

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN092424\
 Data File : VN084139.D
 Acq On : 24 Sep 2024 17:07
 Operator : JC\MD
 Sample : P4116-15
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Sep 25 01:37:06 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)

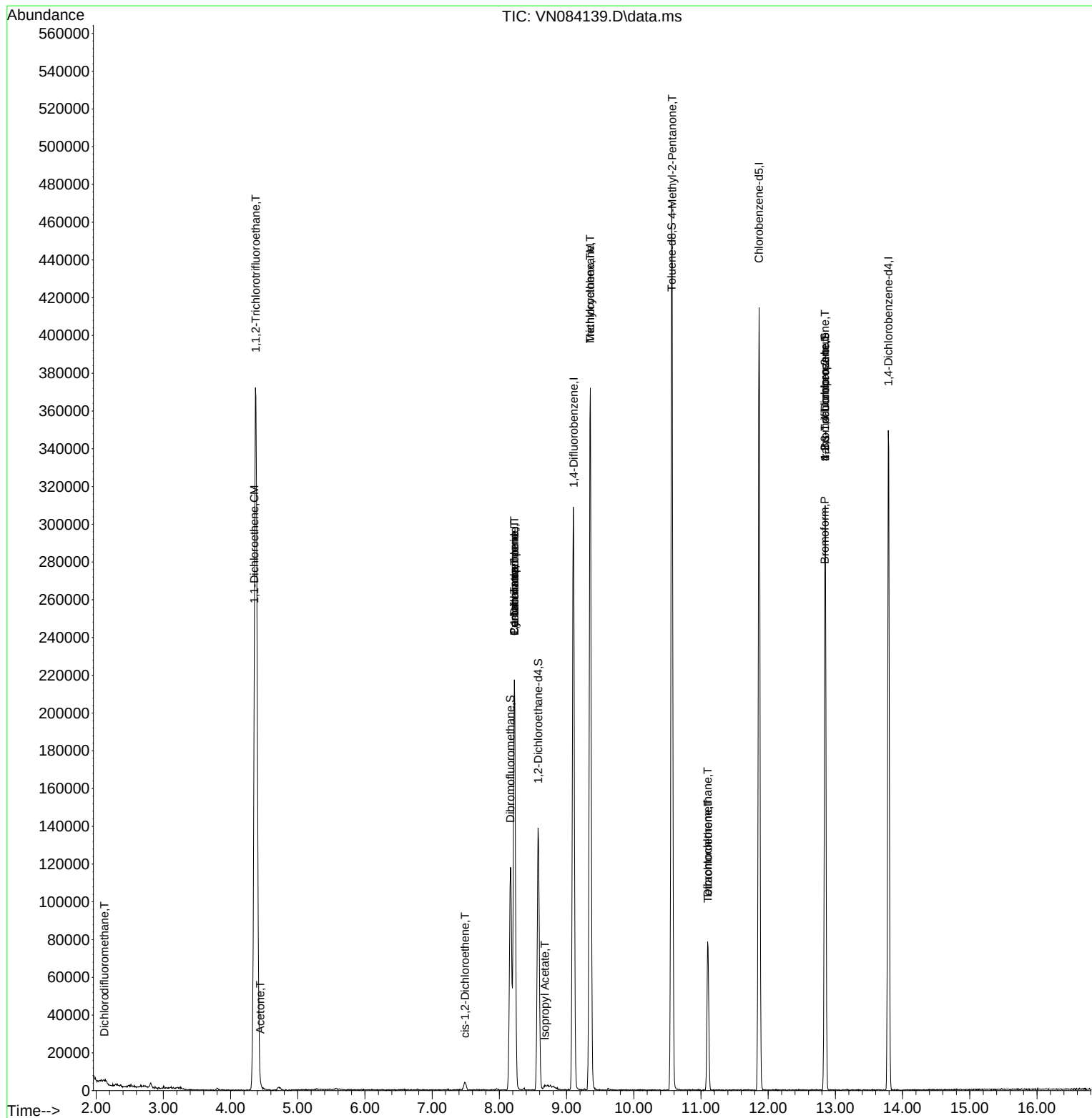
Internal Standards						
1) Pentafluorobenzene	8.224	168	147645	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	256724	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	222246	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	90278	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.577	65	116605	52.377	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	= 104.760%	
35) Dibromofluoromethane	8.165	113	85583	52.073	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 104.140%	
50) Toluene-d8	10.565	98	316974	55.788	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	= 111.580%	
62) 4-Bromofluorobenzene	12.847	95	107851	46.009	ug/l	0.00
Spiked Amount	50.000	Range	77 - 121	Recovery	= 92.020%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	2.124	85	358	0.209	ug/l #	26
3) Chloromethane	2.359	50	688	Below Cal	#	41
9) 1,1,2-Trichlorotrifluo...	4.377	101	260068	153.800	ug/l	99
12) 1,1-Dichloroethene	4.353	96	1066	0.668	ug/l #	43
16) Acetone	4.442	43	904	1.013	ug/l #	45
27) cis-1,2-Dichloroethene	7.488	96	2804	1.380	ug/l	85
31) Cyclohexane	8.224	56	3832	1.191	ug/l #	31
36) 1,1-Dichloropropene	8.224	75	13772	5.567	ug/l #	50
38) Carbon Tetrachloride	8.224	117	17568	6.260	ug/l #	16
39) Methylcyclohexane	9.353	83	1718	0.610	ug/l #	1
43) Isopropyl Acetate	8.677	43	1286	0.316	ug/l #	57
44) Trichloroethene	9.353	130	125842	72.986	ug/l	95
51) 4-Methyl-2-Pentanone	10.571	43	1296	0.585	ug/l #	1
60) Dibromochloromethane	11.100	129	17678	9.290	ug/l #	10
64) Tetrachloroethene	11.106	164	17221	11.652	ug/l	95
71) Bromoform	12.841	173	521	0.452	ug/l #	1
76) 1,2,3-Trichloropropane	12.847	75	60063	32.972	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.847	75	60063	86.356	ug/l #	9

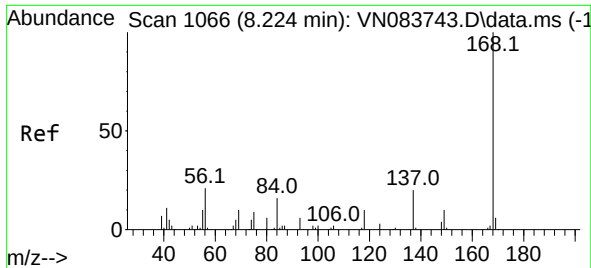
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Time: Sep 25 01:37:06 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

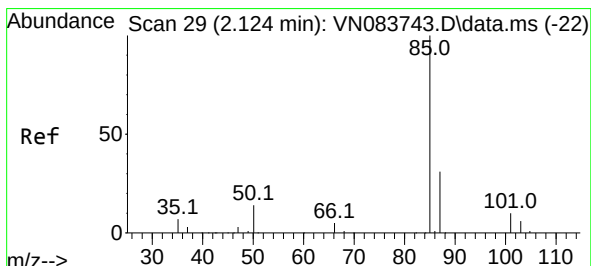
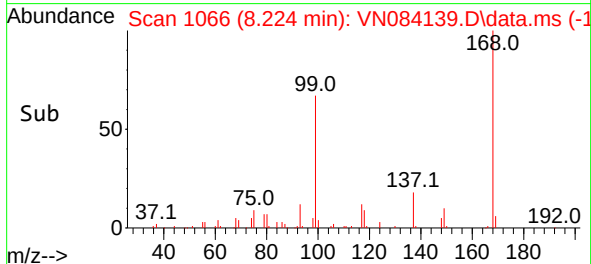
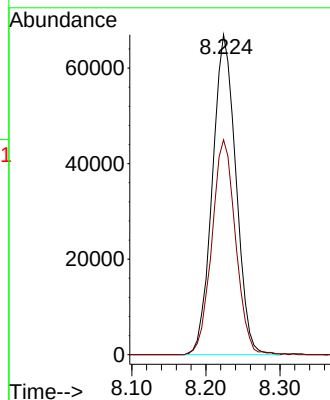
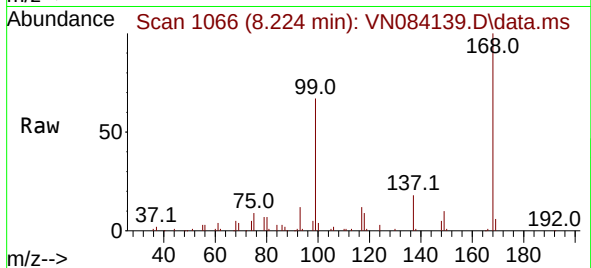




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. -0.000 min
Lab File: VN084139.D
Acq: 24 Sep 2024 17:07

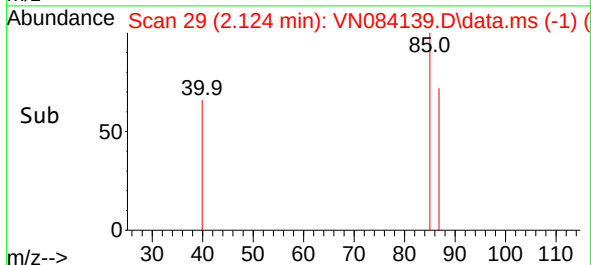
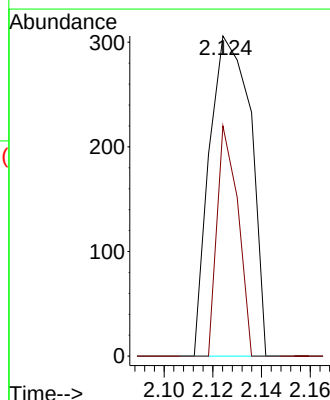
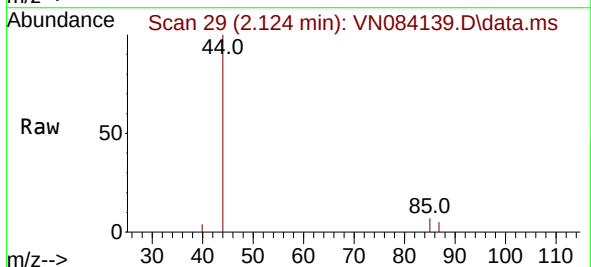
Instrument :
MSVOA_N
ClientSampleId :

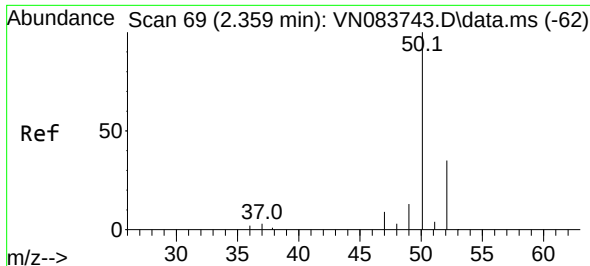
Tgt Ion:168 Resp: 147645
Ion Ratio Lower Upper
168 100
99 67.2 54.2 81.2



#2
Dichlorodifluoromethane
Concen: 0.209 ug/l
RT: 2.124 min Scan# 29
Delta R.T. 0.000 min
Lab File: VN084139.D
Acq: 24 Sep 2024 17:07

Tgt Ion: 85 Resp: 358
Ion Ratio Lower Upper
85 100
87 71.9 15.7 47.0#

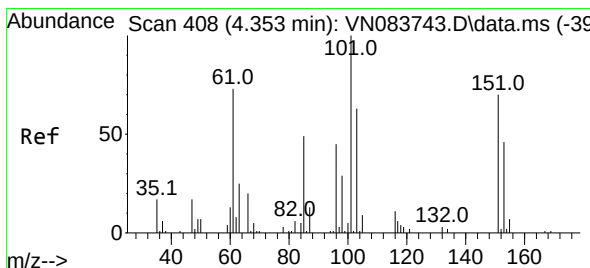
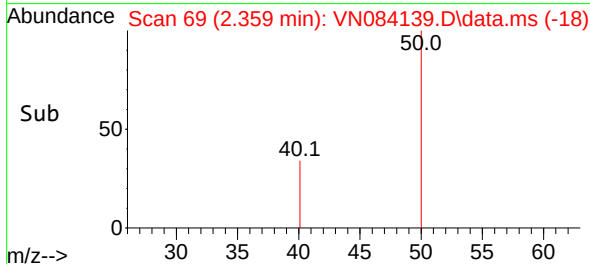
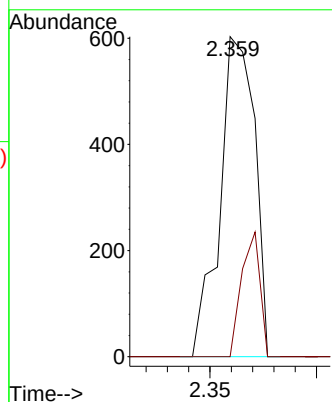
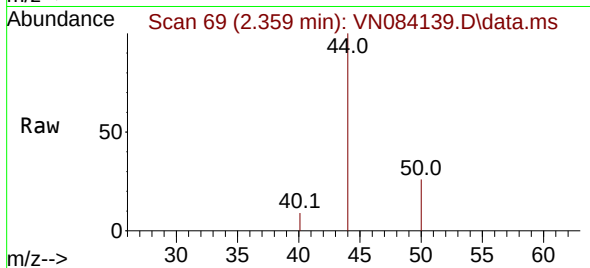




#3
Chloromethane
Concen: Below Cal
RT: 2.359 min Scan# 69
Delta R.T. 0.000 min
Lab File: VN084139.D
Acq: 24 Sep 2024 17:07

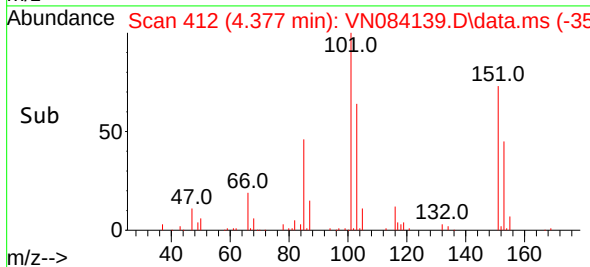
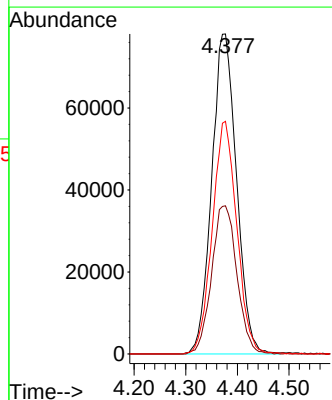
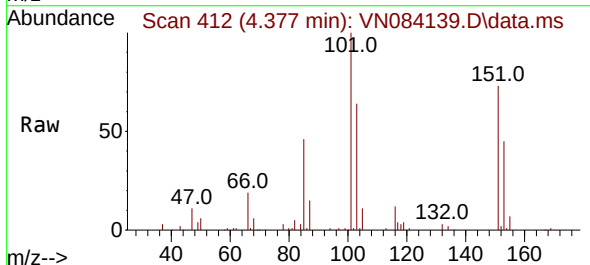
Instrument :
MSVOA_N
ClientSampleId :

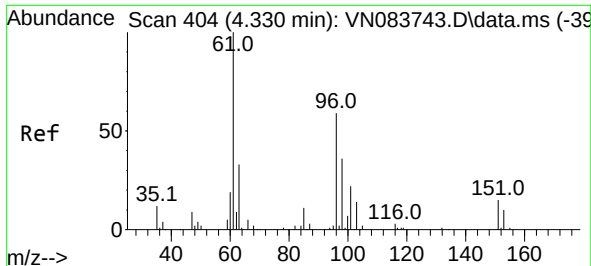
Tgt Ion: 50 Resp: 688
Ion Ratio Lower Upper
50 100
52 0.0 27.2 40.8#



#9
1,1,2-Trichlorotrifluoroethane
Concen: 153.800 ug/l
RT: 4.377 min Scan# 412
Delta R.T. 0.024 min
Lab File: VN084139.D
Acq: 24 Sep 2024 17:07

Tgt Ion:101 Resp: 260068
Ion Ratio Lower Upper
101 100
85 47.3 36.2 54.4
151 72.0 57.7 86.5

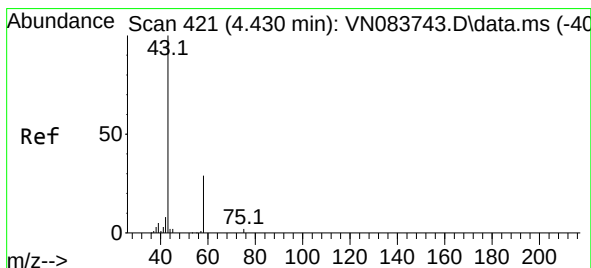
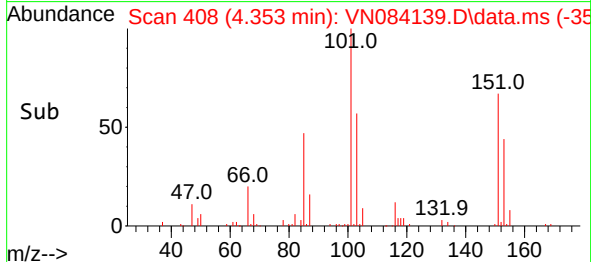
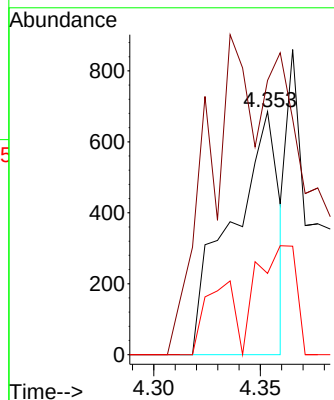
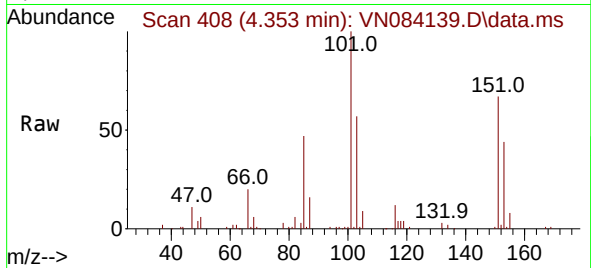




#12
 1,1-Dichloroethene
 Concen: 0.668 ug/l
 RT: 4.353 min Scan# 408
 Delta R.T. 0.024 min
 Lab File: VN084139.D
 Acq: 24 Sep 2024 17:07

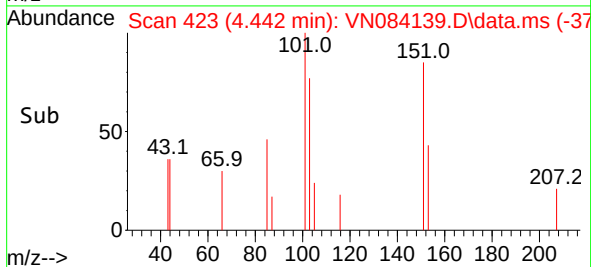
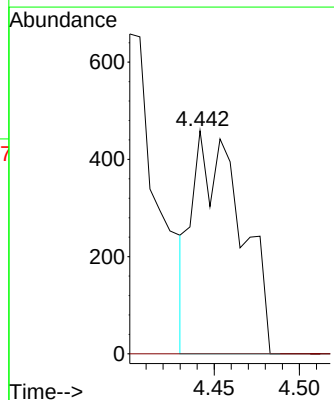
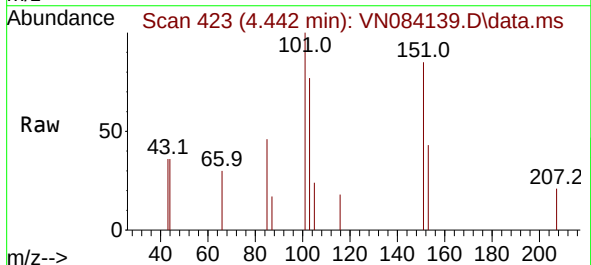
Instrument :
 MSVOA_N
 ClientSampleId :

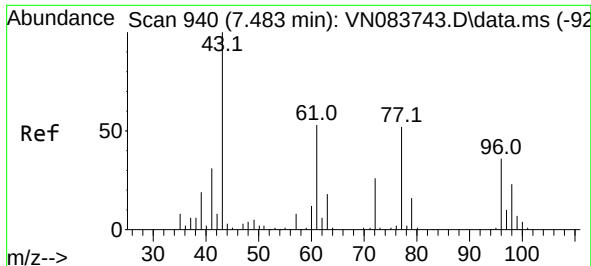
Tgt Ion: 96 Resp: 1066
 Ion Ratio Lower Upper
 96 100
 61 90.7 143.4 215.0#
 98 33.4 52.7 79.1#



#16
 Acetone
 Concen: 1.013 ug/l
 RT: 4.442 min Scan# 423
 Delta R.T. 0.012 min
 Lab File: VN084139.D
 Acq: 24 Sep 2024 17:07

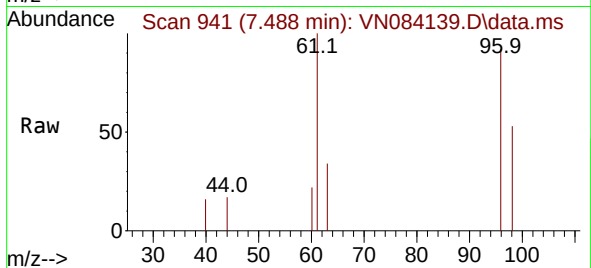
Tgt Ion: 43 Resp: 904
 Ion Ratio Lower Upper
 43 100
 58 0.0 23.7 35.5#



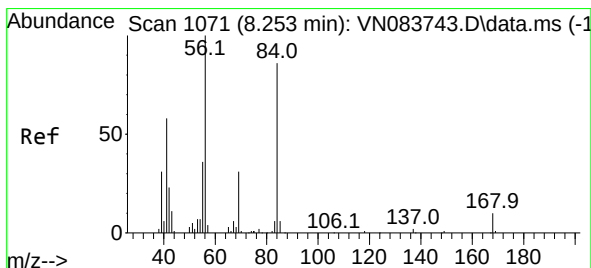
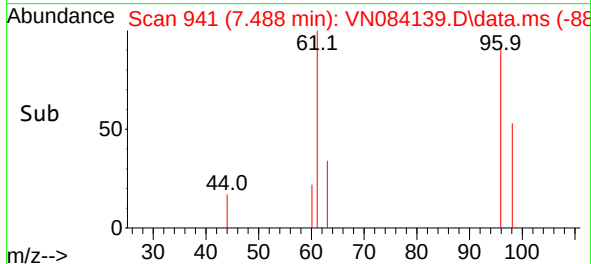
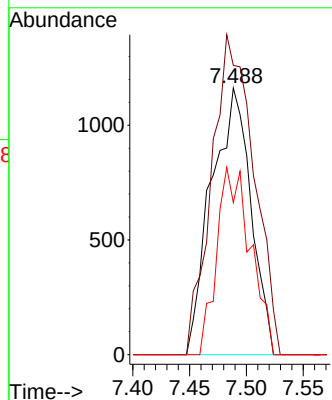


#27
 cis-1,2-Dichloroethene
 Concen: 1.380 ug/l
 RT: 7.488 min Scan# 941
 Delta R.T. 0.006 min
 Lab File: VN084139.D
 Acq: 24 Sep 2024 17:07

Instrument :
 MSVOA_N
 ClientSampleId :

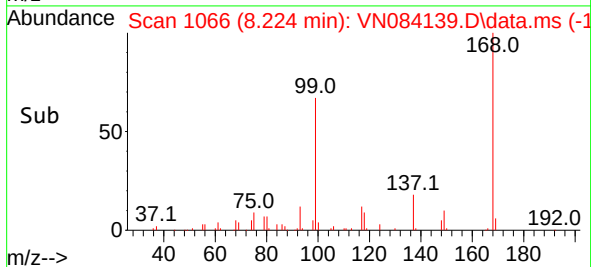
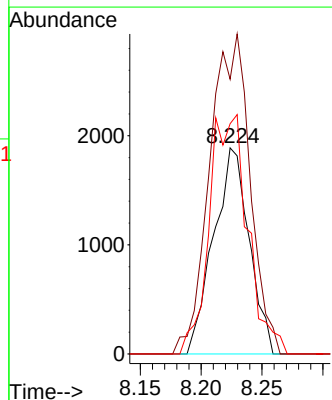
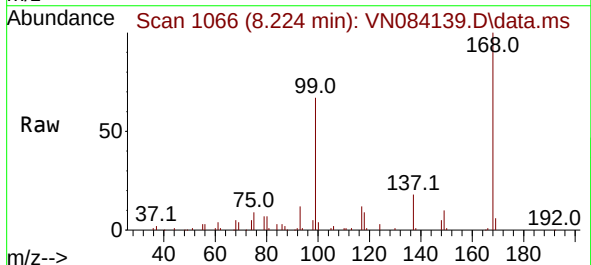


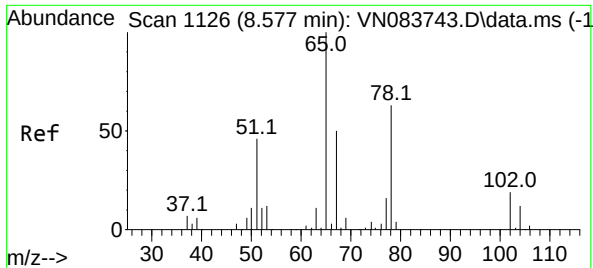
Tgt Ion:	96	Resp:	2804
Ion	Ratio	Lower	Upper
96	100		
61	128.5	0.0	306.2
98	59.9	0.0	128.6



#31
 Cyclohexane
 Concen: 1.191 ug/l
 RT: 8.224 min Scan# 1066
 Delta R.T. -0.029 min
 Lab File: VN084139.D
 Acq: 24 Sep 2024 17:07

Tgt Ion:	56	Resp:	3832
Ion	Ratio	Lower	Upper
56	100		
69	133.3	26.9	40.3#
84	111.7	69.2	103.8#





#33

1,2-Dichloroethane-d4

Concen: 52.377 ug/l

RT: 8.577 min Scan# 1126

Delta R.T. 0.000 min

Lab File: VN084139.D

Acq: 24 Sep 2024 17:07

Instrument :

MSVOA_N

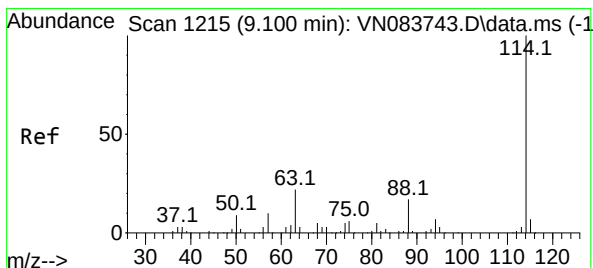
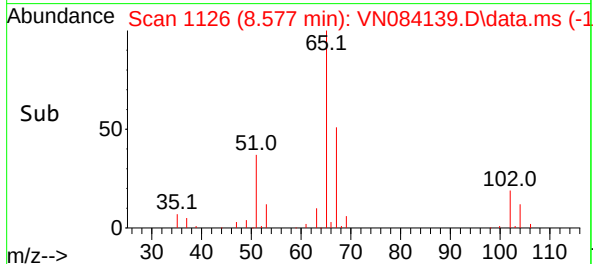
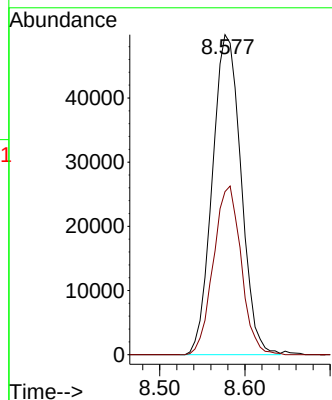
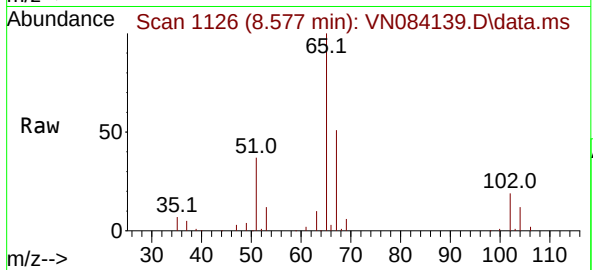
ClientSampleId :

Tgt Ion: 65 Resp: 116605

Ion Ratio Lower Upper

65 100

67 50.8 0.0 100.8



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.106 min Scan# 1216

Delta R.T. 0.006 min

Lab File: VN084139.D

Acq: 24 Sep 2024 17:07

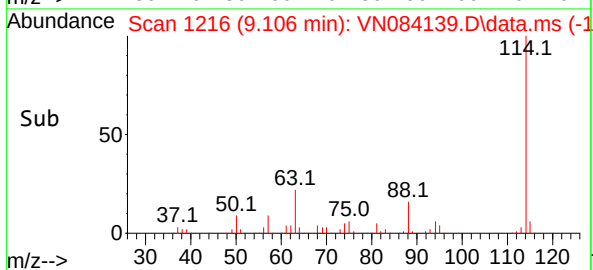
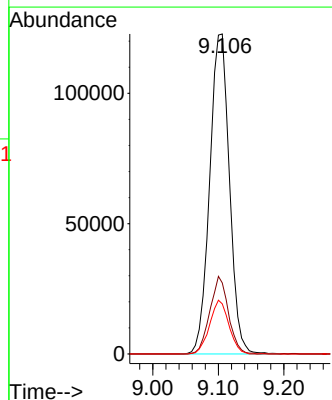
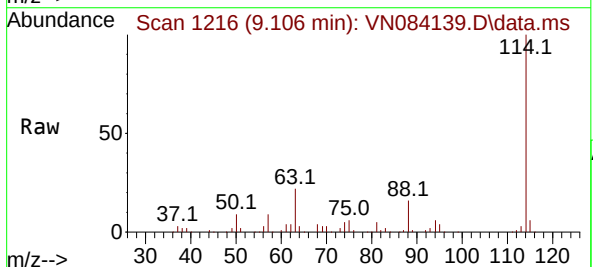
Tgt Ion: 114 Resp: 256724

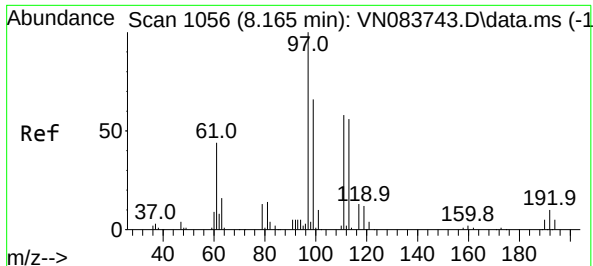
Ion Ratio Lower Upper

114 100

63 22.2 0.0 43.4

88 15.6 0.0 32.6





#35

Dibromofluoromethane

Concen: 52.073 ug/l

RT: 8.165 min Scan# 1056

Delta R.T. 0.000 min

Lab File: VN084139.D

Acq: 24 Sep 2024 17:07

Instrument :

MSVOA_N

ClientSampleId :

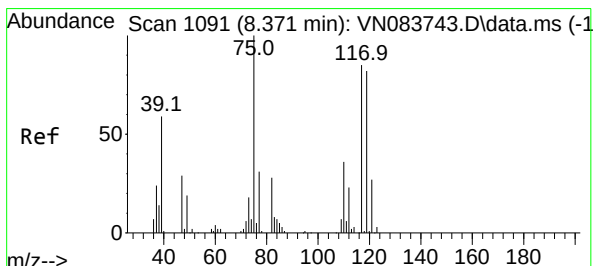
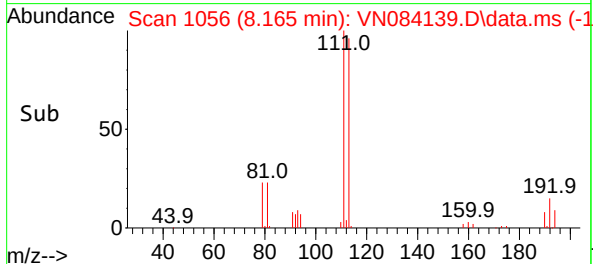
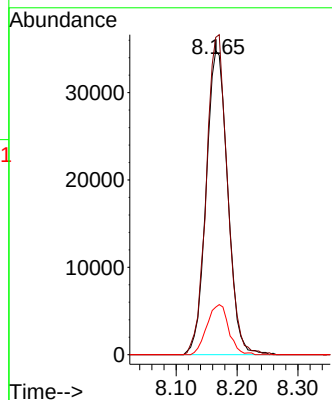
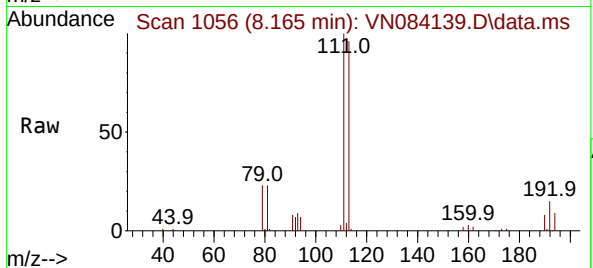
Tgt Ion:113 Resp: 85583

Ion Ratio Lower Upper

113 100

111 103.1 82.6 124.0

192 16.6 14.3 21.5



#36

1,1-Dichloropropene

Concen: 5.567 ug/l

RT: 8.224 min Scan# 1066

Delta R.T. -0.147 min

Lab File: VN084139.D

Acq: 24 Sep 2024 17:07

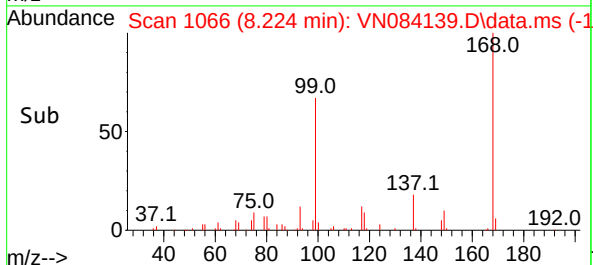
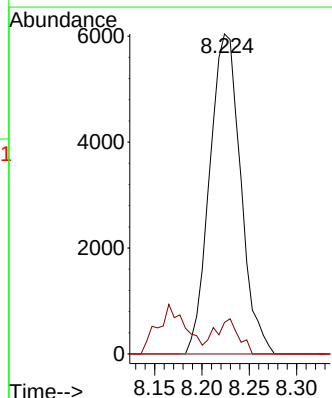
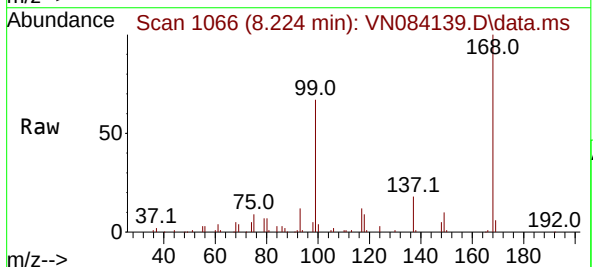
Tgt Ion: 75 Resp: 13772

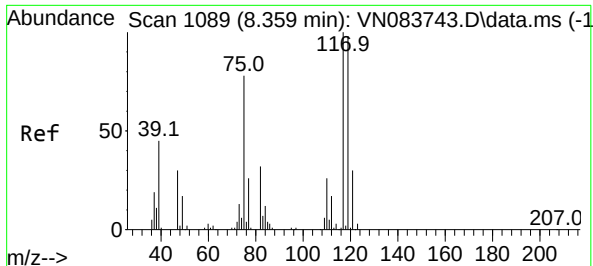
Ion Ratio Lower Upper

75 100

110 8.5 16.7 50.1#

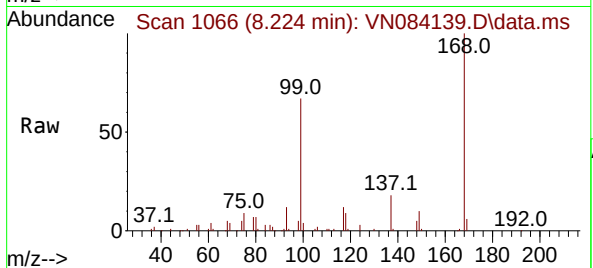
77 0.0 25.2 37.8#



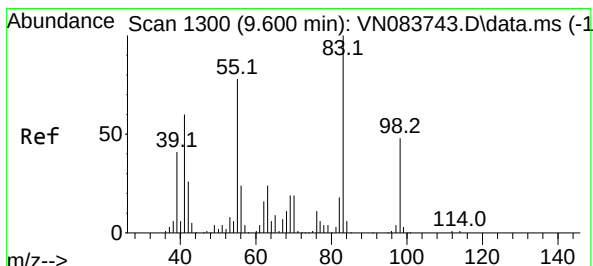
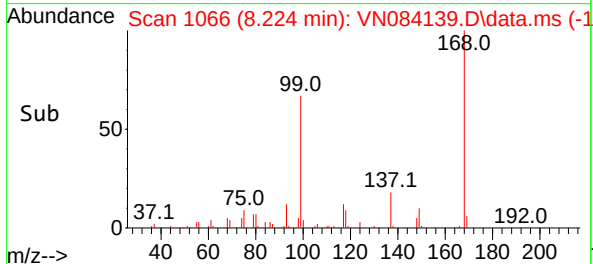
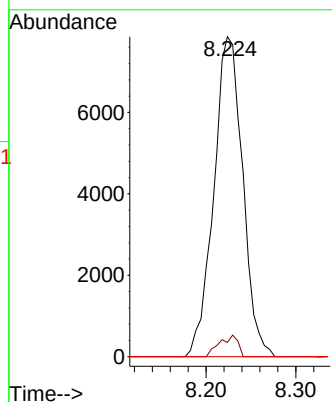


#38
Carbon Tetrachloride
Concen: 6.260 ug/l
RT: 8.224 min Scan# 117
Delta R.T. -0.135 min
Lab File: VN084139.D
Acq: 24 Sep 2024 17:07

Instrument :
MSVOA_N
ClientSampleId :

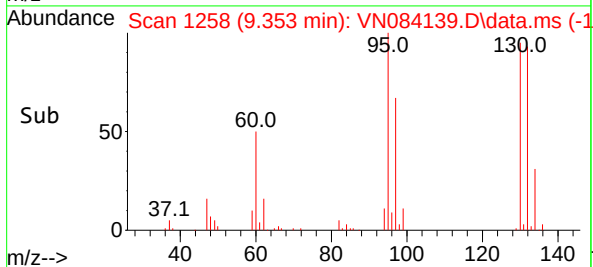
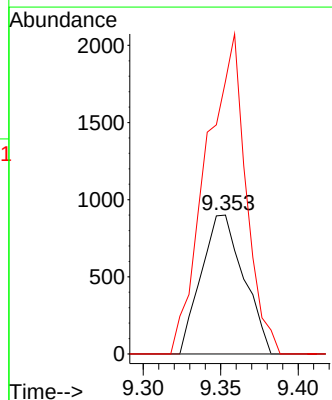
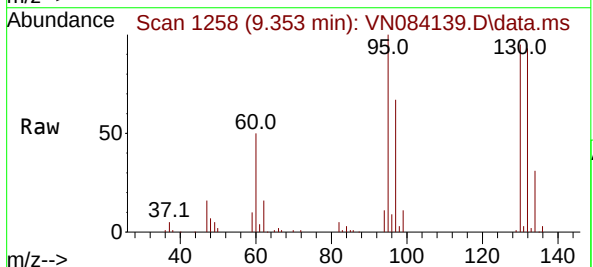


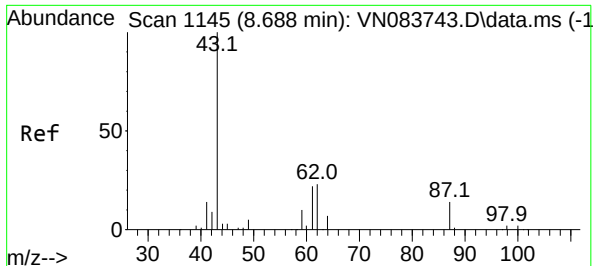
Tgt Ion:117 Resp: 17568
Ion Ratio Lower Upper
117 100
119 4.5 76.1 114.1#
121 0.0 24.1 36.1#



#39
Methylcyclohexane
Concen: 0.610 ug/l
RT: 9.353 min Scan# 1258
Delta R.T. -0.247 min
Lab File: VN084139.D
Acq: 24 Sep 2024 17:07

Tgt Ion: 83 Resp: 1718
Ion Ratio Lower Upper
83 100
55 0.0 62.2 93.4#
98 196.4 37.6 56.4#





#43

Isopropyl Acetate

Concen: 0.316 ug/l

RT: 8.677 min Scan# 1143

Delta R.T. -0.012 min

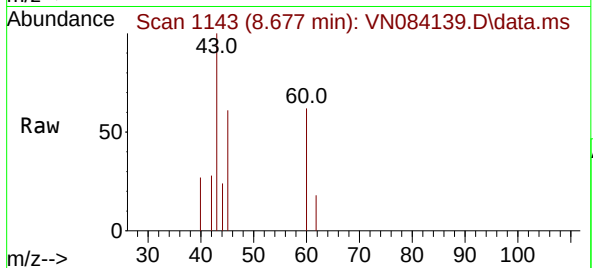
Lab File: VN084139.D

Acq: 24 Sep 2024 17:07

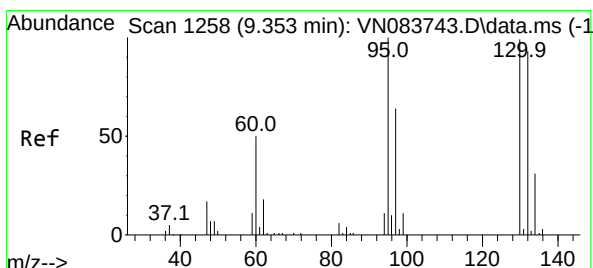
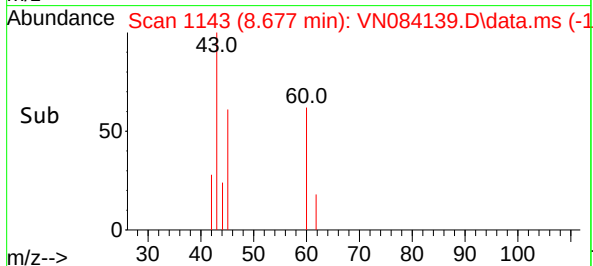
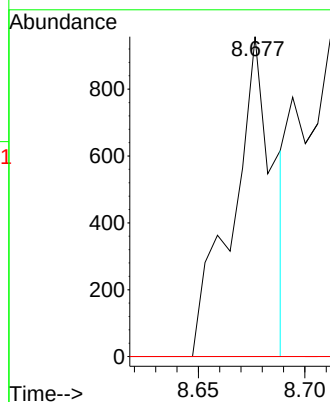
Instrument :

MSVOA_N

ClientSampleId :



Tgt Ion: 43	Resp: 1286
Ion Ratio	Lower Upper
43	100
61	0.0 19.4 29.0#
87	0.0 9.8 14.6#



#44

Trichloroethene

Concen: 72.986 ug/l

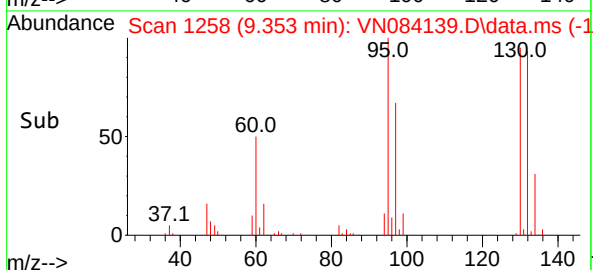
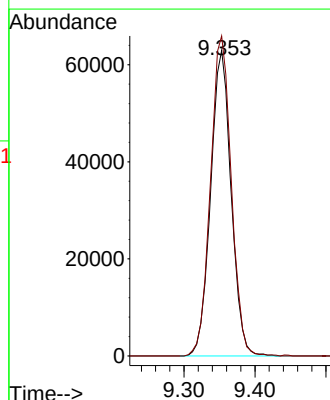
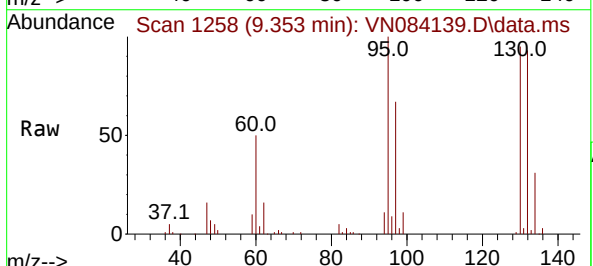
RT: 9.353 min Scan# 1258

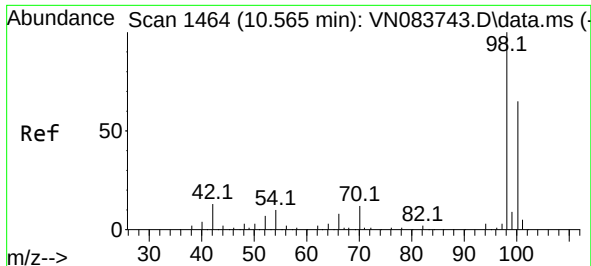
Delta R.T. 0.000 min

Lab File: VN084139.D

Acq: 24 Sep 2024 17:07

Tgt Ion: 130	Resp: 125842
Ion Ratio	Lower Upper
130	100
95	104.8 0.0 200.4

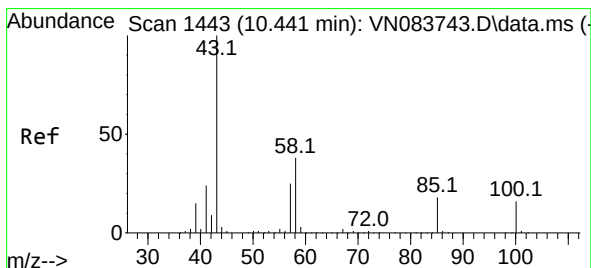
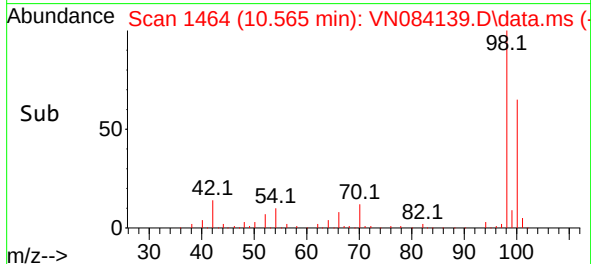
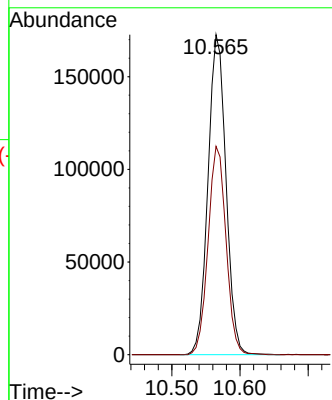
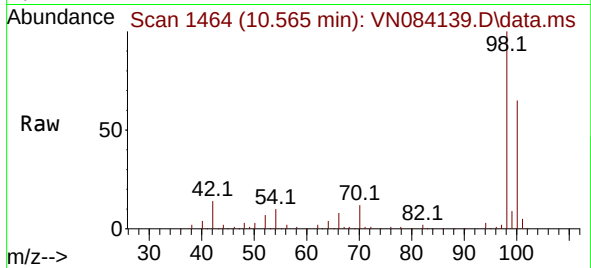




#50
Toluene-d8
Concen: 55.788 ug/l
RT: 10.565 min Scan# 1464
Delta R.T. 0.000 min
Lab File: VN084139.D
Acq: 24 Sep 2024 17:07

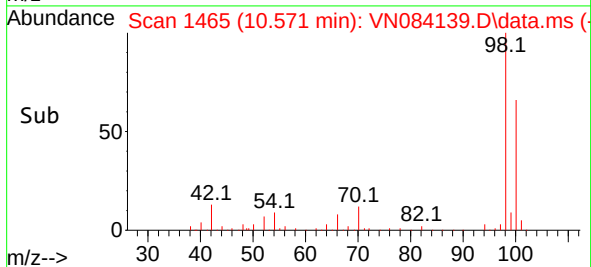
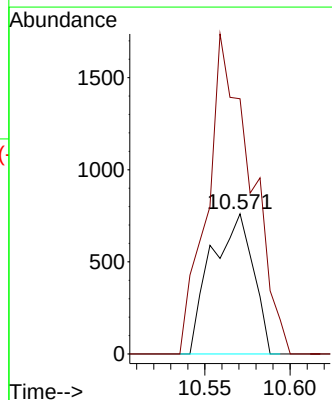
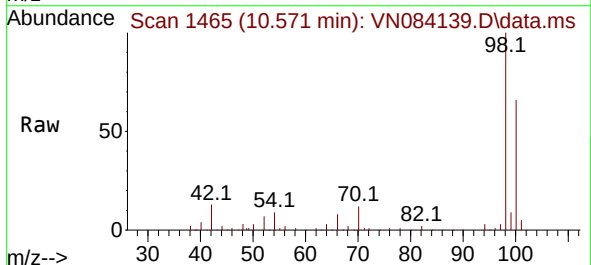
Instrument :
MSVOA_N
ClientSampleId :

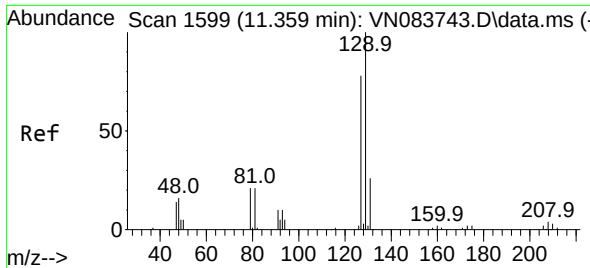
Tgt Ion: 98 Resp: 316974
Ion Ratio Lower Upper
98 100
100 64.8 52.0 78.0



#51
4-Methyl-2-Pentanone
Concen: 0.585 ug/l
RT: 10.571 min Scan# 1465
Delta R.T. 0.129 min
Lab File: VN084139.D
Acq: 24 Sep 2024 17:07

Tgt Ion: 43 Resp: 1296
Ion Ratio Lower Upper
43 100
58 237.3 31.6 47.4#

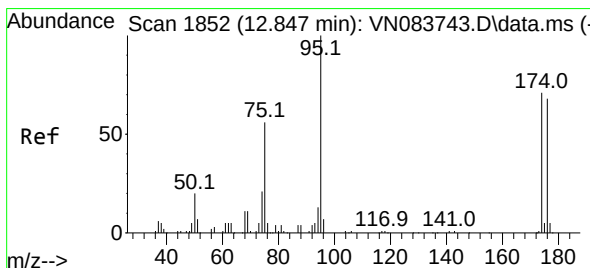
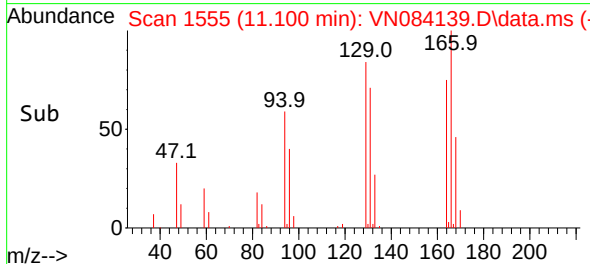
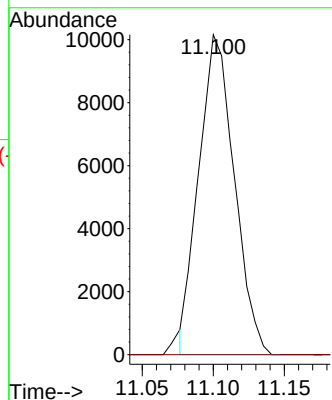
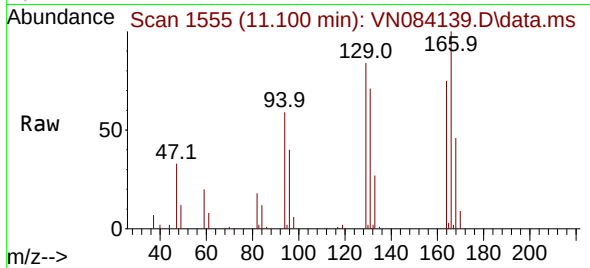




#60
Dibromochloromethane
Concen: 9.290 ug/l
RT: 11.100 min Scan# 11
Delta R.T. -0.259 min
Lab File: VN084139.D
Acq: 24 Sep 2024 17:07

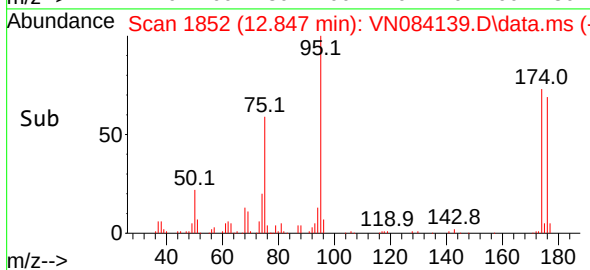
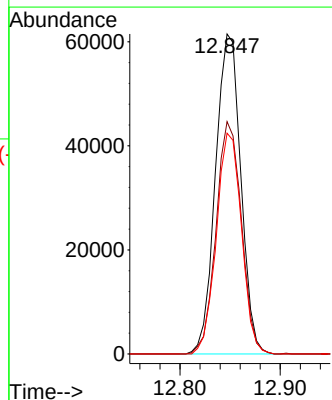
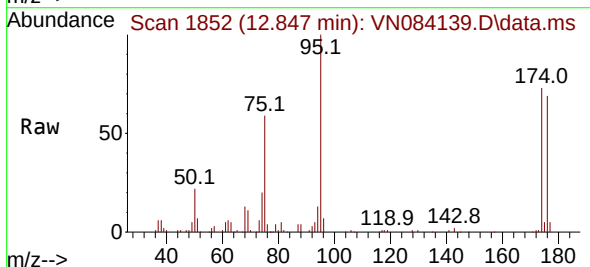
Instrument :
MSVOA_N
ClientSampleId :

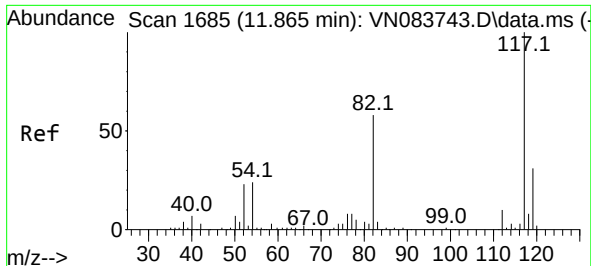
Tgt Ion:129 Resp: 17678
Ion Ratio Lower Upper
129 100
127 0.0 39.0 116.9#



#62
4-Bromofluorobenzene
Concen: 46.009 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. 0.000 min
Lab File: VN084139.D
Acq: 24 Sep 2024 17:07

Tgt Ion: 95 Resp: 107851
Ion Ratio Lower Upper
95 100
174 72.5 0.0 139.8
176 68.5 0.0 131.4

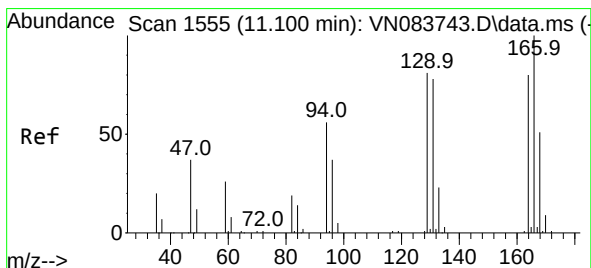
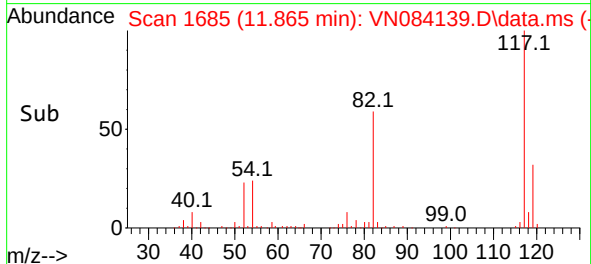
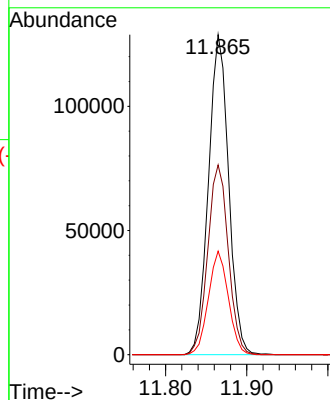
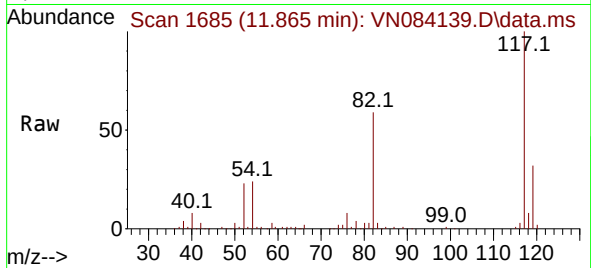




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 117
Delta R.T. 0.000 min
Lab File: VN084139.D
Acq: 24 Sep 2024 17:07

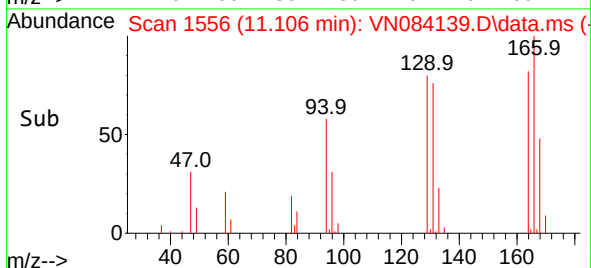
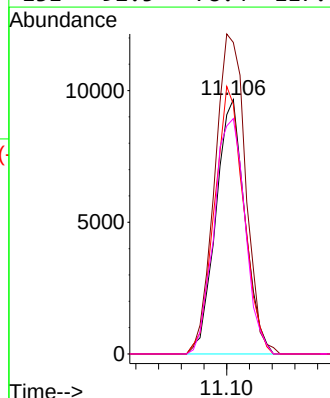
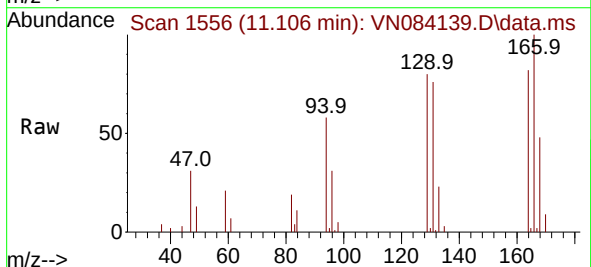
Instrument :
MSVOA_N
ClientSampleId :

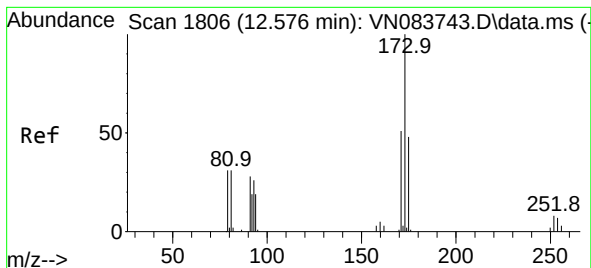
Tgt Ion:117 Resp: 222246
Ion Ratio Lower Upper
117 100
82 59.3 47.4 71.0
119 32.4 26.3 39.5



#64
Tetrachloroethene
Concen: 11.652 ug/l
RT: 11.106 min Scan# 1556
Delta R.T. 0.006 min
Lab File: VN084139.D
Acq: 24 Sep 2024 17:07

Tgt Ion:164 Resp: 17221
Ion Ratio Lower Upper
164 100
166 122.5 103.7 155.5
129 98.2 79.9 119.9
131 92.5 78.4 117.6





#71

Bromoform

Concen: 0.452 ug/l

RT: 12.841 min Scan# 1806

Delta R.T. 0.265 min

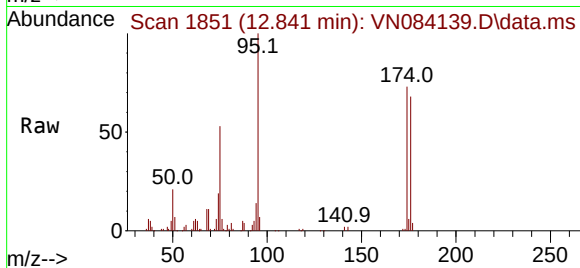
Lab File: VN084139.D

Acq: 24 Sep 2024 17:07

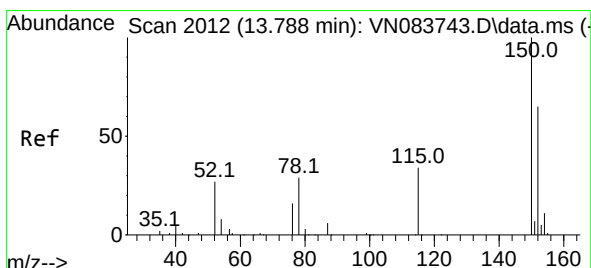
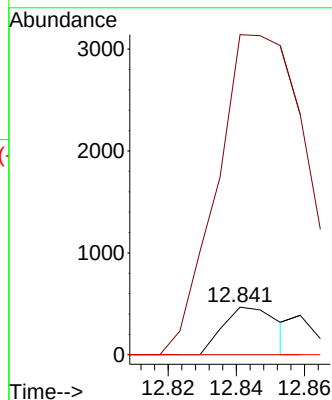
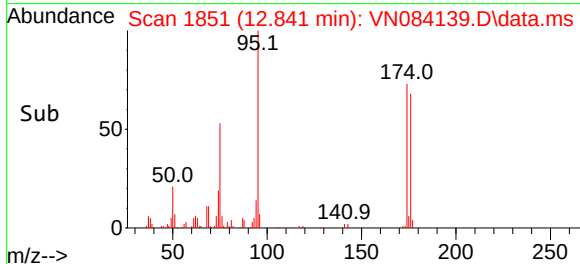
Instrument :

MSVOA_N

ClientSampleId :



Tgt Ion:	173	Resp:	521
Ion Ratio	Lower	Upper	
173	100		
175	833.0	24.1	72.2#
254	0.0	0.0	0.0



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

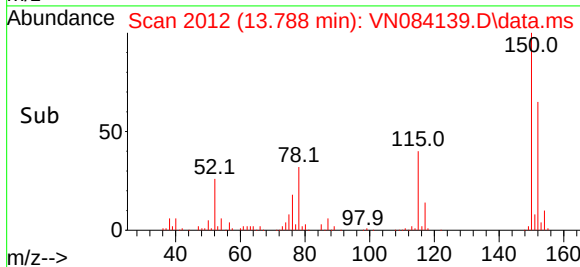
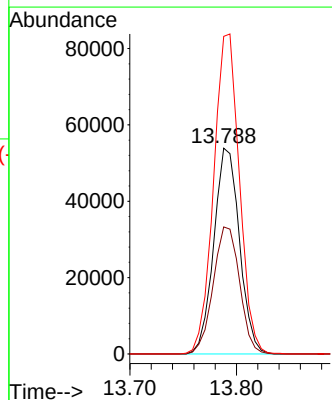
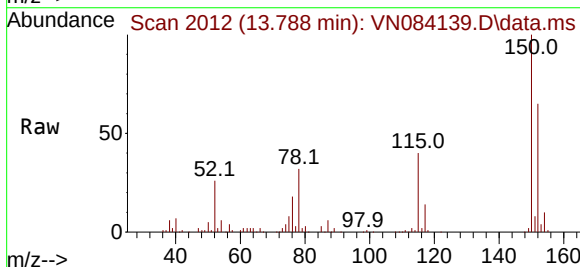
RT: 13.788 min Scan# 1212

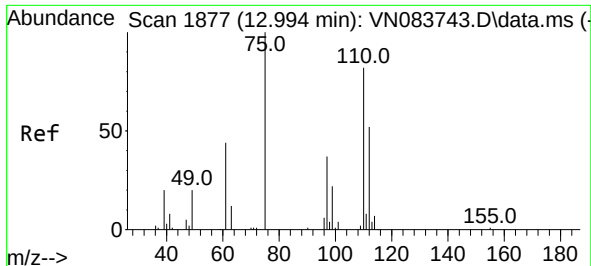
Delta R.T. 0.000 min

Lab File: VN084139.D

Acq: 24 Sep 2024 17:07

Tgt Ion:	152	Resp:	90278
Ion Ratio	Lower	Upper	
152	100		
115	63.4	32.2	96.6
150	155.9	0.0	348.6

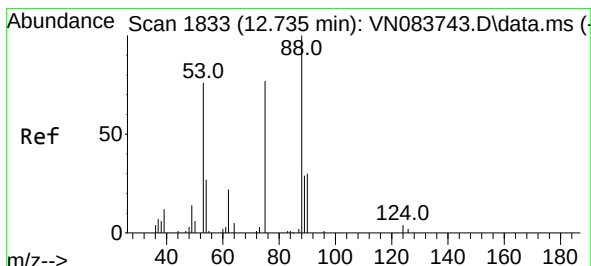
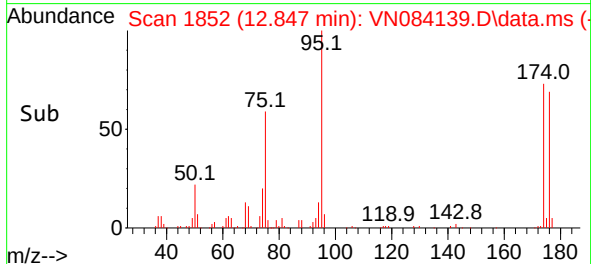
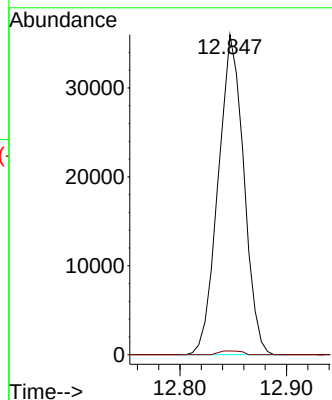
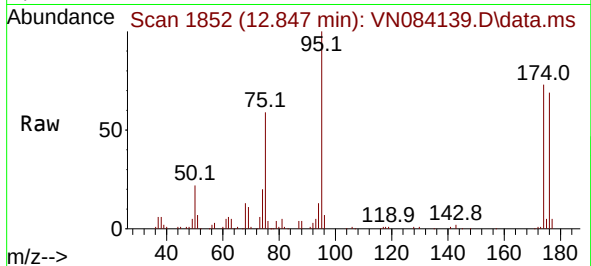




#76
1,2,3-Trichloropropane
Concen: 32.972 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.147 min
Lab File: VN084139.D
Acq: 24 Sep 2024 17:07

Instrument :
MSVOA_N
ClientSampleId :

Tgt Ion: 75 Resp: 60063
Ion Ratio Lower Upper
75 100
77 1.0 95.2 285.6#



#81
trans-1,4-Dichloro-2-butene
Concen: 86.356 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. 0.112 min
Lab File: VN084139.D
Acq: 24 Sep 2024 17:07

Tgt Ion: 75 Resp: 60063
Ion Ratio Lower Upper
75 100
53 0.0 81.2 121.8#
89 0.0 35.7 53.5#

