

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN080824\
 Data File : VN083163.D
 Acq On : 08 Aug 2024 18:12
 Operator : JC\MD
 Sample : P3393-23ME
 Misc : 8.50g/10mL/100uL/5.00mL/MSVOA_N/MEOH
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Aug 09 01:08:12 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N080724W.M
 Quant Title : SW846 8260
 QLast Update : Thu Aug 08 06:30:41 2024
 Response via : Initial Calibration

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

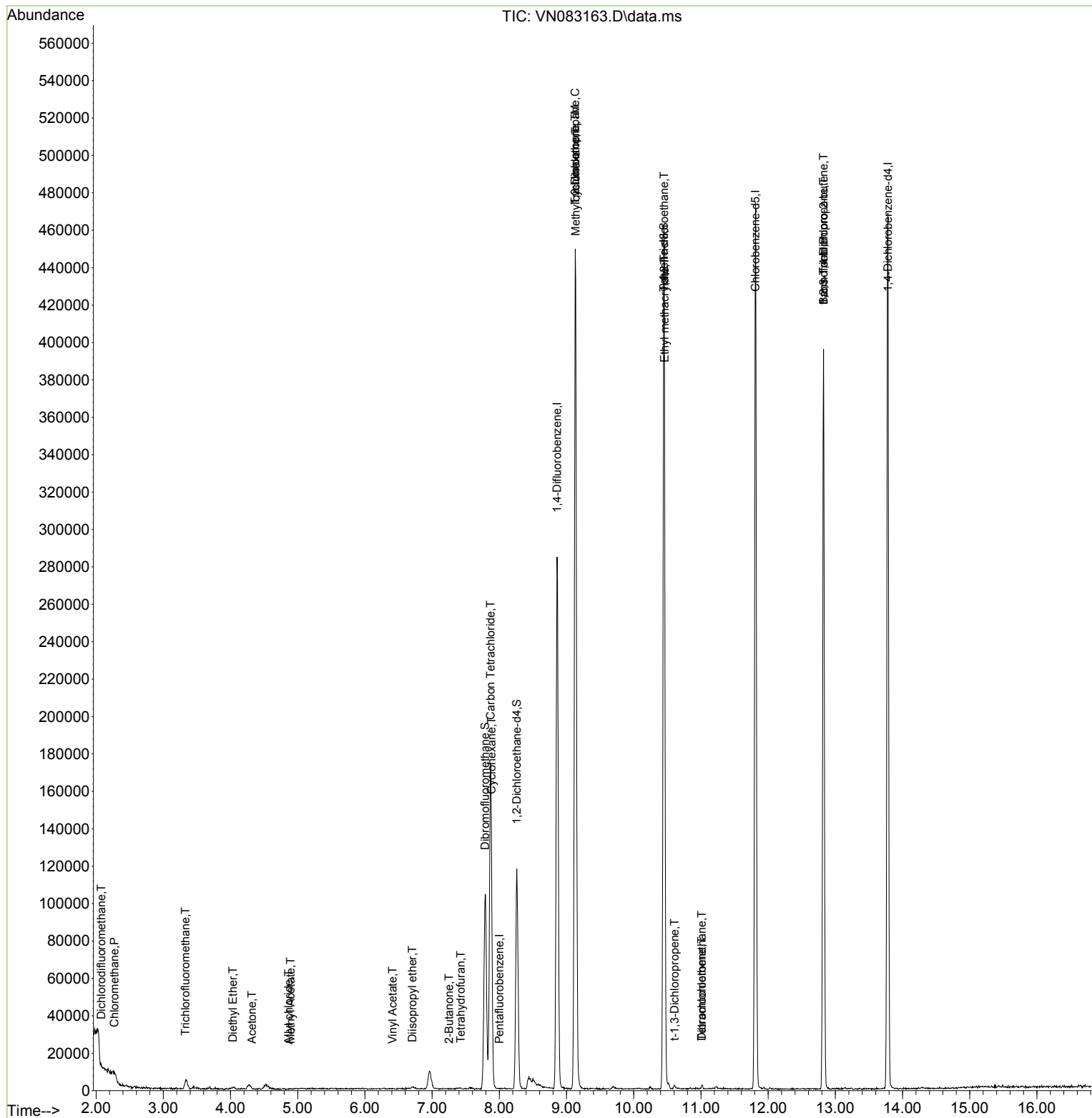
Internal Standards						
1) Pentafluorobenzene	8.000	168	197	50.000	ug/l	#-0.22
34) 1,4-Difluorobenzene	8.859	114	253744	50.000	ug/l	-0.24
63) Chlorobenzene-d5	11.812	117	201702	50.000	ug/l	-0.05
72) 1,4-Dichlorobenzene-d4	13.782	152	125867	50.000	ug/l	-0.01
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.259	65	105727	37704.804	ug/l	-0.32
Spiked Amount	50.000	Range	74 - 125	Recovery	= 75409.600%#	
35) Dibromofluoromethane	7.789	113	85520	53.996	ug/l	-0.38
Spiked Amount	50.000	Range	75 - 124	Recovery	= 108.000%	
50) Toluene-d8	10.447	98	332578	56.293	ug/l	-0.12
Spiked Amount	50.000	Range	86 - 113	Recovery	= 112.580%	
62) 4-Bromofluorobenzene	0.000	95	0	0.000	ug/l	
Spiked Amount	50.000	Range	64 - 133	Recovery	= 0.000%#	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	2.077	85	53	23.724	ug/l #	43
3) Chloromethane	2.271	50	118	51.592	ug/l #	43
7) Trichlorofluoromethane	3.330	101	3611	936.612	ug/l #	83
8) Diethyl Ether	4.036	74	74	51.581	ug/l #	1
14) Allyl chloride	4.865	41	64	15.508	ug/l #	17
16) Acetone	4.318	43	110	100.253	ug/l #	48
18) Methyl Acetate	4.895	43	62	18.965	ug/l #	56
22) Diisopropyl ether	6.706	45	311	40.092	ug/l #	37
23) Vinyl Acetate	6.412	43	67	8.427	ug/l #	75
25) 2-Butanone	7.253	43	87	51.640	ug/l #	53
29) Tetrahydrofuran	7.424	42	397	364.527	ug/l #	38
31) Cyclohexane	7.883	56	3467	834.324	ug/l #	53
38) Carbon Tetrachloride	7.871	117	10833	4.014	ug/l #	17
39) Methylcyclohexane	9.135	83	2176	0.739	ug/l #	1
44) Trichloroethene	9.130	130	165516	97.428	ug/l	96
45) 1,2-Dichloropropane	9.130	63	470	0.277	ug/l #	1
53) t-1,3-Dichloropropene	10.606	75	787	0.281	ug/l #	19
55) 1,1,2-Trichloroethane	10.453	97	6930	4.288	ug/l #	1
56) Ethyl methacrylate	10.459	69	1220	0.400	ug/l #	69
60) Dibromochloromethane	11.012	129	462	0.236	ug/l #	10
64) Tetrachloroethene	11.012	164	476	0.356	ug/l #	85
71) Bromoform	12.823	173	693	0.582	ug/l #	1
76) 1,2,3-Trichloropropane	12.823	75	76127	27.558	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.823	75	76127	59.944	ug/l #	6

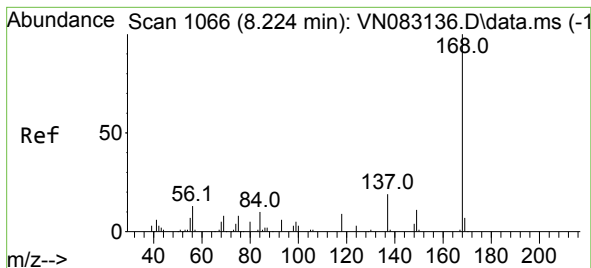
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 8.000 min Scan# 10

Delta R.T. -0.224 min

Lab File: VN083163.D

Acq: 08 Aug 2024 18:12

Instrument :

MSVOA_N

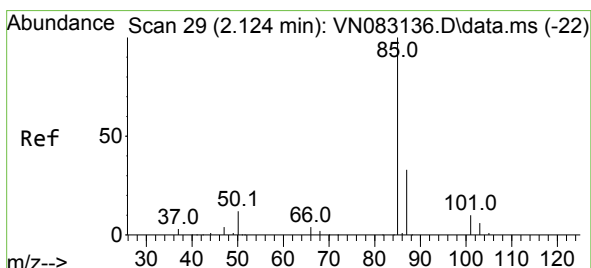
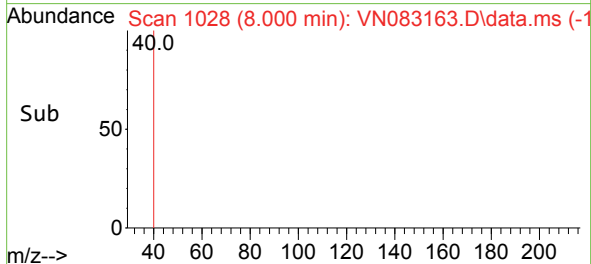
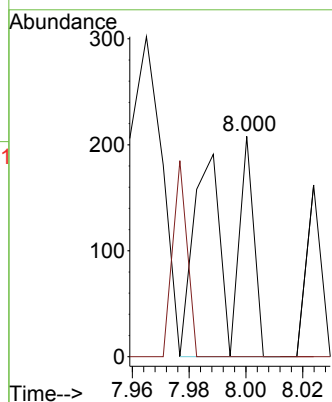
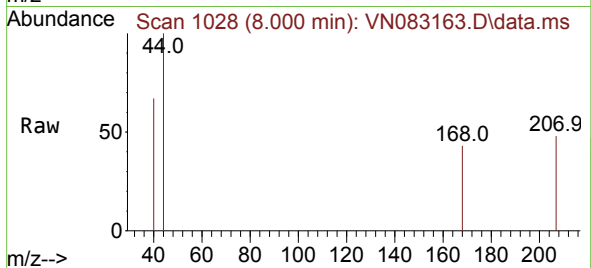
ClientSampleId :

Tgt Ion:168 Resp: 197

Ion Ratio Lower Upper

168 100

99 0.0 48.2 72.4#



#2

Dichlorodifluoromethane

Concen: 23.724 ug/l

RT: 2.077 min Scan# 21

Delta R.T. -0.047 min

Lab File: VN083163.D

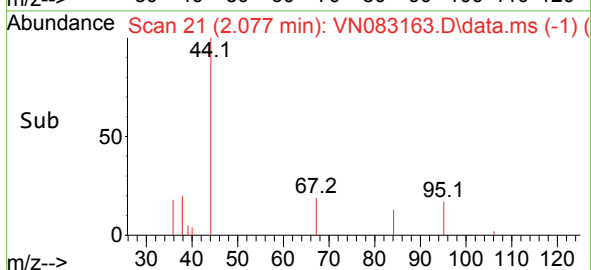
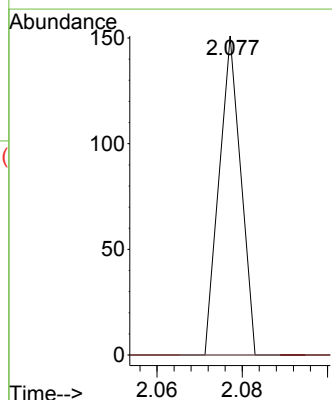
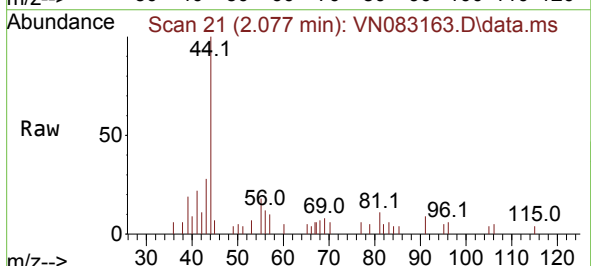
Acq: 08 Aug 2024 18:12

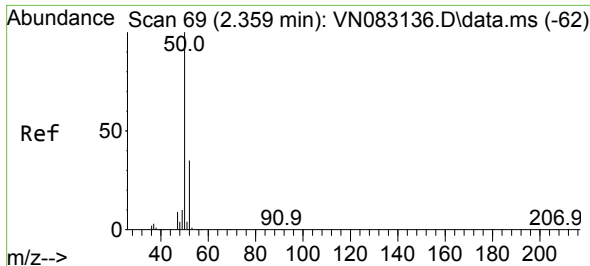
Tgt Ion: 85 Resp: 53

Ion Ratio Lower Upper

85 100

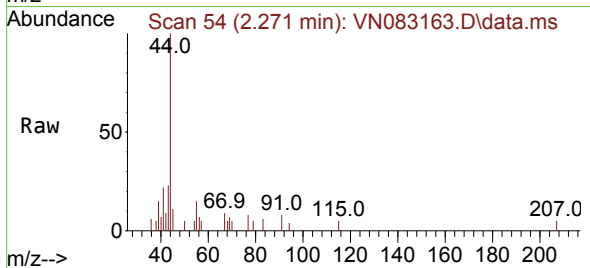
87 0.0 15.7 47.0#



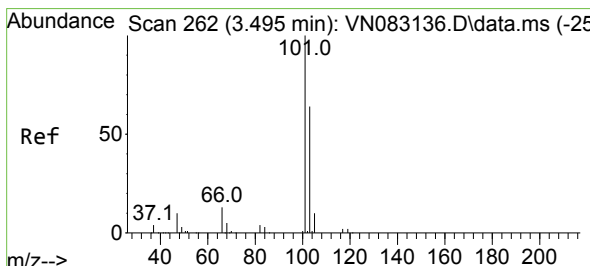
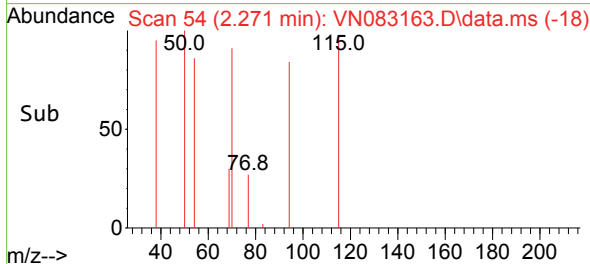
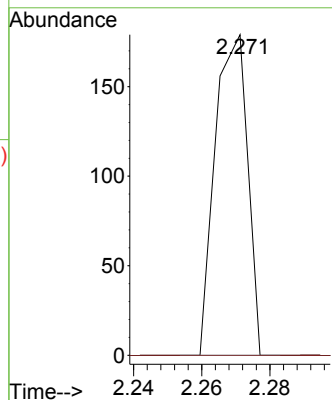


#3
Chloromethane
Concen: 51.592 ug/l
RT: 2.271 min Scan# 54
Delta R.T. -0.088 min
Lab File: VN083163.D
Acq: 08 Aug 2024 18:12

Instrument :
MSVOA_N
ClientSampleId :

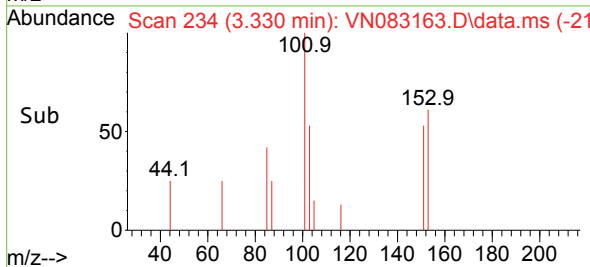
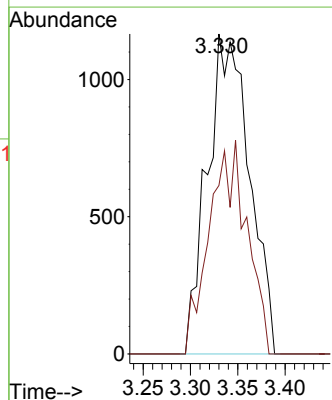
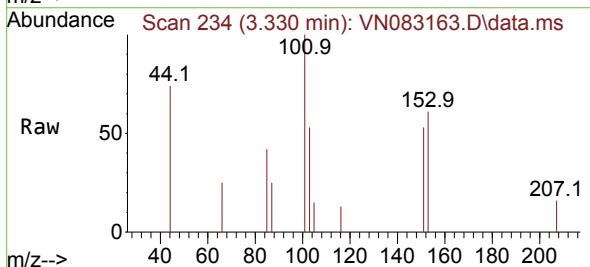


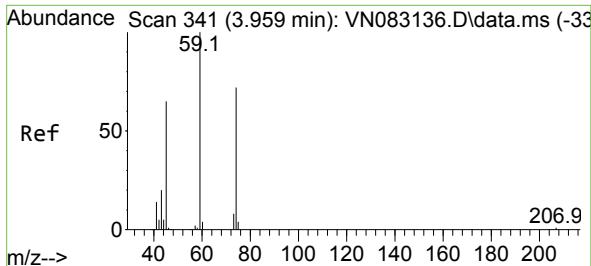
Tgt Ion: 50 Resp: 118
Ion Ratio Lower Upper
50 100
52 0.0 25.0 37.4#



#7
Trichlorofluoromethane
Concen: 936.612 ug/l
RT: 3.330 min Scan# 234
Delta R.T. -0.165 min
Lab File: VN083163.D
Acq: 08 Aug 2024 18:12

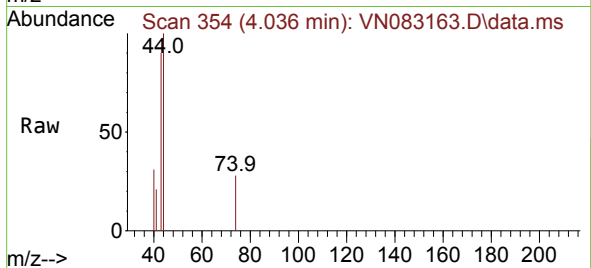
Tgt Ion: 101 Resp: 3611
Ion Ratio Lower Upper
101 100
103 52.7 52.7 79.1#



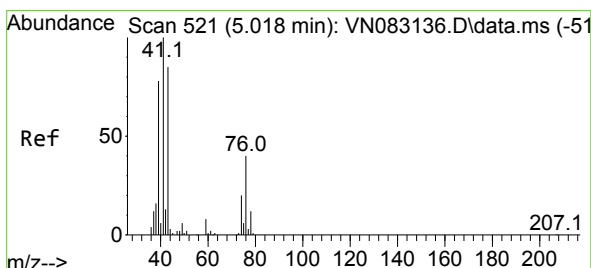
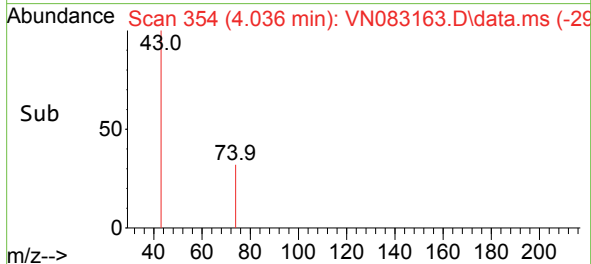
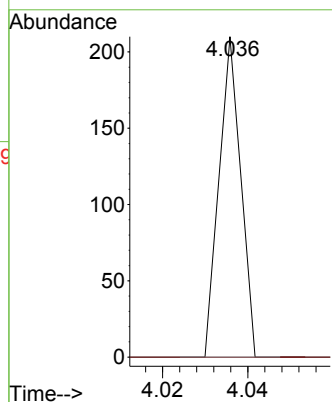


#8
Diethyl Ether
Concen: 51.581 ug/l
RT: 4.036 min Scan# 31
Delta R.T. 0.077 min
Lab File: VN083163.D
Acq: 08 Aug 2024 18:12

Instrument :
MSVOA_N
ClientSampleId :

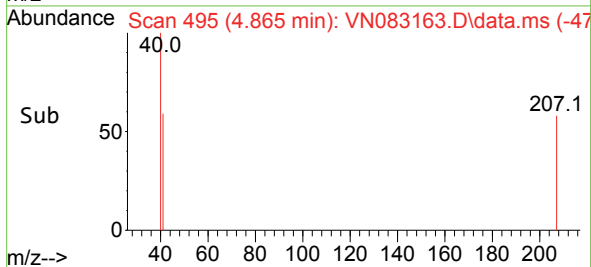
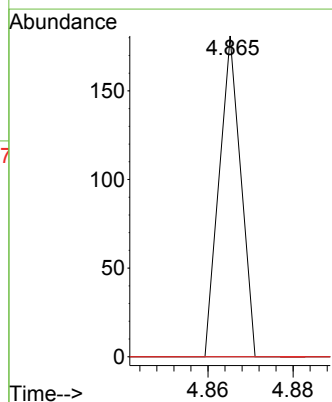
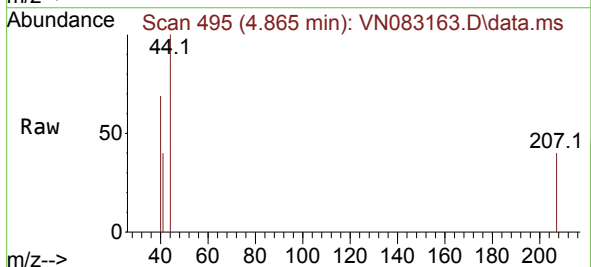


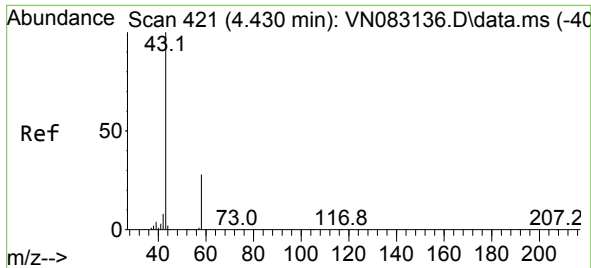
Tgt Ion: 74 Resp: 74
Ion Ratio Lower Upper
74 100
45 0.0 55.5 166.3#



#14
Allyl chloride
Concen: 15.508 ug/l
RT: 4.865 min Scan# 495
Delta R.T. -0.153 min
Lab File: VN083163.D
Acq: 08 Aug 2024 18:12

Tgt Ion: 41 Resp: 64
Ion Ratio Lower Upper
41 100
39 0.0 67.8 101.6#
76 0.0 25.8 38.8#

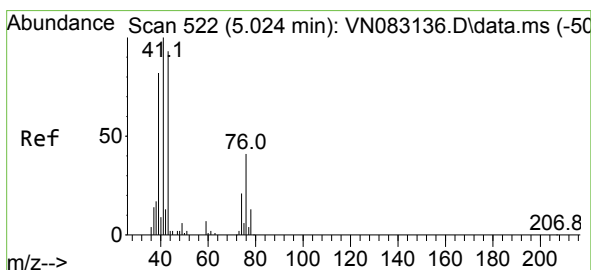
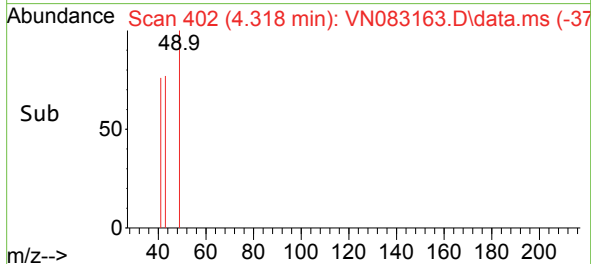
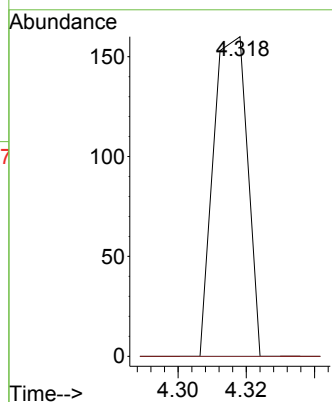
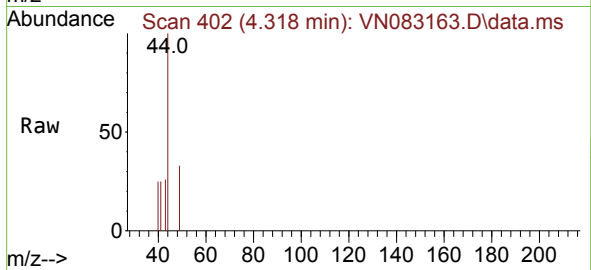




#16
Acetone
Concen: 100.253 ug/l
RT: 4.318 min Scan# 40
Delta R.T. -0.112 min
Lab File: VN083163.D
Acq: 08 Aug 2024 18:12

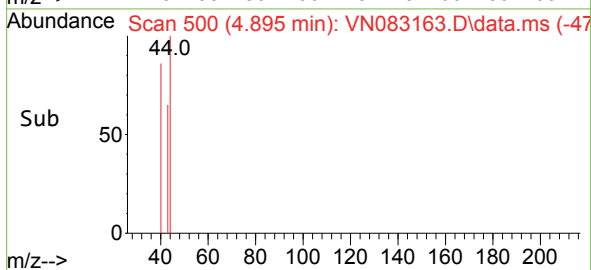
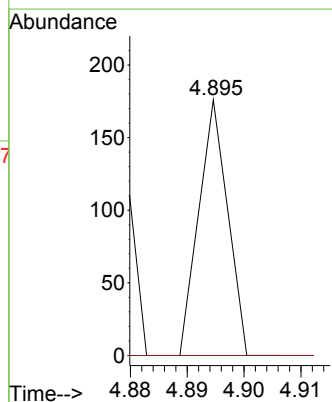
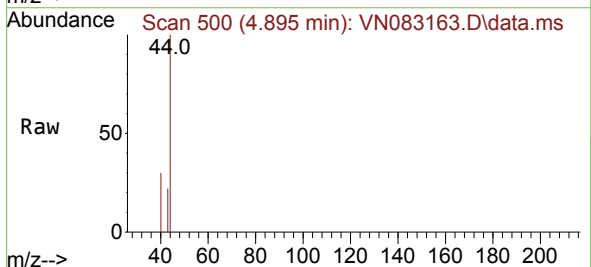
Instrument :
MSVOA_N
ClientSampleId :

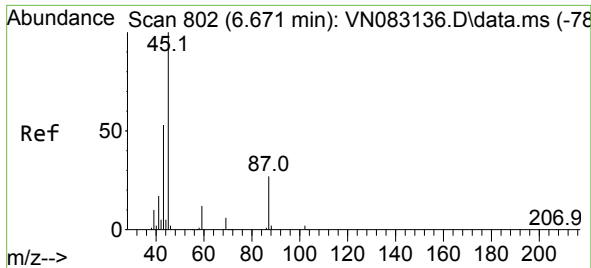
Tgt Ion: 43 Resp: 110
Ion Ratio Lower Upper
43 100
58 0.0 21.8 32.6#



#18
Methyl Acetate
Concen: 18.965 ug/l
RT: 4.895 min Scan# 500
Delta R.T. -0.129 min
Lab File: VN083163.D
Acq: 08 Aug 2024 18:12

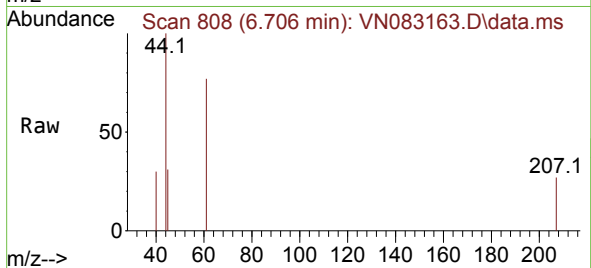
Tgt Ion: 43 Resp: 62
Ion Ratio Lower Upper
43 100
74 0.0 16.3 24.5#



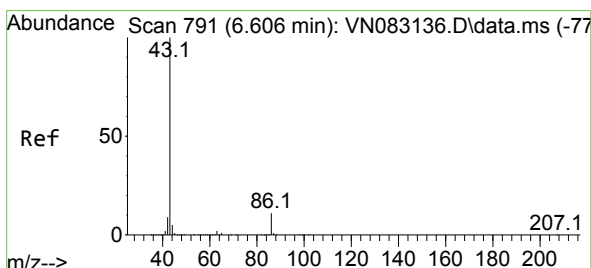
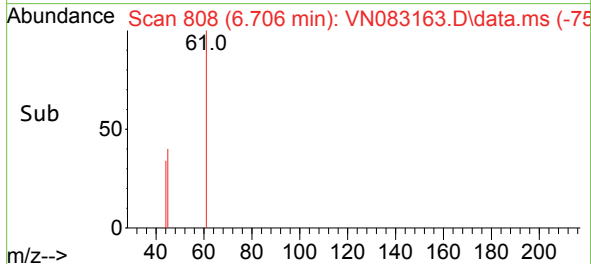
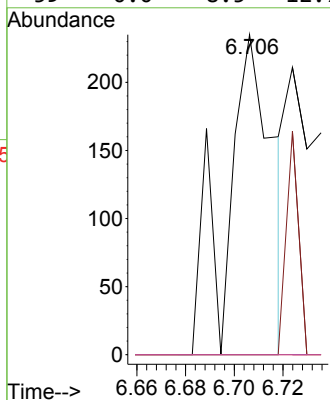


#22
Diisopropyl ether
Concen: 40.092 ug/l
RT: 6.706 min Scan# 802
Delta R.T. 0.035 min
Lab File: VN083163.D
Acq: 08 Aug 2024 18:12

Instrument :
MSVOA_N
ClientSampleId :

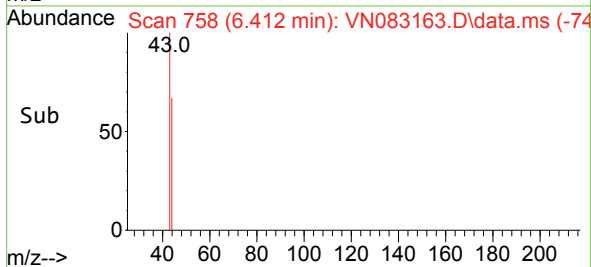
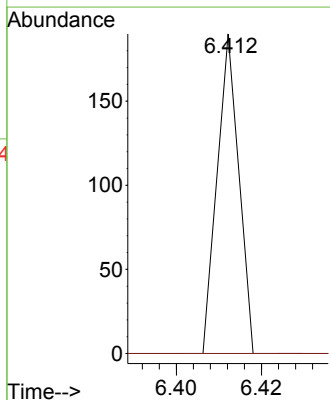
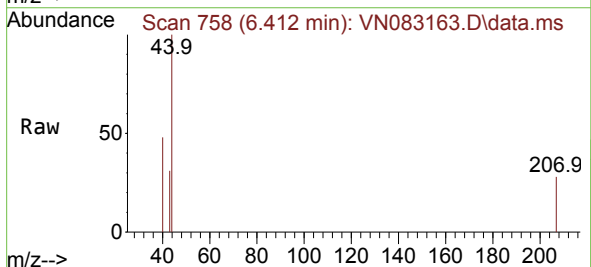


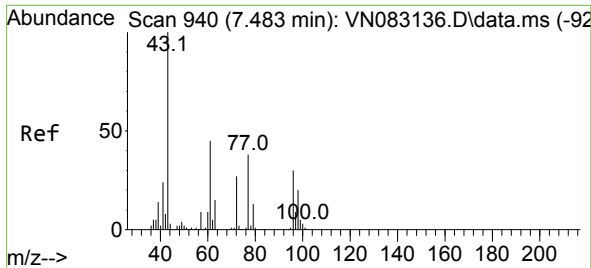
Tgt Ion: 45 Resp: 311
Ion Ratio Lower Upper
45 100
43 0.0 44.0 66.0#
87 0.0 19.7 29.5#
59 0.0 8.5 12.7#



#23
Vinyl Acetate
Concen: 8.427 ug/l
RT: 6.412 min Scan# 758
Delta R.T. -0.194 min
Lab File: VN083163.D
Acq: 08 Aug 2024 18:12

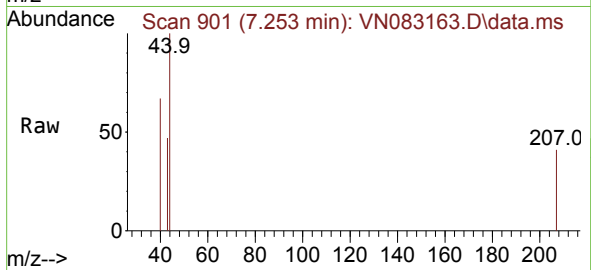
Tgt Ion: 43 Resp: 67
Ion Ratio Lower Upper
43 100
86 0.0 7.3 10.9#



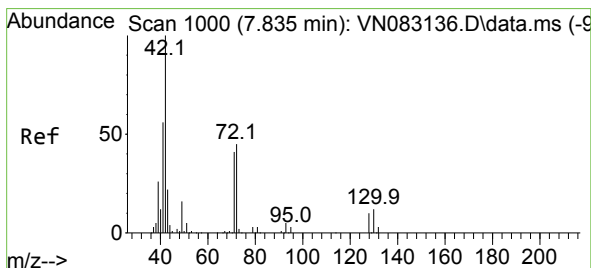
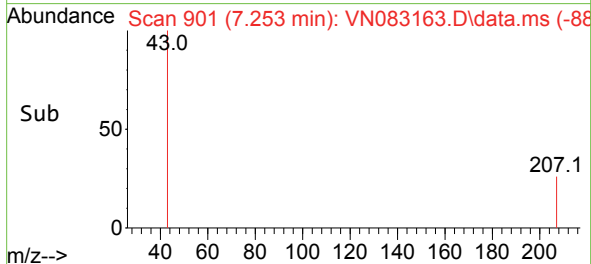
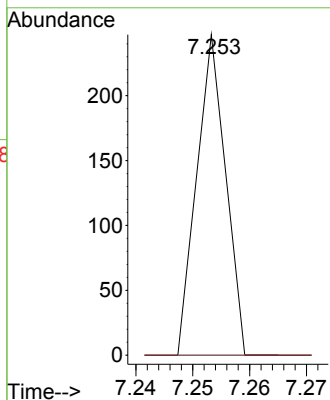


#25
2-Butanone
Concen: 51.640 ug/l
RT: 7.253 min Scan# 90
Delta R.T. -0.229 min
Lab File: VN083163.D
Acq: 08 Aug 2024 18:12

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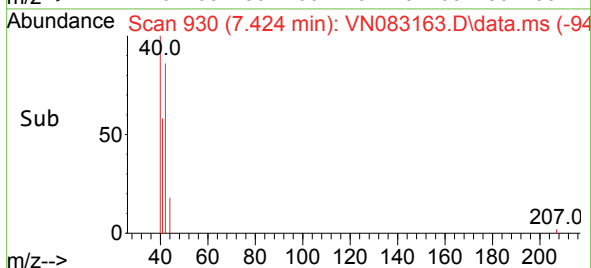
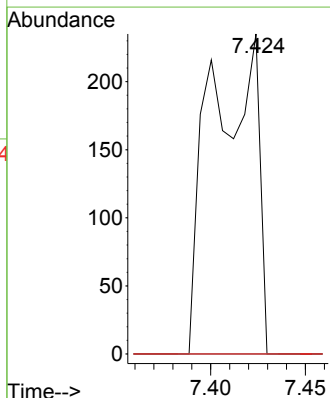
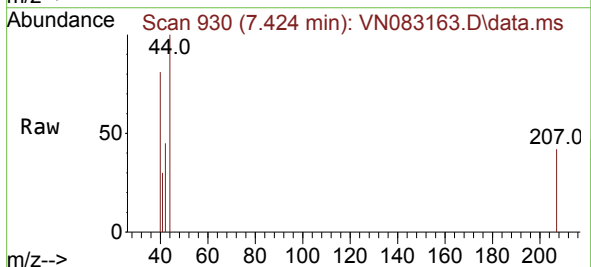


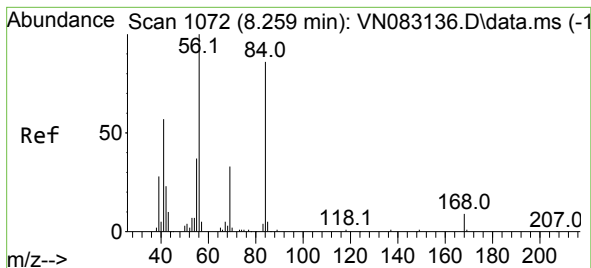
Tgt Ion: 43 Resp: 87
Ion Ratio Lower Upper
43 100
72 0.0 18.2 27.2#



#29
Tetrahydrofuran
Concen: 364.527 ug/l
RT: 7.424 min Scan# 930
Delta R.T. -0.412 min
Lab File: VN083163.D
Acq: 08 Aug 2024 18:12

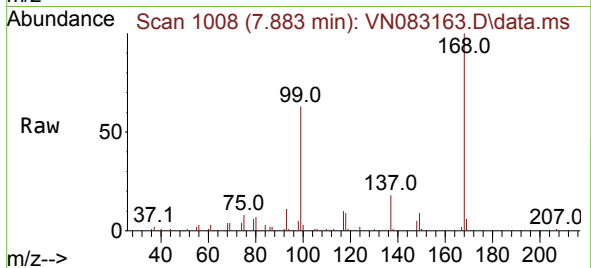
Tgt Ion: 42 Resp: 397
Ion Ratio Lower Upper
42 100
72 0.0 30.0 45.0#
71 0.0 28.3 42.5#



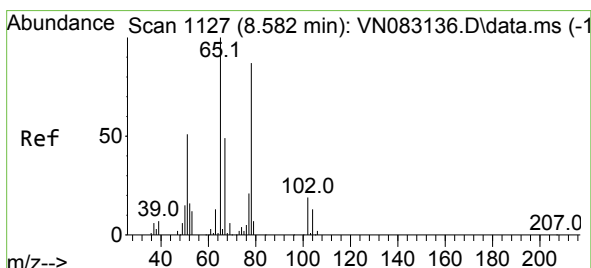
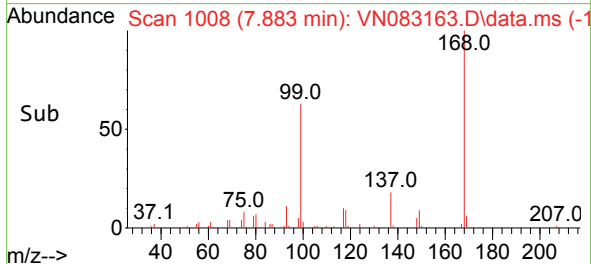
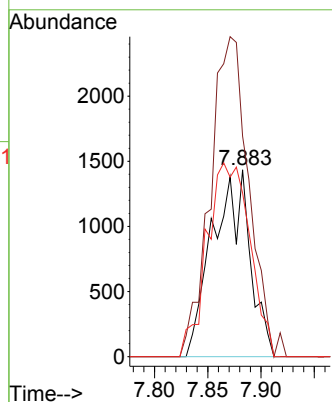


#31
Cyclohexane
Concen: 834.324 ug/l
RT: 7.883 min Scan# 1008
Delta R.T. -0.376 min
Lab File: VN083163.D
Acq: 08 Aug 2024 18:12

Instrument :
MSVOA_N
ClientSampleId :

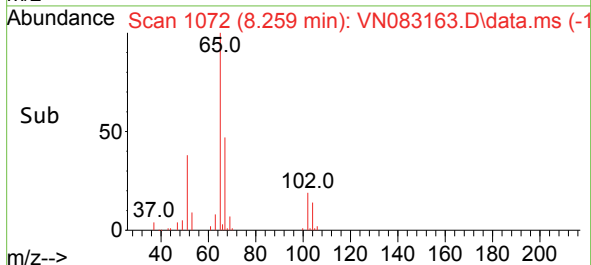
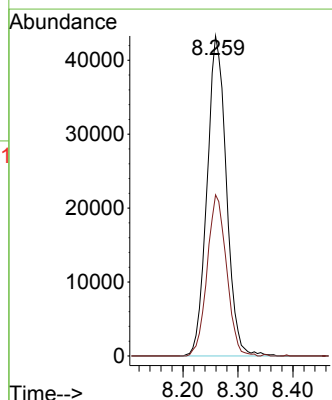
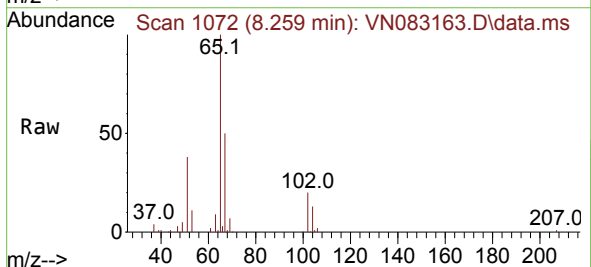


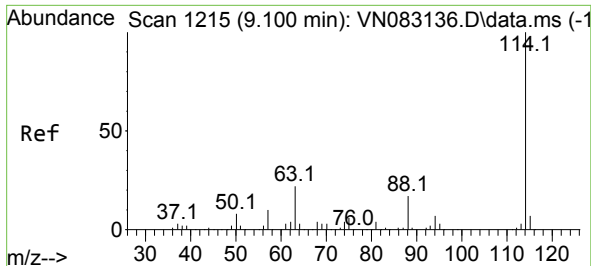
Tgt Ion: 56 Resp: 3467
Ion Ratio Lower Upper
56 100
69 118.0 24.5 36.7#
84 87.6 66.0 99.0



#33
1,2-Dichloroethane-d4
Concen: 37704.804 ug/l
RT: 8.259 min Scan# 1072
Delta R.T. -0.323 min
Lab File: VN083163.D
Acq: 08 Aug 2024 18:12

Tgt Ion: 65 Resp: 105727
Ion Ratio Lower Upper
65 100
67 50.4 0.0 104.4





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.859 min Scan# 1174

Delta R.T. -0.241 min

Lab File: VN083163.D

Acq: 08 Aug 2024 18:12

Instrument :

MSVOA_N

ClientSampleId :

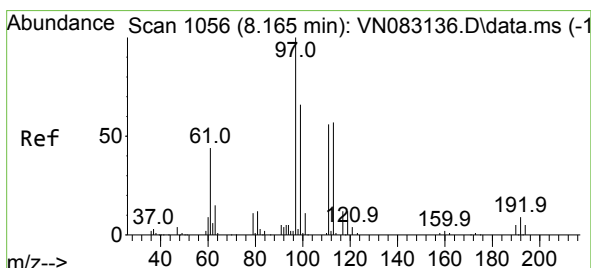
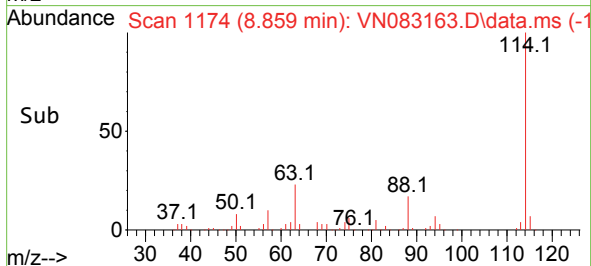
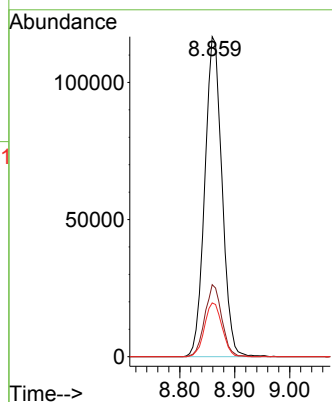
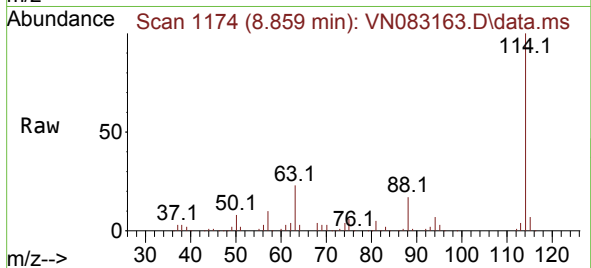
Tgt Ion:114 Resp: 253744

Ion Ratio Lower Upper

114 100

63 22.5 0.0 44.6

88 16.8 0.0 31.4



#35

Dibromofluoromethane

Concen: 53.996 ug/l

RT: 7.789 min Scan# 992

Delta R.T. -0.376 min

Lab File: VN083163.D

Acq: 08 Aug 2024 18:12

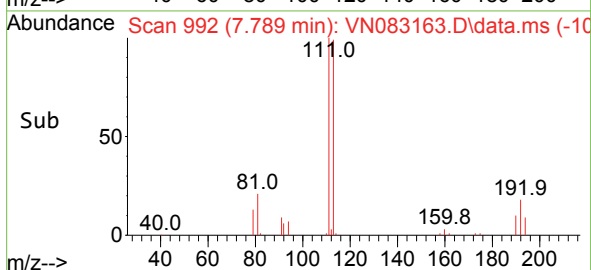
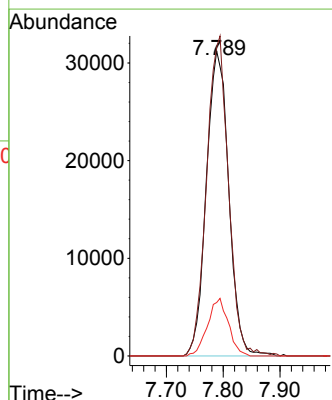
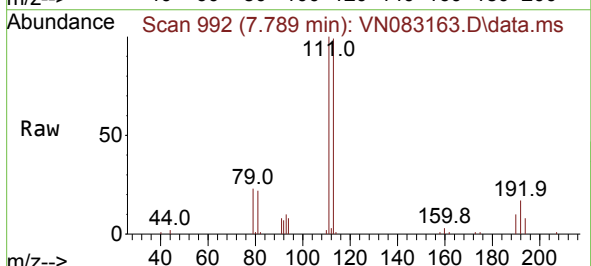
Tgt Ion:113 Resp: 85520

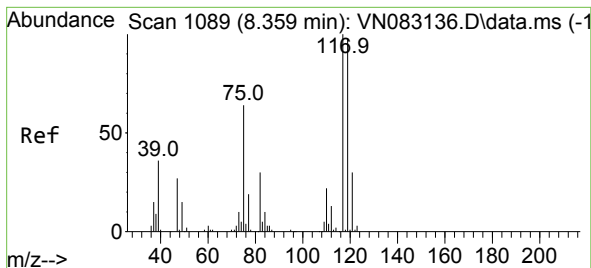
Ion Ratio Lower Upper

113 100

111 102.5 82.4 123.6

192 17.6 14.9 22.3





#38

Carbon Tetrachloride

Concen: 4.014 ug/l

RT: 7.871 min Scan# 10833

Delta R.T. -0.488 min

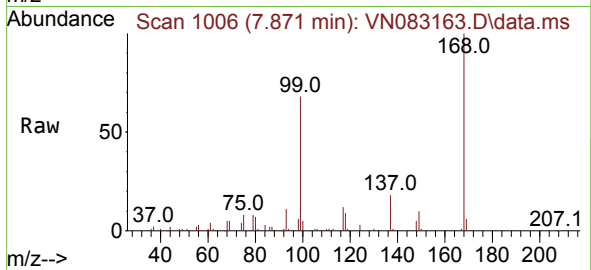
Lab File: VN083163.D

Acq: 08 Aug 2024 18:12

Instrument :

MSVOA_N

ClientSampleId :



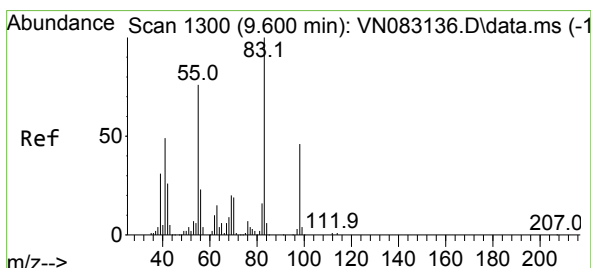
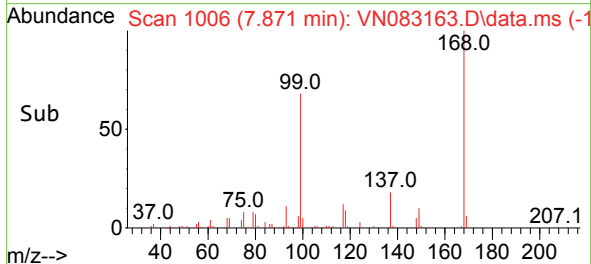
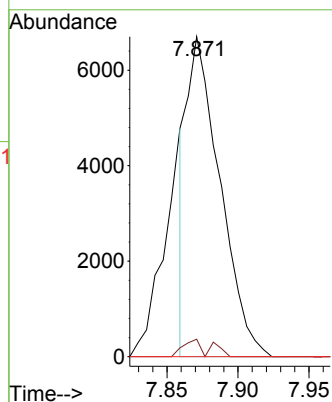
Tgt Ion:117 Resp: 10833

Ion Ratio Lower Upper

117 100

119 5.5 74.9 112.3#

121 0.0 24.3 36.5#



#39

Methylcyclohexane

Concen: 0.739 ug/l

RT: 9.135 min Scan# 1221

Delta R.T. -0.465 min

Lab File: VN083163.D

Acq: 08 Aug 2024 18:12

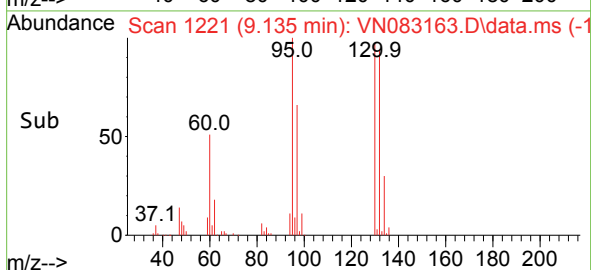
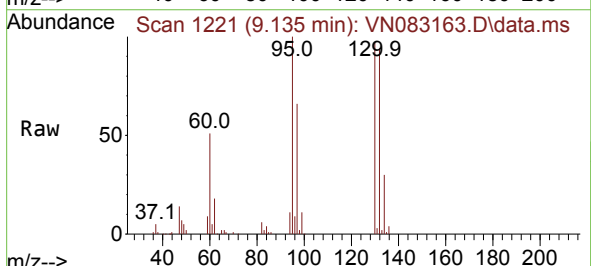
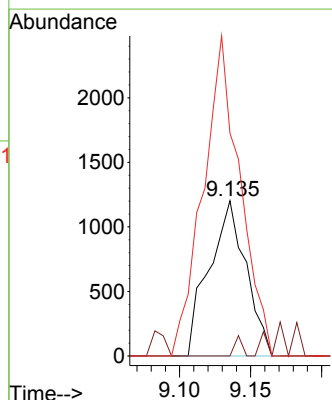
Tgt Ion: 83 Resp: 2176

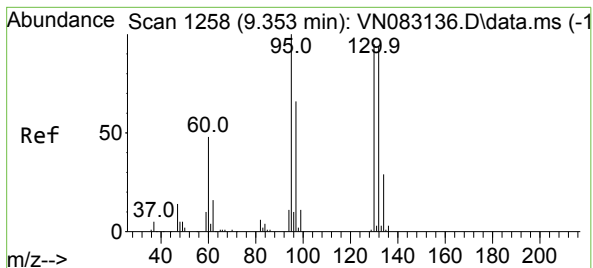
Ion Ratio Lower Upper

83 100

55 0.0 66.4 99.6#

98 143.6 40.7 61.1#





#44

Trichloroethene

Concen: 97.428 ug/l

RT: 9.130 min Scan# 11

Delta R.T. -0.223 min

Lab File: VN083163.D

Acq: 08 Aug 2024 18:12

Instrument :

MSVOA_N

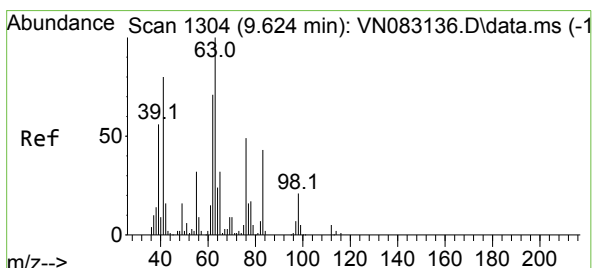
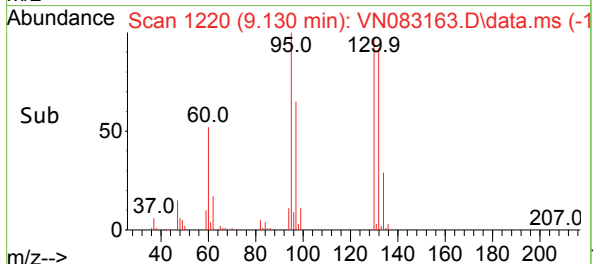
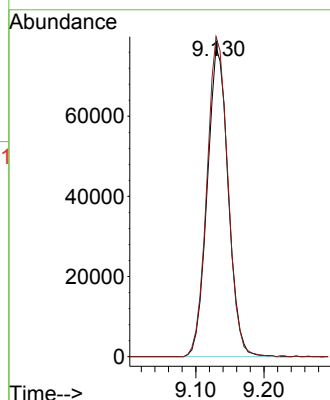
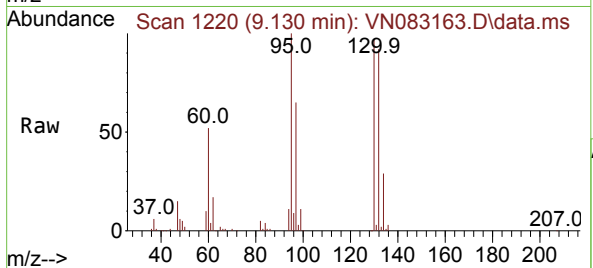
ClientSampleId :

Tgt Ion:130 Resp: 165516

Ion Ratio Lower Upper

130 100

95 103.3 0.0 197.8



#45

1,2-Dichloropropane

Concen: 0.277 ug/l

RT: 9.130 min Scan# 1220

Delta R.T. -0.494 min

Lab File: VN083163.D

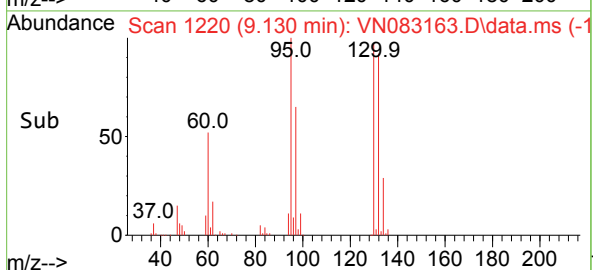
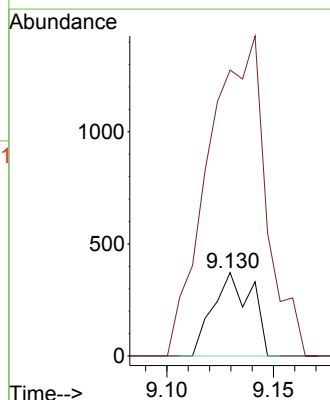
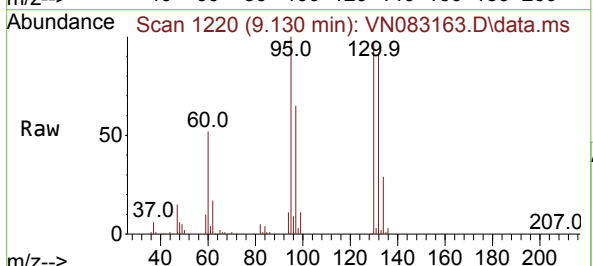
Acq: 08 Aug 2024 18:12

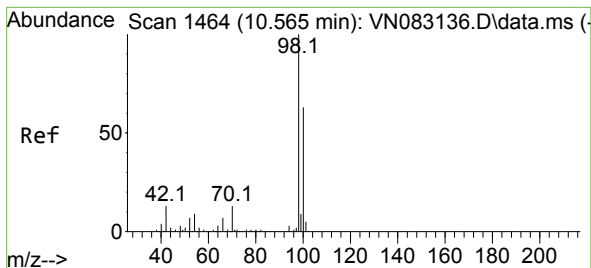
Tgt Ion: 63 Resp: 470

Ion Ratio Lower Upper

63 100

65 277.7 24.4 36.6#





#50

Toluene-d8

Concen: 56.293 ug/l

RT: 10.447 min Scan# 1464

Delta R.T. -0.118 min

Lab File: VN083163.D

Acq: 08 Aug 2024 18:12

Instrument :

MSVOA_N

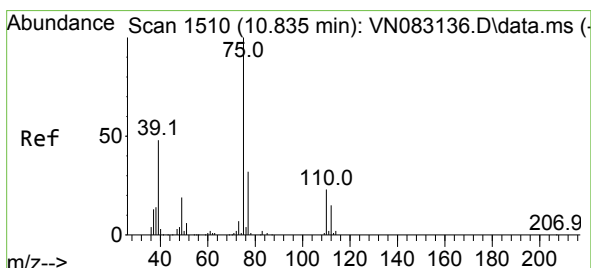
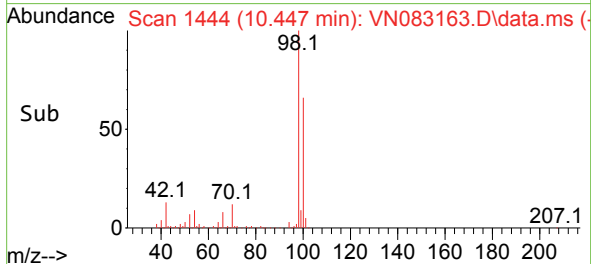
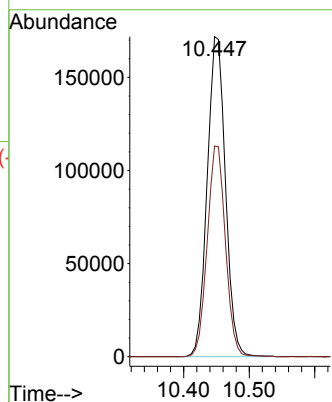
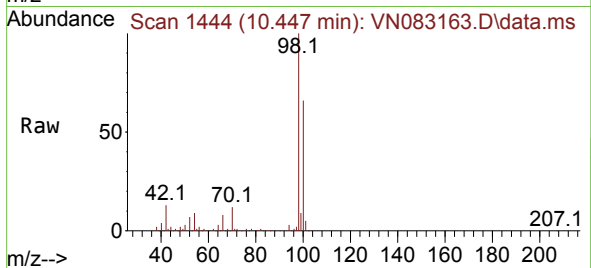
ClientSampleId :

Tgt Ion: 98 Resp: 332578

Ion Ratio Lower Upper

98 100

100 65.7 51.5 77.3



#53

t-1,3-Dichloropropene

Concen: 0.281 ug/l

RT: 10.606 min Scan# 1471

Delta R.T. -0.229 min

Lab File: VN083163.D

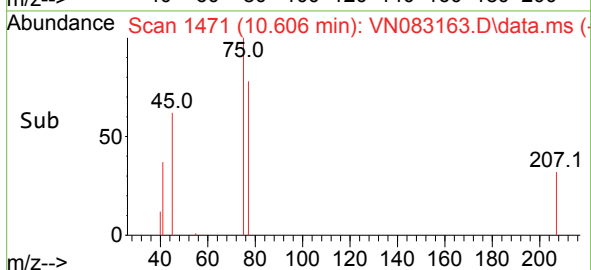
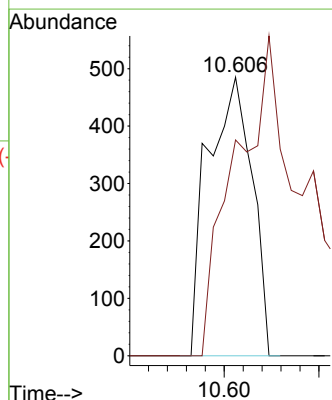
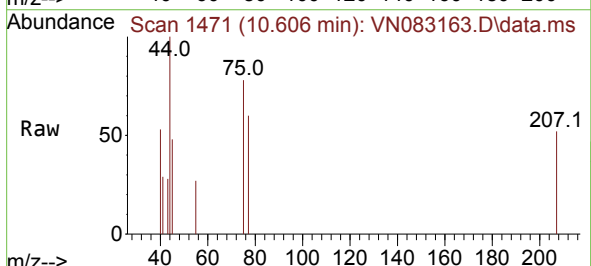
Acq: 08 Aug 2024 18:12

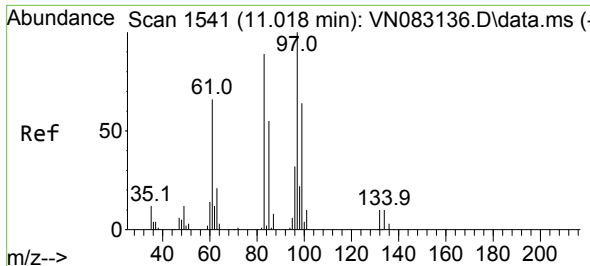
Tgt Ion: 75 Resp: 787

Ion Ratio Lower Upper

75 100

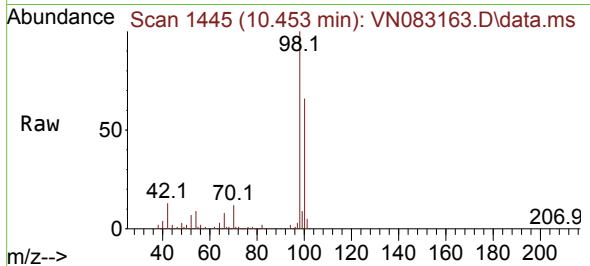
77 77.5 25.7 38.5#



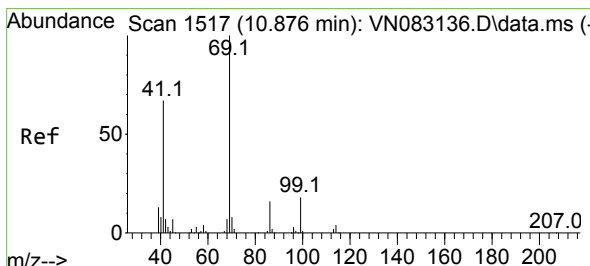
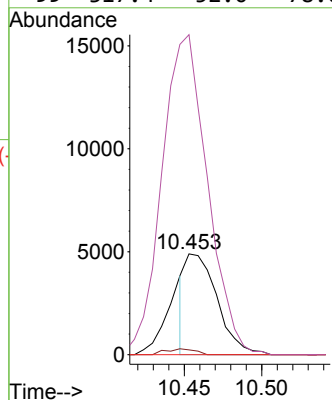
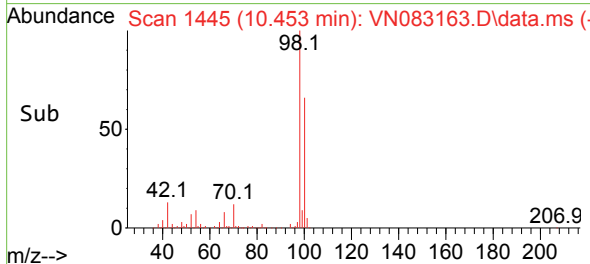


#55
1,1,2-Trichloroethane
Concen: 4.288 ug/l
RT: 10.453 min Scan# 1445
Delta R.T. -0.565 min
Lab File: VN083163.D
Acq: 08 Aug 2024 18:12

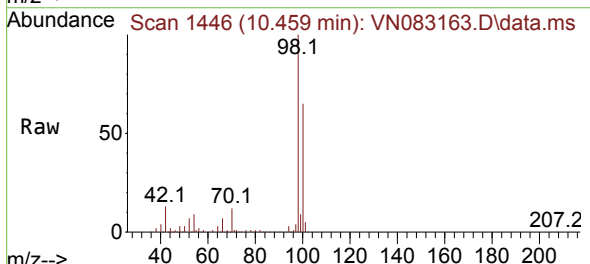
Instrument :
MSVOA_N
ClientSampleId :



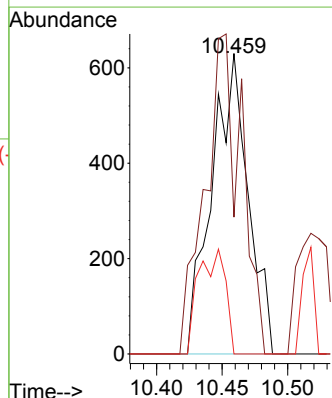
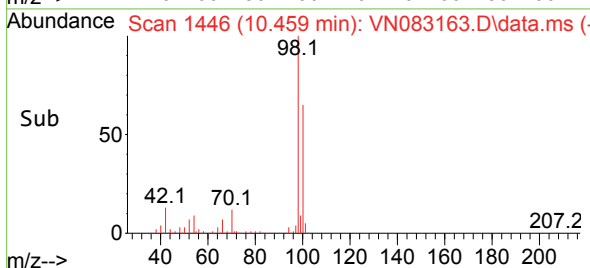
Tgt Ion: 97 Resp: 6930
Ion Ratio Lower Upper
97 100
83 4.8 71.4 107.0#
85 0.0 45.8 68.6#
99 317.4 52.0 78.0#

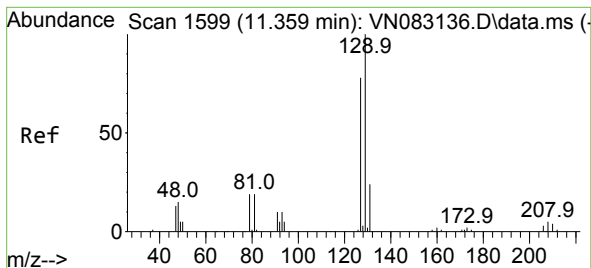


#56
Ethyl methacrylate
Concen: 0.400 ug/l
RT: 10.459 min Scan# 1446
Delta R.T. -0.418 min
Lab File: VN083163.D
Acq: 08 Aug 2024 18:12



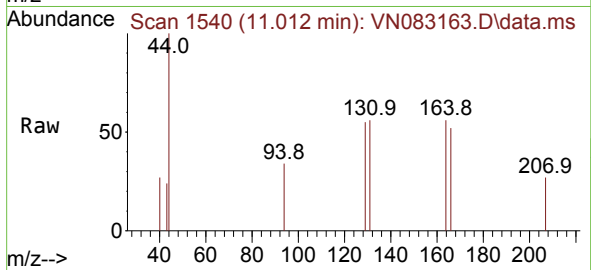
Tgt Ion: 69 Resp: 1220
Ion Ratio Lower Upper
69 100
41 105.7 63.4 95.2#
39 25.7 37.4 56.0#



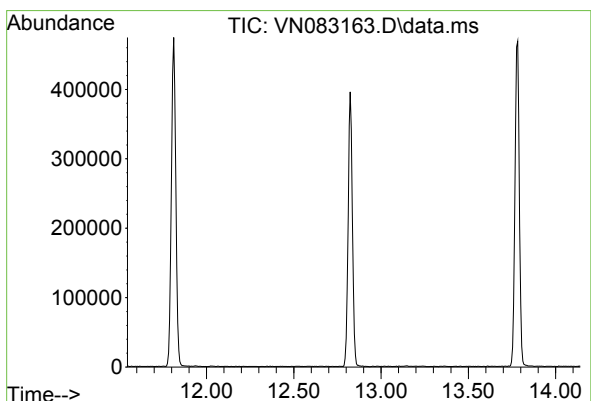
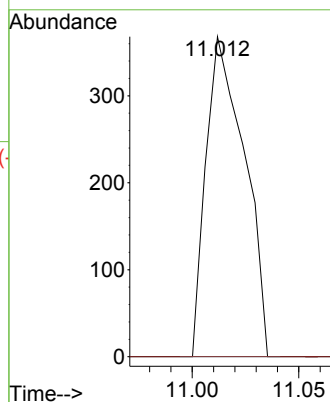
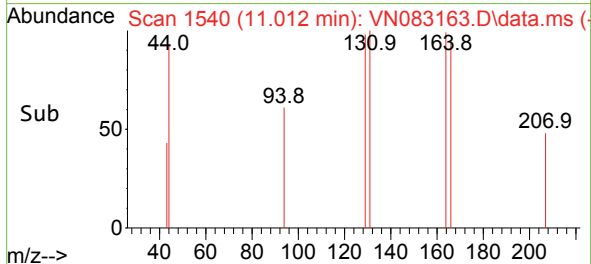


#60
Dibromochloromethane
Concen: 0.236 ug/l
RT: 11.012 min Scan# 11
Delta R.T. -0.347 min
Lab File: VN083163.D
Acq: 08 Aug 2024 18:12

Instrument :
MSVOA_N
ClientSampleId :



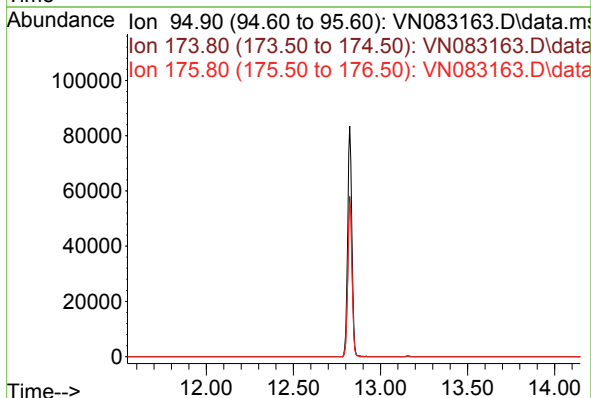
Tgt Ion:129 Resp: 462
Ion Ratio Lower Upper
129 100
127 0.0 39.2 117.6#

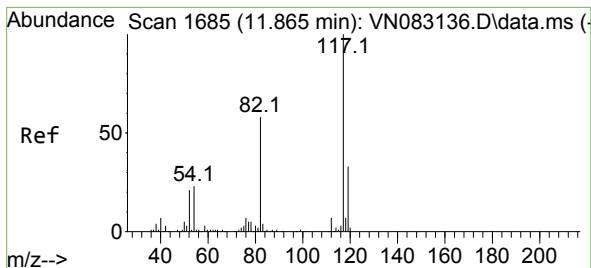


#62
4-Bromofluorobenzene
Concen: 0.000 ug/l
Expected RT: 12.85 min

Lab File: VN083163.D
Acq: 08 Aug 2024 18:12

Tgt Ion: 95
Sig Exp Ratio
95 100
174 79.6
176 73.8





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.812 min Scan# 1

Delta R.T. -0.053 min

Lab File: VN083163.D

Acq: 08 Aug 2024 18:12

Instrument :

MSVOA_N

ClientSampleId :

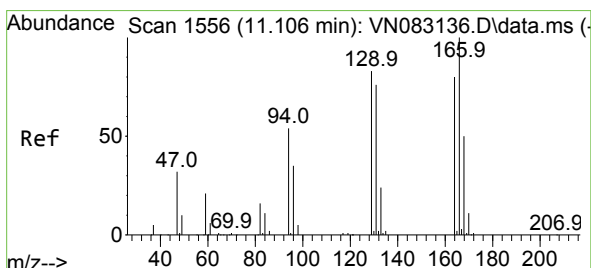
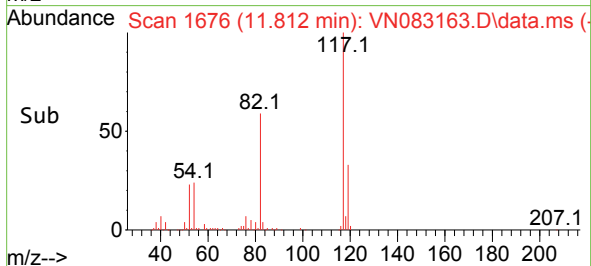
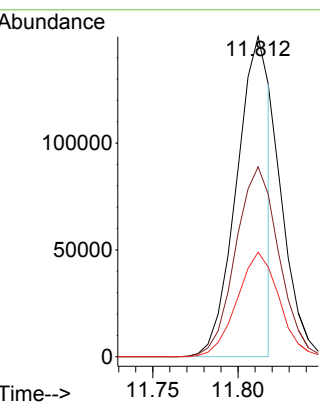
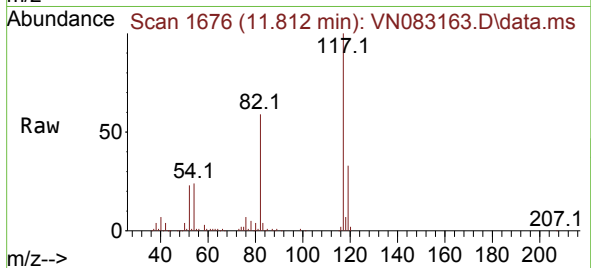
Tgt Ion:117 Resp: 201702

Ion Ratio Lower Upper

117 100

82 59.3 47.5 71.3

119 32.6 25.6 38.4



#64

Tetrachloroethene

Concen: 0.356 ug/l

RT: 11.012 min Scan# 1540

Delta R.T. -0.094 min

Lab File: VN083163.D

Acq: 08 Aug 2024 18:12

Tgt Ion:164 Resp: 476

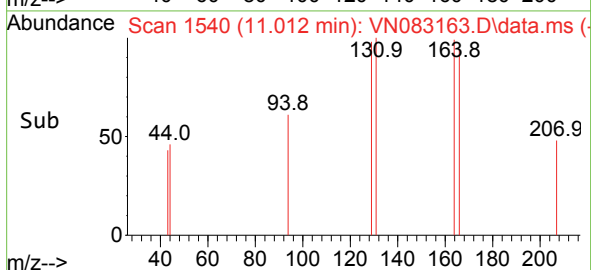
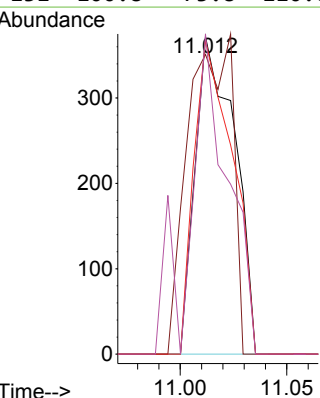
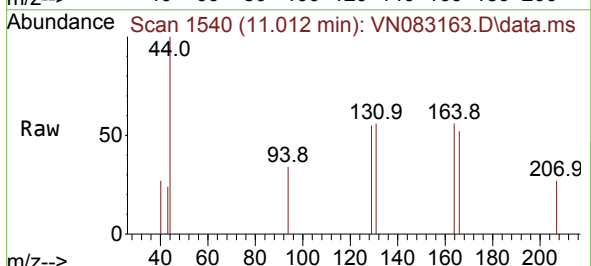
Ion Ratio Lower Upper

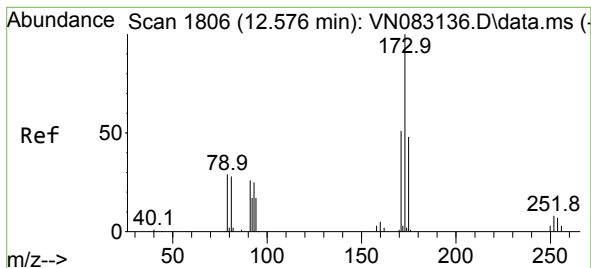
164 100

166 94.4 101.4 152.0#

129 98.9 75.7 113.5

131 100.8 73.8 110.6





#71

Bromoform

Concen: 0.582 ug/l

RT: 12.823 min Scan# 11

Delta R.T. 0.247 min

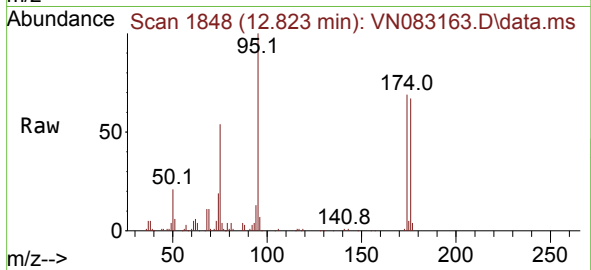
Lab File: VN083163.D

Acq: 08 Aug 2024 18:12

Instrument :

MSVOA_N

ClientSampleId :



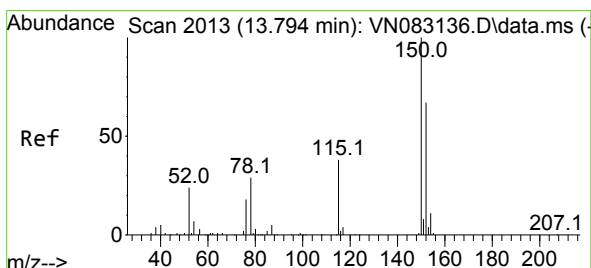
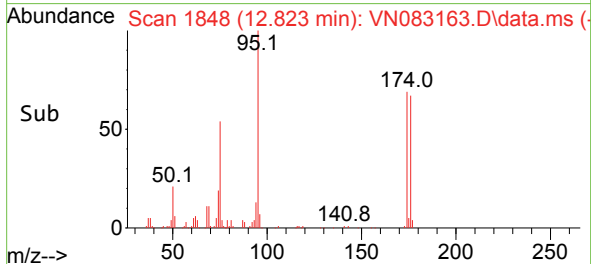
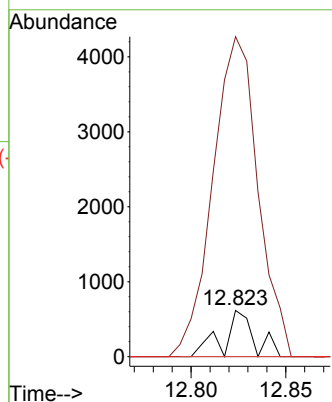
Tgt Ion:173 Resp: 693

Ion Ratio Lower Upper

173 100

175 1023.4 24.0 72.0#

254 0.0 0.0 0.0



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.782 min Scan# 2011

Delta R.T. -0.012 min

Lab File: VN083163.D

Acq: 08 Aug 2024 18:12

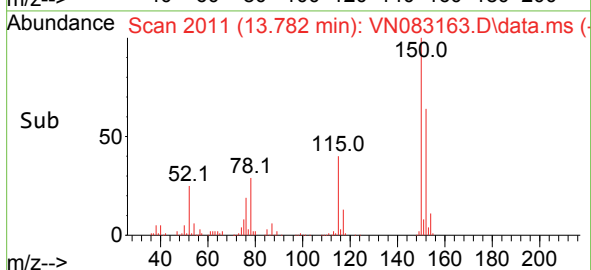
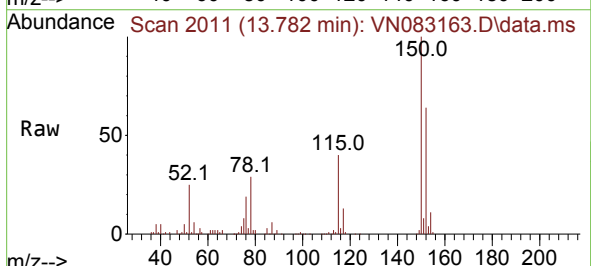
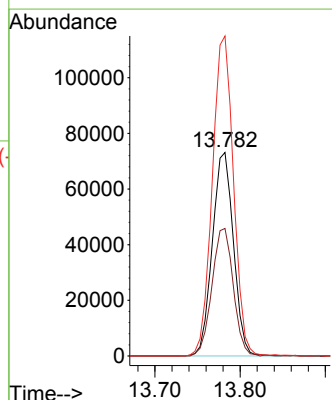
Tgt Ion:152 Resp: 125867

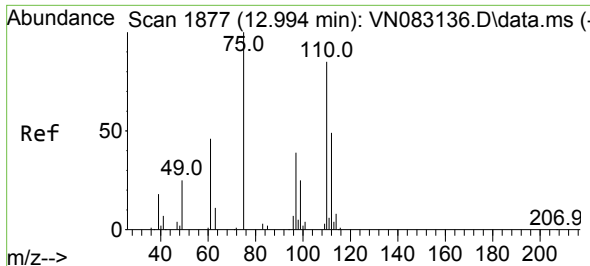
Ion Ratio Lower Upper

152 100

115 63.4 30.6 91.6

150 157.5 0.0 348.6

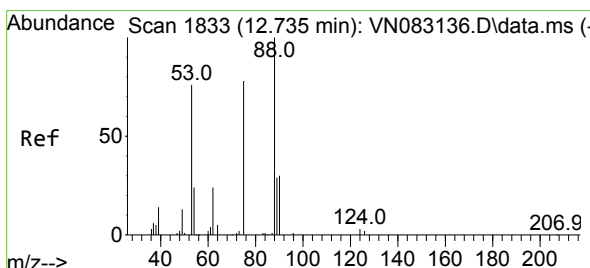
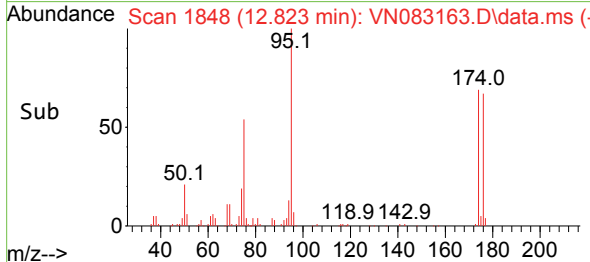
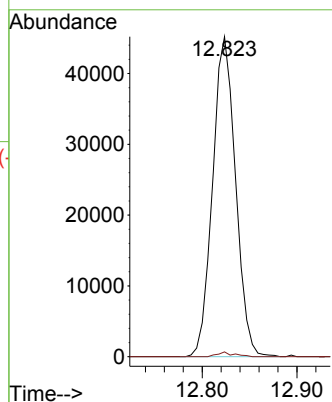
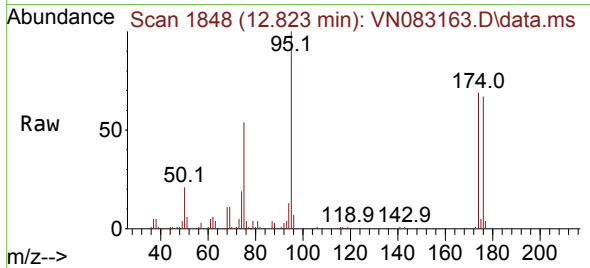




#76
1,2,3-Trichloropropane
Concen: 27.558 ug/l
RT: 12.823 min Scan# 1848
Delta R.T. -0.170 min
Lab File: VN083163.D
Acq: 08 Aug 2024 18:12

Instrument :
MSVOA_N
ClientSampleId :

Tgt Ion: 75 Resp: 76127
Ion Ratio Lower Upper
75 100
77 1.0 110.9 332.6#



#81
trans-1,4-Dichloro-2-butene
Concen: 59.944 ug/l
RT: 12.823 min Scan# 1848
Delta R.T. 0.088 min
Lab File: VN083163.D
Acq: 08 Aug 2024 18:12

Tgt Ion: 75 Resp: 76127
Ion Ratio Lower Upper
75 100
53 0.0 88.4 132.6#
89 0.0 36.3 54.5#

