
Concen: Below Cal
RT: 2.365 min Scan# 70
Delta R.T. 0.006 min
Lab File: VN083991.D
Acq: 18 Sep 2024 18:39

Tgt Ion: 50 Resp: 213
Ion Ratio Lower Upper
50 100
52 0.0 27.2 40.8#

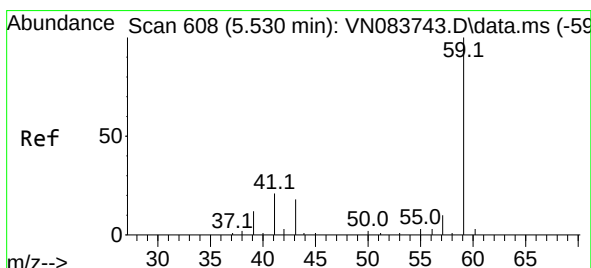
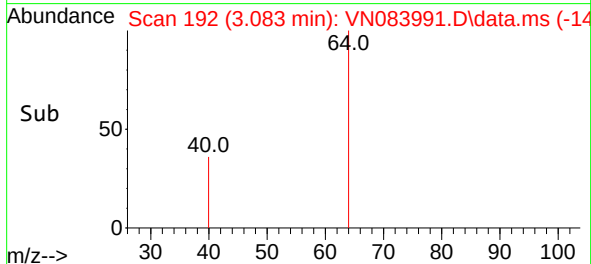
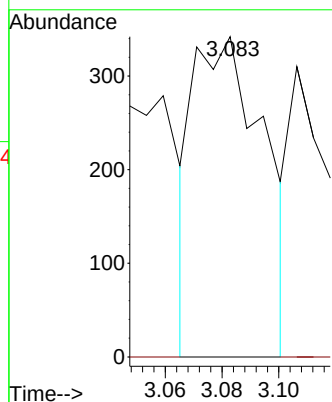
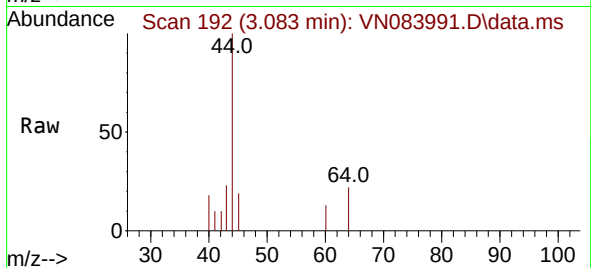




#6
Chloroethane
Concen: 0.389 ug/l
RT: 3.083 min Scan# 192
Delta R.T. -0.000 min
Lab File: VN083991.D
Acq: 18 Sep 2024 18:39

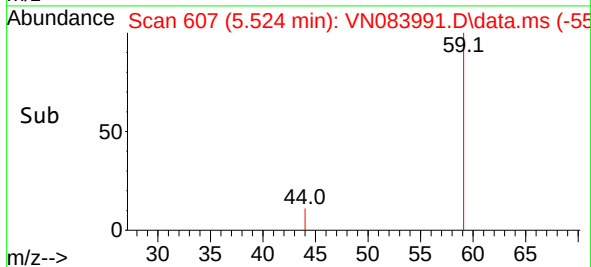
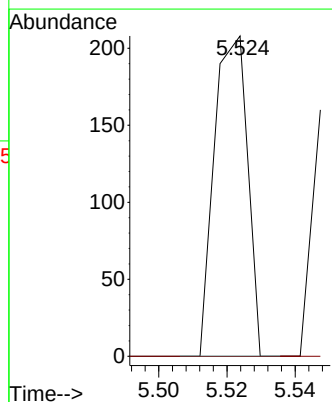
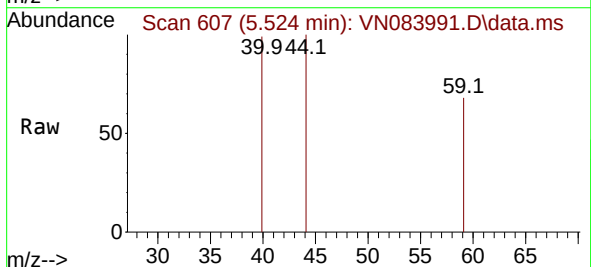
Instrument :
MSVOA_N
ClientSampleId :

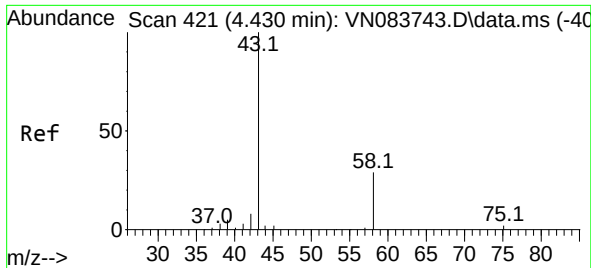
Tgt Ion: 64 Resp: 589
Ion Ratio Lower Upper
64 100
66 0.0 23.9 35.9#



#11
Tert butyl alcohol
Concen: 0.409 ug/l
RT: 5.524 min Scan# 607
Delta R.T. -0.006 min
Lab File: VN083991.D
Acq: 18 Sep 2024 18:39

Tgt Ion: 59 Resp: 140
Ion Ratio Lower Upper
59 100
57 0.0 8.7 13.1#

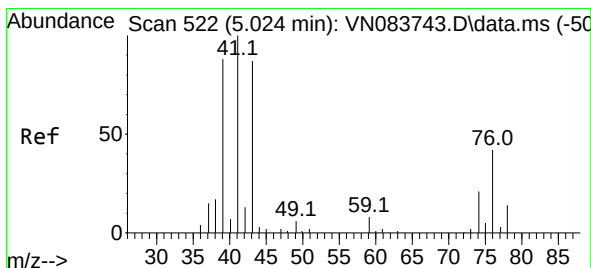
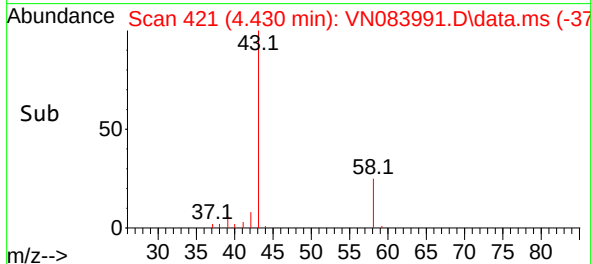
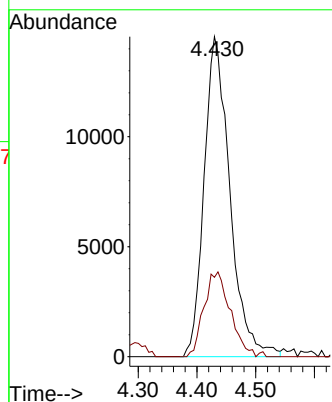
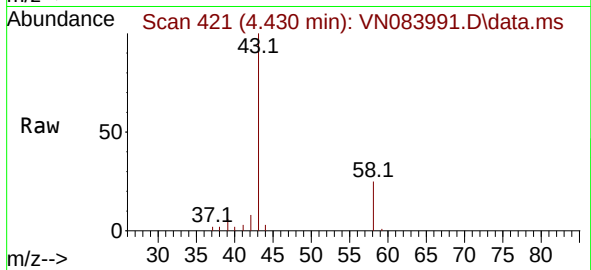




#16
Acetone
Concen: 43.199 ug/l
RT: 4.430 min Scan# 41
Delta R.T. -0.000 min
Lab File: VN083991.D
Acq: 18 Sep 2024 18:39

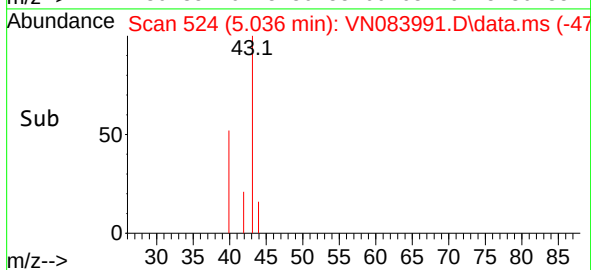
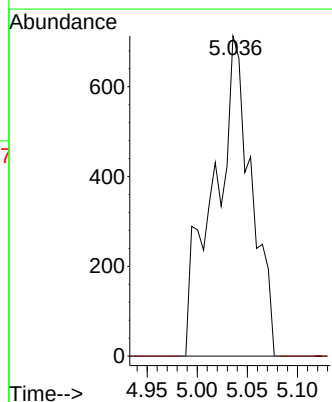
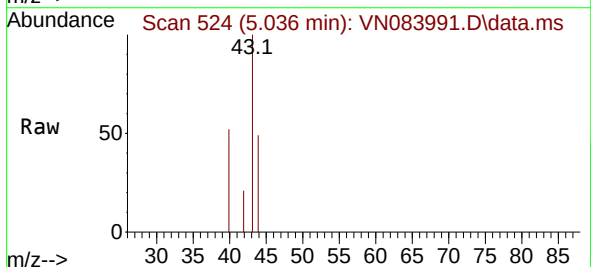
Instrument :
MSVOA_N
ClientSampleId :

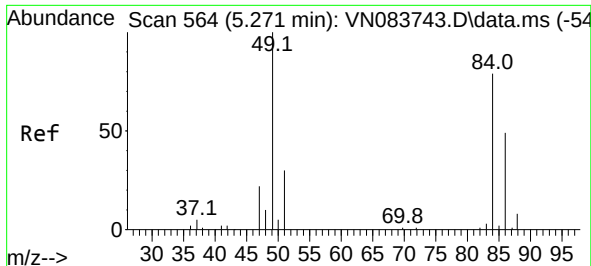
Tgt Ion: 43 Resp: 44300
Ion Ratio Lower Upper
43 100
58 24.8 23.7 35.5



#18
Methyl Acetate
Concen: Below Cal
RT: 5.036 min Scan# 524
Delta R.T. 0.012 min
Lab File: VN083991.D
Acq: 18 Sep 2024 18:39

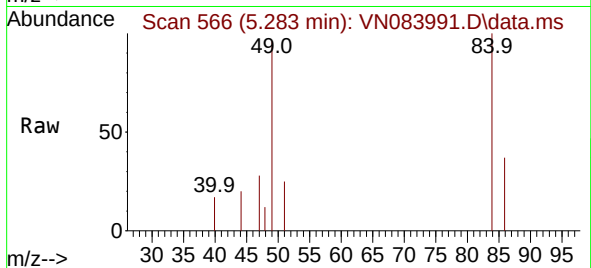
Tgt Ion: 43 Resp: 1853
Ion Ratio Lower Upper
43 100
74 0.0 19.0 28.4#



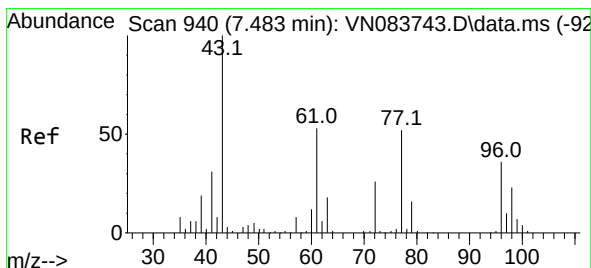
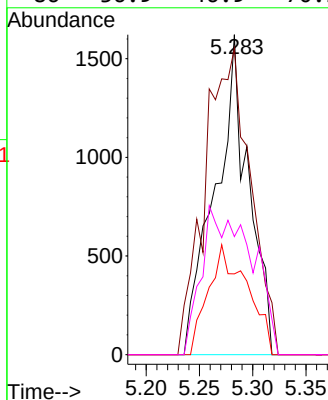
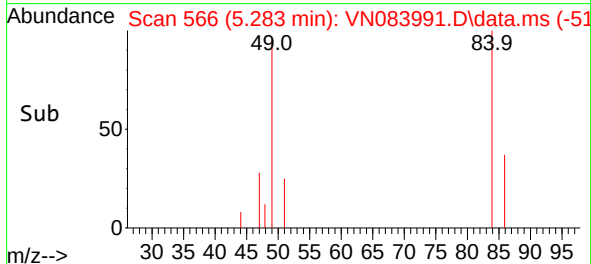


#20
Methylene Chloride
Concen: 1.696 ug/l
RT: 5.283 min Scan# 51
Delta R.T. 0.012 min
Lab File: VN083991.D
Acq: 18 Sep 2024 18:39

Instrument :
MSVOA_N
ClientSampleId :

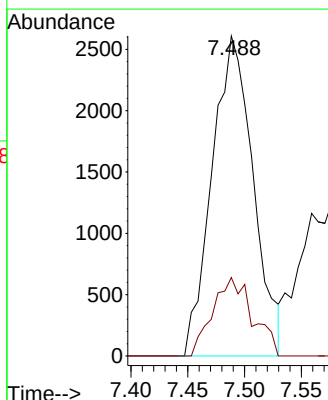
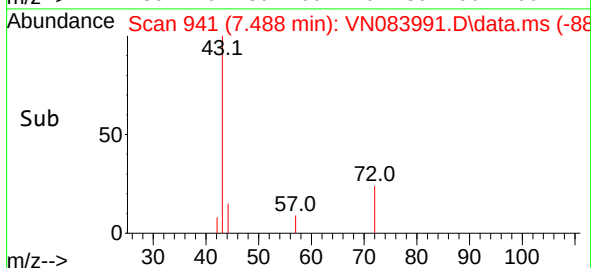
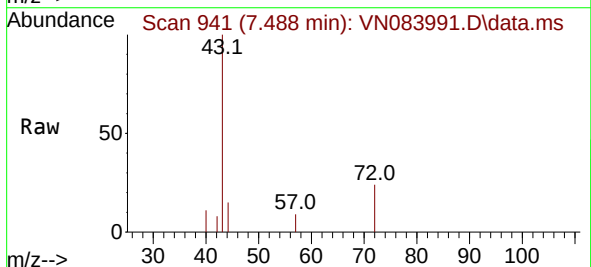


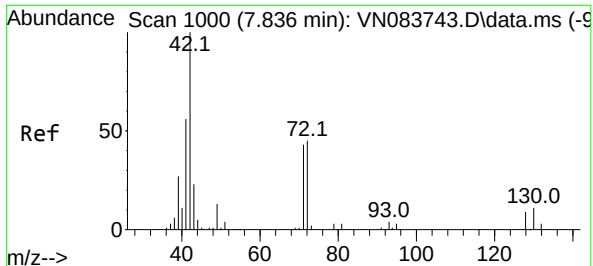
Tgt Ion: 84	Resp: 3560
Ion Ratio	Lower Upper
84	100
49	95.7 93.4 140.0
51	25.2 29.2 43.8#
86	36.9 46.9 70.3#



#25
2-Butanone
Concen: 4.890 ug/l
RT: 7.488 min Scan# 941
Delta R.T. 0.006 min
Lab File: VN083991.D
Acq: 18 Sep 2024 18:39

Tgt Ion: 43	Resp: 6591
Ion Ratio	Lower Upper
43	100
72	24.5 20.8 31.2





#29

Tetrahydrofuran

Concen: 0.827 ug/l

RT: 7.871 min Scan# 1065

Delta R.T. 0.035 min

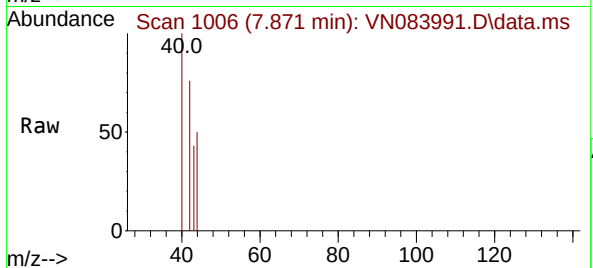
Lab File: VN083991.D

Acq: 18 Sep 2024 18:39

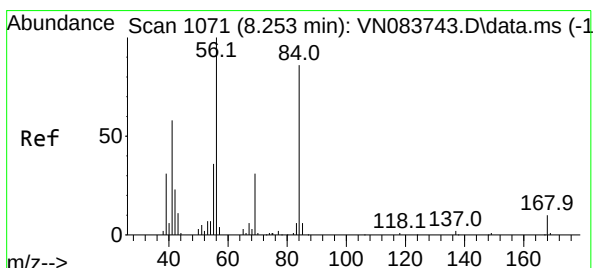
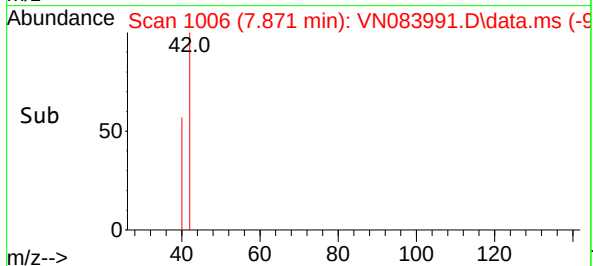
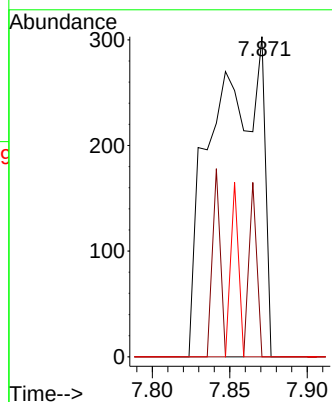
Instrument :

MSVOA_N

ClientSampleId :



Tgt Ion:	42	Resp:	659
Ion Ratio	Lower	Upper	
42	100		
72	8.8	35.9	53.9#
71	8.8	33.9	50.9#



#31

Cyclohexane

Concen: 1.421 ug/l

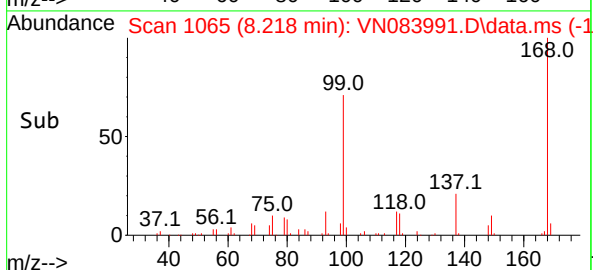
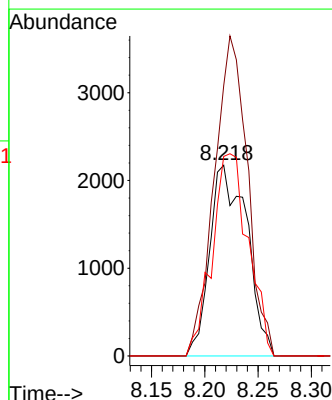
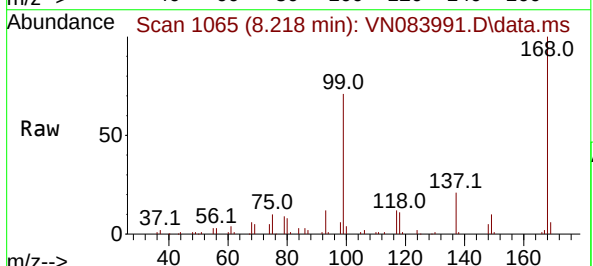
RT: 8.218 min Scan# 1065

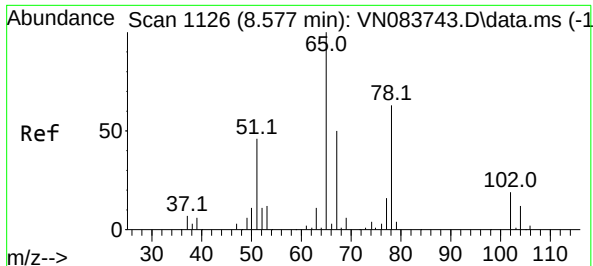
Delta R.T. -0.035 min

Lab File: VN083991.D

Acq: 18 Sep 2024 18:39

Tgt Ion:	56	Resp:	5252
Ion Ratio	Lower	Upper	
56	100		
69	141.8	26.9	40.3#
84	104.7	69.2	103.8#





#33

1,2-Dichloroethane-d4

Concen: 51.285 ug/l

RT: 8.577 min Scan# 1126

Delta R.T. -0.000 min

Lab File: VN083991.D

Acq: 18 Sep 2024 18:39

Instrument :

MSVOA_N

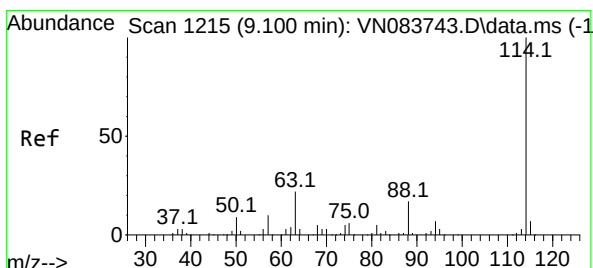
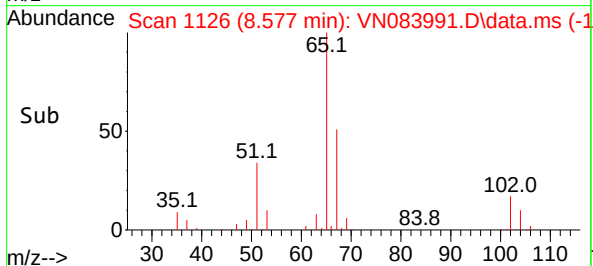
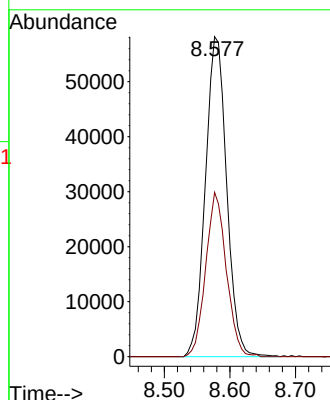
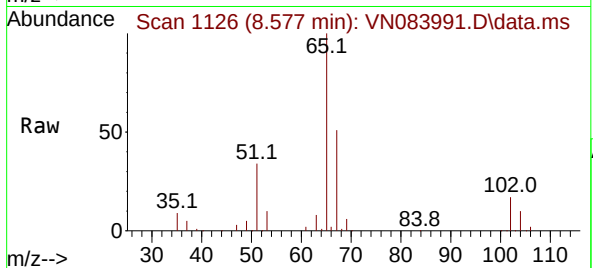
ClientSampleId :

Tgt Ion: 65 Resp: 131193

Ion Ratio Lower Upper

65 100

67 49.7 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: VN083991.D

Acq: 18 Sep 2024 18:39

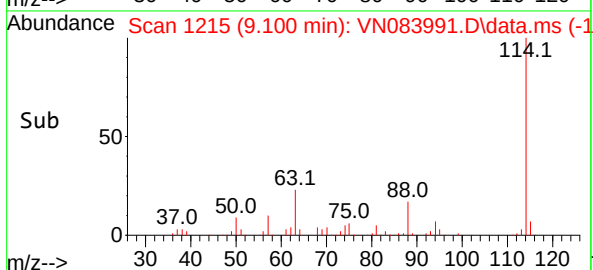
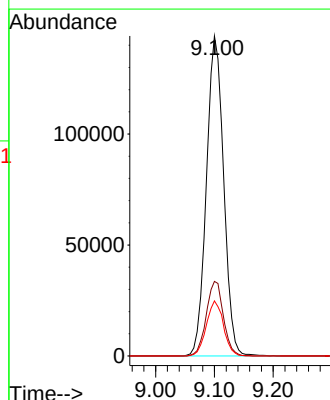
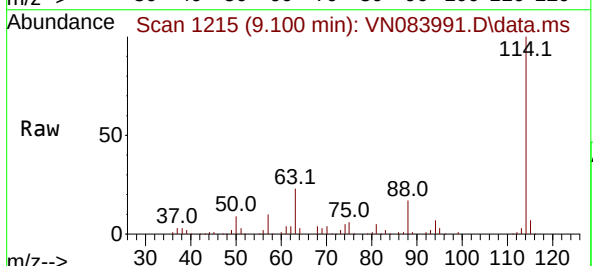
Tgt Ion: 114 Resp: 293496

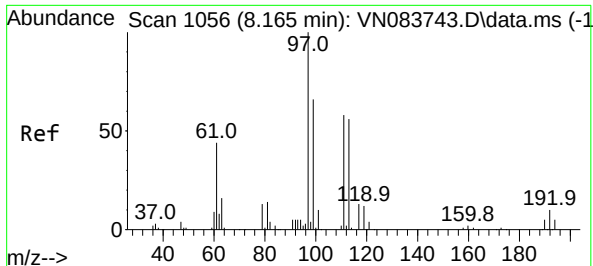
Ion Ratio Lower Upper

114 100

63 23.3 0.0 43.4

88 17.2 0.0 32.6

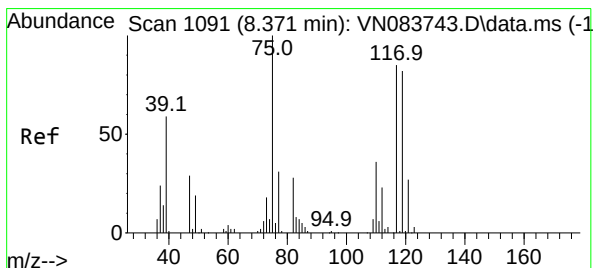
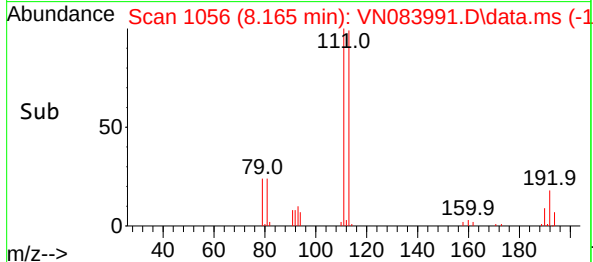
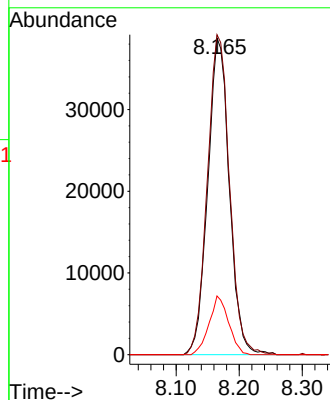
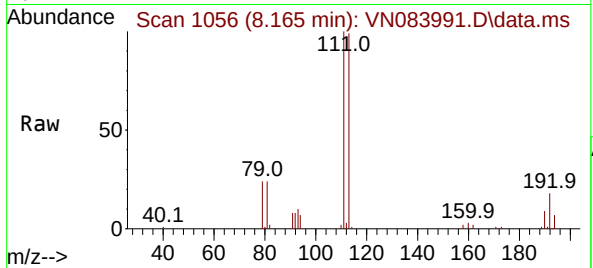




#35
Dibromofluoromethane
Concen: 48.797 ug/l
RT: 8.165 min Scan# 1056
Delta R.T. -0.000 min
Lab File: VN083991.D
Acq: 18 Sep 2024 18:39

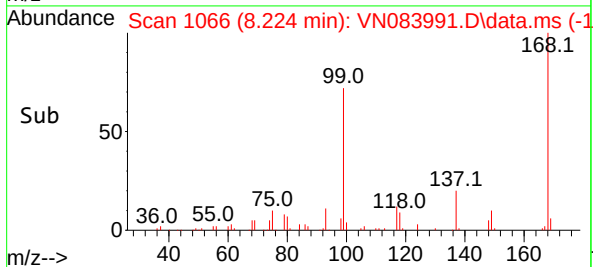
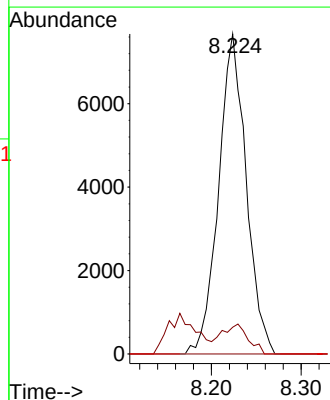
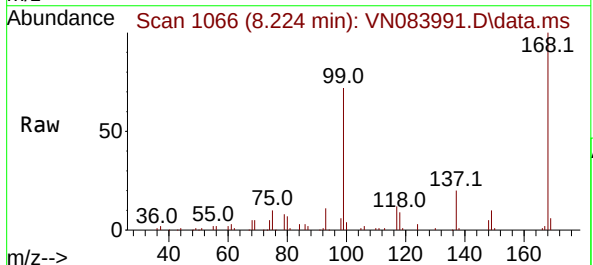
Instrument :
MSVOA_N
ClientSampleId :

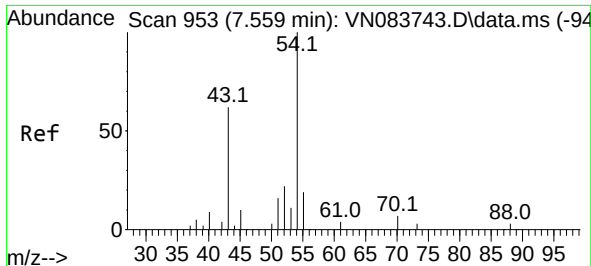
Tgt Ion:113 Resp: 91685
Ion Ratio Lower Upper
113 100
111 104.0 82.6 124.0
192 16.8 14.3 21.5



#36
1,1-Dichloropropene
Concen: 5.785 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. -0.147 min
Lab File: VN083991.D
Acq: 18 Sep 2024 18:39

Tgt Ion: 75 Resp: 16360
Ion Ratio Lower Upper
75 100
110 9.0 16.7 50.1#
77 0.0 25.2 37.8#

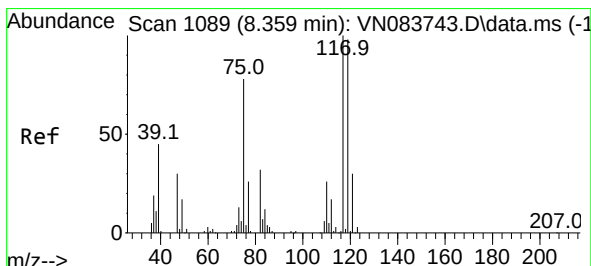
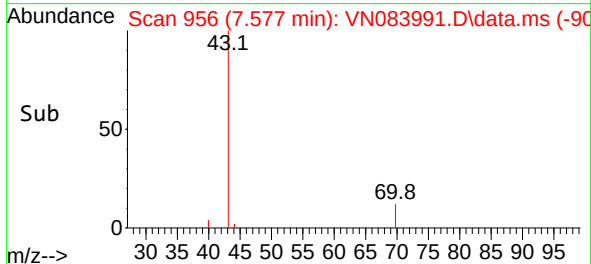
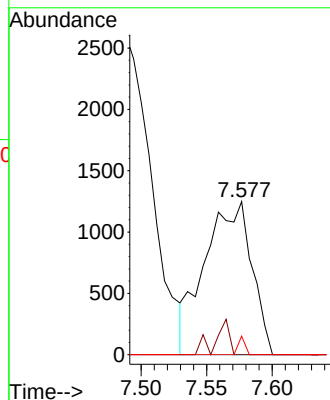
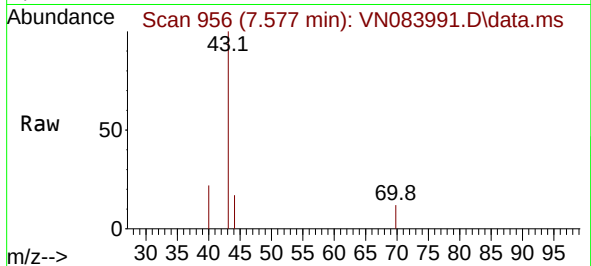




#37
Ethyl Acetate
Concen: 1.210 ug/l
RT: 7.577 min Scan# 91
Delta R.T. 0.018 min
Lab File: VN083991.D
Acq: 18 Sep 2024 18:39

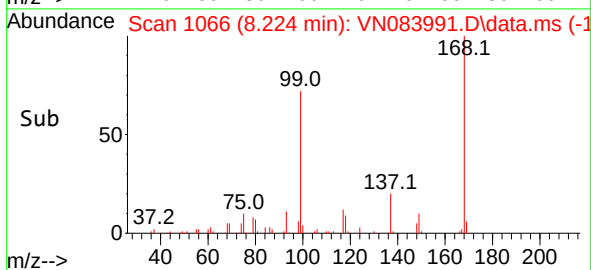
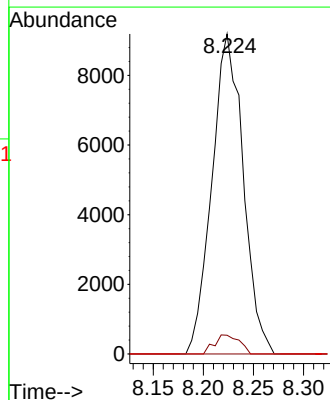
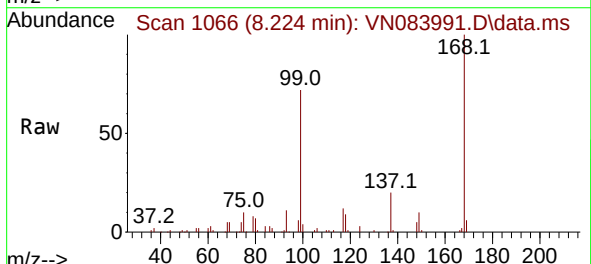
Instrument :
MSVOA_N
ClientSampleId :

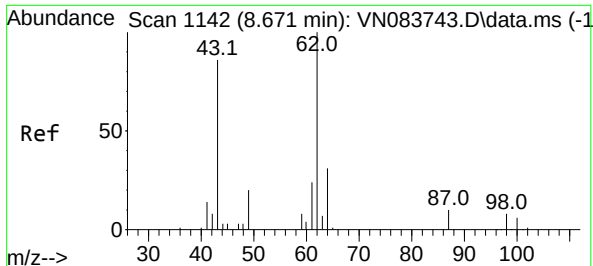
Tgt Ion: 43 Resp: 3106
Ion Ratio Lower Upper
43 100
61 7.0 11.1 16.7#
70 1.7 8.8 13.2#



#38
Carbon Tetrachloride
Concen: 6.214 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. -0.135 min
Lab File: VN083991.D
Acq: 18 Sep 2024 18:39

Tgt Ion: 117 Resp: 19936
Ion Ratio Lower Upper
117 100
119 5.9 76.1 114.1#
121 0.0 24.1 36.1#





#42

1,2-Dichloroethane

Concen: 0.390 ug/l

RT: 8.682 min Scan# 1144

Delta R.T. 0.012 min

Lab File: VN083991.D

Acq: 18 Sep 2024 18:39

Instrument :

MSVOA_N

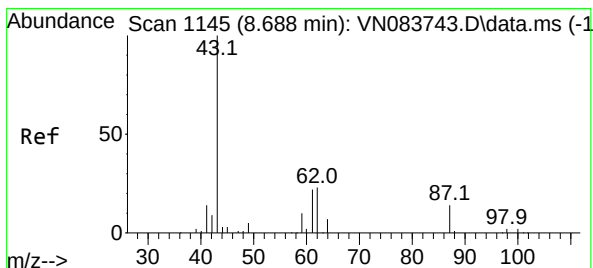
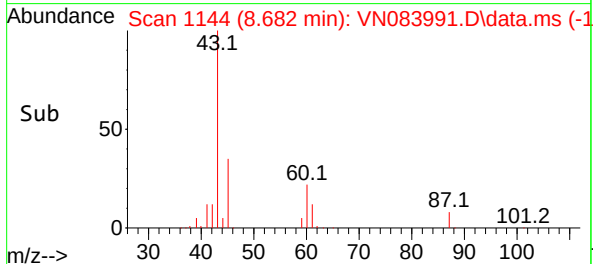
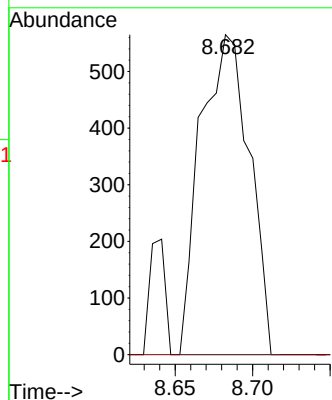
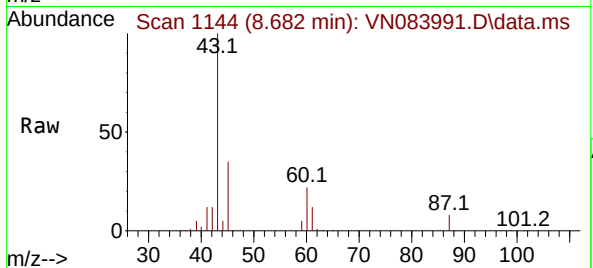
ClientSampleId :

Tgt Ion: 62 Resp: 1239

Ion Ratio Lower Upper

62 100

98 0.0 0.0 16.6



#43

Isopropyl Acetate

Concen: 37.511 ug/l

RT: 8.688 min Scan# 1145

Delta R.T. -0.000 min

Lab File: VN083991.D

Acq: 18 Sep 2024 18:39

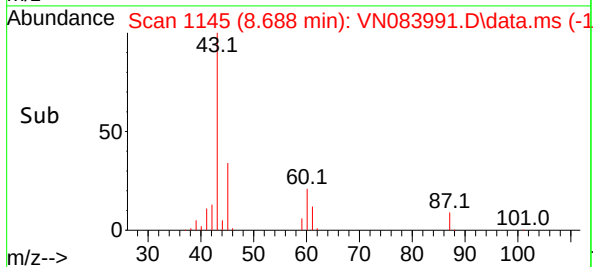
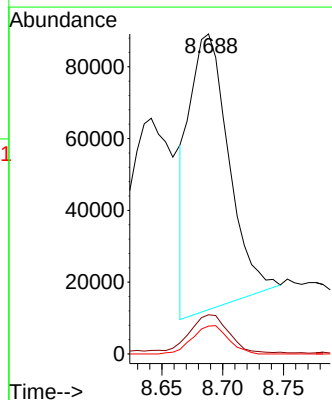
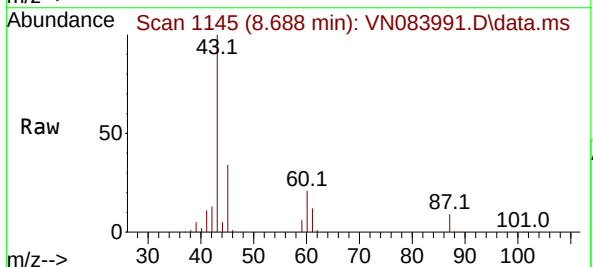
Tgt Ion: 43 Resp: 174496

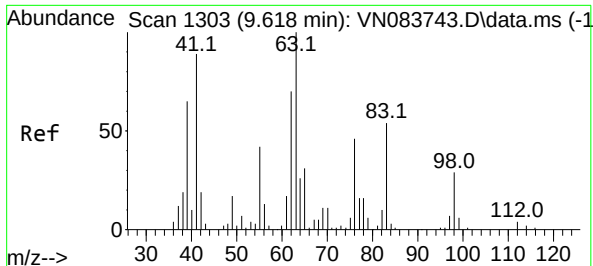
Ion Ratio Lower Upper

43 100

61 15.9 19.4 29.0#

87 9.2 9.8 14.6#





#45

1,2-Dichloropropane

Concen: 0.715 ug/l

RT: 9.735 min Scan# 11

Delta R.T. 0.118 min

Lab File: VN083991.D

Acq: 18 Sep 2024 18:39

Instrument :

MSVOA_N

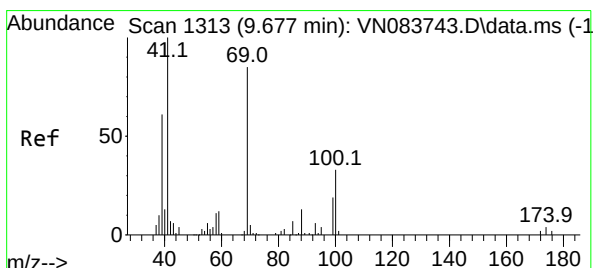
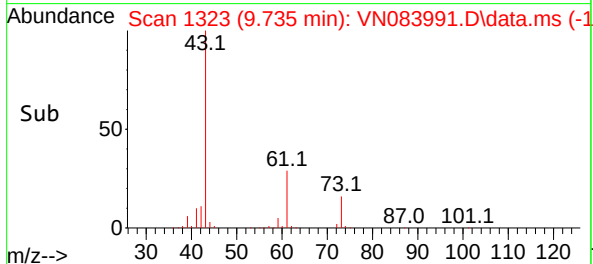
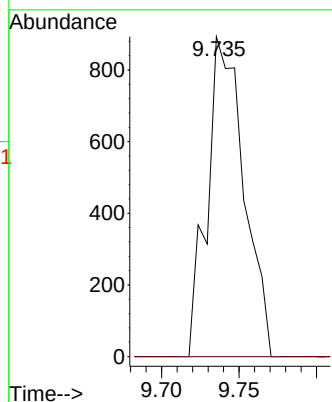
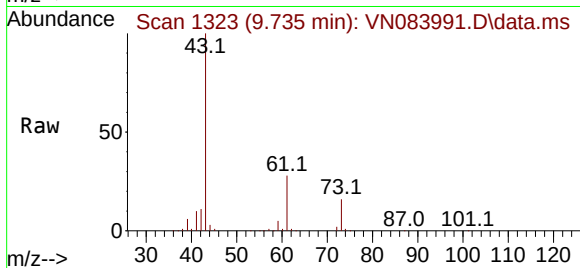
ClientSampleId :

Tgt Ion: 63 Resp: 1470

Ion Ratio Lower Upper

63 100

65 0.0 25.9 38.9#



#48

Methyl methacrylate

Concen: 1.442 ug/l

RT: 9.665 min Scan# 1311

Delta R.T. -0.012 min

Lab File: VN083991.D

Acq: 18 Sep 2024 18:39

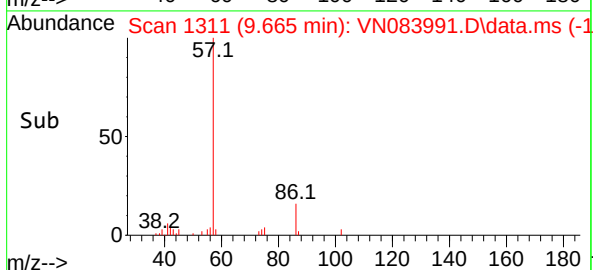
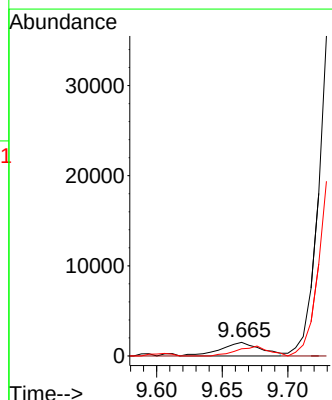
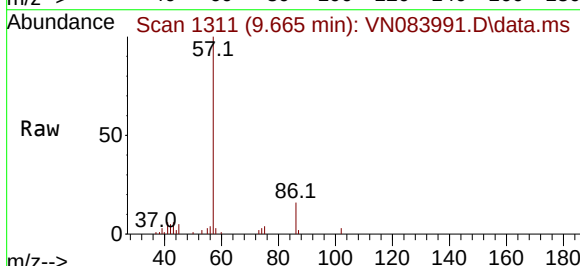
Tgt Ion: 41 Resp: 3182

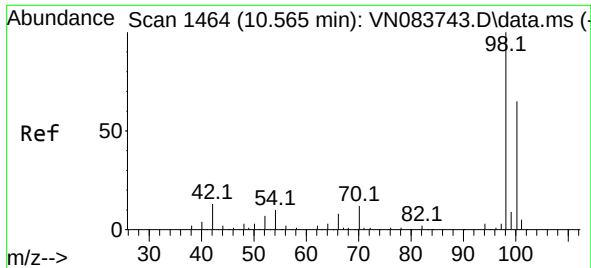
Ion Ratio Lower Upper

41 100

69 0.0 64.3 96.5#

39 56.7 48.9 73.3

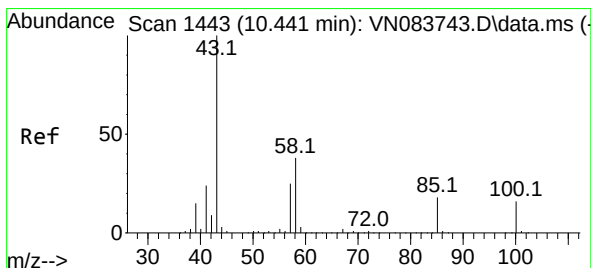
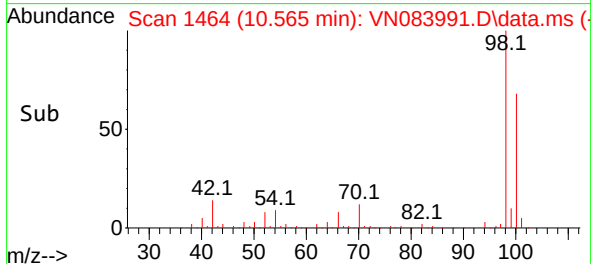
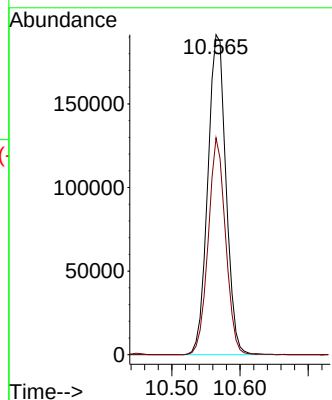
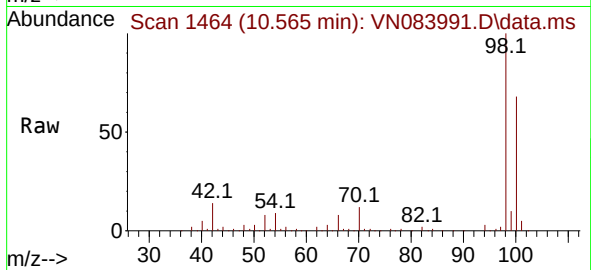




#50
Toluene-d8
Concen: 54.617 ug/l
RT: 10.565 min Scan# 1464
Delta R.T. -0.000 min
Lab File: VN083991.D
Acq: 18 Sep 2024 18:39

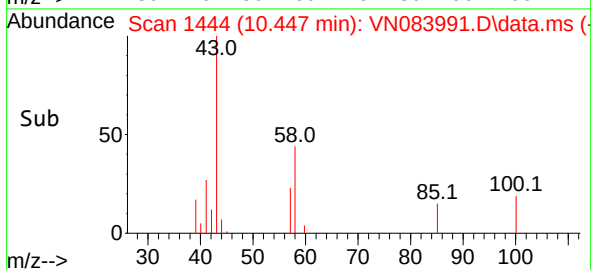
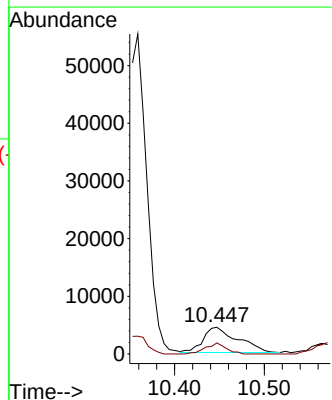
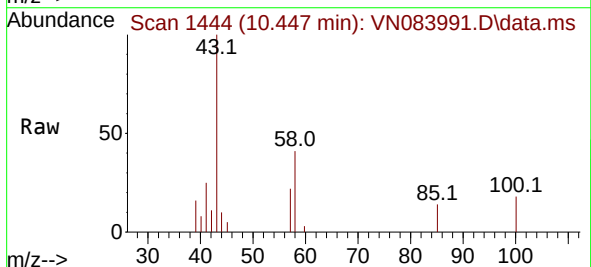
Instrument :
MSVOA_N
ClientSampleId :

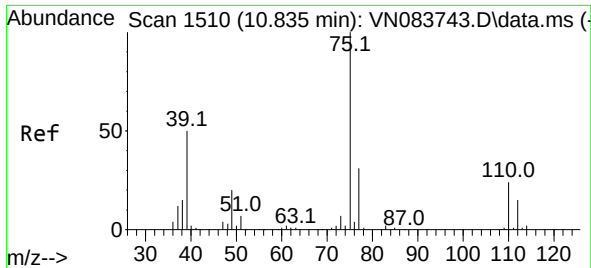
Tgt Ion: 98 Resp: 354770
Ion Ratio Lower Upper
98 100
100 64.6 52.0 78.0



#51
4-Methyl-2-Pentanone
Concen: 4.600 ug/l
RT: 10.447 min Scan# 1444
Delta R.T. 0.006 min
Lab File: VN083991.D
Acq: 18 Sep 2024 18:39

Tgt Ion: 43 Resp: 11647
Ion Ratio Lower Upper
43 100
58 25.9 31.6 47.4#

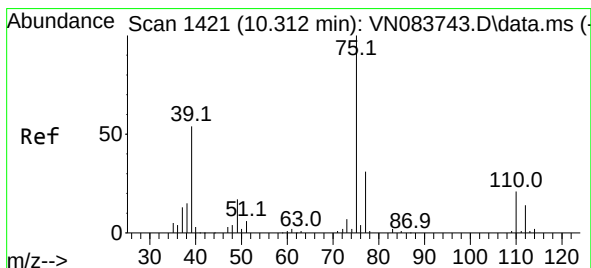
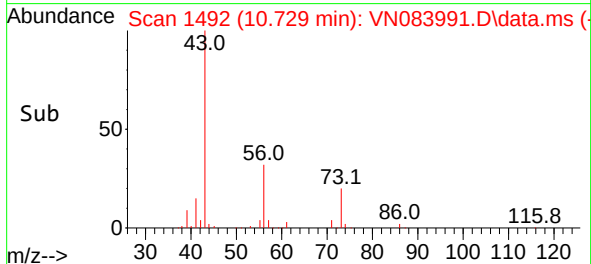
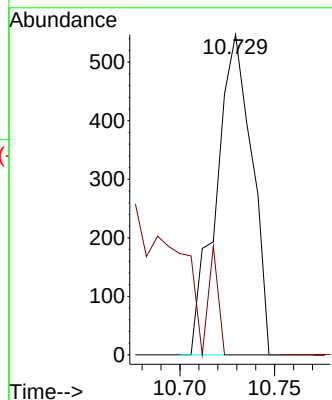
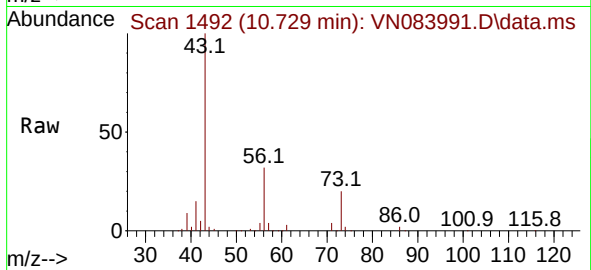




#53
 t-1,3-Dichloropropene
 Concen: 0.227 ug/l
 RT: 10.729 min Scan# 1492
 Delta R.T. -0.106 min
 Lab File: VN083991.D
 Acq: 18 Sep 2024 18:39

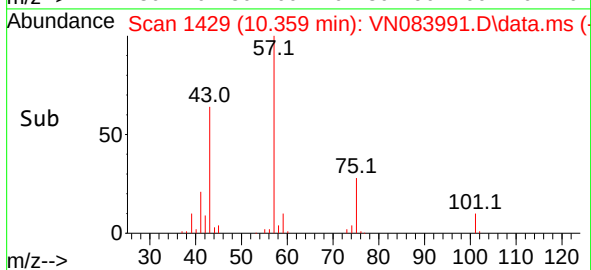
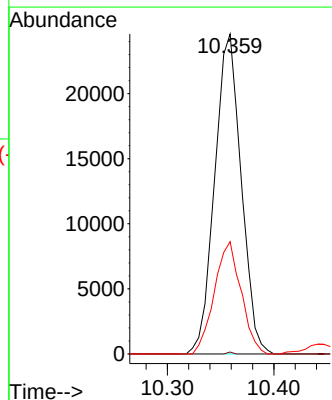
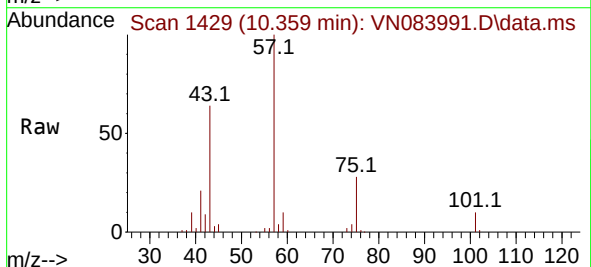
Instrument :
 MSVOA_N
 ClientSampleId :

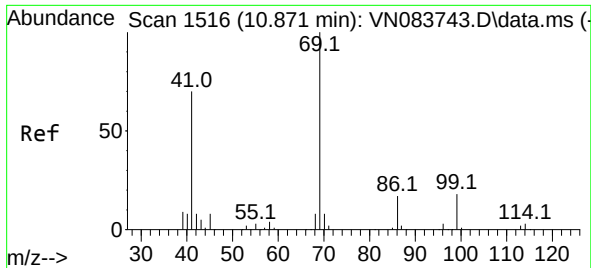
Tgt Ion: 75 Resp: 719
 Ion Ratio Lower Upper
 75 100
 77 0.0 25.8 38.6#



#54
 cis-1,3-Dichloropropene
 Concen: 12.748 ug/l
 RT: 10.359 min Scan# 1429
 Delta R.T. 0.047 min
 Lab File: VN083991.D
 Acq: 18 Sep 2024 18:39

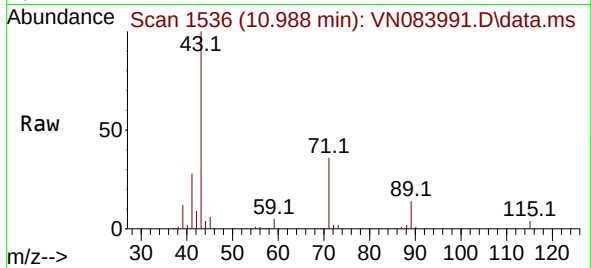
Tgt Ion: 75 Resp: 42329
 Ion Ratio Lower Upper
 75 100
 77 0.6 25.0 37.6#
 39 35.1 42.6 64.0#



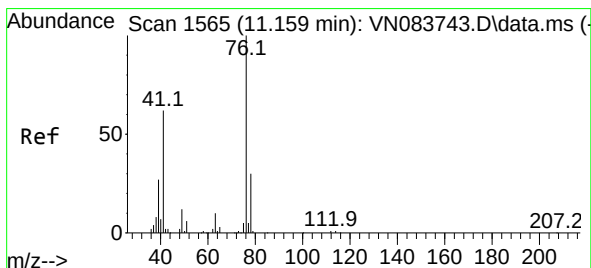
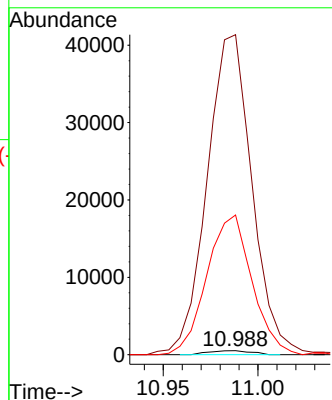
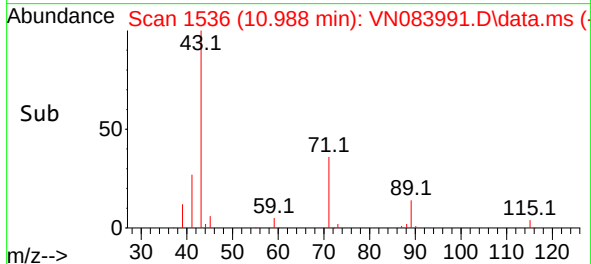


#56
Ethyl methacrylate
Concen: 0.268 ug/l
RT: 10.988 min Scan# 11
Delta R.T. 0.118 min
Lab File: VN083991.D
Acq: 18 Sep 2024 18:39

Instrument :
MSVOA_N
ClientSampleId :

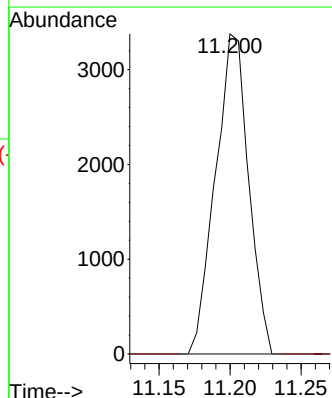
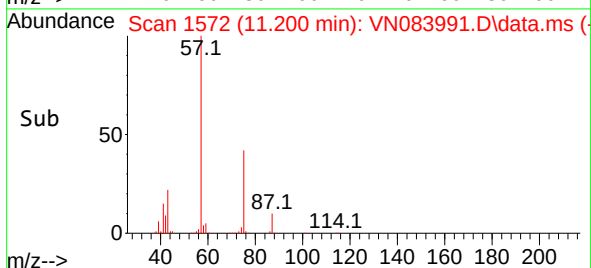
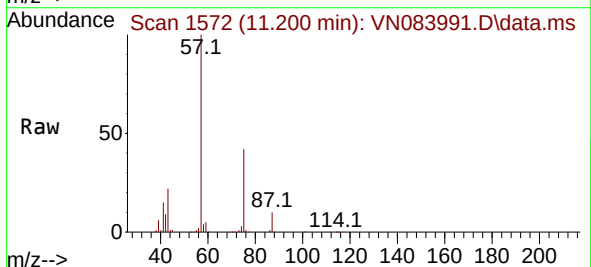


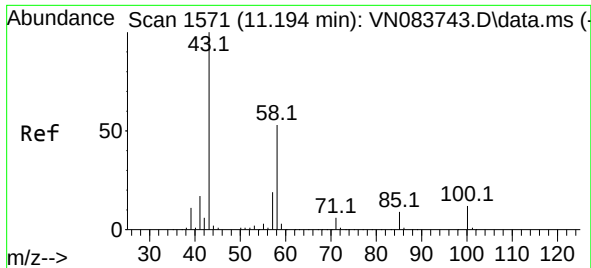
Tgt Ion: 69 Resp: 800
Ion Ratio Lower Upper
69 100
41 8576.3 53.9 80.9#
39 3755.0 32.6 48.8#



#57
1,3-Dichloropropane
Concen: 1.640 ug/l
RT: 11.200 min Scan# 1572
Delta R.T. 0.041 min
Lab File: VN083991.D
Acq: 18 Sep 2024 18:39

Tgt Ion: 76 Resp: 5480
Ion Ratio Lower Upper
76 100
78 0.0 25.8 38.6#

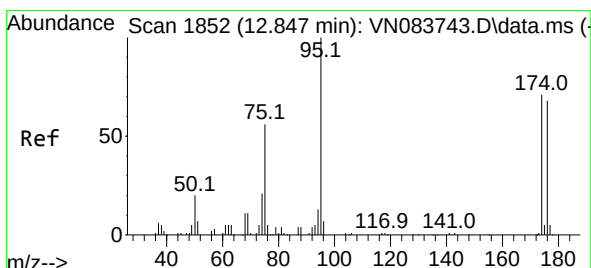
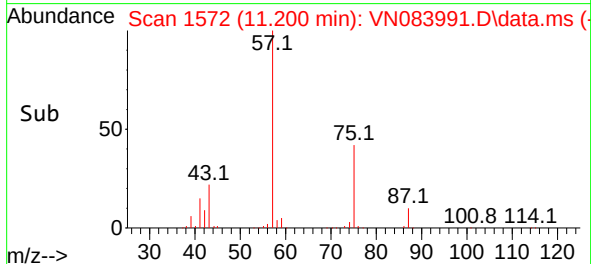
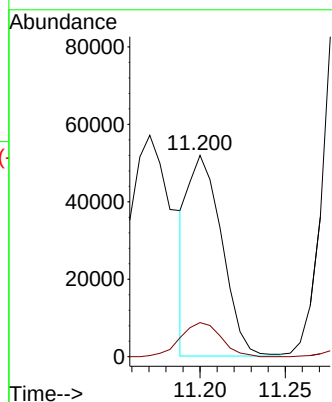
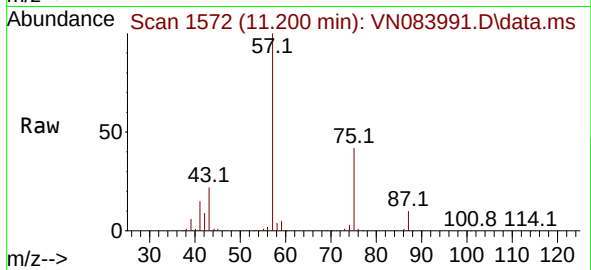




#59
2-Hexanone
Concen: 38.169 ug/l
RT: 11.200 min Scan# 1571
Delta R.T. 0.006 min
Lab File: VN083991.D
Acq: 18 Sep 2024 18:39

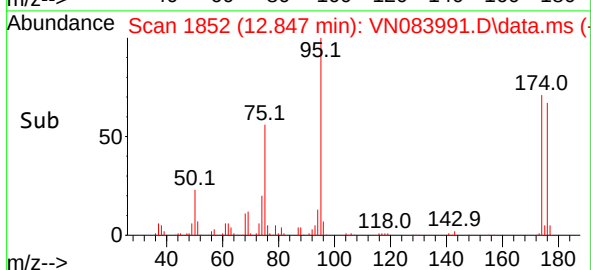
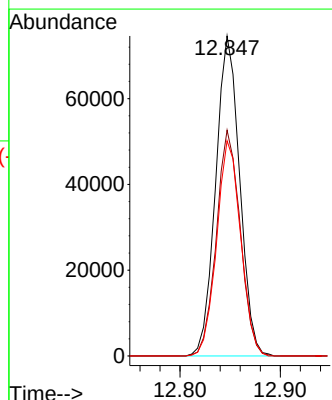
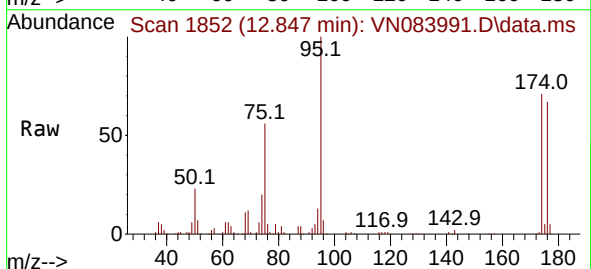
Instrument :
MSVOA_N
ClientSampleId :

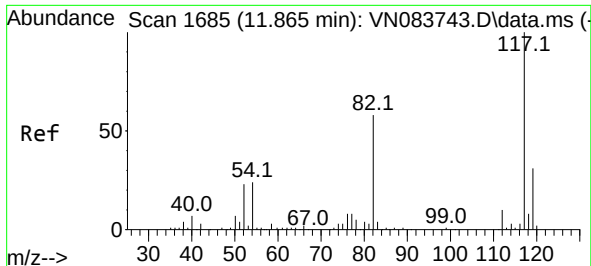
Tgt Ion: 43 Resp: 71495
Ion Ratio Lower Upper
43 100
58 20.4 27.2 81.5#



#62
4-Bromofluorobenzene
Concen: 46.147 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.000 min
Lab File: VN083991.D
Acq: 18 Sep 2024 18:39

Tgt Ion: 95 Resp: 123669
Ion Ratio Lower Upper
95 100
174 70.1 0.0 139.8
176 67.4 0.0 131.4

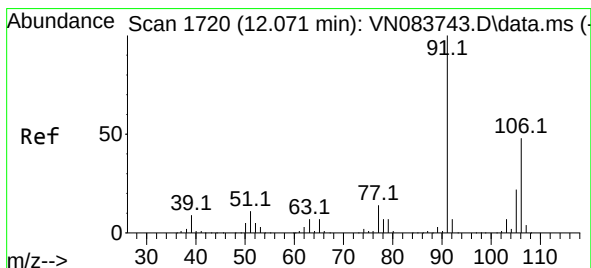
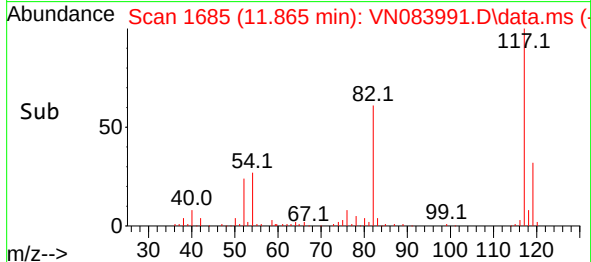
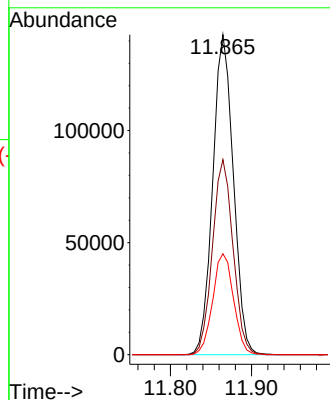
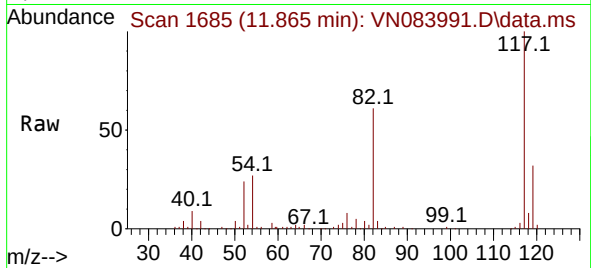




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 117
Delta R.T. -0.000 min
Lab File: VN083991.D
Acq: 18 Sep 2024 18:39

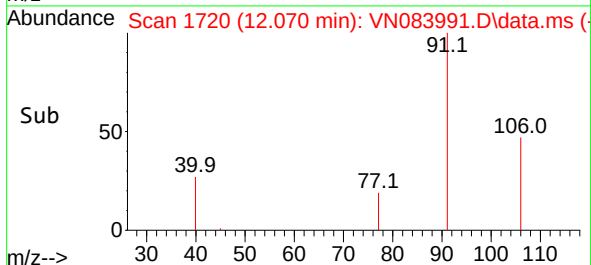
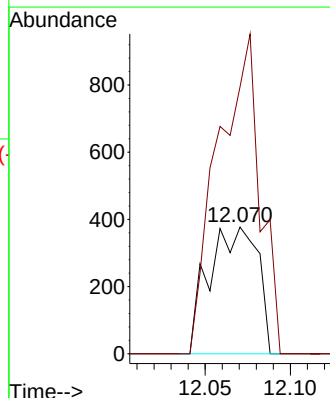
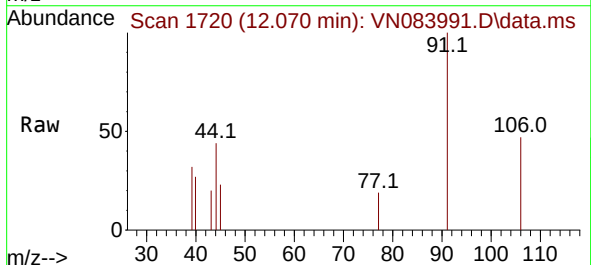
Instrument :
MSVOA_N
ClientSampleId :

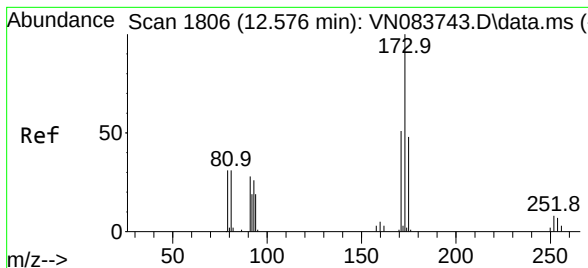
Tgt Ion:117 Resp: 252091
Ion Ratio Lower Upper
117 100
82 61.0 47.4 71.0
119 31.6 26.3 39.5



#68
m/p-Xylenes
Concen: 0.204 ug/l
RT: 12.070 min Scan# 1720
Delta R.T. -0.000 min
Lab File: VN083991.D
Acq: 18 Sep 2024 18:39

Tgt Ion:106 Resp: 755
Ion Ratio Lower Upper
106 100
91 216.4 169.2 253.8





#71

Bromoform

Concen: 0.522 ug/l

RT: 12.847 min Scan# 11

Delta R.T. 0.270 min

Lab File: VN083991.D

Acq: 18 Sep 2024 18:39

Instrument :

MSVOA_N

ClientSampleId :

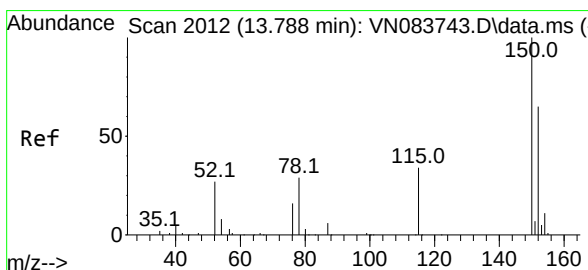
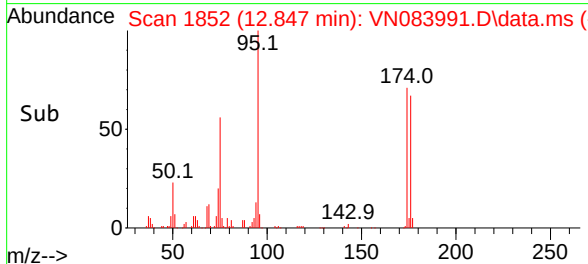
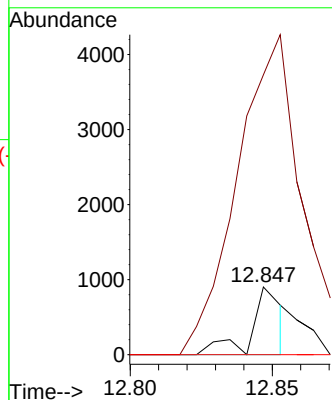
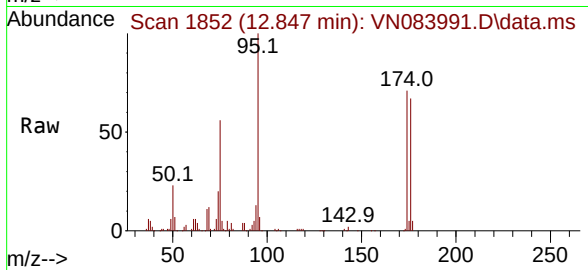
Tgt Ion:173 Resp: 683

Ion Ratio Lower Upper

173 100

175 0.0 24.1 72.2#

254 0.0 0.0 0.0



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.794 min Scan# 2013

Delta R.T. 0.006 min

Lab File: VN083991.D

Acq: 18 Sep 2024 18:39

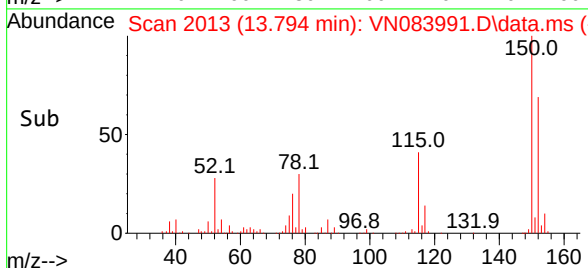
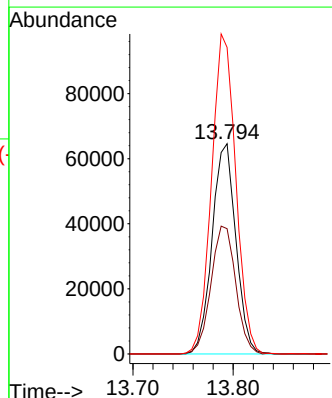
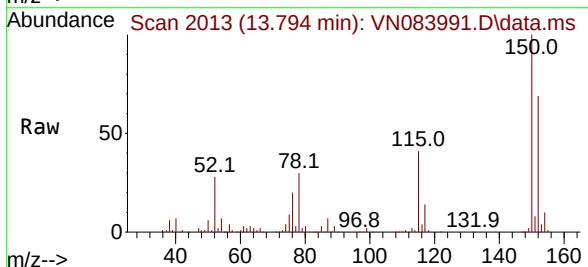
Tgt Ion:152 Resp: 106530

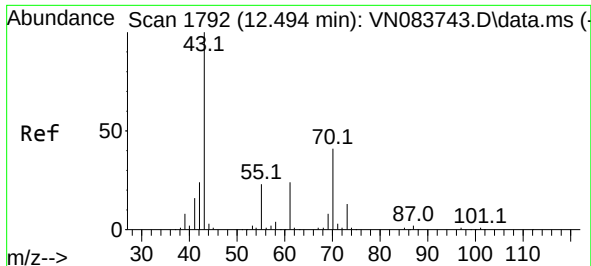
Ion Ratio Lower Upper

152 100

115 63.4 32.2 96.6

150 155.0 0.0 348.6

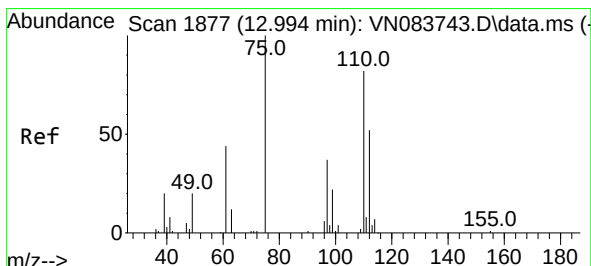
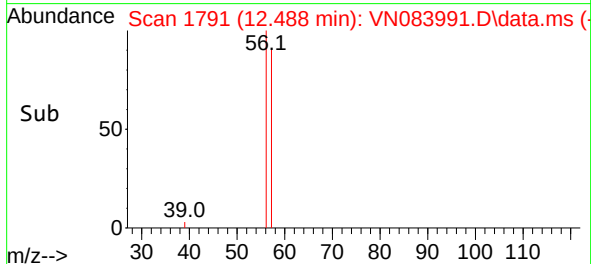
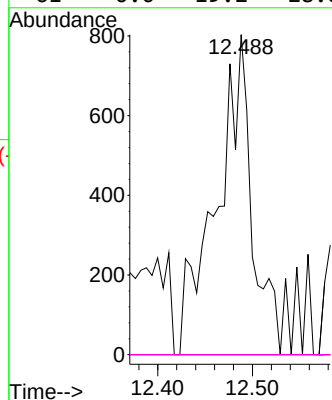
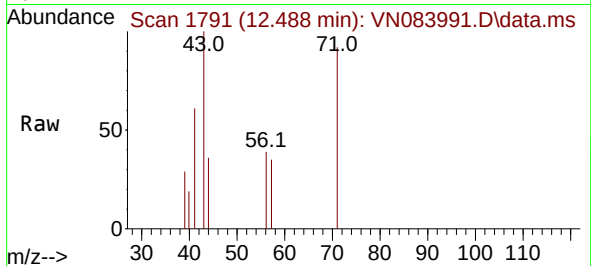




#74
N-amy1 acetate
Concen: 0.596 ug/l
RT: 12.488 min Scan# 1
Delta R.T. -0.006 min
Lab File: VN083991.D
Acq: 18 Sep 2024 18:39

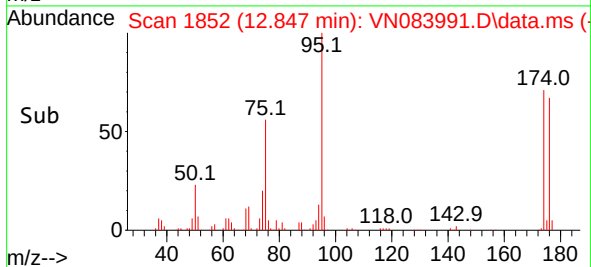
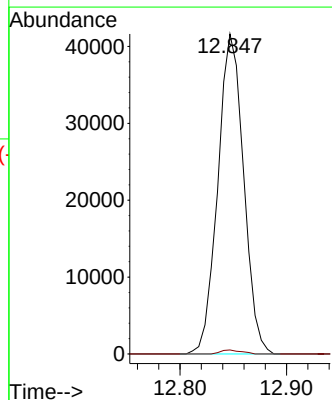
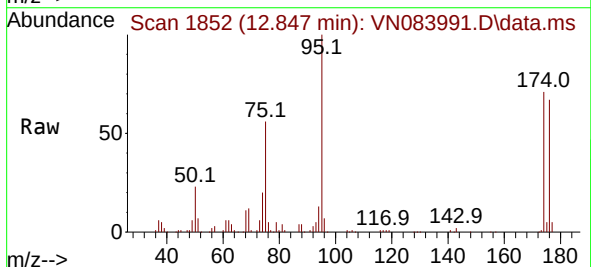
Instrument :
MSVOA_N
ClientSampleId :

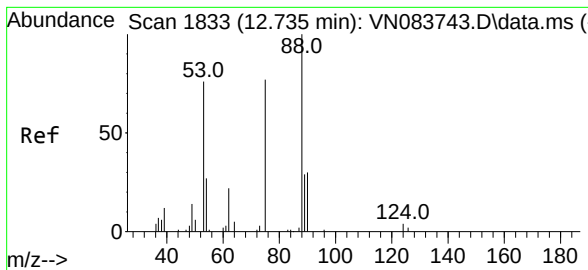
Tgt Ion: 43	Resp: 2095
Ion Ratio	Lower Upper
43 100	
70 0.0	34.5 51.7#
55 0.0	18.6 28.0#
61 0.0	19.2 28.8#



#76
1,2,3-Trichloropropane
Concen: 32.550 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.147 min
Lab File: VN083991.D
Acq: 18 Sep 2024 18:39

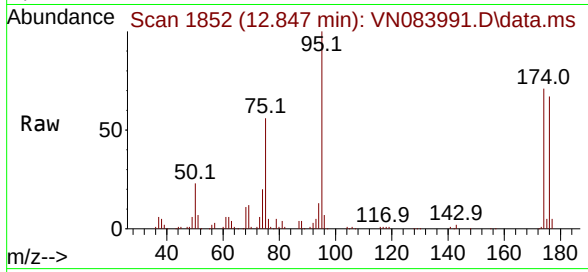
Tgt Ion: 75	Resp: 69969
Ion Ratio	Lower Upper
75 100	
77 1.0	95.2 285.6#





#81
trans-1,4-Dichloro-2-butene
Concen: 85.252 ug/l
RT: 12.847 min Scan# 11
Delta R.T. 0.112 min
Lab File: VN083991.D
Acq: 18 Sep 2024 18:39

Instrument :
MSVOA_N
ClientSampleId :



Tgt Ion: 75 Resp: 69969
Ion Ratio Lower Upper
75 100
53 0.0 81.2 121.8#
89 0.1 35.7 53.5#

