

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN091924\
 Data File : VN084044.D
 Acq On : 19 Sep 2024 19:17
 Operator : JC\MD
 Sample : P4003-09
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Sep 20 01:36:09 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

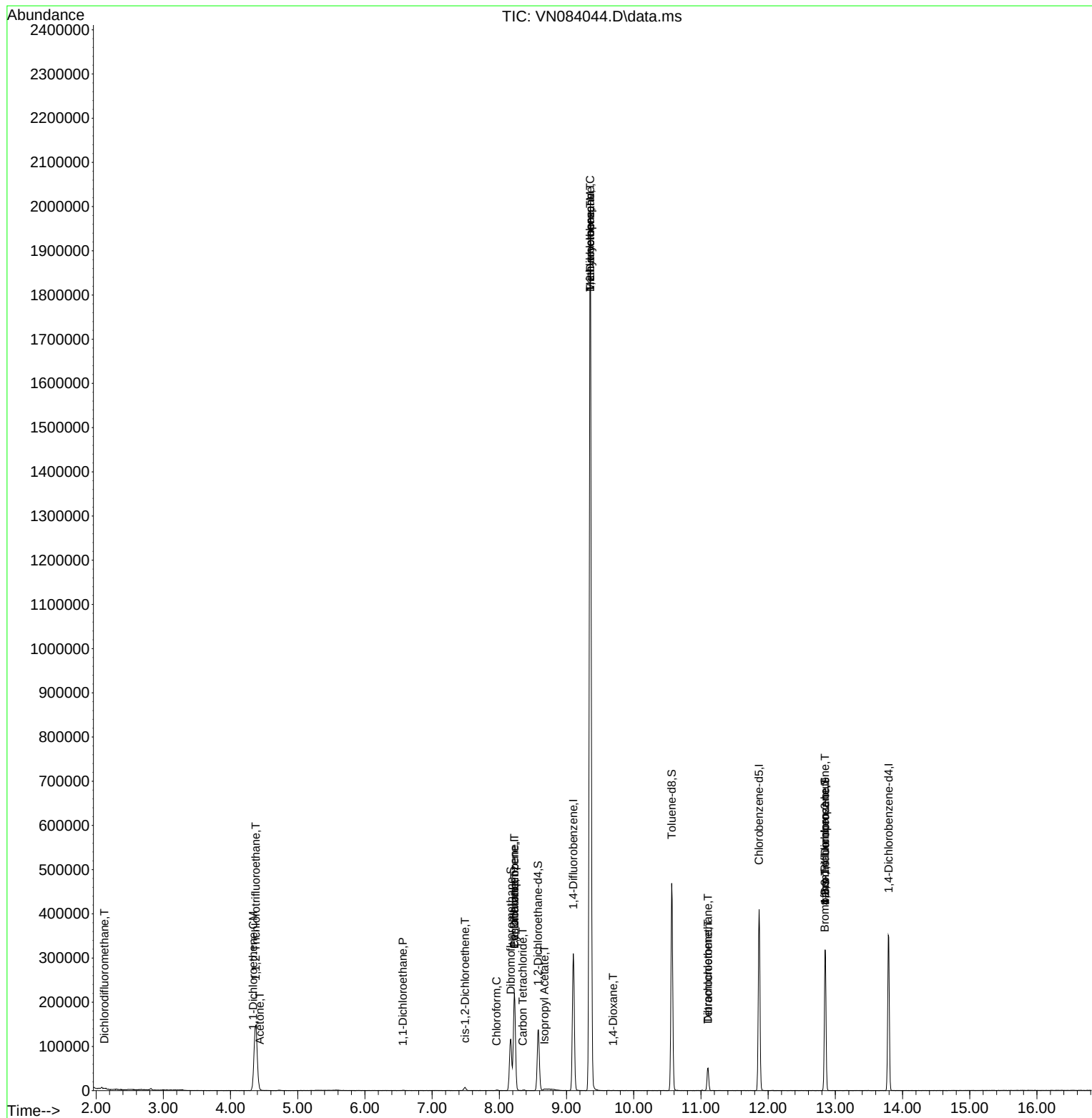
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	8.224	168	148695	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	253486	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	218147	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	88945	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.577	65	115782	51.640	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	= 103.280%	
35) Dibromofluoromethane	8.171	113	82772	51.006	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 102.020%	
50) Toluene-d8	10.565	98	309570	55.181	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	= 110.360%	
62) 4-Bromofluorobenzene	12.847	95	108837	47.023	ug/l	0.00
Spiked Amount	50.000	Range	77 - 121	Recovery	= 94.040%	
Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.124	85	555	0.321	ug/l #	43
3) Chloromethane	2.365	50	599	Below Cal	#	41
9) 1,1,2-Trichlorotrifluo...	4.377	101	102957	60.457	ug/l	99
12) 1,1-Dichloroethene	4.336	96	1102	0.685	ug/l #	63
16) Acetone	4.436	43	1038	1.155	ug/l #	45
18) Methyl Acetate	5.024	43	56	Below Cal	#	52
24) 1,1-Dichloroethane	6.565	63	1005	0.296	ug/l #	82
27) cis-1,2-Dichloroethene	7.489	96	3971	1.941	ug/l	87
30) Chloroform	7.959	83	1694	0.469	ug/l #	71
31) Cyclohexane	8.224	56	3998	1.234	ug/l #	1
36) 1,1-Dichloropropene	8.224	75	13438	5.502	ug/l #	51
38) Carbon Tetrachloride	8.347	117	1317	0.475	ug/l #	68
39) Methylcyclohexane	9.353	83	9524	3.426	ug/l #	1
43) Isopropyl Acetate	8.671	43	3303	0.822	ug/l #	57
44) Trichloroethene	9.353	130	666147	391.286	ug/l	91
45) 1,2-Dichloropropane	9.353	63	2625	1.477	ug/l #	1
49) 1,4-Dioxane	9.694	88	303	9.663	ug/l #	98
60) Dibromochloromethane	11.106	129	11200	5.961	ug/l #	10
64) Tetrachloroethene	11.106	164	11127	7.670	ug/l	90
71) Bromoform	12.841	173	800	0.706	ug/l #	1
76) 1,2,3-Trichloropropane	12.847	75	62702	34.937	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.847	75	62702	91.502	ug/l #	9

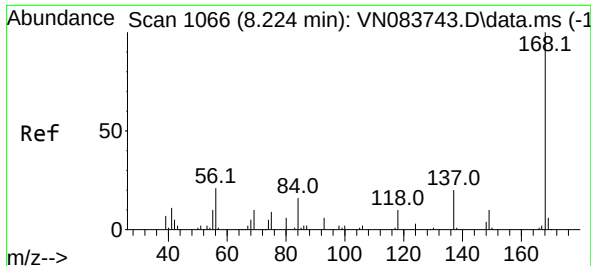
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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ClientSampleId :

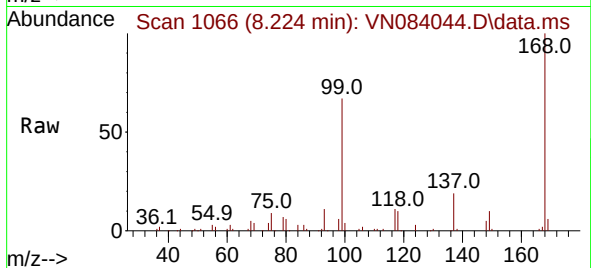
Quant Time: Sep 20 01:36:09 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N091024W.M
Quant Title : SW846 8260
QLast Update : Wed Sep 11 15:18:56 2024
Response via : Initial Calibration



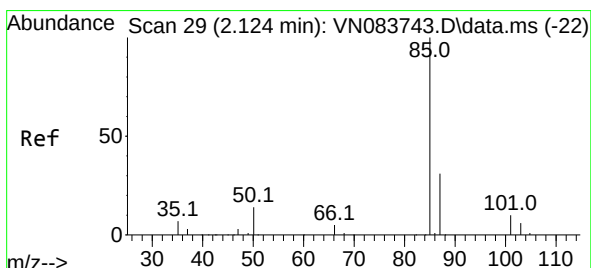
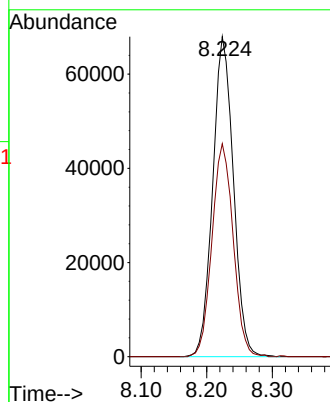
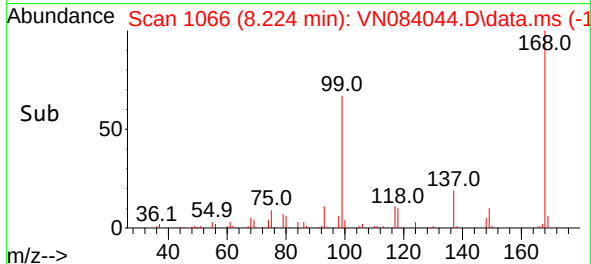


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. -0.000 min
Lab File: VN084044.D
Acq: 19 Sep 2024 19:17

Instrument :
MSVOA_N
ClientSampleId :

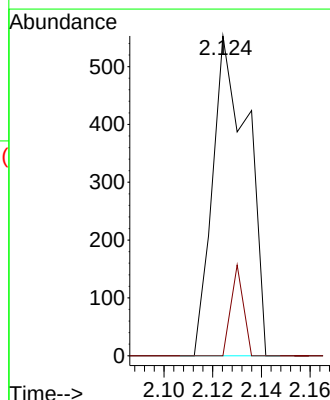
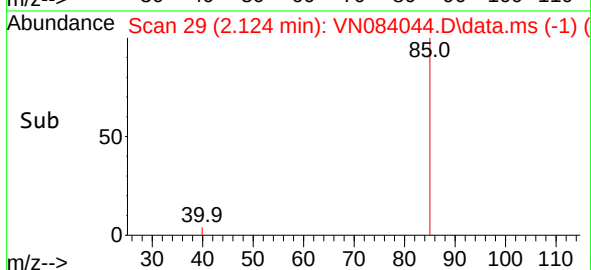
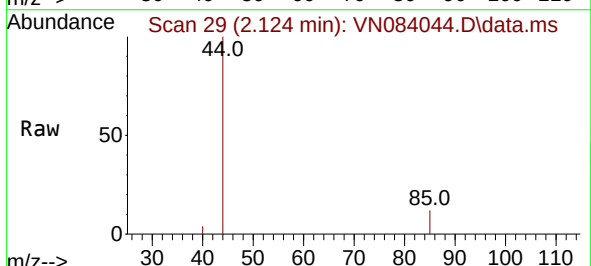


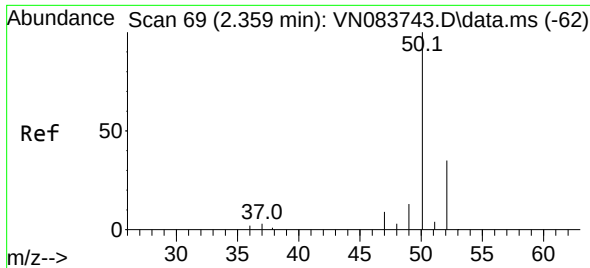
Tgt Ion:168 Resp: 148695
Ion Ratio Lower Upper
168 100
99 66.5 54.2 81.2



#2
Dichlorodifluoromethane
Concen: 0.321 ug/l
RT: 2.124 min Scan# 29
Delta R.T. 0.000 min
Lab File: VN084044.D
Acq: 19 Sep 2024 19:17

Tgt Ion: 85 Resp: 555
Ion Ratio Lower Upper
85 100
87 0.0 15.7 47.0#

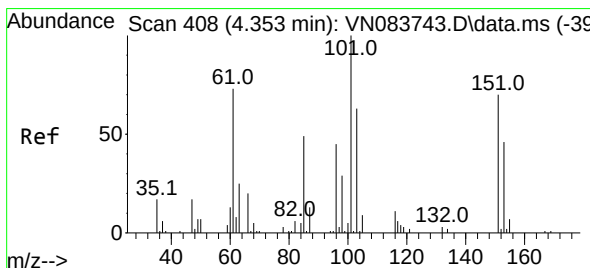
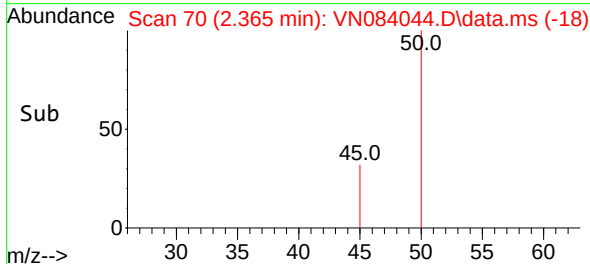
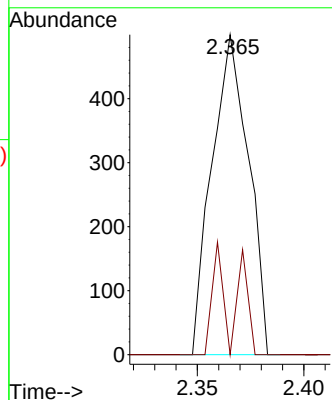
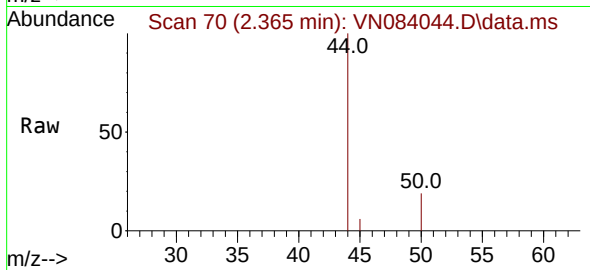




#3
Chloromethane
Concen: Below Cal
RT: 2.365 min Scan# 70
Delta R.T. 0.006 min
Lab File: VN084044.D
Acq: 19 Sep 2024 19:17

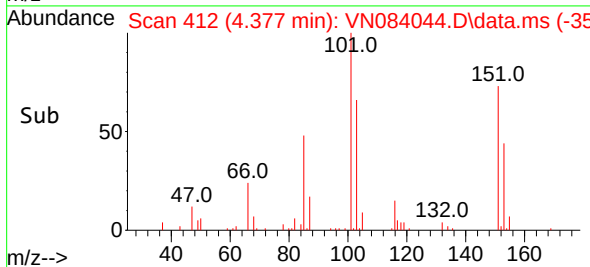
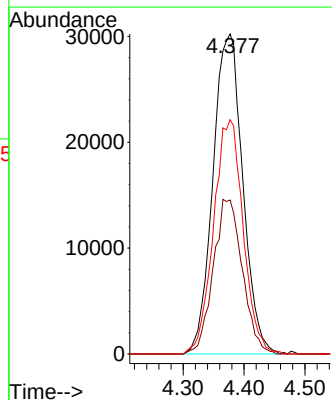
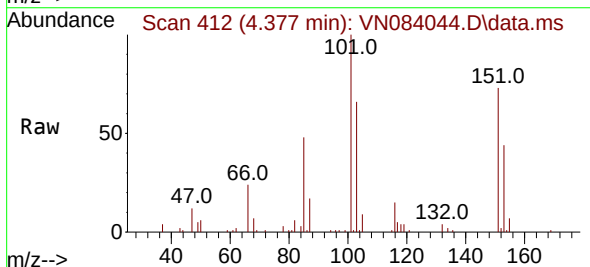
Instrument :
MSVOA_N
ClientSampleId :

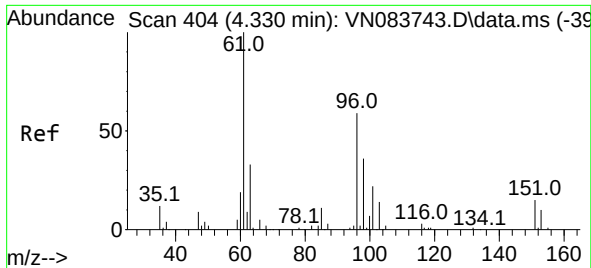
Tgt Ion: 50 Resp: 599
Ion Ratio Lower Upper
50 100
52 0.0 27.2 40.8#



#9
1,1,2-Trichlorotrifluoroethane
Concen: 60.457 ug/l
RT: 4.377 min Scan# 412
Delta R.T. 0.024 min
Lab File: VN084044.D
Acq: 19 Sep 2024 19:17

Tgt Ion:101 Resp: 102957
Ion Ratio Lower Upper
101 100
85 47.2 36.2 54.4
151 72.6 57.7 86.5

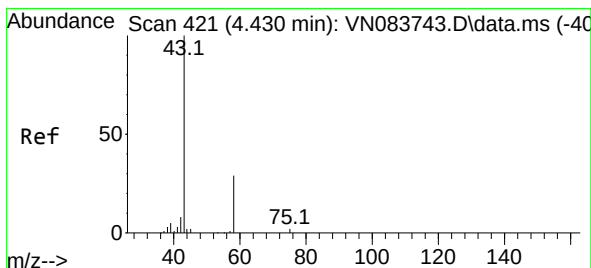
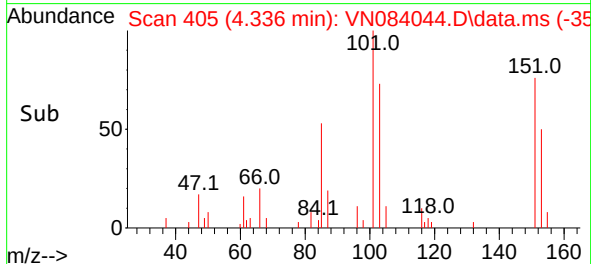
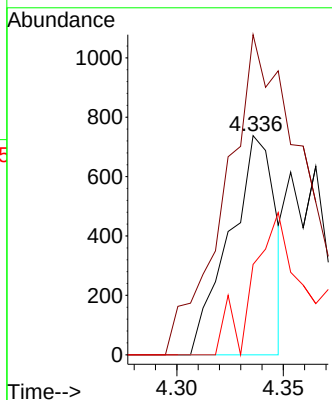
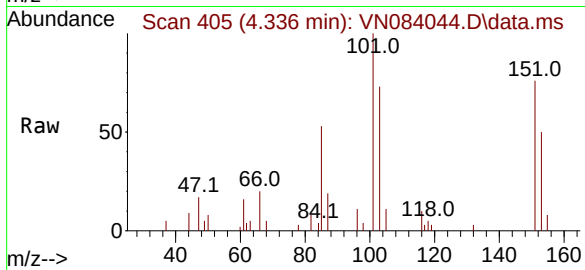




#12
 1,1-Dichloroethene
 Concen: 0.685 ug/l
 RT: 4.336 min Scan# 404
 Delta R.T. 0.006 min
 Lab File: VN084044.D
 Acq: 19 Sep 2024 19:17

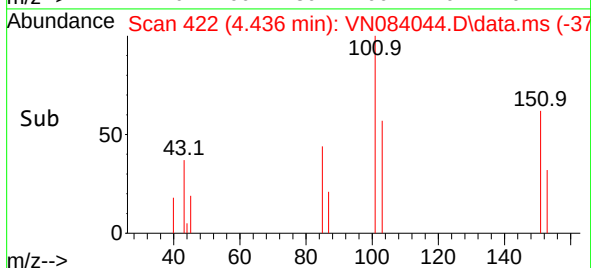
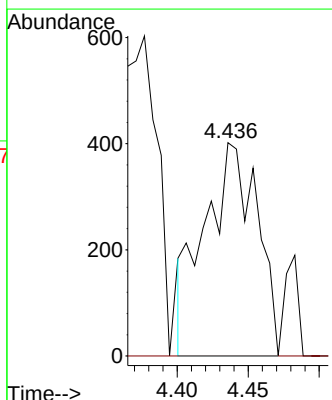
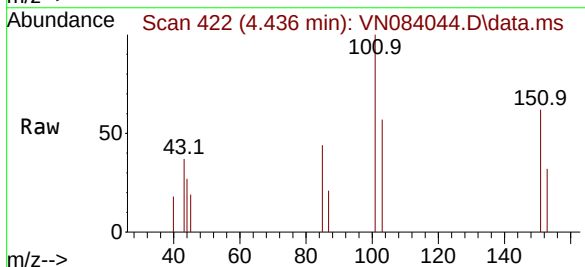
Instrument :
 MSVOA_N
 ClientSampleId :

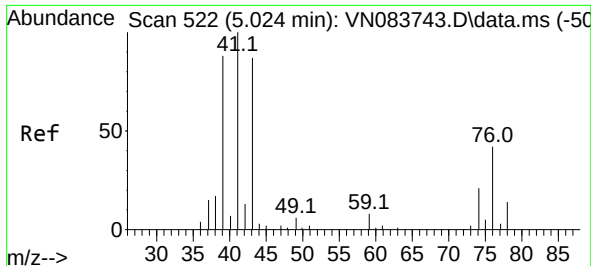
Tgt Ion: 96 Resp: 1102
 Ion Ratio Lower Upper
 96 100
 61 124.0 143.4 215.0#
 98 41.2 52.7 79.1#



#16
 Acetone
 Concen: 1.155 ug/l
 RT: 4.436 min Scan# 422
 Delta R.T. 0.006 min
 Lab File: VN084044.D
 Acq: 19 Sep 2024 19:17

Tgt Ion: 43 Resp: 1038
 Ion Ratio Lower Upper
 43 100
 58 0.0 23.7 35.5#





#18

Methyl Acetate

Concen: Below Cal

RT: 5.024 min Scan# 51

Delta R.T. -0.000 min

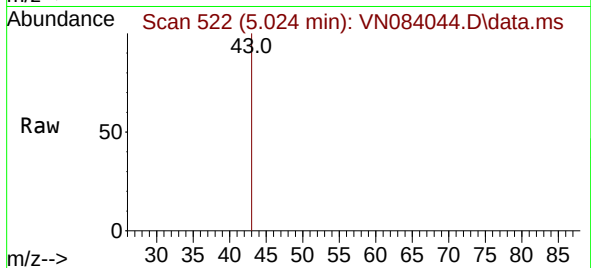
Lab File: VN084044.D

Acq: 19 Sep 2024 19:17

Instrument :

MSVOA_N

ClientSampleId :

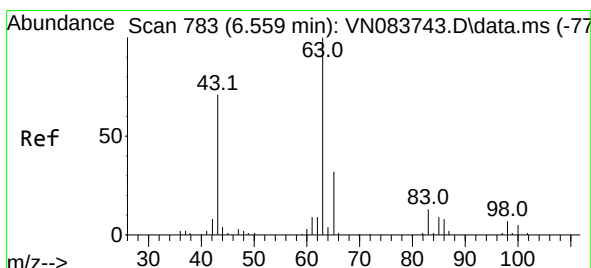
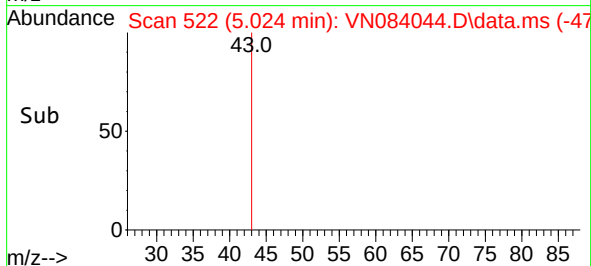
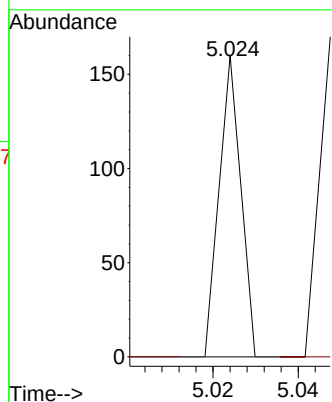


Tgt Ion: 43 Resp: 56

Ion Ratio Lower Upper

43 100

74 0.0 19.0 28.4#



#24

1,1-Dichloroethane

Concen: 0.296 ug/l

RT: 6.565 min Scan# 784

Delta R.T. 0.006 min

Lab File: VN084044.D

Acq: 19 Sep 2024 19:17

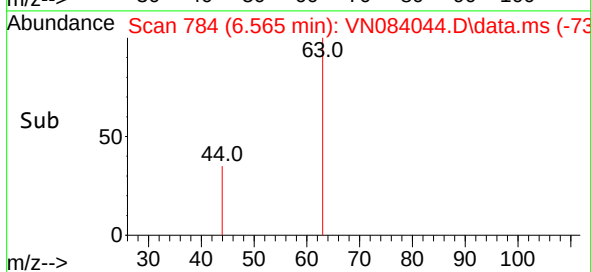
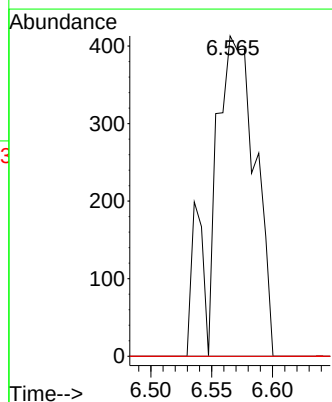
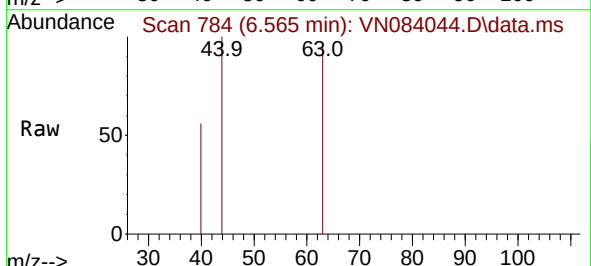
Tgt Ion: 63 Resp: 1005

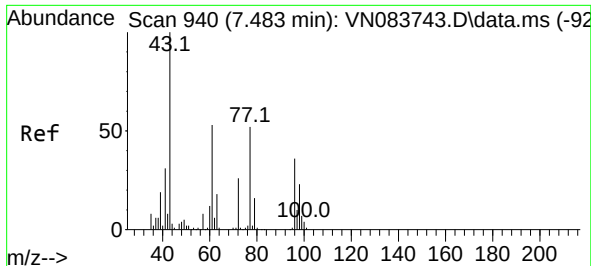
Ion Ratio Lower Upper

63 100

98 0.0 3.5 10.4#

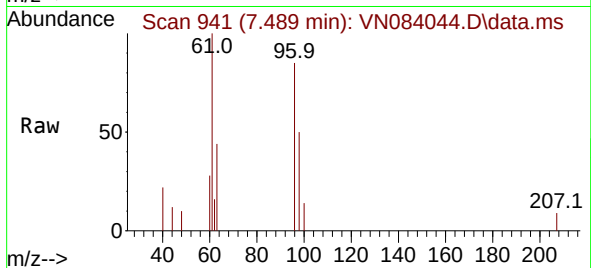
100 0.0 2.5 7.5#



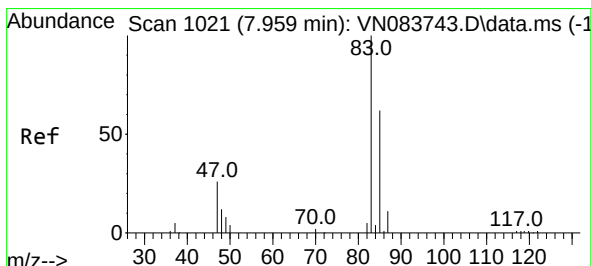
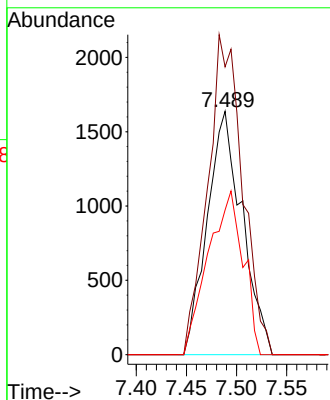
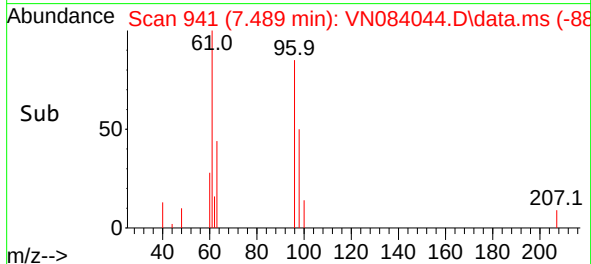


#27
 cis-1,2-Dichloroethene
 Concen: 1.941 ug/l
 RT: 7.489 min Scan# 941
 Delta R.T. 0.006 min
 Lab File: VN084044.D
 Acq: 19 Sep 2024 19:17

Instrument :
 MSVOA_N
 ClientSampleId :

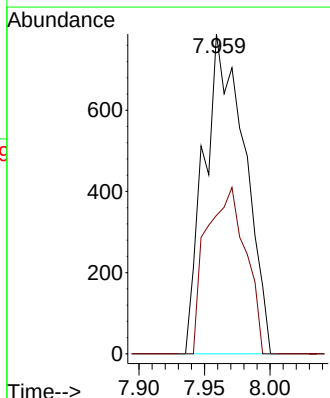
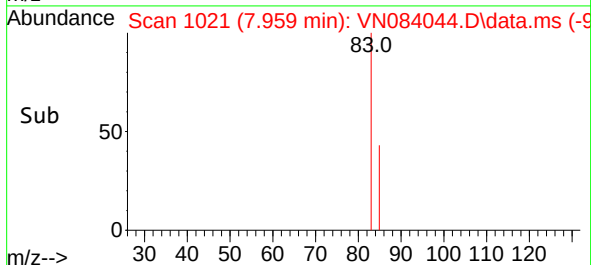
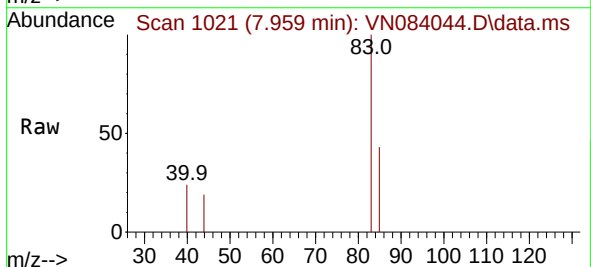


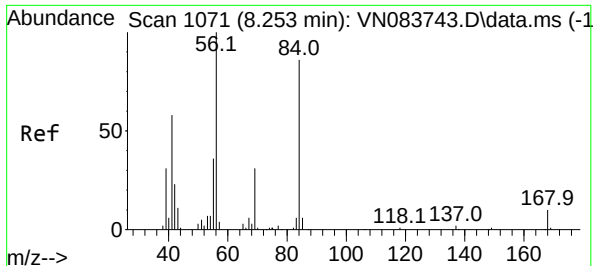
Tgt Ion:	96	Resp:	3971
Ion	Ratio	Lower	Upper
96	100		
61	131.1	0.0	306.2
98	67.6	0.0	128.6



#30
 Chloroform
 Concen: 0.469 ug/l
 RT: 7.959 min Scan# 1021
 Delta R.T. 0.000 min
 Lab File: VN084044.D
 Acq: 19 Sep 2024 19:17

Tgt Ion:	83	Resp:	1694
Ion	Ratio	Lower	Upper
83	100		
85	43.3	52.8	79.2#





#31

Cyclohexane

Concen: 1.234 ug/l

RT: 8.224 min Scan# 1066

Delta R.T. -0.029 min

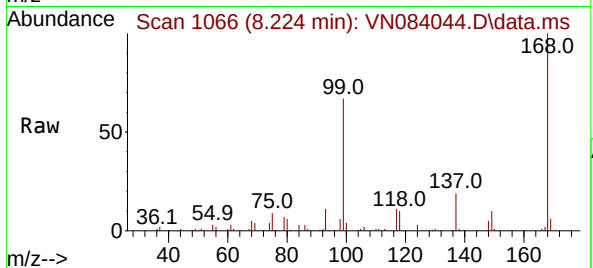
Lab File: VN084044.D

Acq: 19 Sep 2024 19:17

Instrument :

MSVOA_N

ClientSampleId :



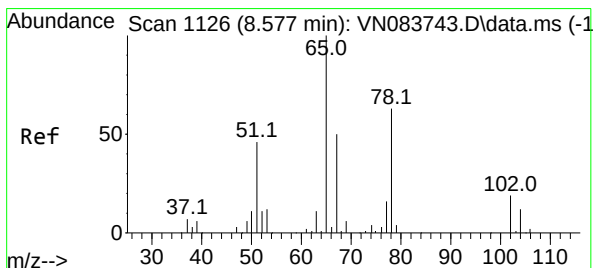
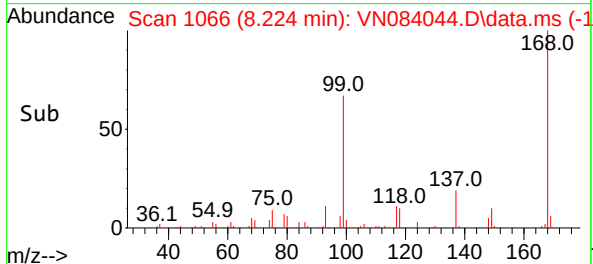
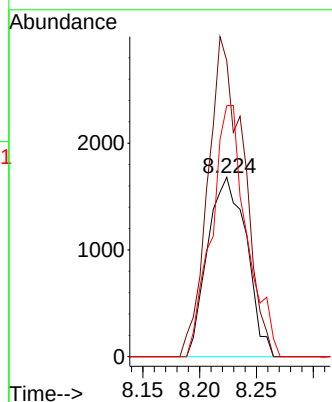
Tgt Ion: 56 Resp: 3998

Ion Ratio Lower Upper

56 100

69 165.1 26.9 40.3#

84 140.0 69.2 103.8#



#33

1,2-Dichloroethane-d4

Concen: 51.640 ug/l

RT: 8.577 min Scan# 1126

Delta R.T. 0.000 min

Lab File: VN084044.D

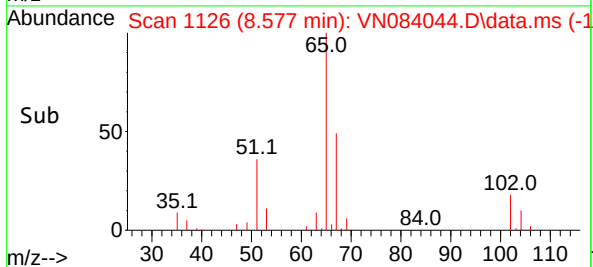
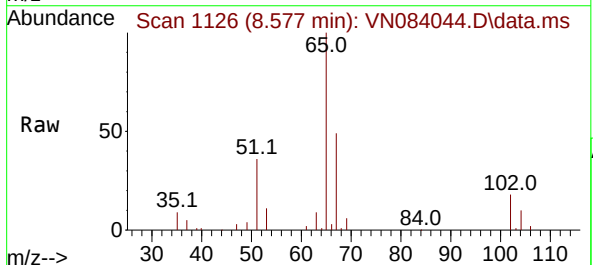
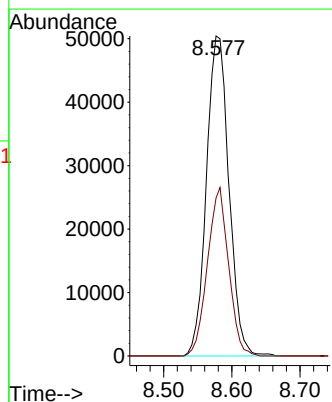
Acq: 19 Sep 2024 19:17

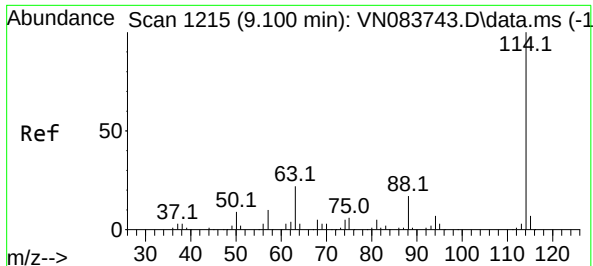
Tgt Ion: 65 Resp: 115782

Ion Ratio Lower Upper

65 100

67 49.6 0.0 100.8





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.100 min Scan# 11

Delta R.T. 0.000 min

Lab File: VN084044.D

Acq: 19 Sep 2024 19:17

Instrument :

MSVOA_N

ClientSampleId :

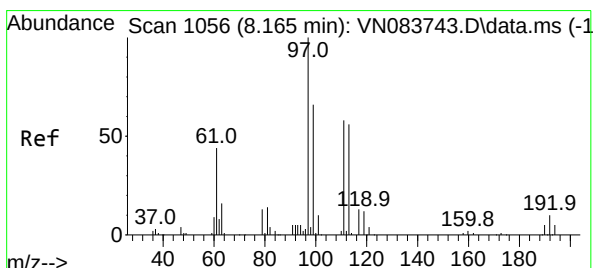
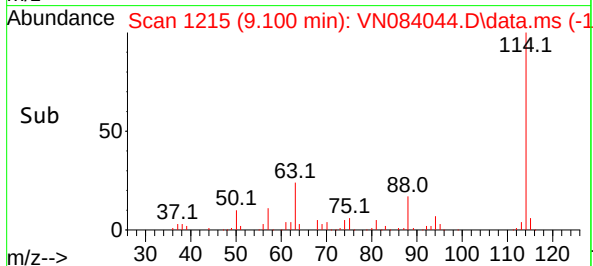
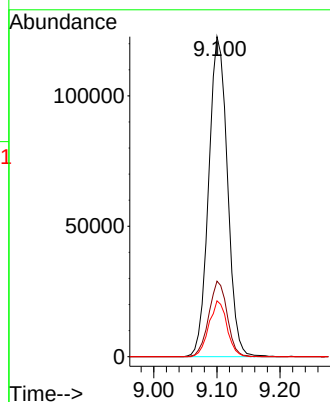
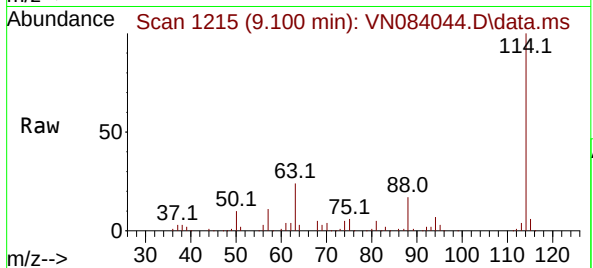
Tgt Ion:114 Resp: 253486

Ion Ratio Lower Upper

114 100

63 23.6 0.0 43.4

88 17.4 0.0 32.6



#35

Dibromofluoromethane

Concen: 51.006 ug/l

RT: 8.171 min Scan# 1057

Delta R.T. 0.006 min

Lab File: VN084044.D

Acq: 19 Sep 2024 19:17

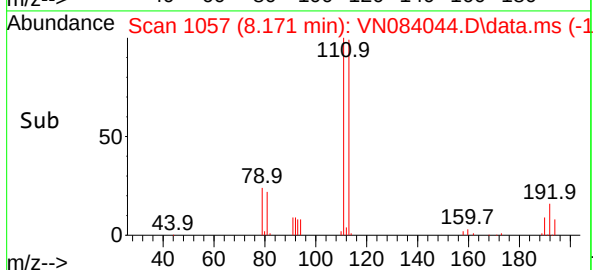
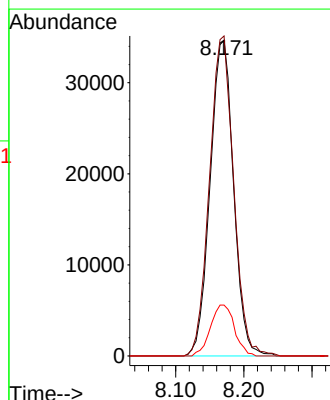
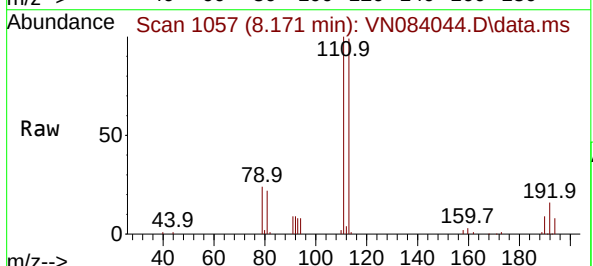
Tgt Ion:113 Resp: 82772

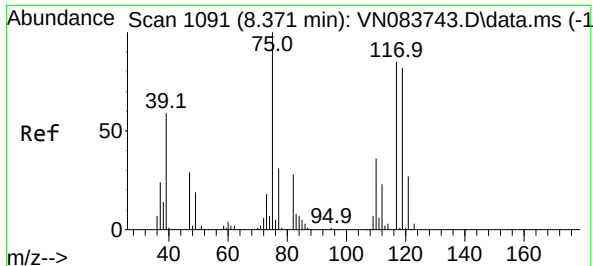
Ion Ratio Lower Upper

113 100

111 104.3 82.6 124.0

192 16.5 14.3 21.5





#36

1,1-Dichloropropene

Concen: 5.502 ug/l

RT: 8.224 min Scan# 1066

Delta R.T. -0.147 min

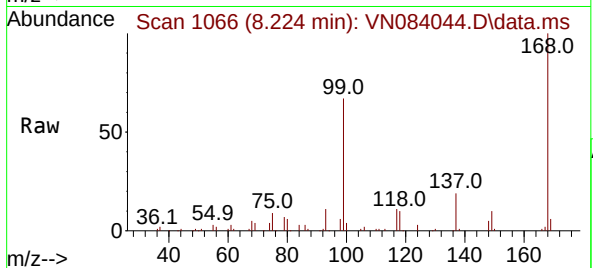
Lab File: VN084044.D

Acq: 19 Sep 2024 19:17

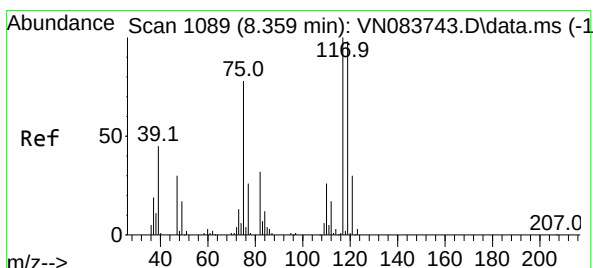
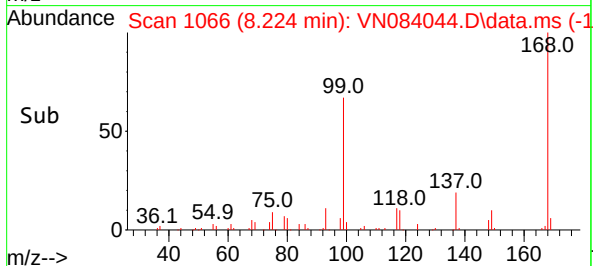
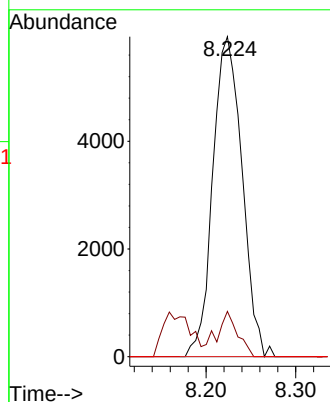
Instrument :

MSVOA_N

ClientSampleId :



Tgt Ion: 75	Resp: 13438
Ion Ratio	Lower Upper
75	100
110	9.7 16.7 50.1#
77	0.0 25.2 37.8#



#38

Carbon Tetrachloride

Concen: 0.475 ug/l

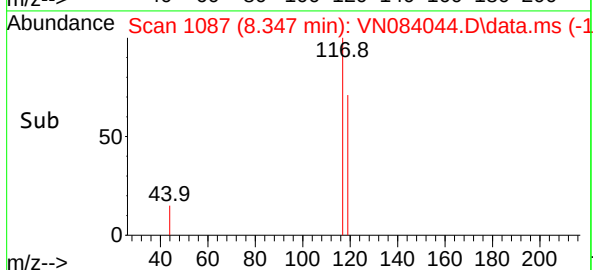
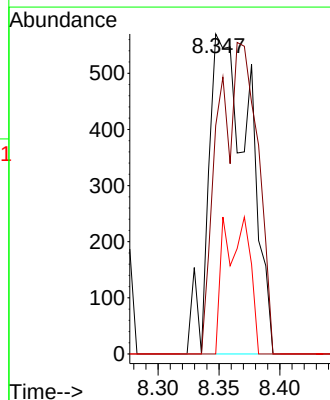
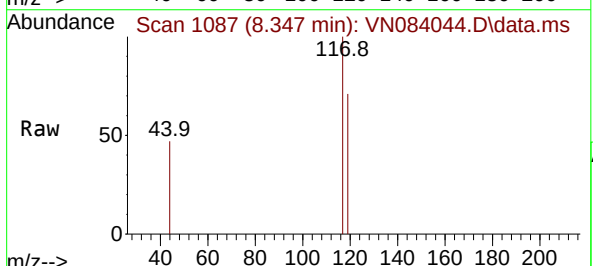
RT: 8.347 min Scan# 1087

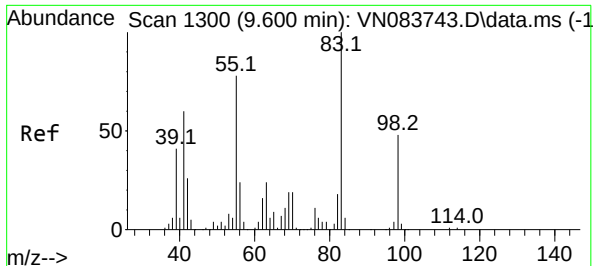
Delta R.T. -0.012 min

Lab File: VN084044.D

Acq: 19 Sep 2024 19:17

Tgt Ion: 117	Resp: 1317
Ion Ratio	Lower Upper
117	100
119	71.4 76.1 114.1#
121	0.0 24.1 36.1#





#39

Methylcyclohexane

Concen: 3.426 ug/l

RT: 9.353 min Scan# 11258

Delta R.T. -0.247 min

Lab File: VN084044.D

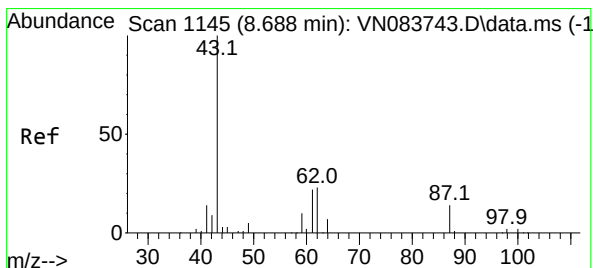
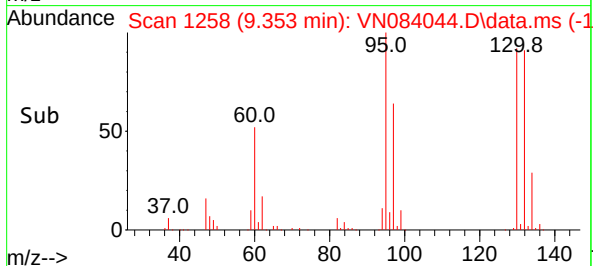
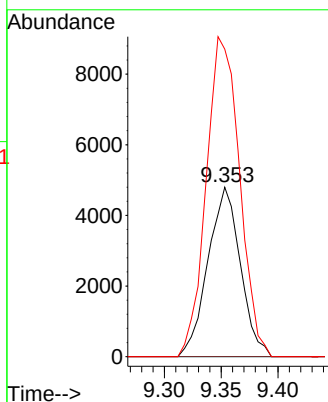
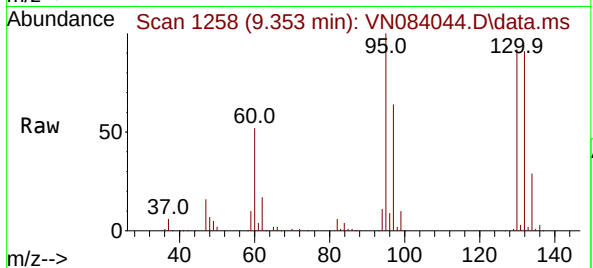
Acq: 19 Sep 2024 19:17

Instrument :

MSVOA_N

ClientSampleId :

Tgt Ion: 83	Resp: 9524
Ion Ratio	Lower Upper
83 100	
55 0.0	62.2 93.4#
98 181.5	37.6 56.4#



#43

Isopropyl Acetate

Concen: 0.822 ug/l

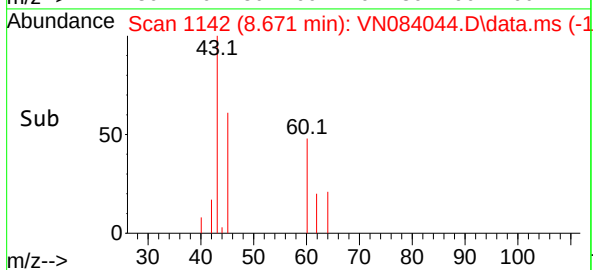
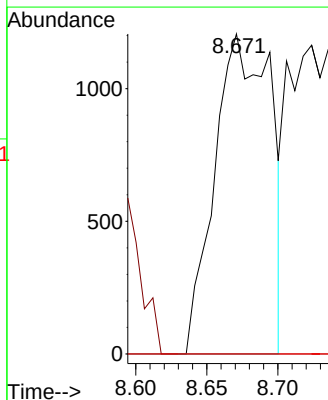
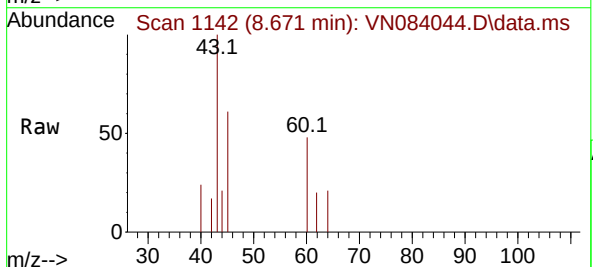
RT: 8.671 min Scan# 1142

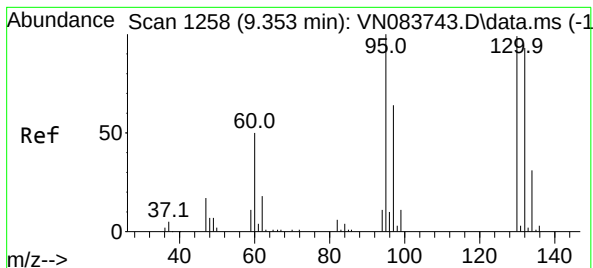
Delta R.T. -0.018 min

Lab File: VN084044.D

Acq: 19 Sep 2024 19:17

Tgt Ion: 43	Resp: 3303
Ion Ratio	Lower Upper
43 100	
61 0.0	19.4 29.0#
87 0.0	9.8 14.6#





#44

Trichloroethene

Concen: 391.286 ug/l

RT: 9.353 min Scan# 1258

Delta R.T. 0.000 min

Lab File: VN084044.D

Acq: 19 Sep 2024 19:17

Instrument :

MSVOA_N

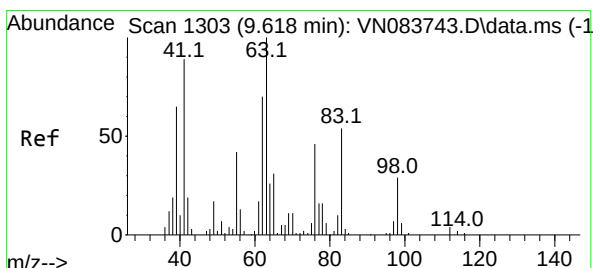
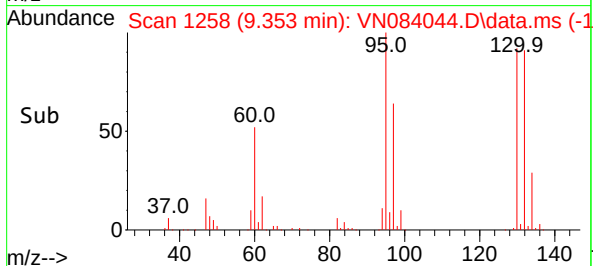
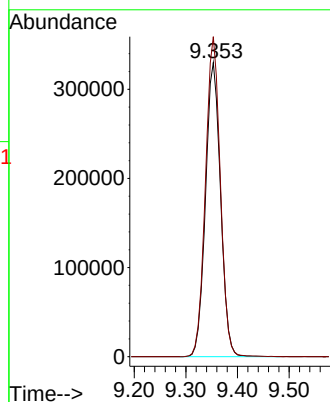
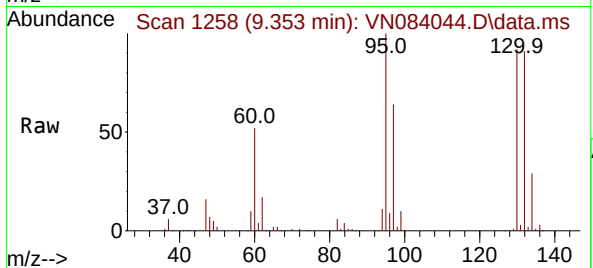
ClientSampleId :

Tgt Ion:130 Resp: 666147

Ion Ratio Lower Upper

130 100

95 108.8 0.0 200.4



#45

1,2-Dichloropropane

Concen: 1.477 ug/l

RT: 9.353 min Scan# 1258

Delta R.T. -0.265 min

Lab File: VN084044.D

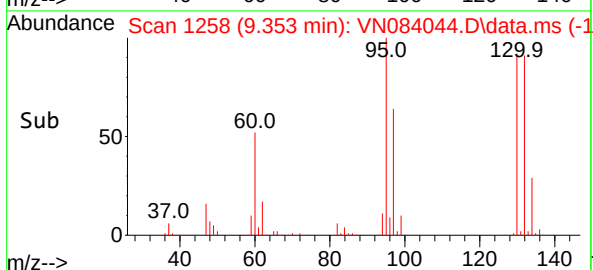
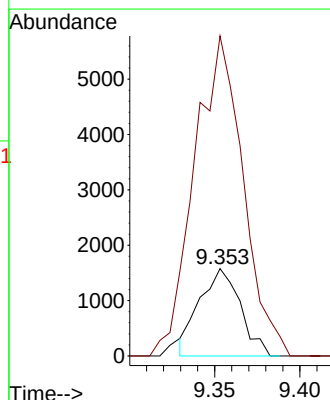
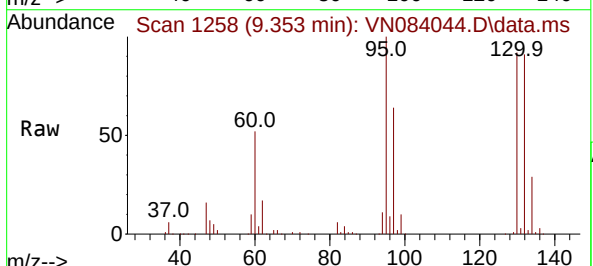
Acq: 19 Sep 2024 19:17

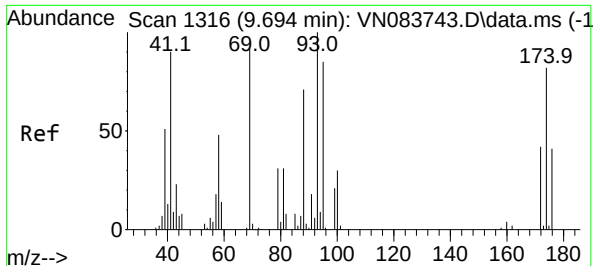
Tgt Ion: 63 Resp: 2625

Ion Ratio Lower Upper

63 100

65 344.2 25.9 38.9#





#49

1,4-Dioxane

Concen: 9.663 ug/l

RT: 9.694 min Scan# 1316

Delta R.T. 0.000 min

Lab File: VN084044.D

Acq: 19 Sep 2024 19:17

Instrument :

MSVOA_N

ClientSampleId :

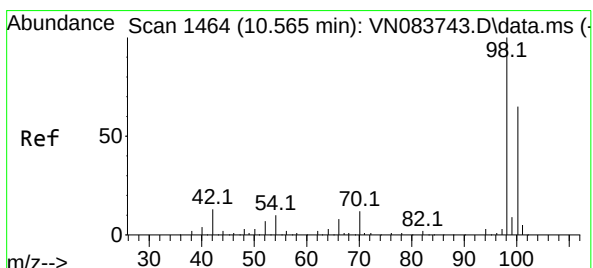
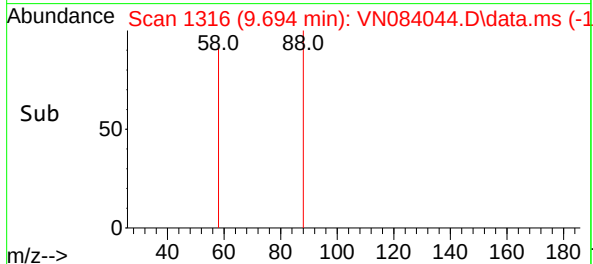
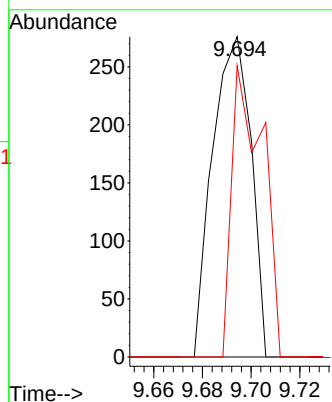
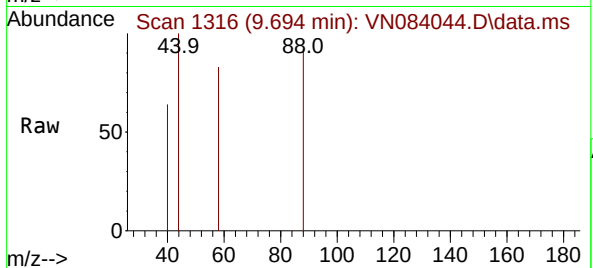
Tgt Ion: 88 Resp: 303

Ion Ratio Lower Upper

88 100

43 0.0 0.0 0.0

58 73.3 57.1 85.7



#50

Toluene-d8

Concen: 55.181 ug/l

RT: 10.565 min Scan# 1464

Delta R.T. 0.000 min

Lab File: VN084044.D

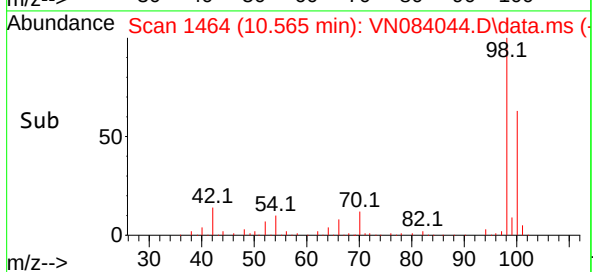
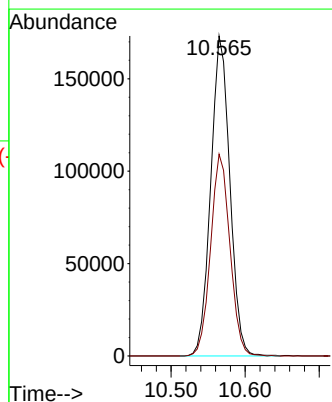
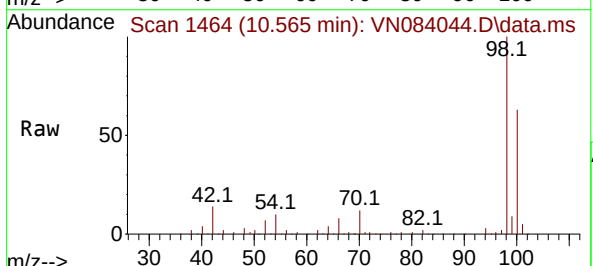
Acq: 19 Sep 2024 19:17

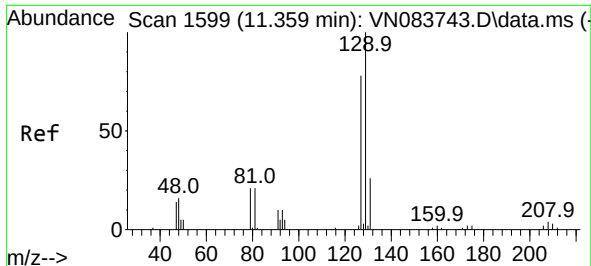
Tgt Ion: 98 Resp: 309570

Ion Ratio Lower Upper

98 100

100 63.8 52.0 78.0

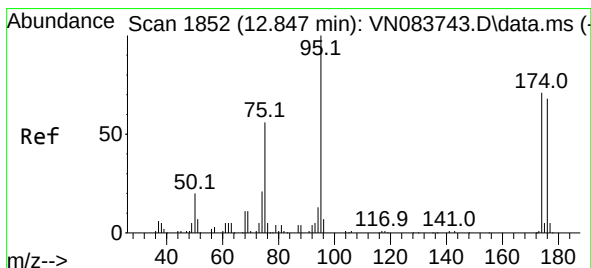
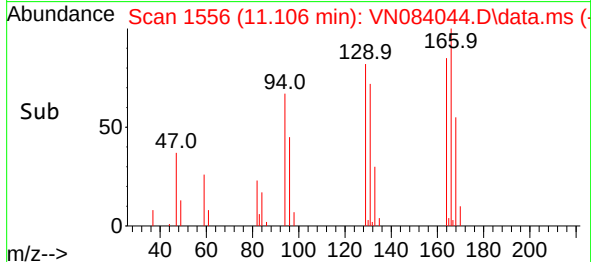
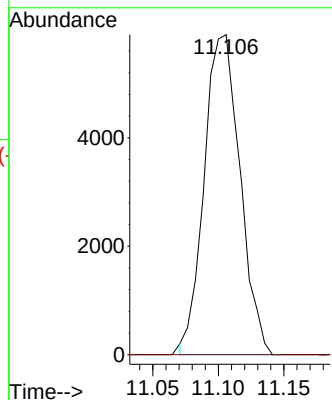
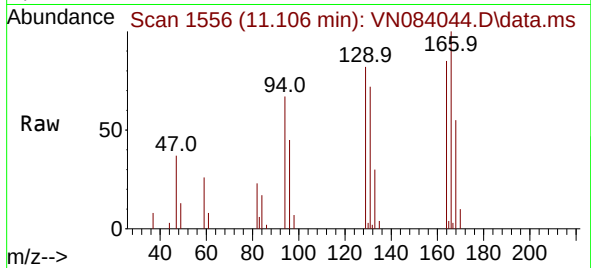




#60
Dibromochloromethane
Concen: 5.961 ug/l
RT: 11.106 min Scan# 11
Delta R.T. -0.253 min
Lab File: VN084044.D
Acq: 19 Sep 2024 19:17

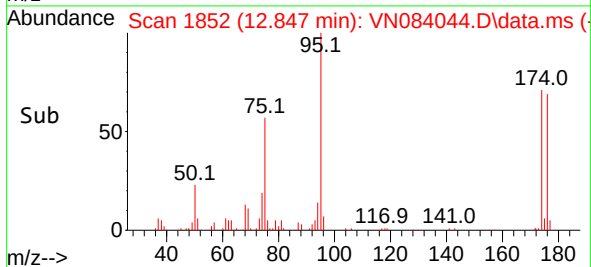
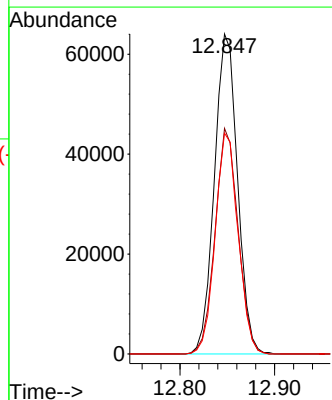
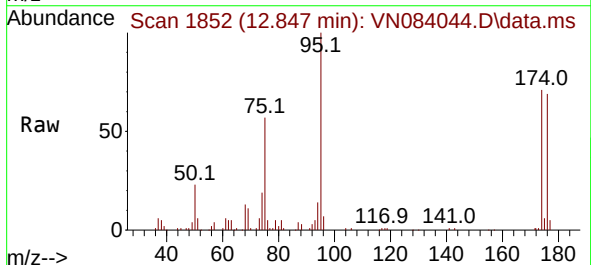
Instrument :
MSVOA_N
ClientSampleId :

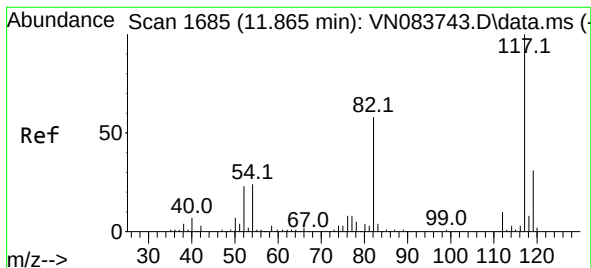
Tgt Ion:129 Resp: 11200
Ion Ratio Lower Upper
129 100
127 0.0 39.0 116.9#



#62
4-Bromofluorobenzene
Concen: 47.023 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. 0.000 min
Lab File: VN084044.D
Acq: 19 Sep 2024 19:17

Tgt Ion: 95 Resp: 108837
Ion Ratio Lower Upper
95 100
174 70.2 0.0 139.8
176 68.2 0.0 131.4





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.865 min Scan# 1

Delta R.T. 0.000 min

Lab File: VN084044.D

Acq: 19 Sep 2024 19:17

Instrument :

MSVOA_N

ClientSampleId :

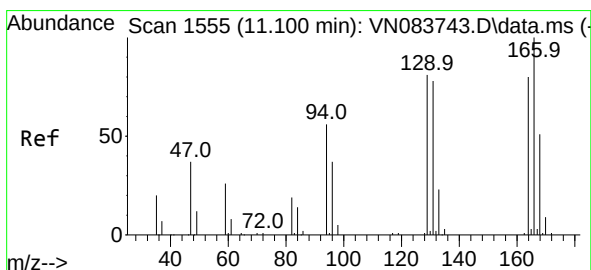
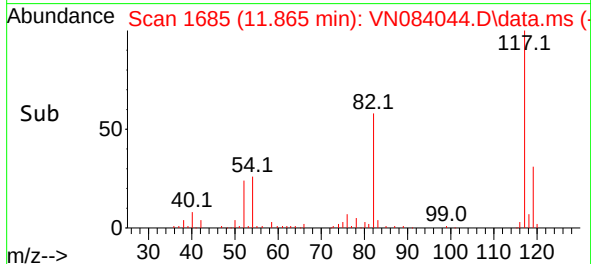
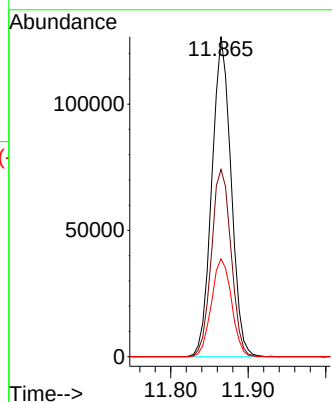
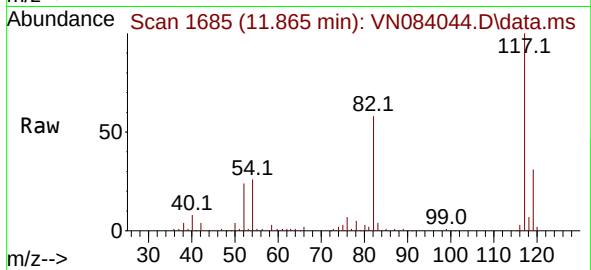
Tgt Ion:117 Resp: 218147

Ion Ratio Lower Upper

117 100

82 58.5 47.4 71.0

119 30.6 26.3 39.5



#64

Tetrachloroethene

Concen: 7.670 ug/l

RT: 11.106 min Scan# 1556

Delta R.T. 0.006 min

Lab File: VN084044.D

Acq: 19 Sep 2024 19:17

Tgt Ion:164 Resp: 11127

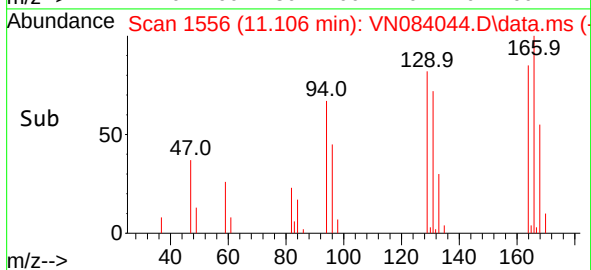
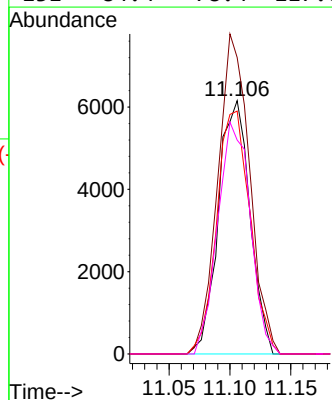
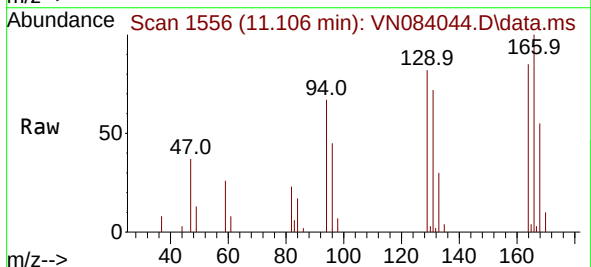
Ion Ratio Lower Upper

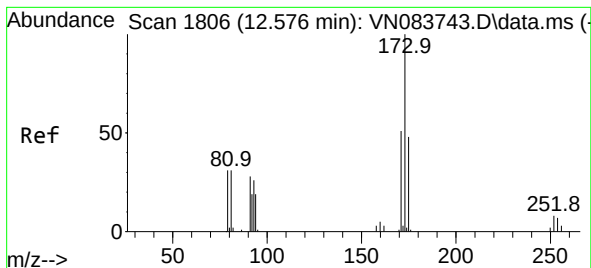
164 100

166 117.0 103.7 155.5

129 95.9 79.9 119.9

131 84.4 78.4 117.6





#71

Bromoform

Concen: 0.706 ug/l

RT: 12.841 min Scan# 1806

Delta R.T. 0.265 min

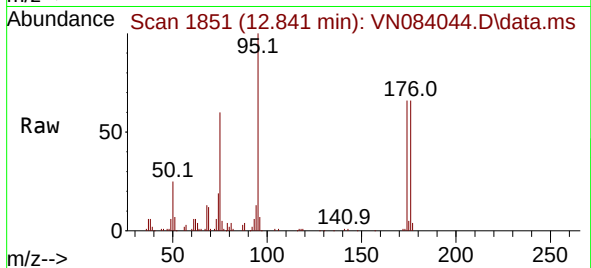
Lab File: VN084044.D

Acq: 19 Sep 2024 19:17

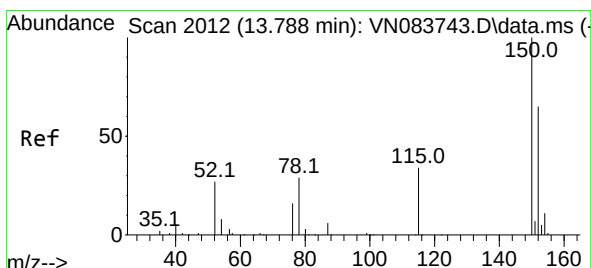
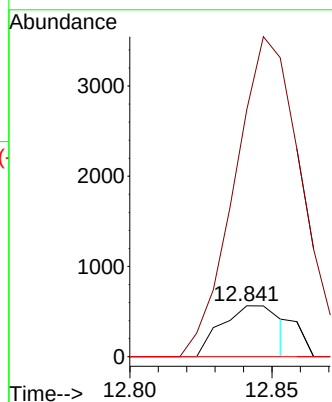
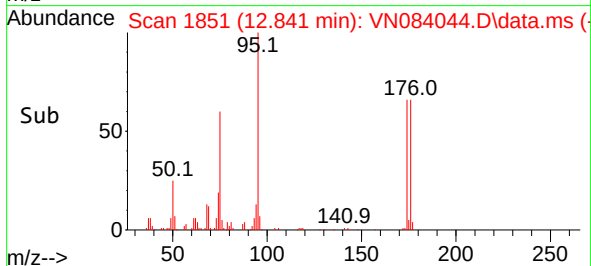
Instrument :

MSVOA_N

ClientSampleId :



Tgt Ion:	173	Resp:	800
Ion Ratio	Lower	Upper	
173	100		
175	540.5	24.1	72.2#
254	0.0	0.0	0.0



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

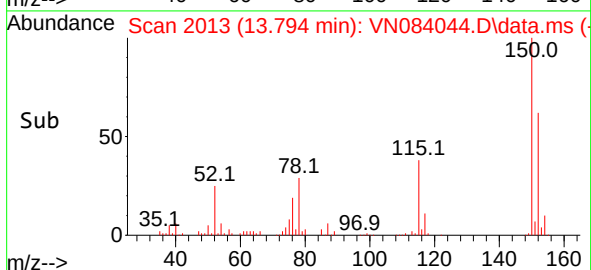
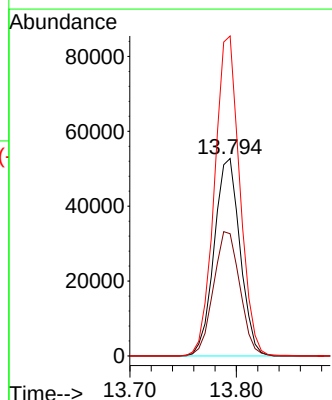
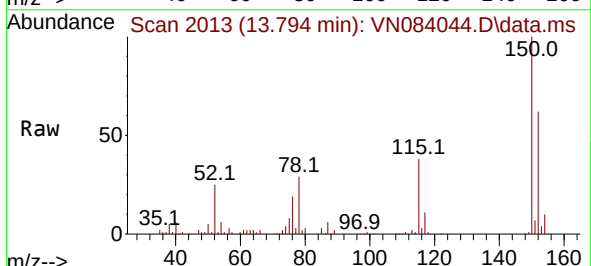
RT: 13.794 min Scan# 2013

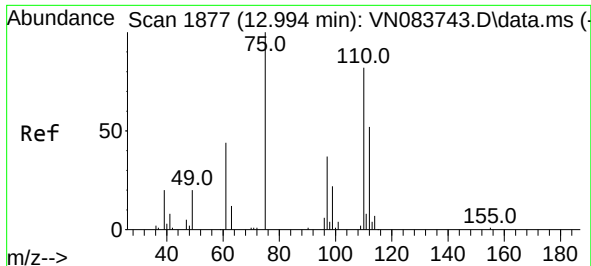
Delta R.T. 0.006 min

Lab File: VN084044.D

Acq: 19 Sep 2024 19:17

Tgt Ion:	152	Resp:	88945
Ion Ratio	Lower	Upper	
152	100		
115	64.5	32.2	96.6
150	158.0	0.0	348.6

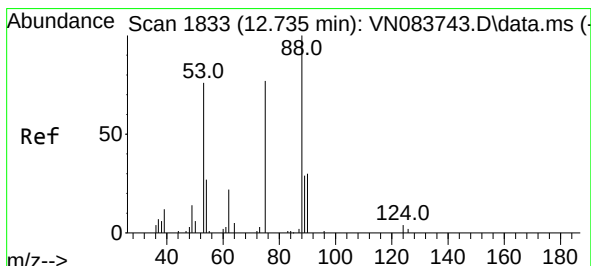
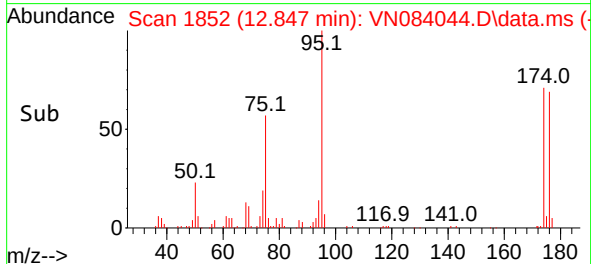
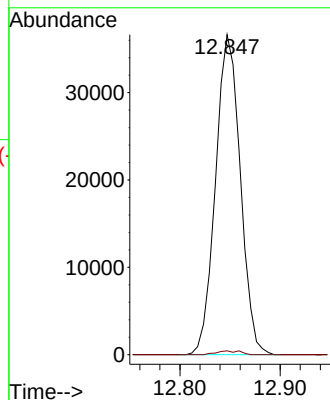
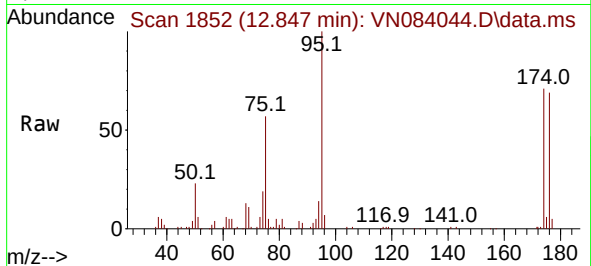




#76
1,2,3-Trichloropropane
Concen: 34.937 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.147 min
Lab File: VN084044.D
Acq: 19 Sep 2024 19:17

Instrument :
MSVOA_N
ClientSampleId :

Tgt Ion: 75 Resp: 62702
Ion Ratio Lower Upper
75 100
77 1.1 95.2 285.6#



#81
trans-1,4-Dichloro-2-butene
Concen: 91.502 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. 0.112 min
Lab File: VN084044.D
Acq: 19 Sep 2024 19:17

Tgt Ion: 75 Resp: 62702
Ion Ratio Lower Upper
75 100
53 0.0 81.2 121.8#
89 0.0 35.7 53.5#

