

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN112124\
 Data File : VN084989.D
 Acq On : 21 Nov 2024 11:20
 Operator : JC\MD
 Sample : VN1121WBSD01
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1121WBSD01

Quant Time: Nov 21 14:51:00 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N103124W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Fri Nov 01 02:38:04 2024
 Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	7.353	128	26246	30.000	ug/l	-0.45
28) 1,4-Difluorobenzene	8.853	114	149355	30.000	ug/l	-0.25
57) Chlorobenzene-d5	11.812	117	136882	30.000	ug/l	-0.05
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	8.253	65	69456	32.917	ug/l	-0.32
Spiked Amount	30.000	Range	91 - 110	Recovery	= 109.733%	
60) 4-Bromofluorobenzene	12.823	95	71496	30.335	ug/l	-0.02
Spiked Amount	30.000	Range	63 - 112	Recovery	= 101.133%	
63) Toluene-d8	10.447	98	192319	29.679	ug/l	-0.12
Spiked Amount	30.000	Range	91 - 112	Recovery	= 98.933%	
Target Compounds						Qvalue
4) Vinyl Chloride	2.077	62	418	0.245	ug/l #	1
7) Trichlorofluoromethane	3.348	101	33401	12.051	ug/l	91
15) Acetone	4.524	58	74	0.369	ug/l #	1
16) Carbon Disulfide	4.000	76	17045	3.787	ug/l #	42
21) 1,1-Dichloroethane	5.812	63	64025	20.405	ug/l	97
22) cis-1,2-Dichloroethene	6.947	96	38080	19.895	ug/l	98
23) tert-Butyl Alcohol	4.894	59	89	0.327	ug/l #	100
25) Chloroform	7.541	83	67105	20.874	ug/l	92
26) Cyclohexane	7.871	56	47350	19.756	ug/l #	97
29) 1,1-Dichloropropene	8.012	75	42792	19.022	ug/l	98
32) 1,1,1-Trichloroethane	7.771	97	60844	19.908	ug/l	98
33) Carbon Tetrachloride	7.994	117	52758	20.230	ug/l	95
34) Benzene	8.277	78	143006	19.232	ug/l	98
35) Methacrylonitrile	7.318	41	15763	12.817	ug/l	89
36) 1,2-Dichloroethane	8.853	62	5571	2.253	ug/l #	74
37) Trichloroethene	9.129	130	32054	19.109	ug/l	99
38) Methylcyclohexane	9.400	83	44700	18.458	ug/l	98
39) 1,2-Dichloropropane	9.424	63	35337	19.742	ug/l	93
40) Dibromomethane	9.518	93	25717	20.538	ug/l	97
41) Bromodichloromethane	9.718	83	51363	19.134	ug/l	99
42) Vinyl Acetate	6.959	43	114064	29.407	ug/l #	71
44) Isopropyl Acetate	8.406	43	81210	18.393	ug/l	90
45) 1,4-Dioxane	9.641	88	63	2.137	ug/l #	1
46) Methyl methacrylate	9.506	41	34877	19.656	ug/l	95
47) n-amyl Acetate	12.470	43	65715	19.929	ug/l	98
48) t-1,3-Dichloropropene	10.741	75	51944	19.597	ug/l	94
49) cis-1,3-Dichloropropene	10.176	75	56280	19.811	ug/l	90
50) 1,1,2-Trichloroethane	10.929	97	35170	20.939	ug/l	97
51) Ethyl methacrylate	10.788	69	50115	19.357	ug/l	96
52) 1,3-Dichloropropane	11.082	76	58956	20.222	ug/l	99
53) Dibromochloromethane	11.282	129	40524	20.617	ug/l	100
54) 1,2-Dibromoethane	11.394	107	34932	20.563	ug/l	97
55) 2-Chloroethyl vinyl ether	10.024	63	112235	88.421	ug/l	98
56) Bromoform	12.541	173	27052	20.533	ug/l	98
58) 4-Methyl-2-Pentanone	10.329	43	241779	111.962	ug/l	99
59) 2-Hexanone	11.123	43	177472	112.232	ug/l	99
61) Tetrachloroethene	11.018	164	28247	19.718	ug/l	95
62) Toluene	10.518	91	151665	19.453	ug/l	97
64) Chlorobenzene	11.835	112	95590	20.310	ug/l	97

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN112124\
 Data File : VN084989.D
 Acq On : 21 Nov 2024 11:20
 Operator : JC\MD
 Sample : VN1121WBSD01
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 4 Sample Multiplier: 1

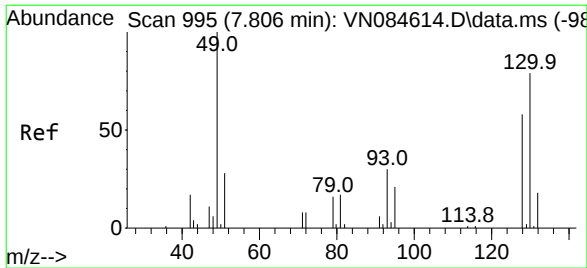
Instrument :
 MSVOA_N
 ClientSampleId :
 VN1121WBSD01

Quant Time: Nov 21 14:51:00 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N103124W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Fri Nov 01 02:38:04 2024
 Response via : Initial Calibration

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

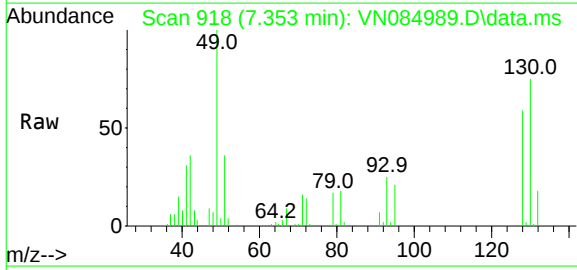
65) 1,1,1,2-Tetrachloroethane	11.912	131	35045	20.261	ug/l	99
66) Ethyl Benzene	11.912	91	155004	18.918	ug/l	93
67) m/p-Xylenes	12.023	106	121679	38.790	ug/l	99
68) o-Xylene	12.365	106	57518	19.009	ug/l	94
69) Styrene	12.376	104	99271	19.566	ug/l	100
70) Isopropylbenzene	12.665	105	144422	19.213	ug/l	99
71) 1,1,2,2-Tetrachloroethane	12.917	83	53729	22.053	ug/l	98
72) 1,2,3-Trichloropropane	12.970	75	67525	32.458	ug/l	64
73) Bromobenzene	12.953	156	38375	19.794	ug/l	94
74) n-propylbenzene	13.012	91	172606	19.637	ug/l	99
75) 2-Chlorotoluene	13.100	91	115024	20.095	ug/l	97
76) 1,3,5-Trimethylbenzene	13.153	105	128372	19.988	ug/l	99
77) t-1,4-Dichloro-2-butene	12.712	75	17925	21.008	ug/l	94
78) 4-Chlorotoluene	13.200	91	114592	19.814	ug/l	98
79) tert-butylbenzene	13.423	119	105951	19.949	ug/l	98
80) 1,2,4-Trimethylbenzene	13.464	105	130369	20.121	ug/l	99
81) sec-Butylbenzene	13.600	105	144707	19.773	ug/l	100
82) p-Isopropyltoluene	13.717	119	117920	19.176	ug/l	99
83) 1,3-Dichlorobenzene	13.717	146	72743	20.288	ug/l	99
84) 1,4-Dichlorobenzene	13.800	146	69000	19.476	ug/l	98
85) n-Butylbenzene	14.047	91	97455	18.869	ug/l	98
86) Hexachloroethane	14.323	117	25834	20.542	ug/l	98
87) 1,2-Dichlorobenzene	14.094	146	70346	19.910	ug/l	99
88) 1,2-Dibromo-3-Chloropr...	14.711	75	10761	22.891	ug/l	97
89) 1,2,4-Trichlorobenzene	15.835	180	33474	19.458	ug/l	98
90) Hexachlorobutadiene	15.494	225	16629	22.129	ug/l	92
91) Naphthalene	15.635	128	103274	18.798	ug/l	98
92) 1,2,3-Trichlorobenzene	15.835	180	33474	19.458	ug/l	98

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

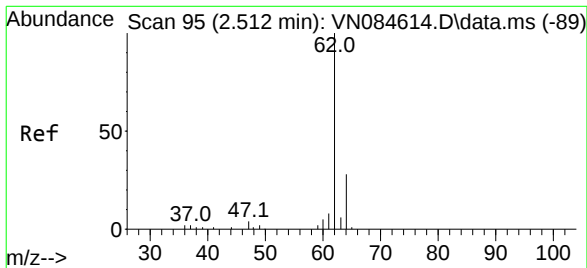
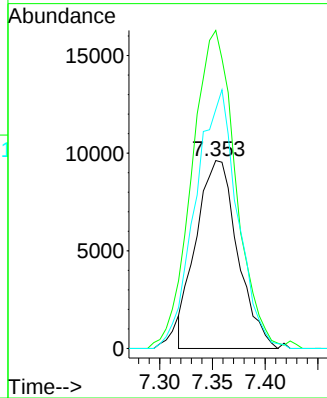
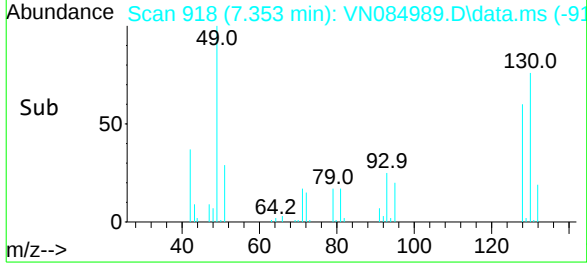


#1
Bromochloromethane
Concen: 30.000 ug/l
RT: 7.353 min Scan# 91
Delta R.T. -0.453 min
Lab File: VN084989.D
Acq: 21 Nov 2024 11:20

Instrument :
MSVOA_N
ClientSampleId :
VN1121WBSD01

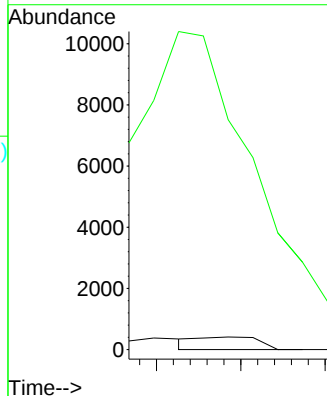
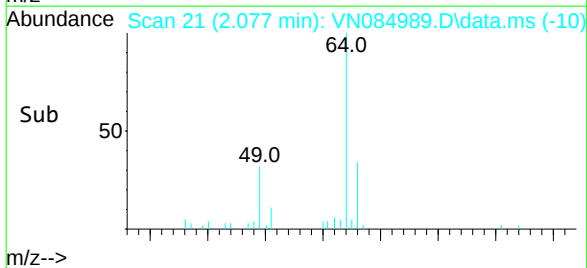
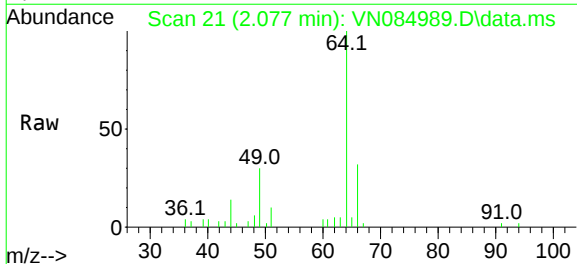


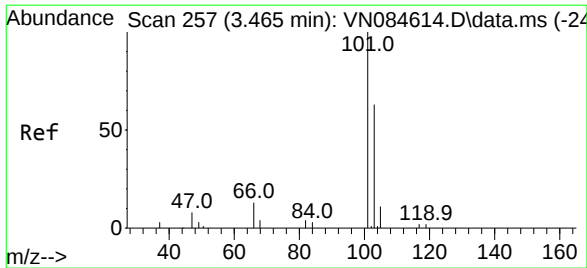
Tgt Ion: 128 Resp: 26246
Ion Ratio Lower Upper
128 100
49 166.0 0.0 427.0
130 135.2 0.0 322.2



#4
Vinyl Chloride
Concen: 0.245 ug/l
RT: 2.077 min Scan# 21
Delta R.T. -0.435 min
Lab File: VN084989.D
Acq: 21 Nov 2024 11:20

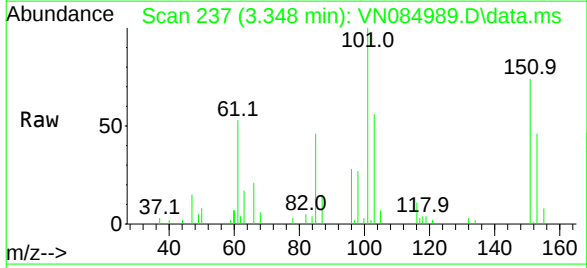
Tgt Ion: 62 Resp: 418
Ion Ratio Lower Upper
62 100
64 897.8 23.1 34.7#



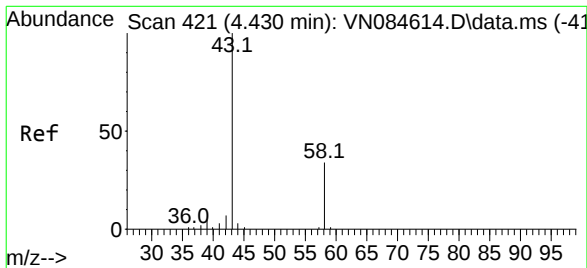
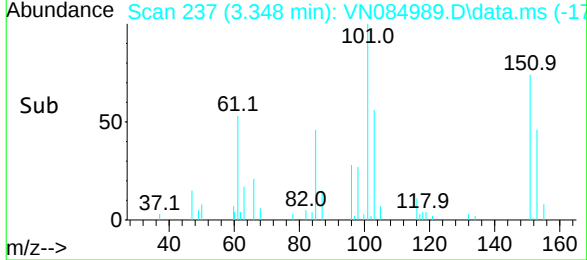
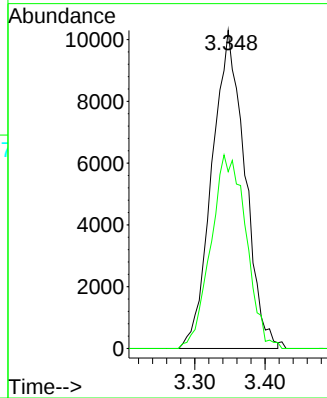


#7
 Trichlorofluoromethane
 Concen: 12.051 ug/l
 RT: 3.348 min Scan# 23
 Delta R.T. -0.118 min
 Lab File: VN084989.D
 Acq: 21 Nov 2024 11:20

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1121WBSD01

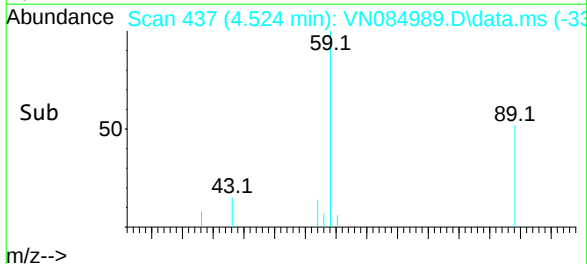
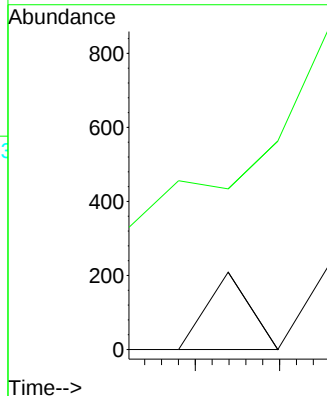
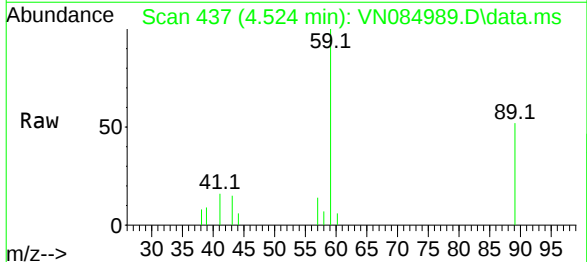


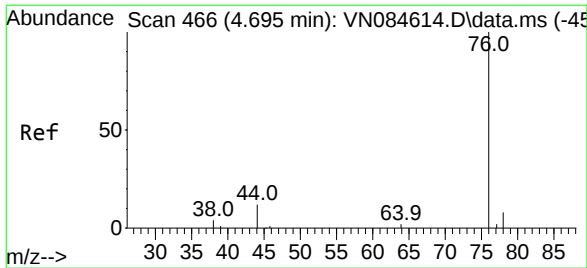
Tgt Ion: 101 Resp: 33401
 Ion Ratio Lower Upper
 101 100
 103 55.6 50.1 75.1



#15
 Acetone
 Concen: 0.369 ug/l
 RT: 4.524 min Scan# 437
 Delta R.T. 0.094 min
 Lab File: VN084989.D
 Acq: 21 Nov 2024 11:20

Tgt Ion: 58 Resp: 74
 Ion Ratio Lower Upper
 58 100
 43 0.0 233.0 349.6#

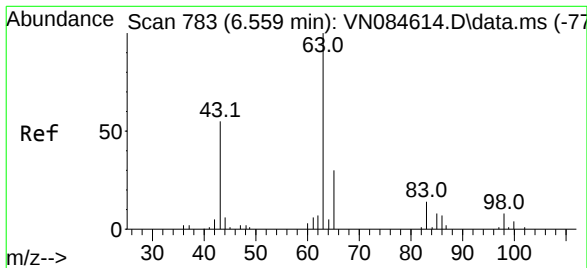
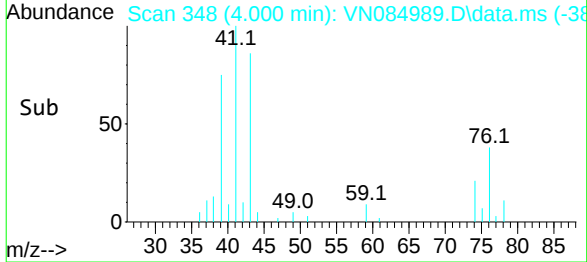
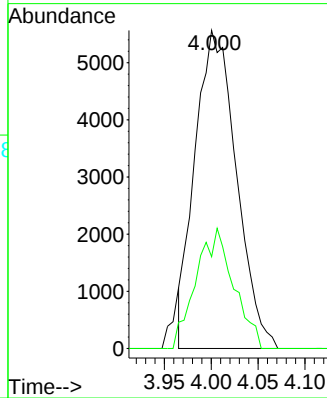
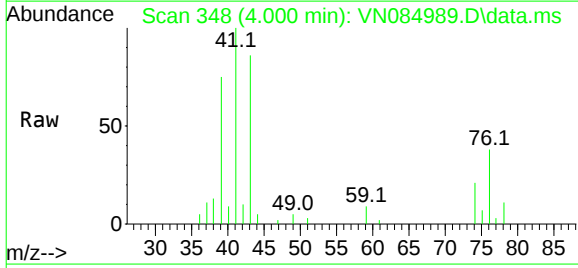




#16
Carbon Disulfide
Concen: 3.787 ug/l
RT: 4.000 min Scan# 34
Delta R.T. -0.694 min
Lab File: VN084989.D
Acq: 21 Nov 2024 11:20

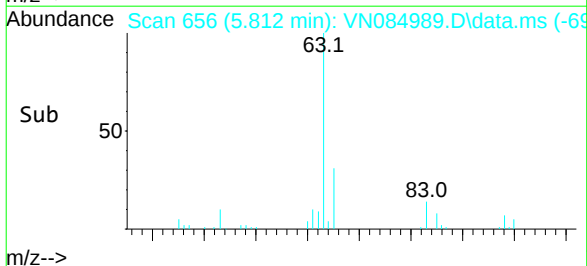
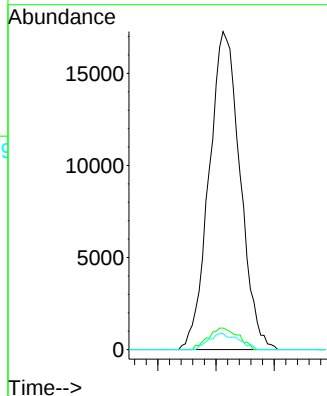
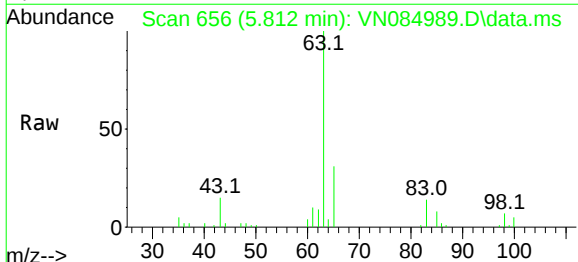
Instrument :
MSVOA_N
ClientSampleId :
VN1121WBSD01

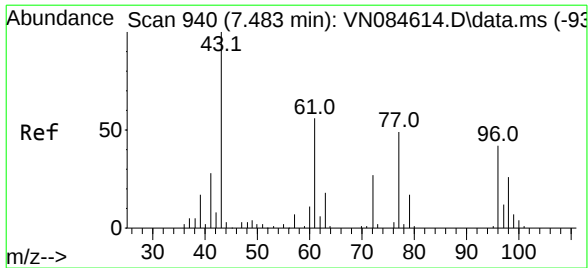
Tgt Ion: 76 Resp: 17045
Ion Ratio Lower Upper
76 100
78 28.8 6.6 9.8#



#21
1,1-Dichloroethane
Concen: 20.405 ug/l
RT: 5.812 min Scan# 656
Delta R.T. -0.747 min
Lab File: VN084989.D
Acq: 21 Nov 2024 11:20

Tgt Ion: 63 Resp: 64025
Ion Ratio Lower Upper
63 100
98 6.8 3.8 11.4
100 5.1 1.9 5.7

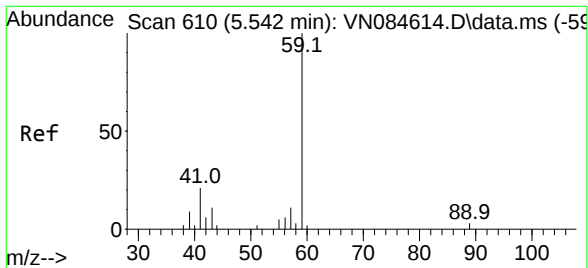
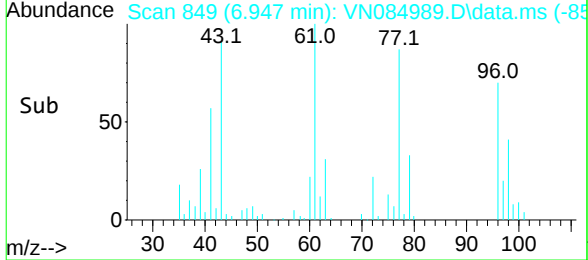
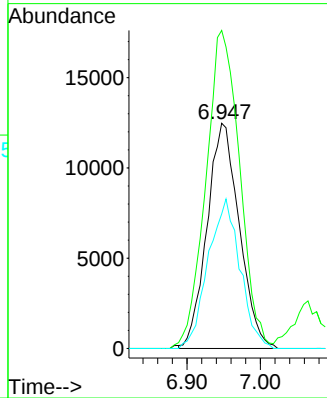
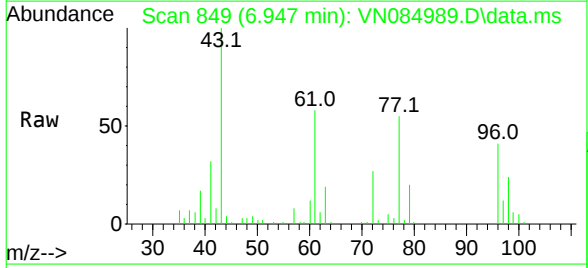




#22
cis-1,2-Dichloroethene
Concen: 19.895 ug/l
RT: 6.947 min Scan# 84
Delta R.T. -0.535 min
Lab File: VN084989.D
Acq: 21 Nov 2024 11:20

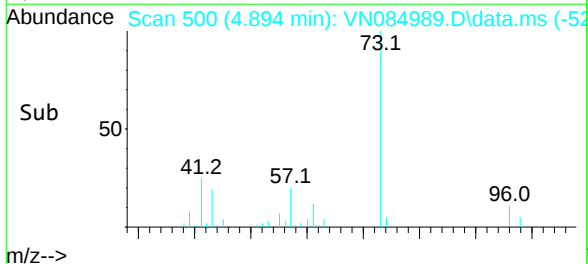
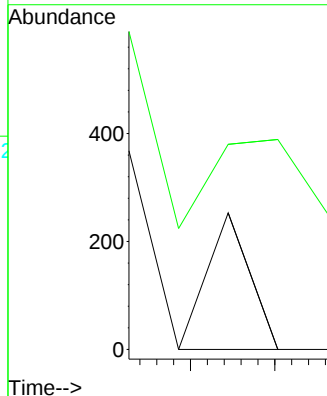
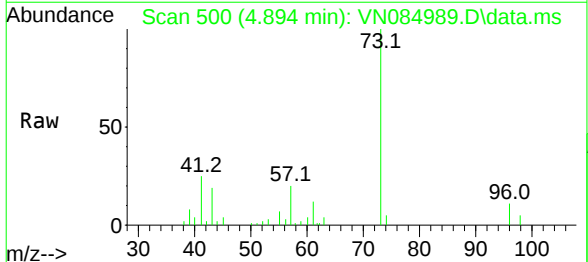
Instrument :
MSVOA_N
ClientSampleId :
VN1121WBSD01

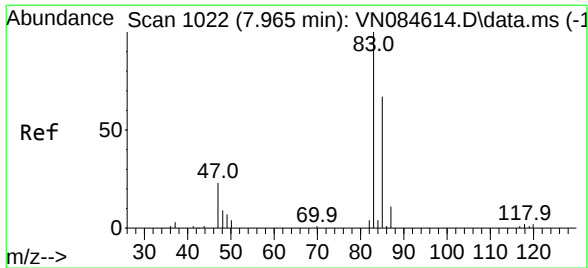
Tgt Ion:	96	Resp:	38080
Ion	Ratio	Lower	Upper
96	100		
61	148.3	121.8	182.8
98	65.8	53.2	79.8



#23
tert-Butyl Alcohol
Concen: 0.327 ug/l
RT: 4.894 min Scan# 500
Delta R.T. -0.647 min
Lab File: VN084989.D
Acq: 21 Nov 2024 11:20

Tgt Ion:	59	Resp:	89
Ion	Ratio	Lower	Upper
59	100		
52	287.6	0.0	0.0#

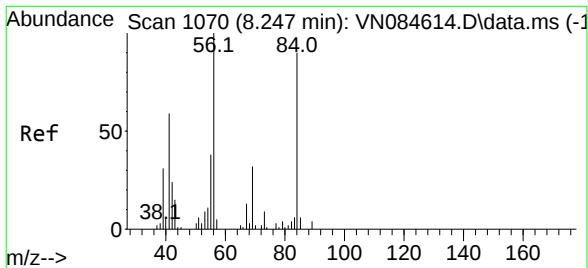
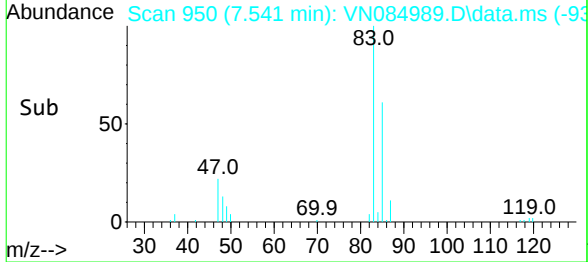
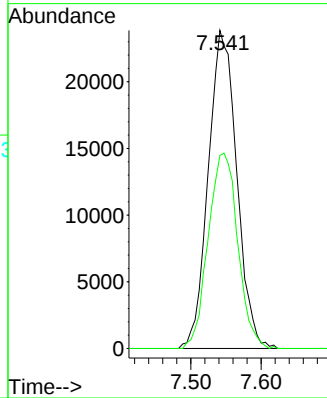
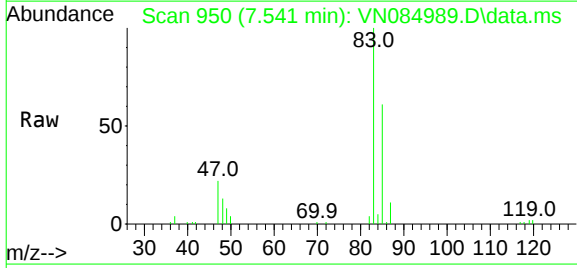




#25
Chloroform
Concen: 20.874 ug/l
RT: 7.541 min Scan# 95
Delta R.T. -0.424 min
Lab File: VN084989.D
Acq: 21 Nov 2024 11:20

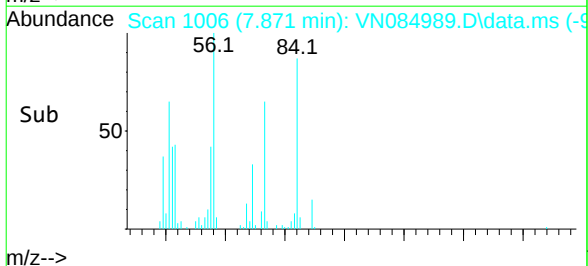
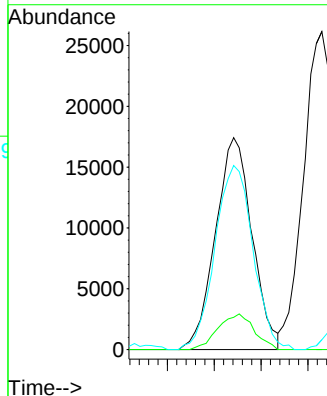
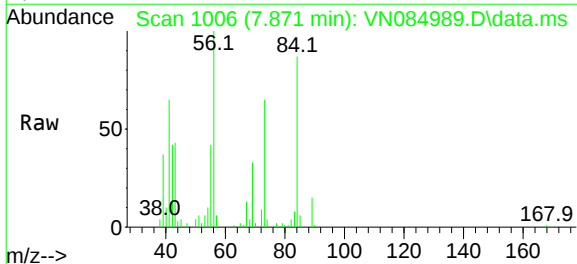
Instrument :
MSVOA_N
ClientSampleId :
VN1121WBSD01

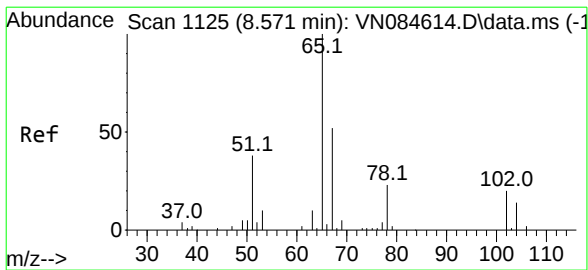
Tgt Ion: 83 Resp: 67105
Ion Ratio Lower Upper
83 100
85 60.7 53.4 80.2



#26
Cyclohexane
Concen: 19.756 ug/l
RT: 7.871 min Scan# 1006
Delta R.T. -0.377 min
Lab File: VN084989.D
Acq: 21 Nov 2024 11:20

Tgt Ion: 56 Resp: 47350
Ion Ratio Lower Upper
56 100
89 16.6 3.0 4.4#
84 90.0 70.6 106.0

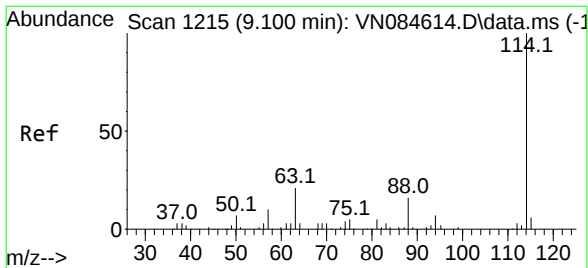
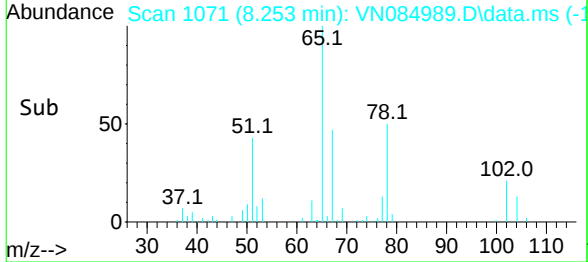
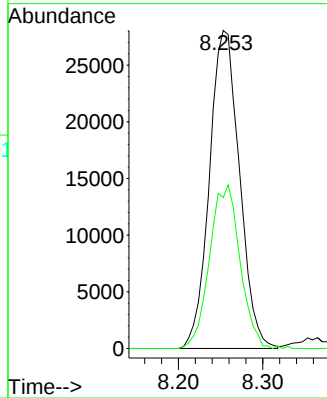
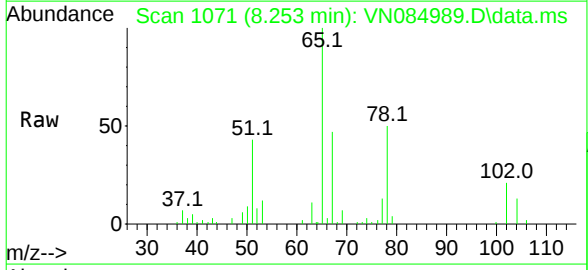




#27
1,2-Dichloroethane-d4
Concen: 32.917 ug/l
RT: 8.253 min Scan# 10
Delta R.T. -0.318 min
Lab File: VN084989.D
Acq: 21 Nov 2024 11:20

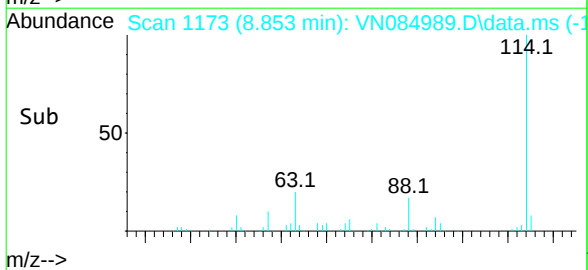
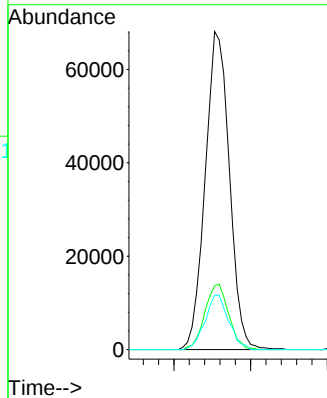
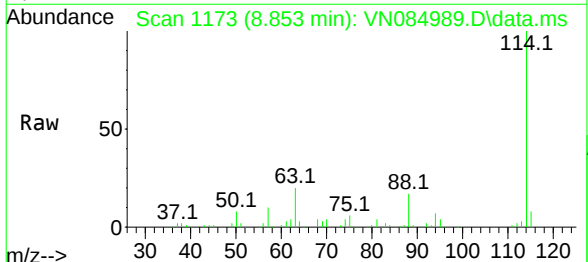
Instrument :
MSVOA_N
ClientSampleId :
VN1121WBSD01

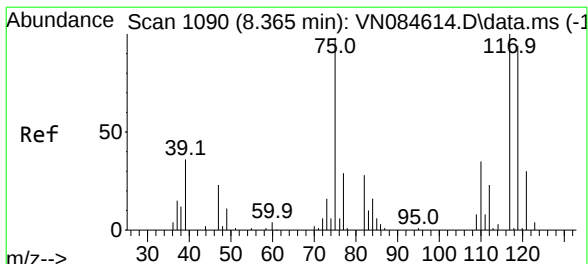
Tgt Ion: 65 Resp: 69456
Ion Ratio Lower Upper
65 100
67 51.9 40.7 61.1



#28
1,4-Difluorobenzene
Concen: 30.000 ug/l
RT: 8.853 min Scan# 1173
Delta R.T. -0.247 min
Lab File: VN084989.D
Acq: 21 Nov 2024 11:20

Tgt Ion: 114 Resp: 149355
Ion Ratio Lower Upper
114 100
63 20.2 16.8 25.2
88 16.7 12.9 19.3

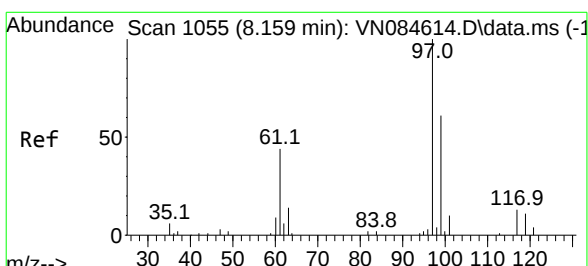
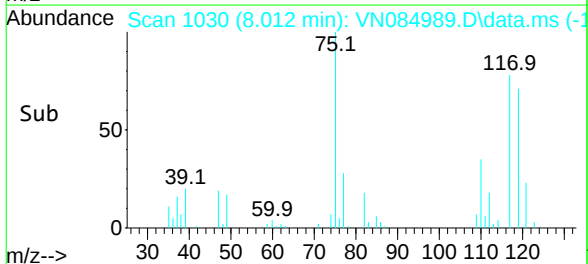
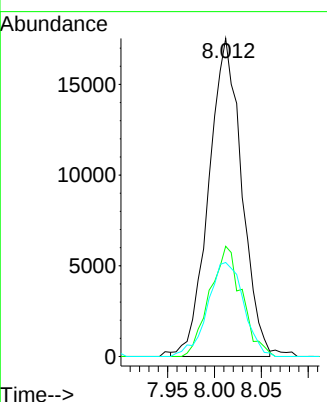
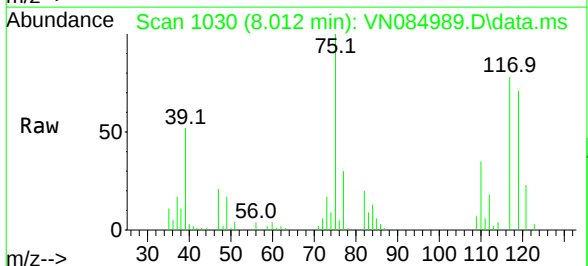




#29
 1,1-Dichloropropene
 Concen: 19.022 ug/l
 RT: 8.012 min Scan# 10
 Delta R.T. -0.353 min
 Lab File: VN084989.D
 Acq: 21 Nov 2024 11:20

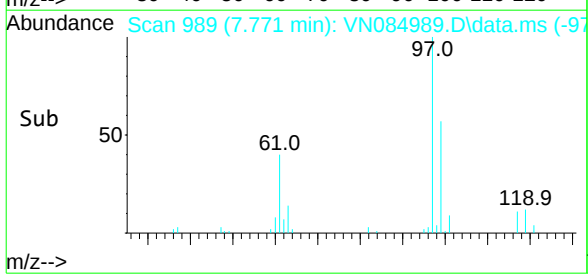
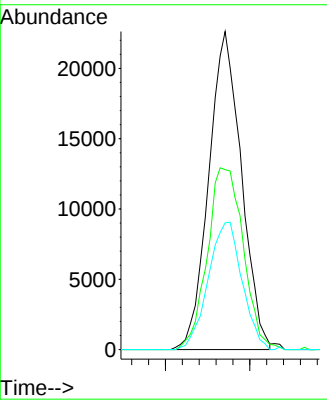
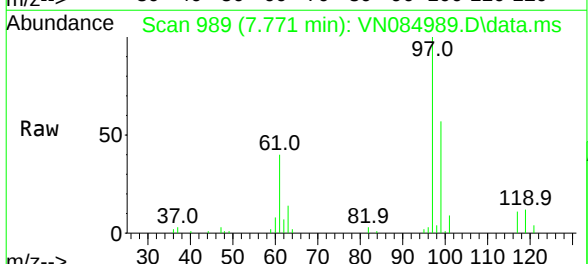
Instrument :
 MSVOA_N
 ClientSampleId :
 VN1121WBSD01

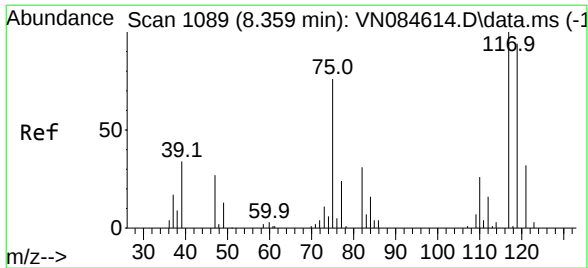
Tgt Ion:	75	Resp:	42792
Ion	Ratio	Lower	Upper
75	100		
110	33.9	0.0	69.4
77	32.4	0.0	62.0



#32
 1,1,1-Trichloroethane
 Concen: 19.908 ug/l
 RT: 7.771 min Scan# 989
 Delta R.T. -0.388 min
 Lab File: VN084989.D
 Acq: 21 Nov 2024 11:20

Tgt Ion:	97	Resp:	60844
Ion	Ratio	Lower	Upper
97	100		
99	62.8	51.6	77.4
61	41.4	34.2	51.4

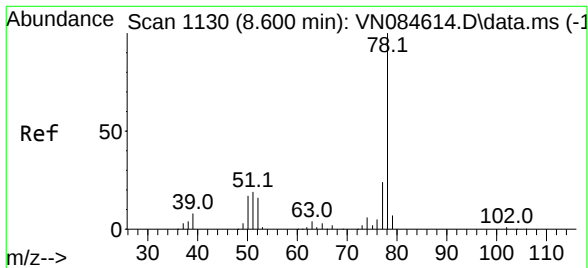
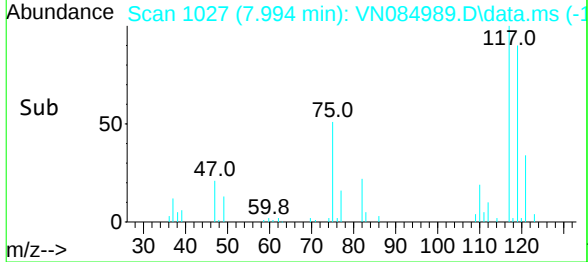
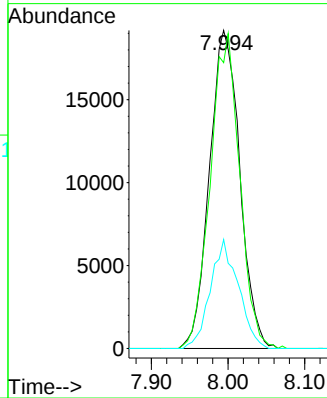
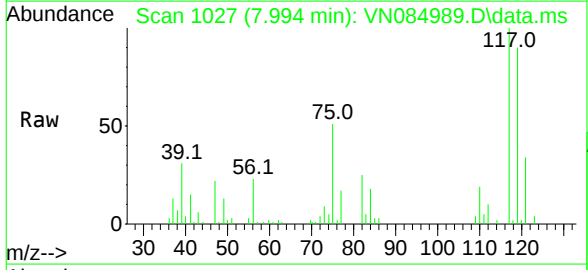




#33
Carbon Tetrachloride
Concen: 20.230 ug/l
RT: 7.994 min Scan# 1075
Delta R.T. -0.365 min
Lab File: VN084989.D
Acq: 21 Nov 2024 11:20

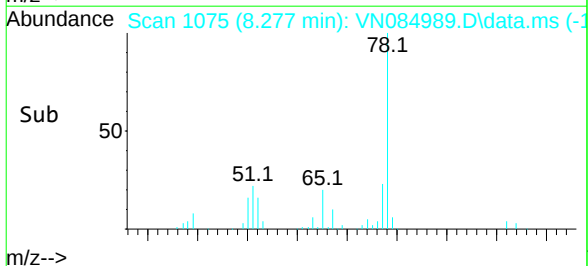
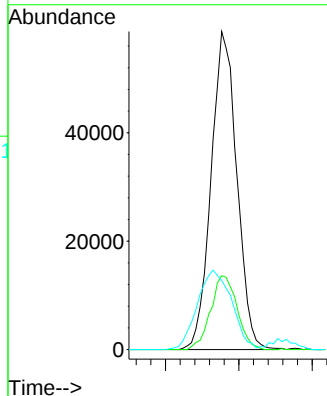
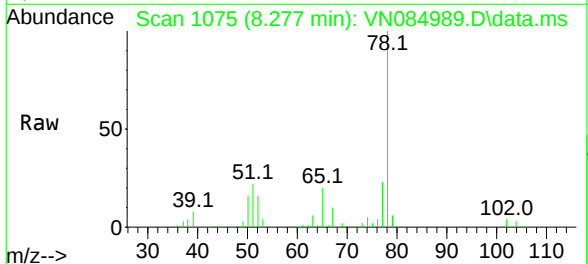
Instrument :
MSVOA_N
ClientSampleId :
VN1121WBSD01

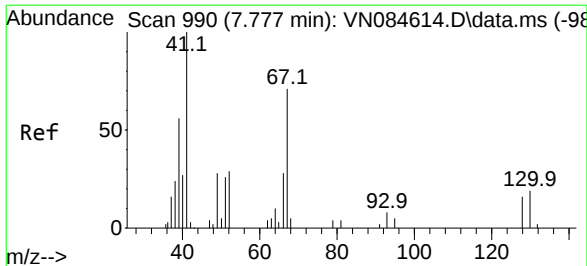
Tgt Ion:117 Resp: 52758
Ion Ratio Lower Upper
117 100
119 89.9 75.7 113.5
121 34.2 25.4 38.0



#34
Benzene
Concen: 19.232 ug/l
RT: 8.277 min Scan# 1075
Delta R.T. -0.324 min
Lab File: VN084989.D
Acq: 21 Nov 2024 11:20

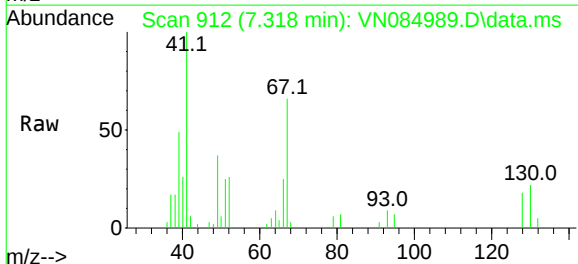
Tgt Ion: 78 Resp: 143006
Ion Ratio Lower Upper
78 100
77 23.2 19.3 28.9
51 20.8 16.1 24.1



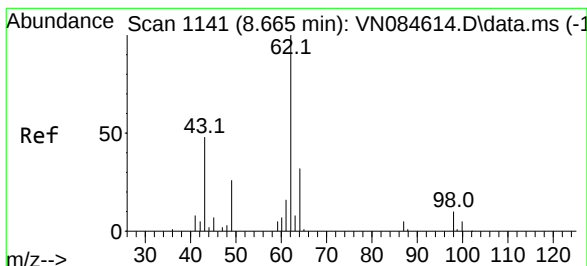
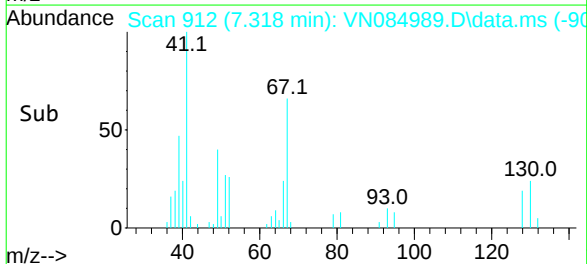
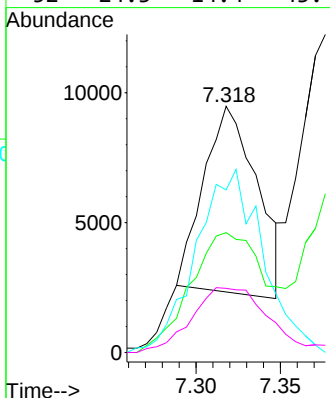


#35
Methacrylonitrile
Concen: 12.817 ug/l
RT: 7.318 min Scan# 911
Delta R.T. -0.459 min
Lab File: VN084989.D
Acq: 21 Nov 2024 11:20

Instrument :
MSVOA_N
ClientSampleId :
VN1121WBSD01

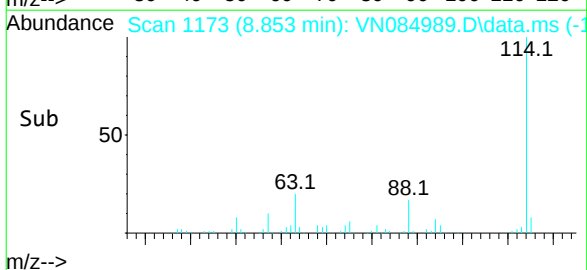
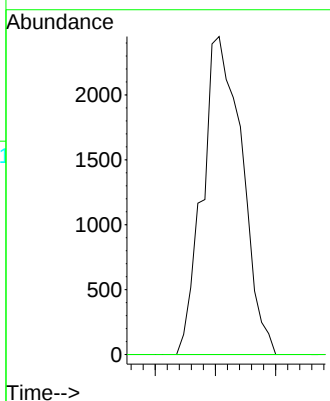
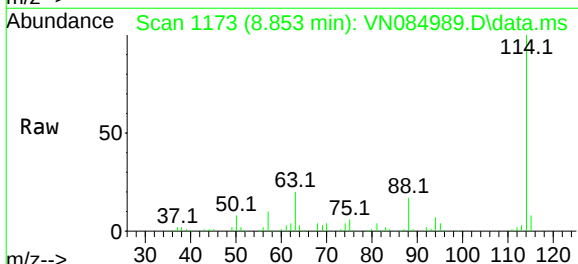


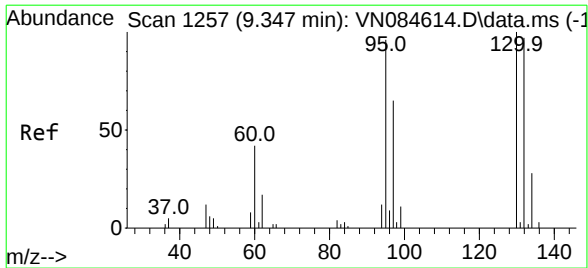
Tgt Ion:	41	Resp:	15763
Ion	Ratio	Lower	Upper
41	100		
39	47.9	28.2	84.6
67	61.2	35.6	106.8
52	24.3	14.4	43.4



#36
1,2-Dichloroethane
Concen: 2.253 ug/l
RT: 8.853 min Scan# 1173
Delta R.T. 0.188 min
Lab File: VN084989.D
Acq: 21 Nov 2024 11:20

Tgt Ion:	62	Resp:	5571
Ion	Ratio	Lower	Upper
62	100		
98	0.0	7.8	11.6#

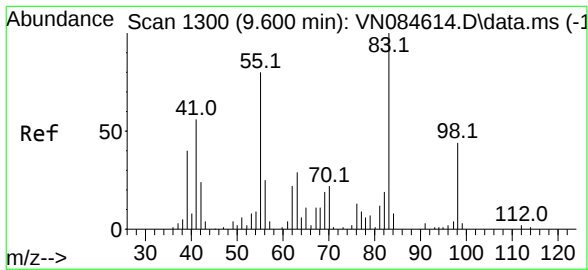
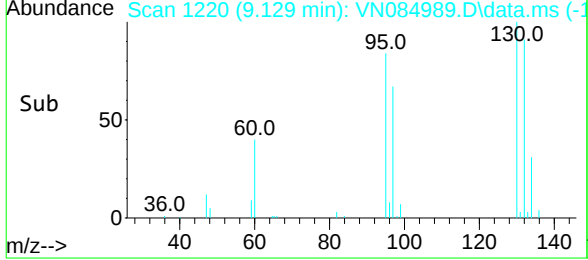
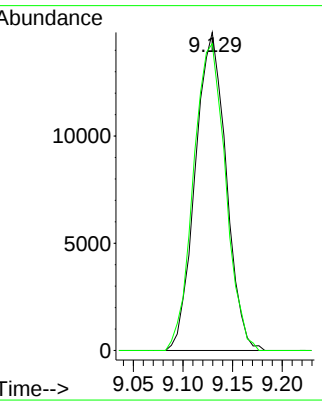
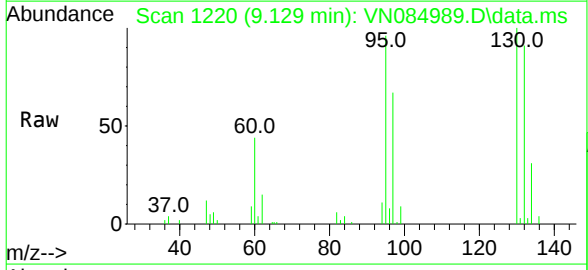




#37
 Trichloroethene
 Concen: 19.109 ug/l
 RT: 9.129 min Scan# 12
 Delta R.T. -0.218 min
 Lab File: VN084989.D
 Acq: 21 Nov 2024 11:20

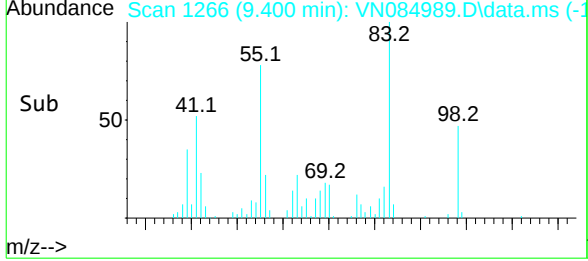
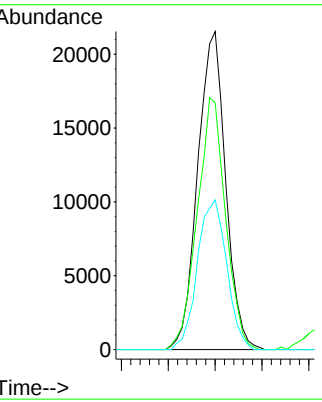
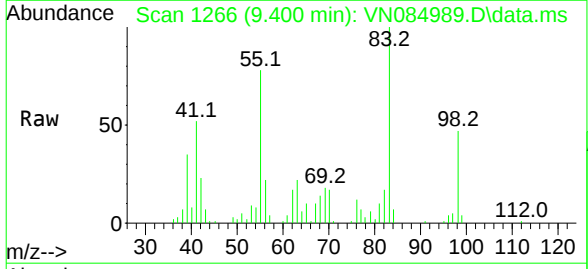
Instrument :
 MSVOA_N
 ClientSampleId :
 VN1121WBSD01

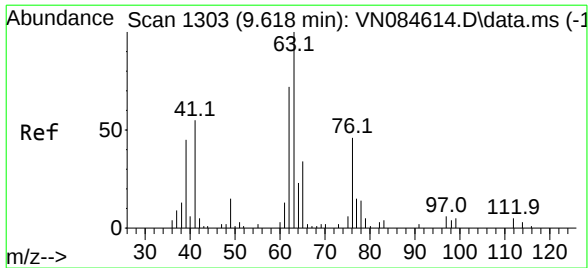
Tgt Ion:	130	Resp:	32054
Ion Ratio	Lower	Upper	
130	100		
95	96.5	76.6	115.0



#38
 Methylcyclohexane
 Concen: 18.458 ug/l
 RT: 9.400 min Scan# 1266
 Delta R.T. -0.200 min
 Lab File: VN084989.D
 Acq: 21 Nov 2024 11:20

Tgt Ion:	83	Resp:	44700
Ion Ratio	Lower	Upper	
83	100		
55	80.1	39.6	118.8
98	49.4	23.2	69.5

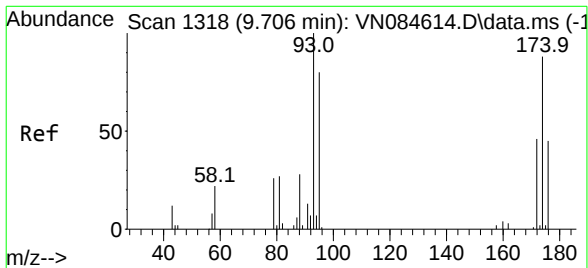
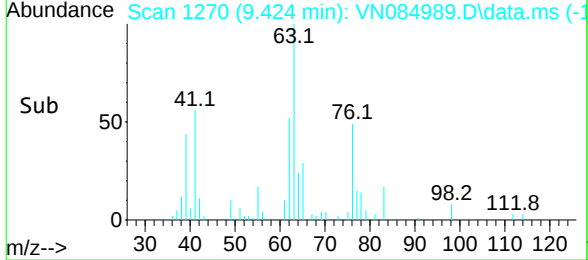
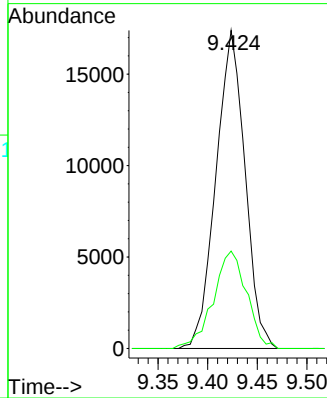
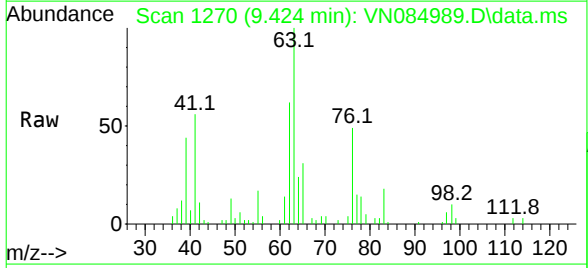




#39
1,2-Dichloropropane
Concen: 19.742 ug/l
RT: 9.424 min Scan# 12
Delta R.T. -0.194 min
Lab File: VN084989.D
Acq: 21 Nov 2024 11:20

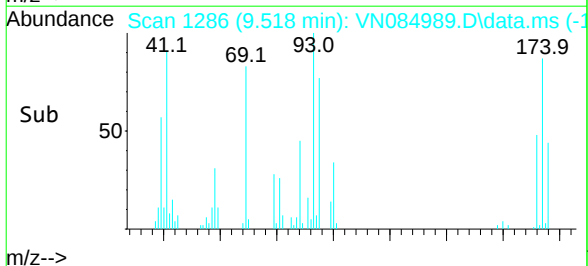
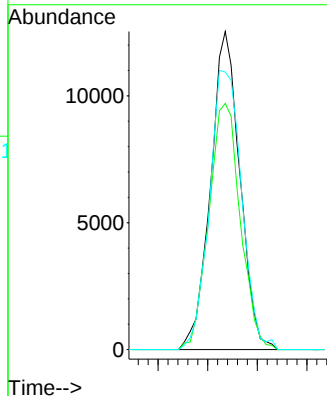
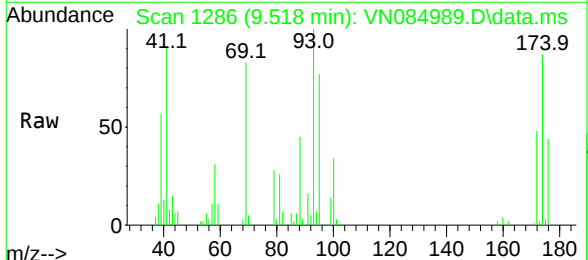
Instrument :
MSVOA_N
ClientSampleId :
VN1121WBSD01

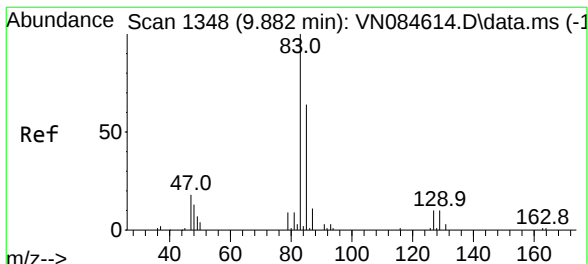
Tgt Ion: 63 Resp: 35337
Ion Ratio Lower Upper
63 100
65 30.6 27.8 41.8



#40
Dibromomethane
Concen: 20.538 ug/l
RT: 9.518 min Scan# 1286
Delta R.T. -0.188 min
Lab File: VN084989.D
Acq: 21 Nov 2024 11:20

Tgt Ion: 93 Resp: 25717
Ion Ratio Lower Upper
93 100
95 83.0 0.0 168.4
174 96.0 0.0 183.4

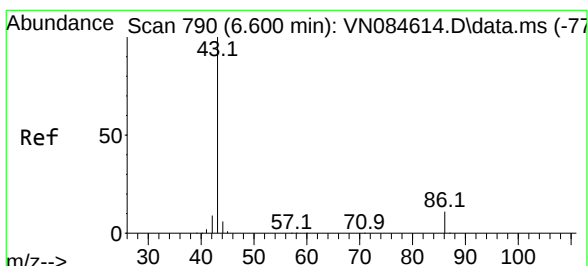
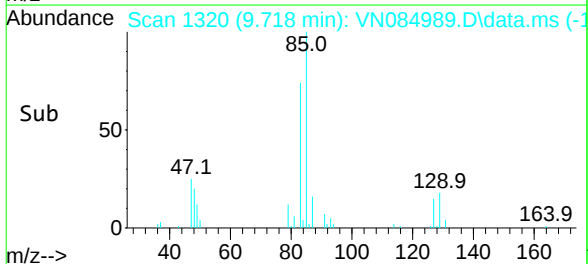
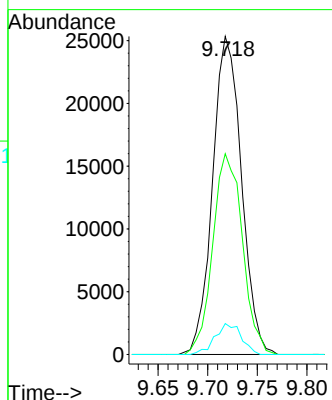
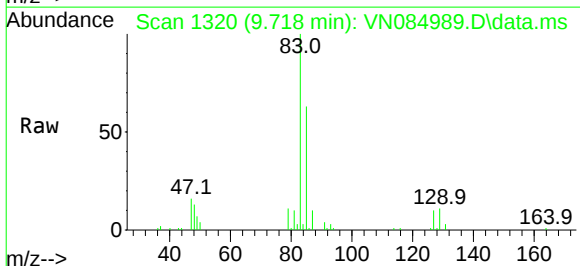




#41
 Bromodichloromethane
 Concen: 19.134 ug/l
 RT: 9.718 min Scan# 13
 Delta R.T. -0.165 min
 Lab File: VN084989.D
 Acq: 21 Nov 2024 11:20

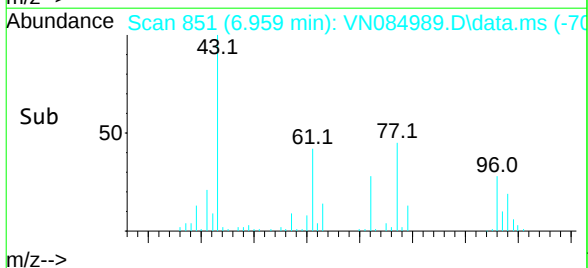
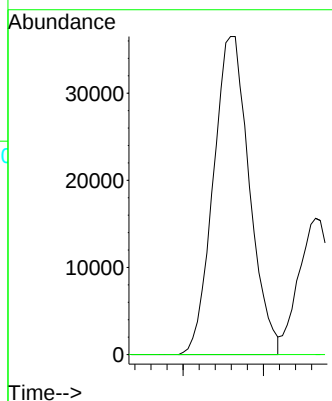
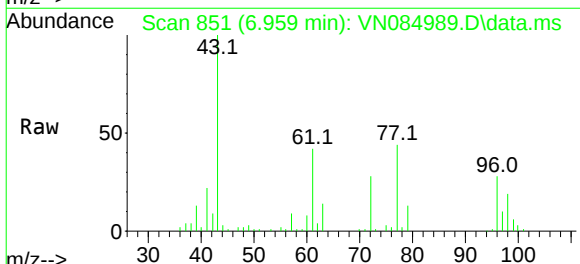
Instrument :
 MSVOA_N
 ClientSampleId :
 VN1121WBSD01

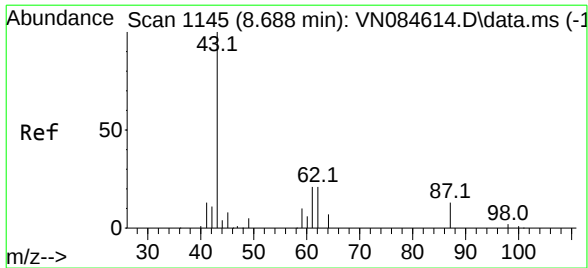
Tgt Ion:	83	Resp:	51363
Ion	Ratio	Lower	Upper
83	100		
85	63.1	51.0	76.6
127	9.7	7.8	11.6



#42
 Vinyl Acetate
 Concen: 29.407 ug/l
 RT: 6.959 min Scan# 851
 Delta R.T. 0.359 min
 Lab File: VN084989.D
 Acq: 21 Nov 2024 11:20

Tgt Ion:	43	Resp:	114064
Ion	Ratio	Lower	Upper
43	100		
86	0.0	8.6	13.0#

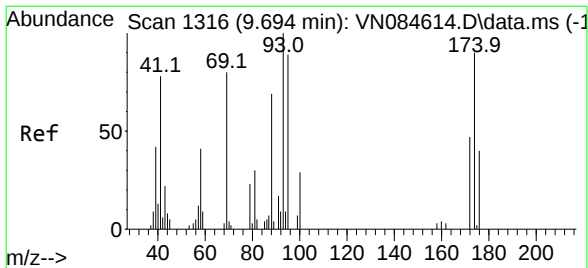
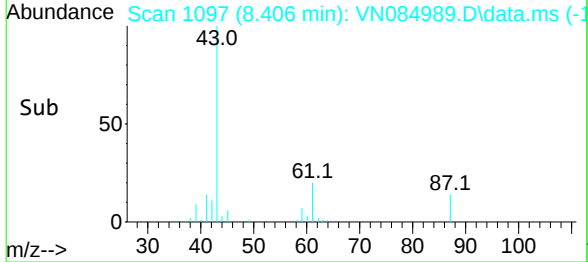
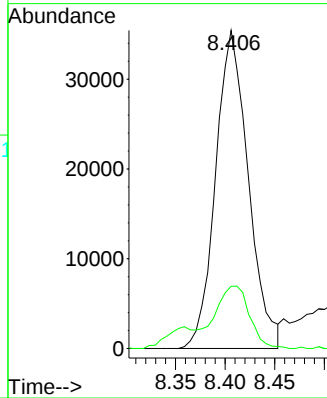
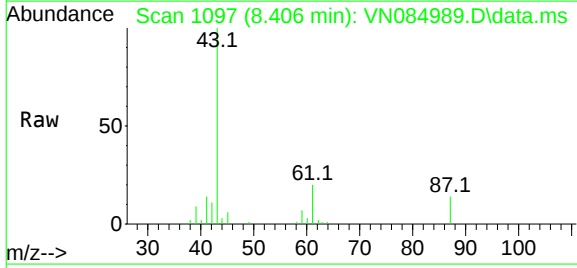




#44
Isopropyl Acetate
Concen: 18.393 ug/l
RT: 8.406 min Scan# 10
Delta R.T. -0.282 min
Lab File: VN084989.D
Acq: 21 Nov 2024 11:20

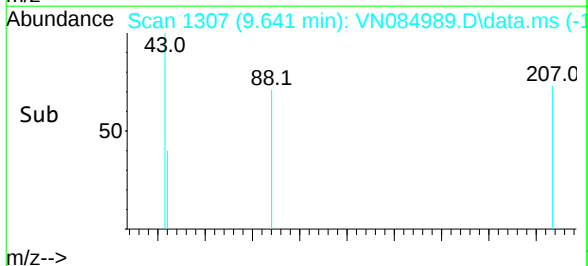
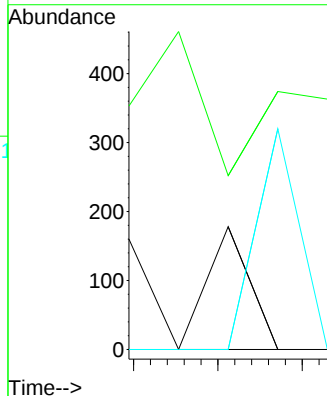
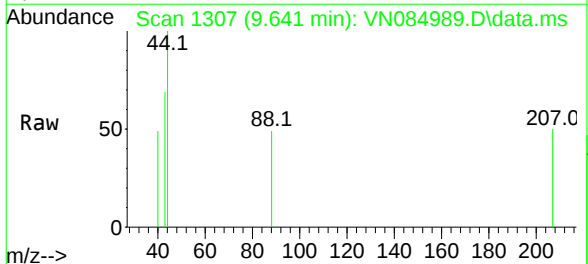
Instrument :
MSVOA_N
ClientSampleId :
VN1121WBSD01

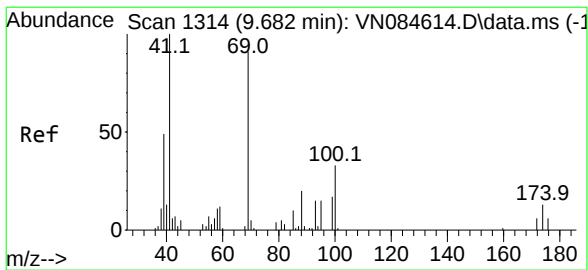
Tgt Ion: 43 Resp: 81210
Ion Ratio Lower Upper
43 100
61 19.9 19.8 29.8



#45
1,4-Dioxane
Concen: 2.137 ug/l
RT: 9.641 min Scan# 1307
Delta R.T. -0.053 min
Lab File: VN084989.D
Acq: 21 Nov 2024 11:20

Tgt Ion: 88 Resp: 63
Ion Ratio Lower Upper
88 100
43 804.8 20.8 31.2#
58 0.0 53.4 80.2#



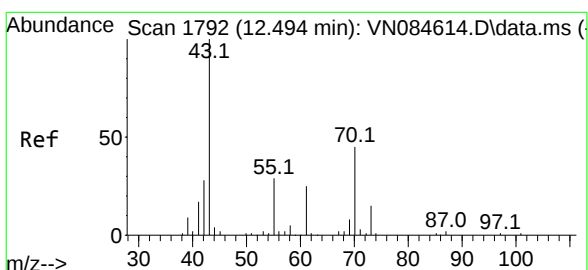
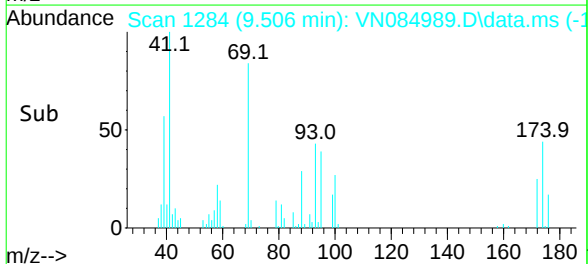
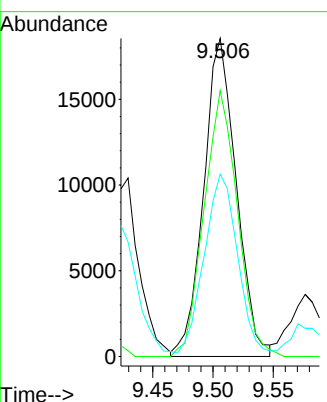
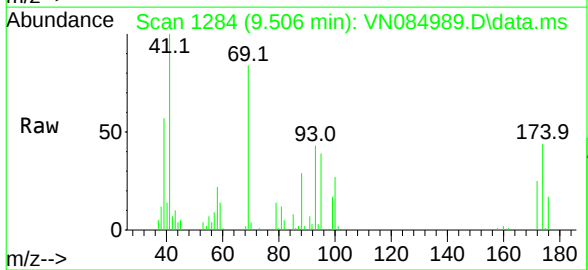


#46
Methyl methacrylate
Concen: 19.656 ug/l
RT: 9.506 min Scan# 12
Delta R.T. -0.177 min
Lab File: VN084989.D
Acq: 21 Nov 2024 11:20

Instrument :
MSVOA_N
ClientSampleId :
VN1121WBSD01

Tgt Ion: 41 Resp: 34877

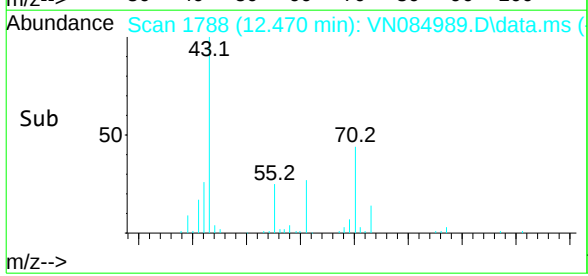
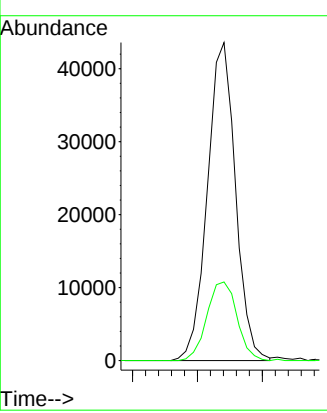
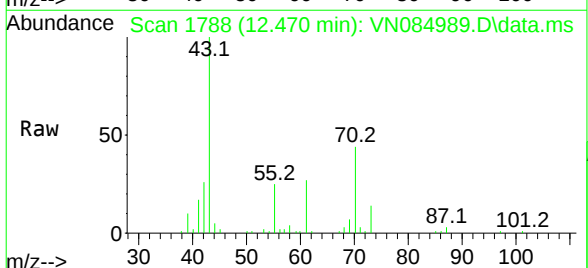
Ion	Ratio	Lower	Upper
41	100		
69	84.7	43.4	130.2
39	56.5	24.7	74.1

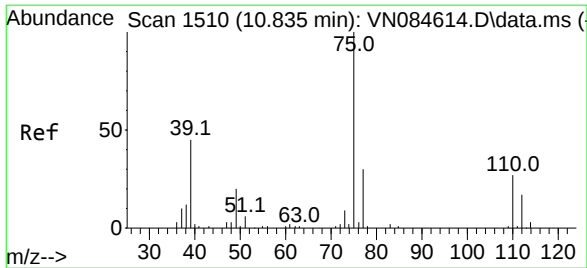


#47
n-amyI Acetate
Concen: 19.929 ug/l
RT: 12.470 min Scan# 1788
Delta R.T. -0.024 min
Lab File: VN084989.D
Acq: 21 Nov 2024 11:20

Tgt Ion: 43 Resp: 65715

Ion	Ratio	Lower	Upper
43	100		
55	26.5	22.0	33.0





#48

t-1,3-Dichloropropene

Concen: 19.597 ug/l

RT: 10.741 min Scan# 14

Delta R.T. -0.094 min

Lab File: VN084989.D

Acq: 21 Nov 2024 11:20

Instrument :

MSVOA_N

ClientSampleId :

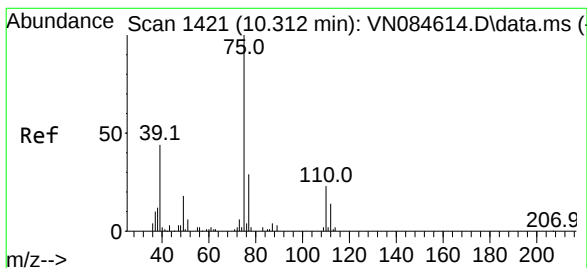
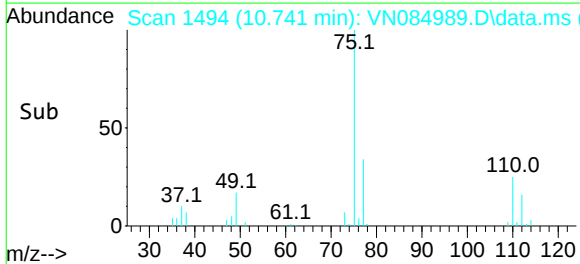
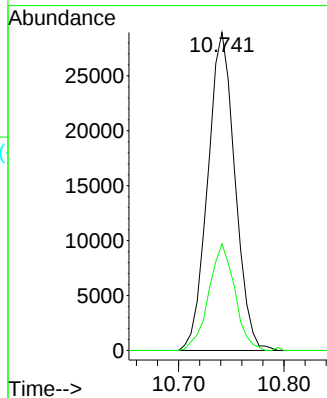
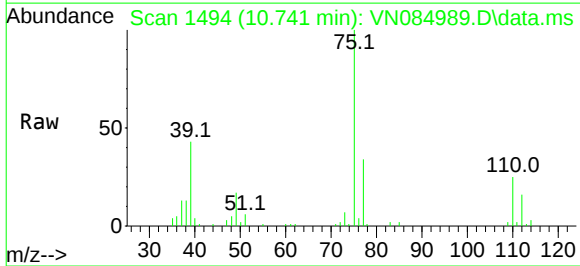
VN1121WBSD01

Tgt Ion: 75 Resp: 51944

Ion Ratio Lower Upper

75 100

77 33.5 24.4 36.6



#49

cis-1,3-Dichloropropene

Concen: 19.811 ug/l

RT: 10.176 min Scan# 1398

Delta R.T. -0.135 min

Lab File: VN084989.D

Acq: 21 Nov 2024 11:20

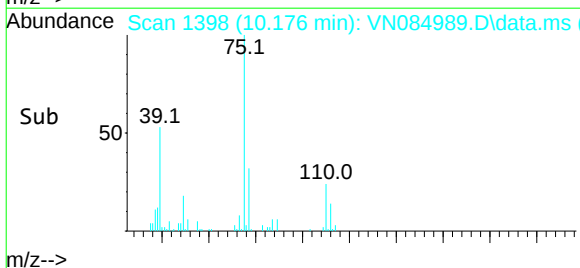
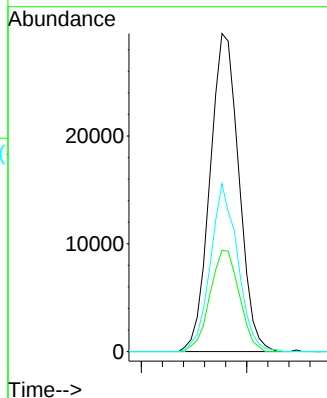
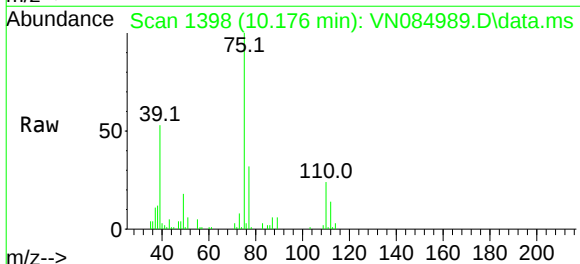
Tgt Ion: 75 Resp: 56280

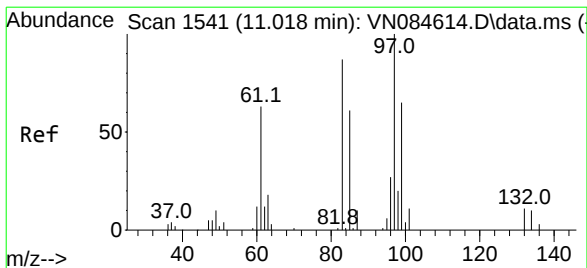
Ion Ratio Lower Upper

75 100

77 31.8 23.4 35.2

39 52.8 35.4 53.2





#50

1,1,2-Trichloroethane

Concen: 20.939 ug/l

RT: 10.929 min Scan# 15

Delta R.T. -0.088 min

Lab File: VN084989.D

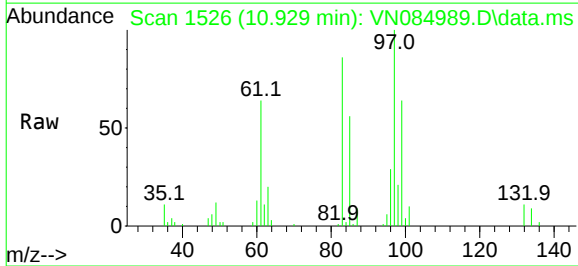
Acq: 21 Nov 2024 11:20

Instrument :

MSVOA_N

ClientSampleId :

VN1121WBSD01



Tgt Ion: 97 Resp: 35170

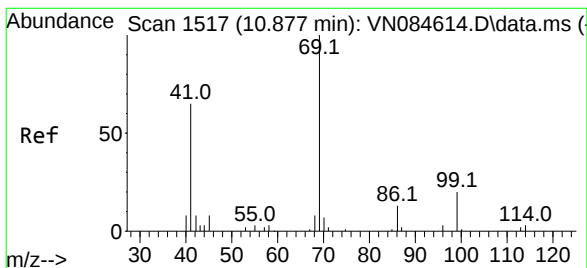
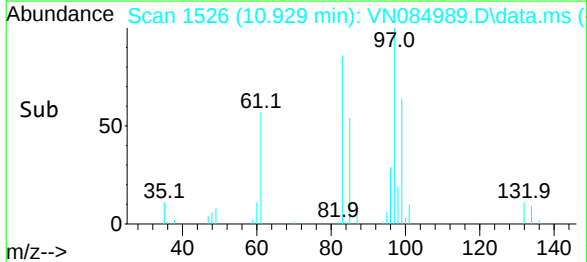
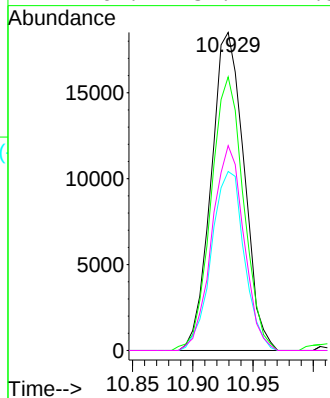
Ion Ratio Lower Upper

97 100

83 86.0 69.8 104.8

85 56.3 48.6 73.0

99 64.4 52.9 79.3



#51

Ethyl methacrylate

Concen: 19.357 ug/l

RT: 10.788 min Scan# 1502

Delta R.T. -0.088 min

Lab File: VN084989.D

Acq: 21 Nov 2024 11:20

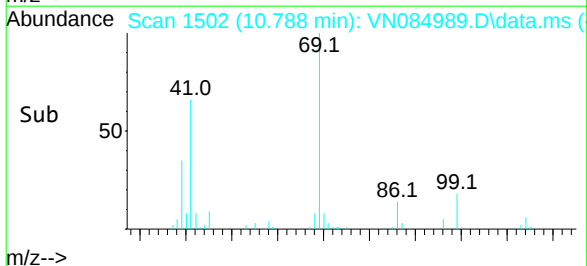
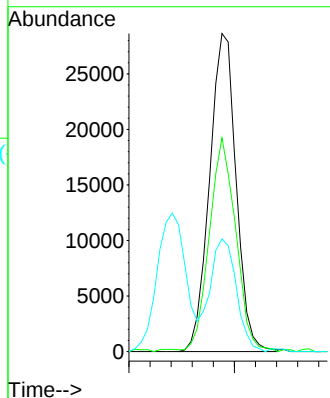
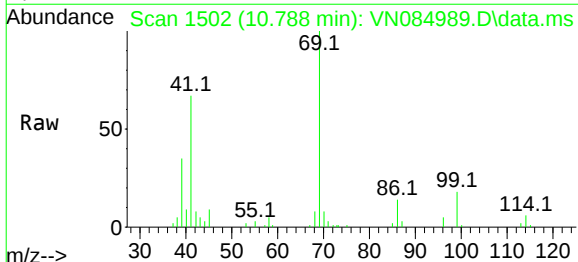
Tgt Ion: 69 Resp: 50115

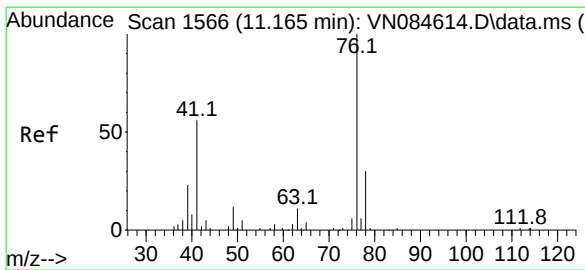
Ion Ratio Lower Upper

69 100

41 67.2 32.8 98.3

39 34.7 15.4 46.1





#52

1,3-Dichloropropane

Concen: 20.222 ug/l

RT: 11.082 min Scan# 15

Delta R.T. -0.082 min

Lab File: VN084989.D

Acq: 21 Nov 2024 11:20

Instrument :

MSVOA_N

ClientSampleId :

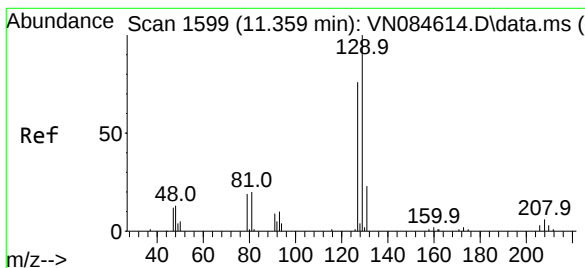
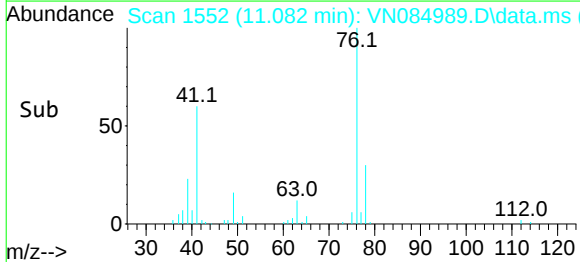
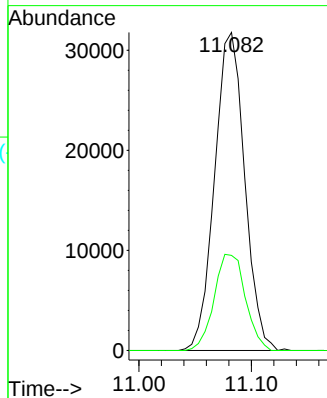
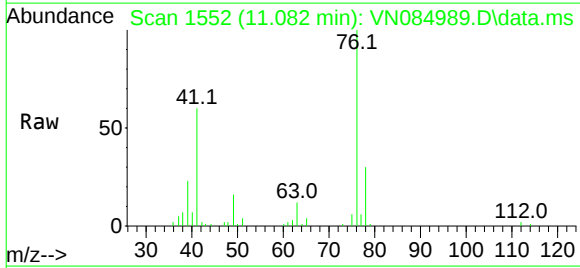
VN1121WBSD01

Tgt Ion: 76 Resp: 58956

Ion Ratio Lower Upper

76 100

78 31.5 0.0 64.0



#53

Dibromochloromethane

Concen: 20.617 ug/l

RT: 11.282 min Scan# 1586

Delta R.T. -0.077 min

Lab File: VN084989.D

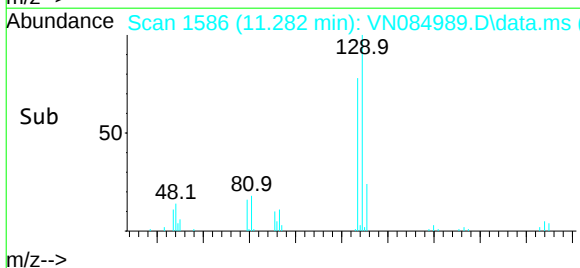
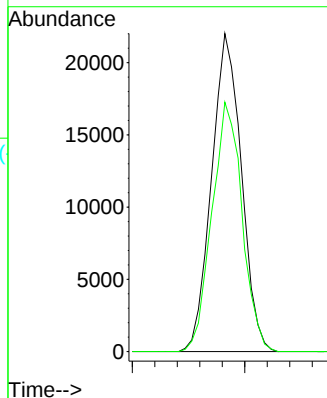
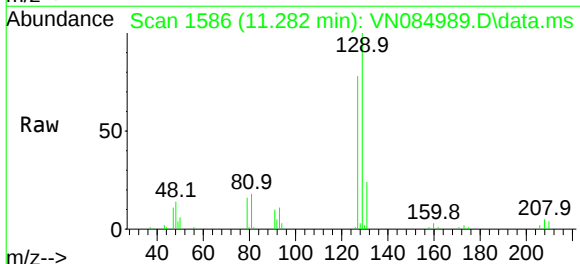
Acq: 21 Nov 2024 11:20

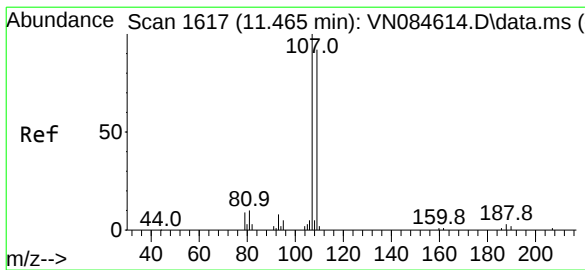
Tgt Ion: 129 Resp: 40524

Ion Ratio Lower Upper

129 100

127 79.2 39.6 119.0





#54

1,2-Dibromoethane

Concen: 20.563 ug/l

RT: 11.394 min Scan# 1617

Delta R.T. -0.071 min

Lab File: VN084989.D

Acq: 21 Nov 2024 11:20

Instrument :

MSVOA_N

ClientSampleId :

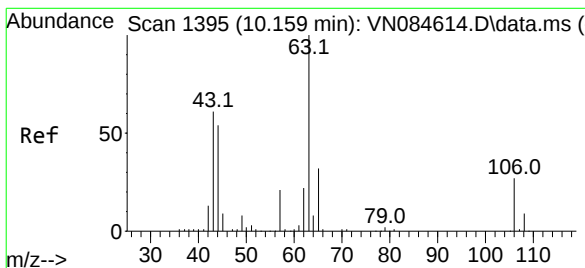
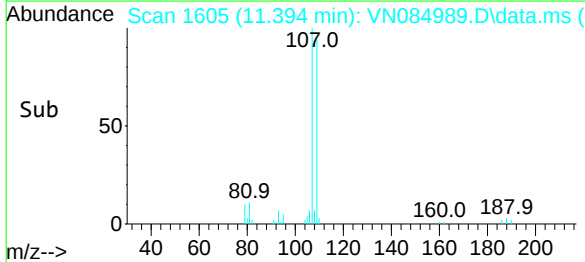
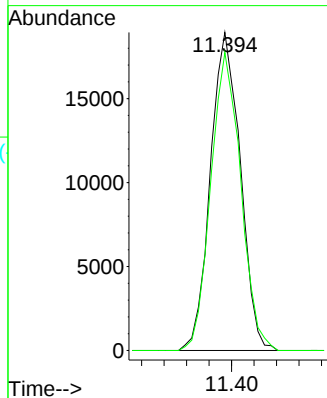
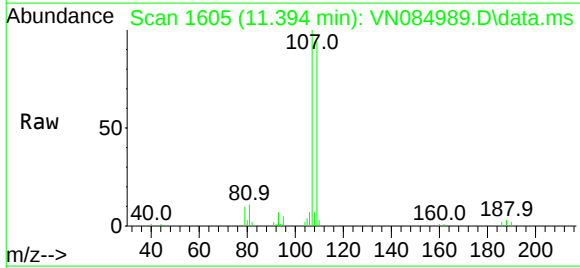
VN1121WBSD01

Tgt Ion:107 Resp: 34932

Ion Ratio Lower Upper

107 100

109 94.1 73.4 110.0



#55

2-Chloroethyl vinyl ether

Concen: 88.421 ug/l

RT: 10.024 min Scan# 1372

Delta R.T. -0.135 min

Lab File: VN084989.D

Acq: 21 Nov 2024 11:20

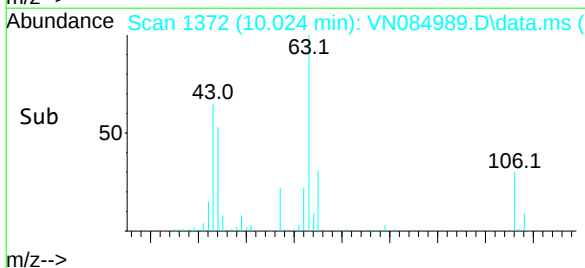
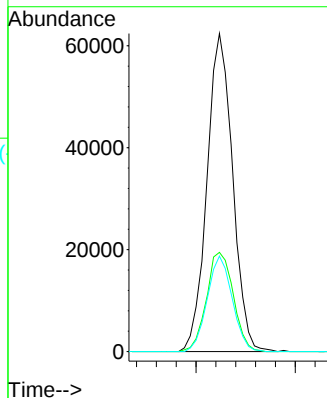
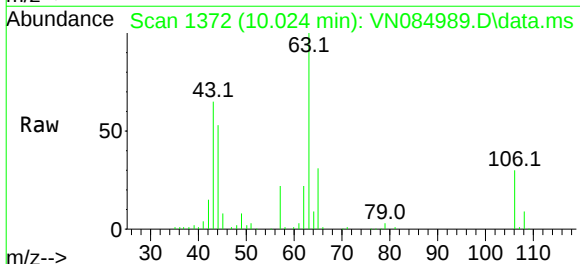
Tgt Ion: 63 Resp: 112235

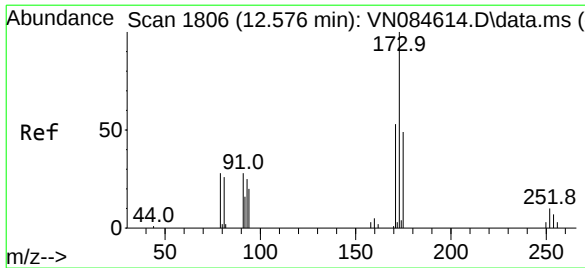
Ion Ratio Lower Upper

63 100

65 32.6 25.5 38.3

106 29.2 22.3 33.5





#56

Bromoform

Concen: 20.533 ug/l

RT: 12.541 min Scan# 18

Delta R.T. -0.035 min

Lab File: VN084989.D

Acq: 21 Nov 2024 11:20

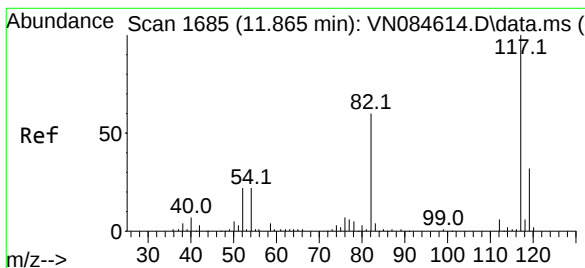
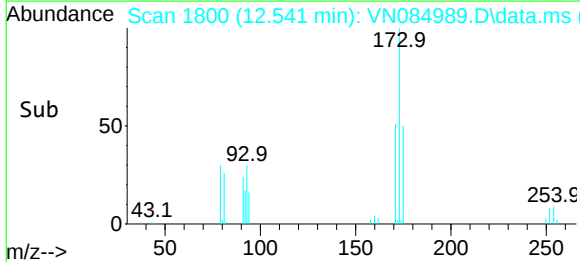
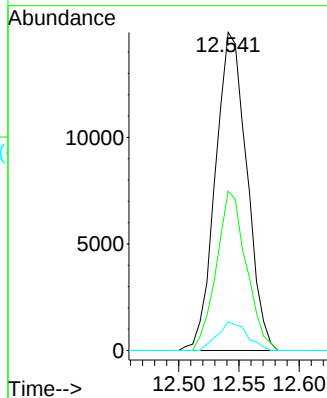
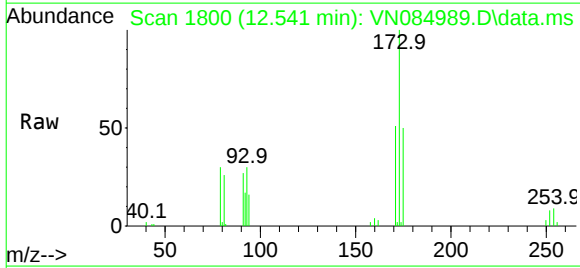
Instrument :

MSVOA_N

ClientSampleId :

VN1121WBSD01

Tgt Ion:	173	Resp:	27052
Ion Ratio	Lower	Upper	
173	100		
175	47.6	39.4	59.2
254	8.5	6.4	9.6



#57

Chlorobenzene-d5

Concen: 30.000 ug/l

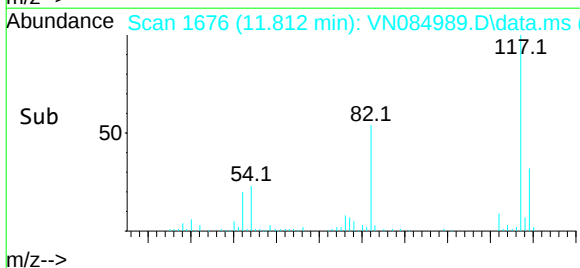
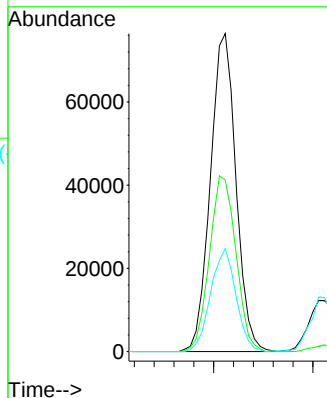
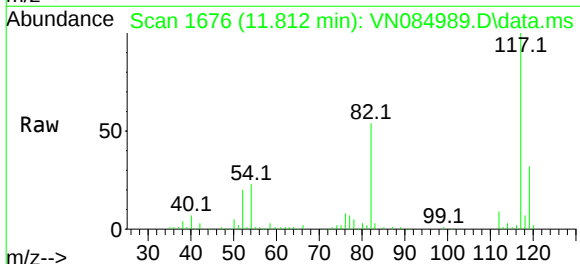
RT: 11.812 min Scan# 1676

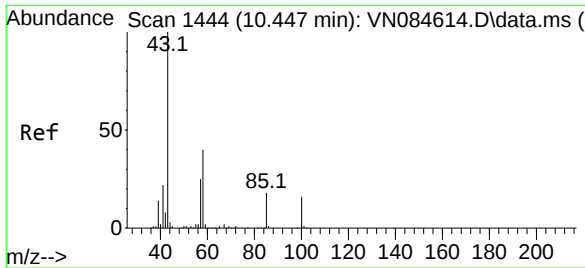
Delta R.T. -0.053 min

Lab File: VN084989.D

Acq: 21 Nov 2024 11:20

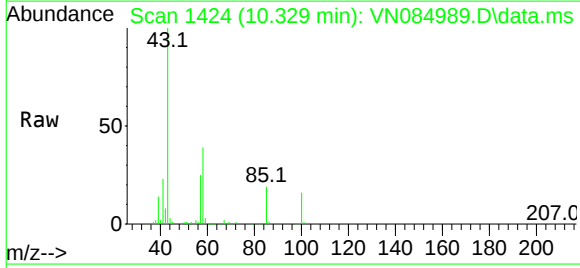
Tgt Ion:	117	Resp:	136882
Ion Ratio	Lower	Upper	
117	100		
82	57.1	45.5	68.3
119	32.0	25.3	37.9



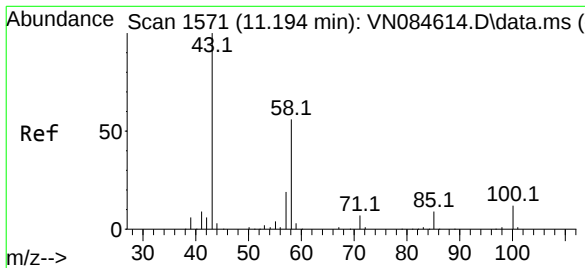
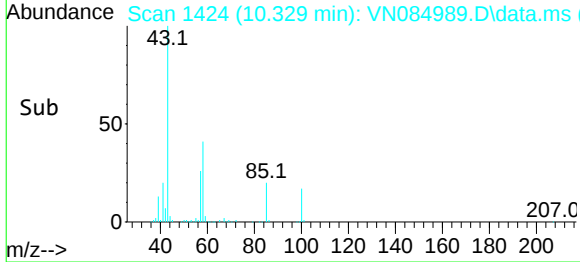
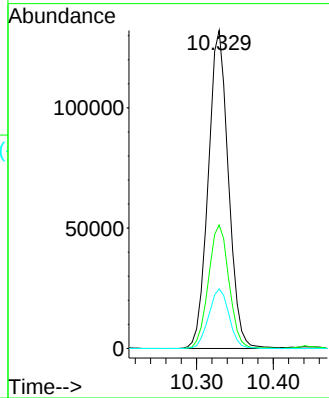


#58
4-Methyl-2-Pentanone
Concen: 111.962 ug/l
RT: 10.329 min Scan# 14
Delta R.T. -0.118 min
Lab File: VN084989.D
Acq: 21 Nov 2024 11:20

Instrument :
MSVOA_N
ClientSampleId :
VN1121WBSD01

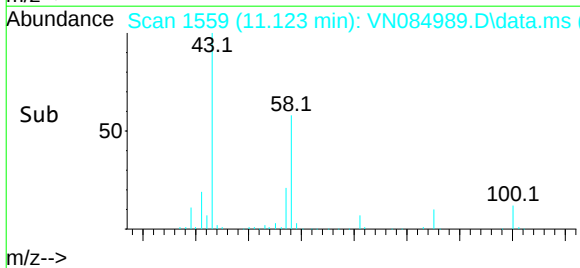
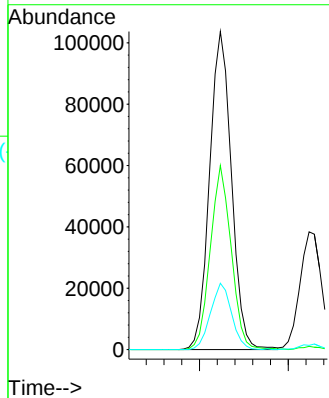
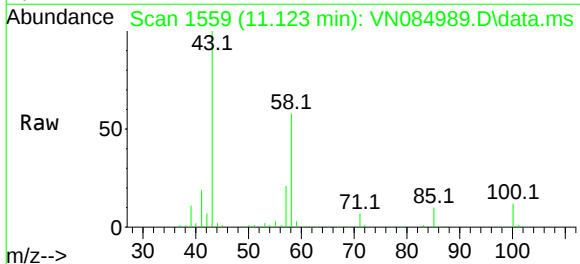


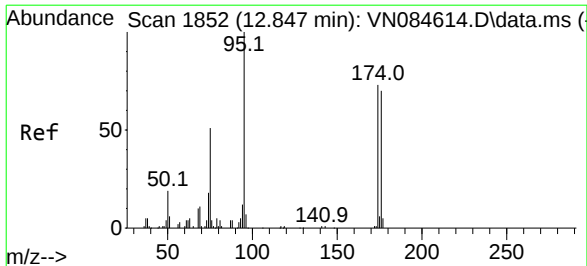
Tgt Ion: 43 Resp: 241779
Ion Ratio Lower Upper
43 100
58 39.6 31.2 46.8
85 18.8 14.9 22.3



#59
2-Hexanone
Concen: 112.232 ug/l
RT: 11.123 min Scan# 1559
Delta R.T. -0.071 min
Lab File: VN084989.D
Acq: 21 Nov 2024 11:20

Tgt Ion: 43 Resp: 177472
Ion Ratio Lower Upper
43 100
58 55.2 43.8 65.6
57 20.1 15.0 22.6





#60

4-Bromofluorobenzene

Concen: 30.335 ug/l

RT: 12.823 min Scan# 18

Delta R.T. -0.024 min

Lab File: VN084989.D

Acq: 21 Nov 2024 11:20

Instrument :

MSVOA_N

ClientSampleId :

VN1121WBSD01

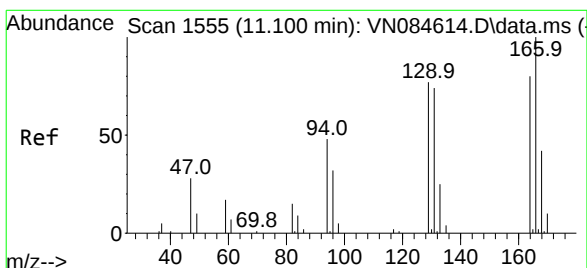
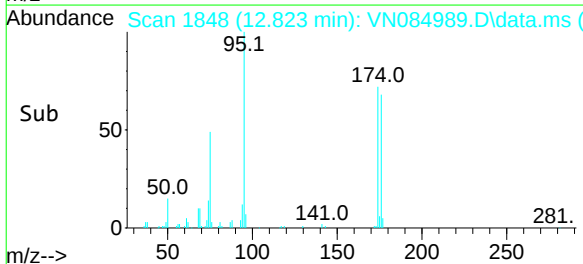
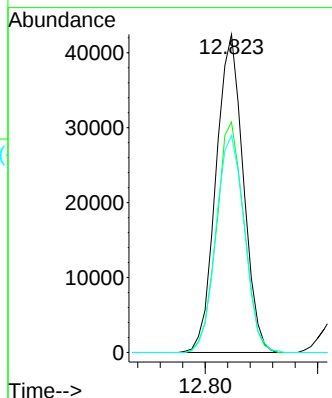
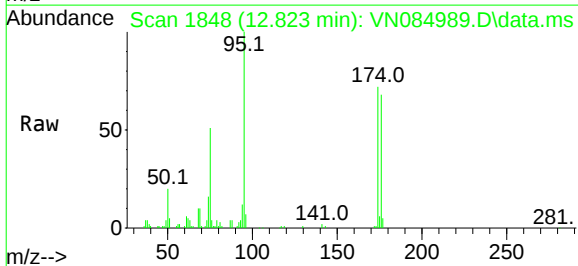
Tgt Ion: 95 Resp: 71496

Ion Ratio Lower Upper

95 100

174 73.1 59.6 89.4

176 71.5 58.6 88.0



#61

Tetrachloroethene

Concen: 19.718 ug/l

RT: 11.018 min Scan# 1541

Delta R.T. -0.082 min

Lab File: VN084989.D

Acq: 21 Nov 2024 11:20

Tgt Ion: 164 Resp: 28247

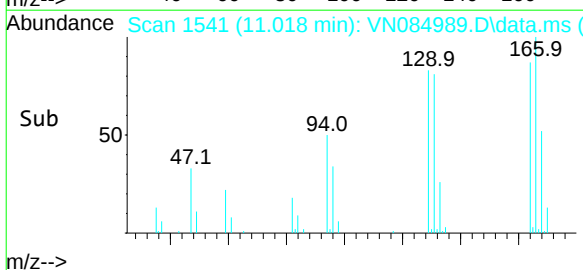
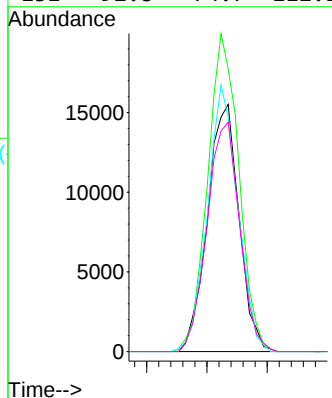
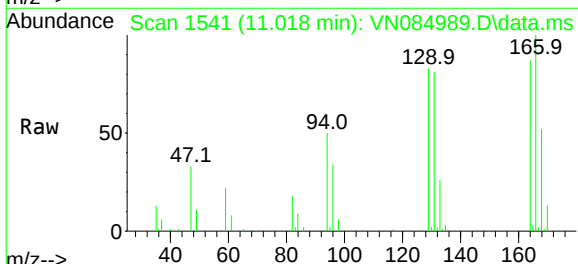
Ion Ratio Lower Upper

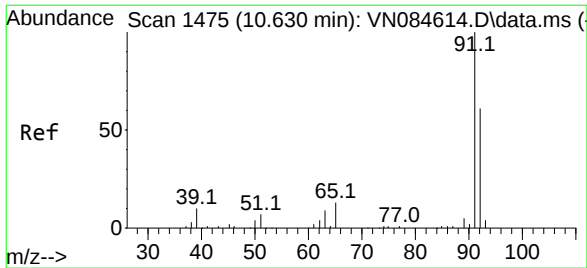
164 100

166 114.3 100.5 150.7

129 94.7 77.7 116.5

131 92.8 74.7 112.1





#62

Toluene

Concen: 19.453 ug/l

RT: 10.518 min Scan# 14

Delta R.T. -0.112 min

Lab File: VN084989.D

Acq: 21 Nov 2024 11:20

Instrument :

MSVOA_N

ClientSampleId :

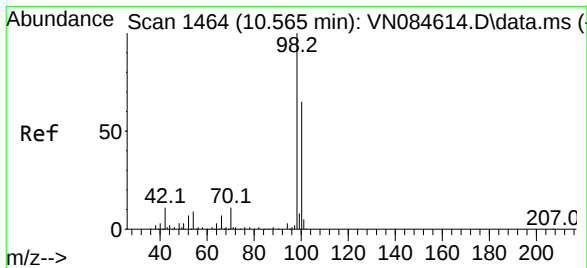
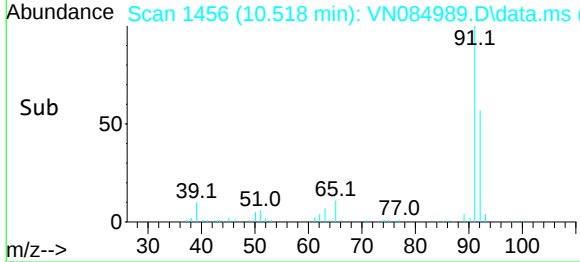
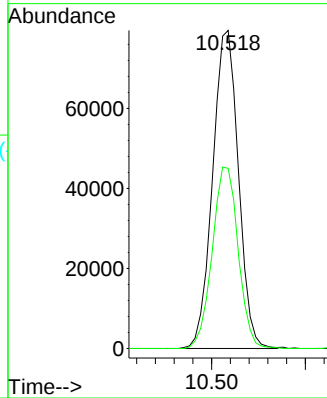
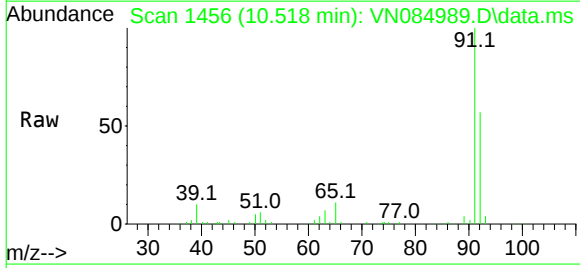
VN1121WBSD01

Tgt Ion: 91 Resp: 151665

Ion Ratio Lower Upper

91 100

92 57.4 47.5 71.3



#63

Toluene-d8

Concen: 29.679 ug/l

RT: 10.447 min Scan# 1444

Delta R.T. -0.118 min

Lab File: VN084989.D

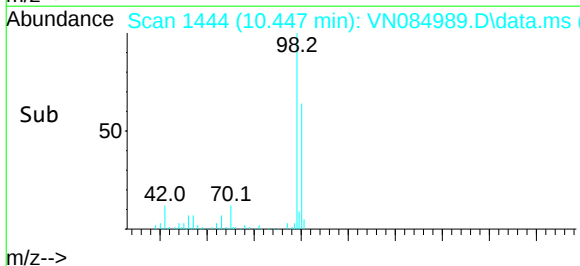
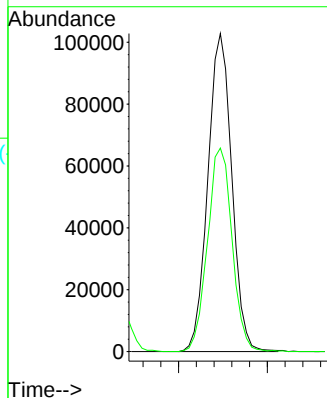
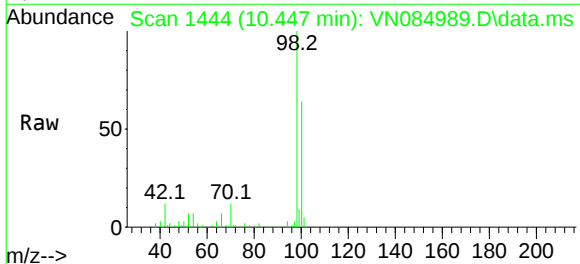
Acq: 21 Nov 2024 11:20

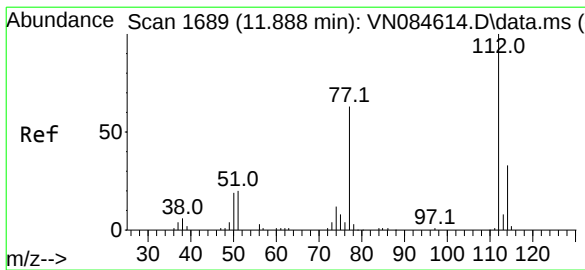
Tgt Ion: 98 Resp: 192319

Ion Ratio Lower Upper

98 100

100 65.7 52.2 78.2





#64

Chlorobenzene

Concen: 20.310 ug/l

RT: 11.835 min Scan# 16

Delta R.T. -0.053 min

Lab File: VN084989.D

Acq: 21 Nov 2024 11:20

Instrument :

MSVOA_N

ClientSampleId :

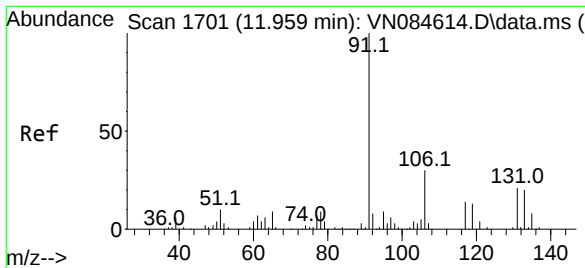
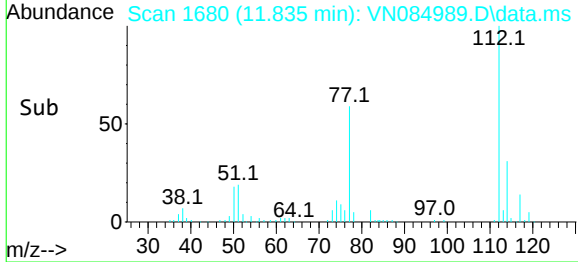
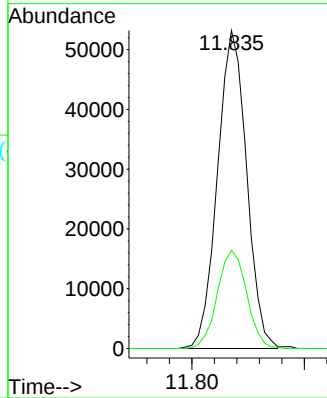
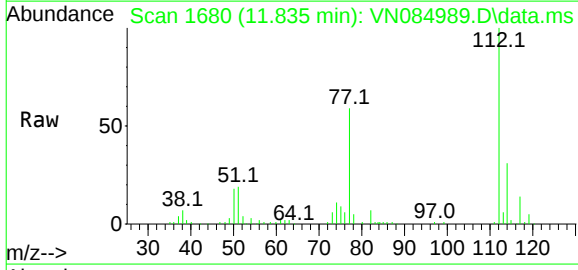
VN1121WBSD01

Tgt Ion:112 Resp: 95590

Ion Ratio Lower Upper

112 100

114 30.9 26.2 39.4



#65

1,1,1,2-Tetrachloroethane

Concen: 20.261 ug/l

RT: 11.912 min Scan# 1693

Delta R.T. -0.047 min

Lab File: VN084989.D

Acq: 21 Nov 2024 11:20

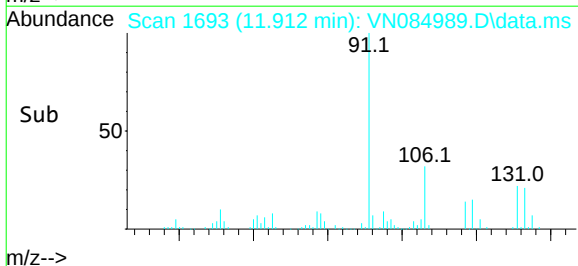
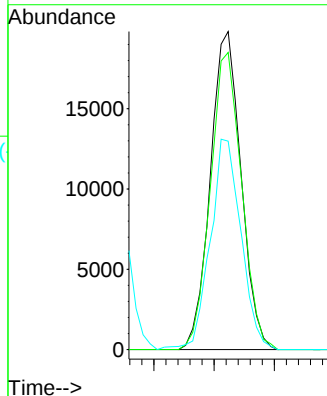
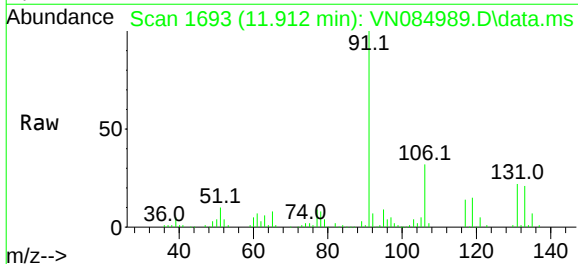
Tgt Ion:131 Resp: 35045

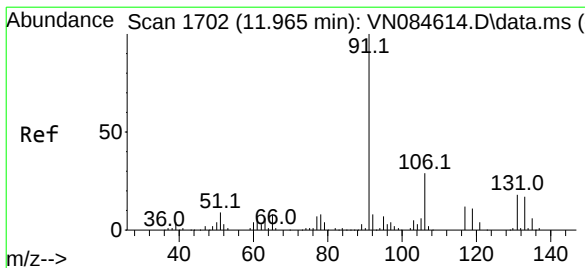
Ion Ratio Lower Upper

131 100

133 95.2 0.0 189.2

119 66.2 0.0 129.4





#66

Ethyl Benzene

Concen: 18.918 ug/l

RT: 11.912 min Scan# 16

Delta R.T. -0.053 min

Lab File: VN084989.D

Acq: 21 Nov 2024 11:20

Instrument :

MSVOA_N

ClientSampleId :

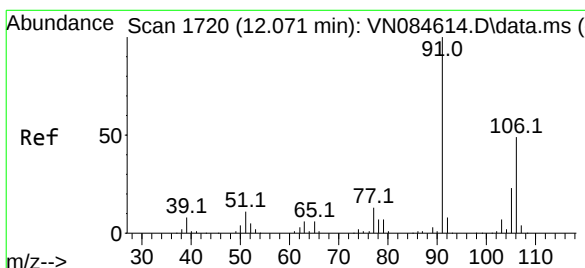
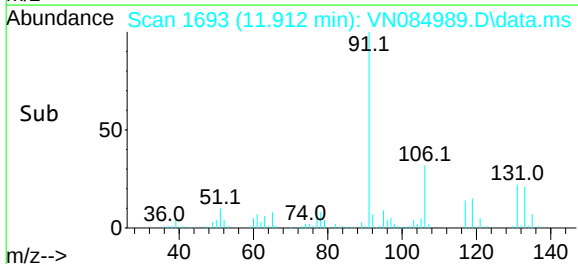
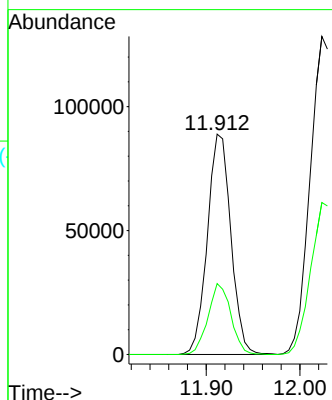
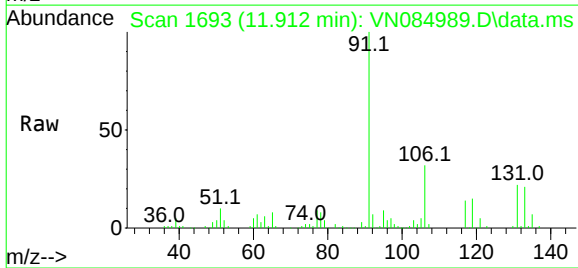
VN1121WBSD01

Tgt Ion: 91 Resp: 155004

Ion Ratio Lower Upper

91 100

106 32.2 22.9 34.3



#67

m/p-Xylenes

Concen: 38.790 ug/l

RT: 12.023 min Scan# 1712

Delta R.T. -0.047 min

Lab File: VN084989.D

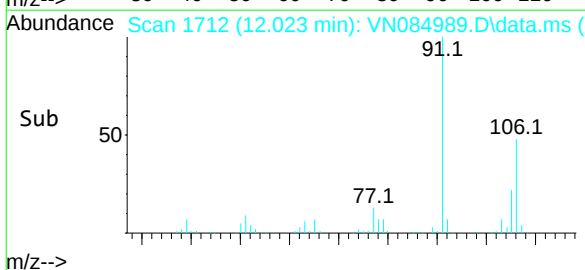
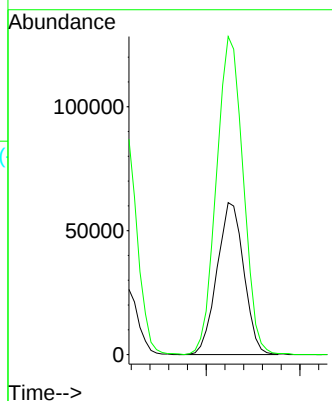
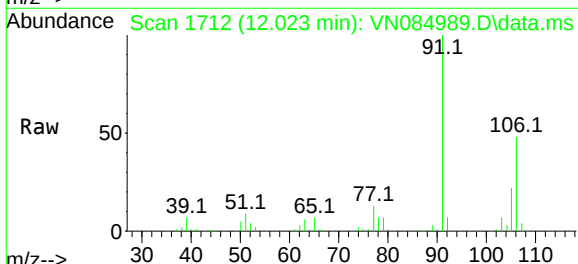
Acq: 21 Nov 2024 11:20

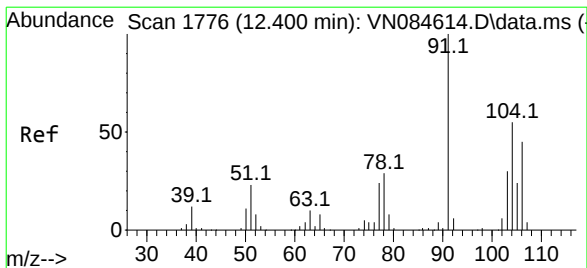
Tgt Ion:106 Resp: 121679

Ion Ratio Lower Upper

106 100

91 208.9 168.1 252.1





#68

o-Xylene

Concen: 19.009 ug/l

RT: 12.365 min Scan# 17

Delta R.T. -0.035 min

Lab File: VN084989.D

Acq: 21 Nov 2024 11:20

Instrument :

MSVOA_N

ClientSampleId :

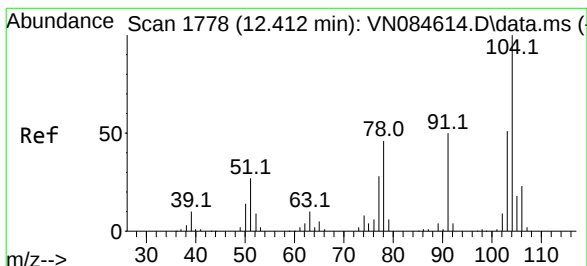
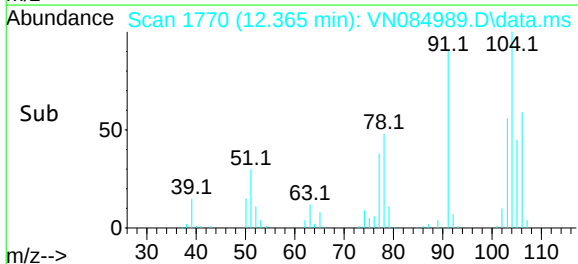
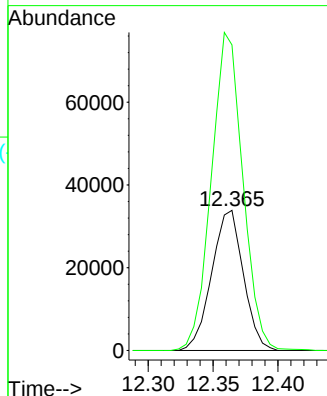
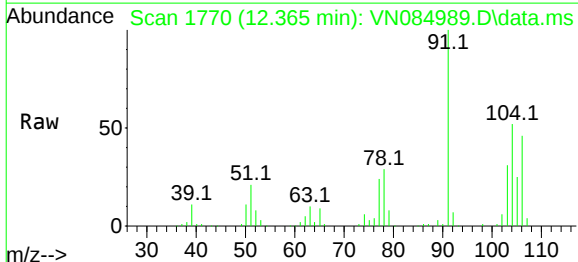
VN1121WBSD01

Tgt Ion:106 Resp: 57518

Ion Ratio Lower Upper

106 100

91 225.5 107.7 322.9



#69

Styrene

Concen: 19.566 ug/l

RT: 12.376 min Scan# 1772

Delta R.T. -0.035 min

Lab File: VN084989.D

Acq: 21 Nov 2024 11:20

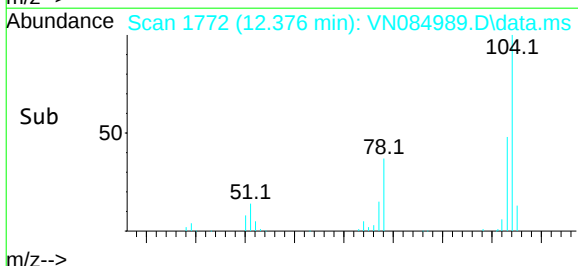
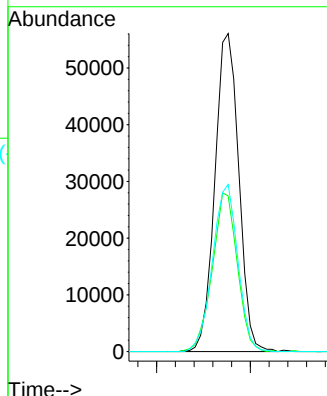
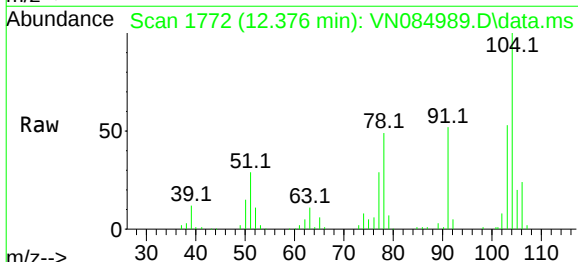
Tgt Ion:104 Resp: 99271

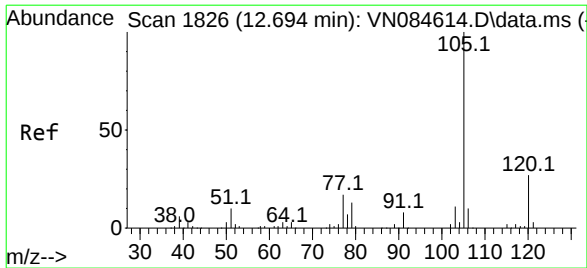
Ion Ratio Lower Upper

104 100

78 52.1 41.5 62.3

103 55.5 44.6 67.0





#70

Isopropylbenzene

Concen: 19.213 ug/l

RT: 12.665 min Scan# 18

Delta R.T. -0.030 min

Lab File: VN084989.D

Acq: 21 Nov 2024 11:20

Instrument :

MSVOA_N

ClientSampleId :

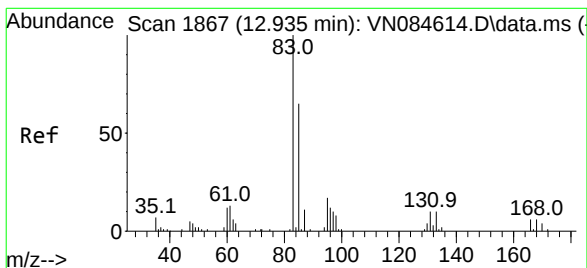
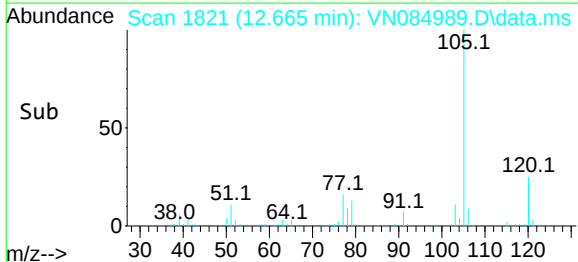
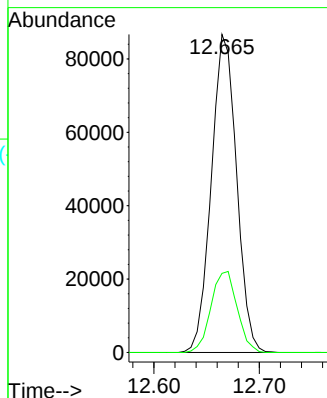
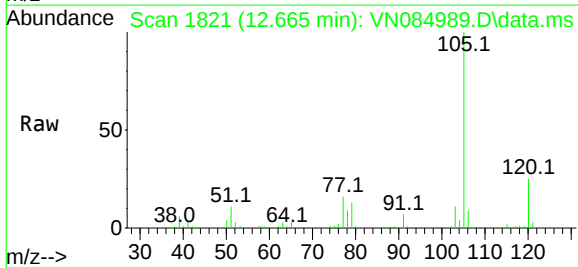
VN1121WBSD01

Tgt Ion:105 Resp: 144422

Ion Ratio Lower Upper

105 100

120 26.4 18.7 34.7



#71

1,1,2,2-Tetrachloroethane

Concen: 22.053 ug/l

RT: 12.917 min Scan# 1864

Delta R.T. -0.018 min

Lab File: VN084989.D

Acq: 21 Nov 2024 11:20

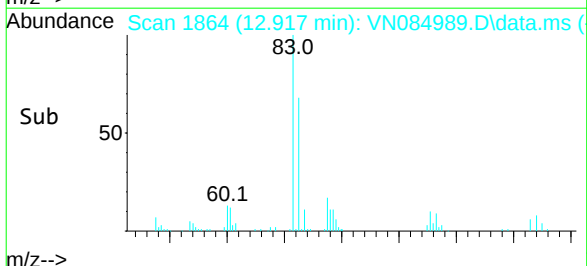
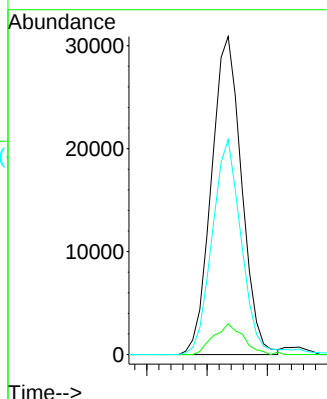
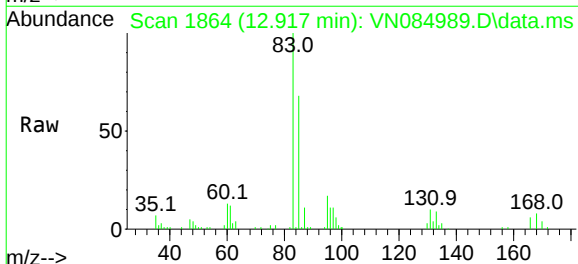
Tgt Ion: 83 Resp: 53729

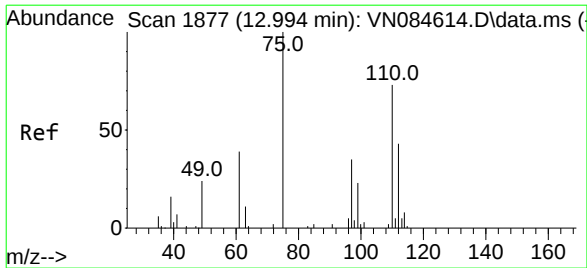
Ion Ratio Lower Upper

83 100

131 9.5 5.1 15.3

85 65.4 33.3 99.9





#72

1,2,3-Trichloropropane

Concen: 32.458 ug/l

RT: 12.970 min Scan# 18

Delta R.T. -0.024 min

Lab File: VN084989.D

Acq: 21 Nov 2024 11:20

Instrument :

MSVOA_N

ClientSampleId :

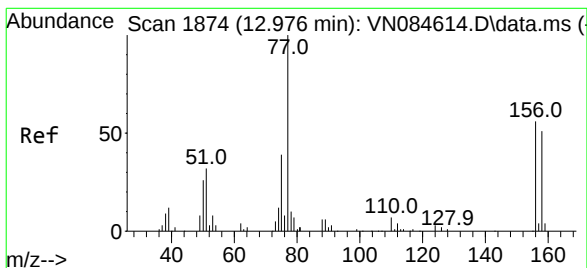
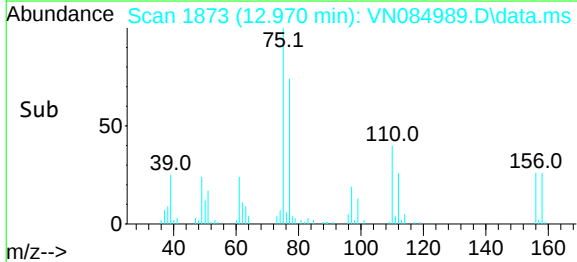
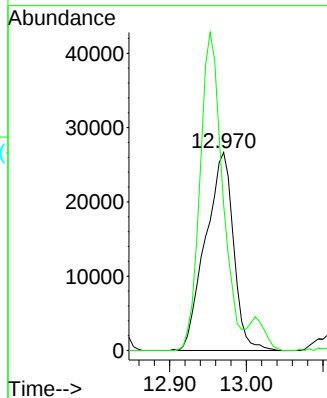
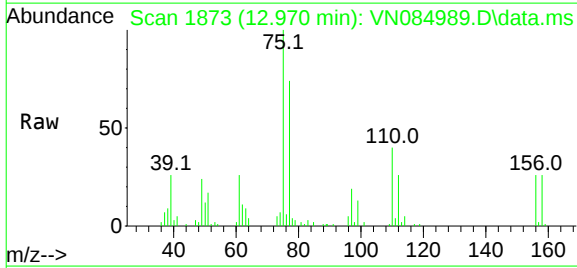
VN1121WBSD01

Tgt Ion: 75 Resp: 67525

Ion Ratio Lower Upper

75 100

77 129.0 0.0 358.4



#73

Bromobenzene

Concen: 19.794 ug/l

RT: 12.953 min Scan# 1870

Delta R.T. -0.024 min

Lab File: VN084989.D

Acq: 21 Nov 2024 11:20

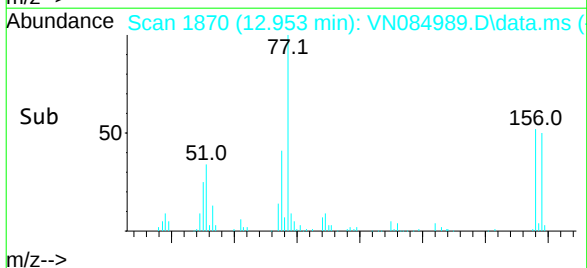
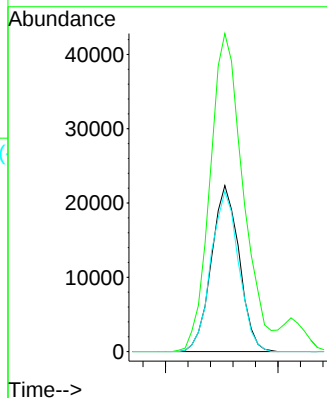
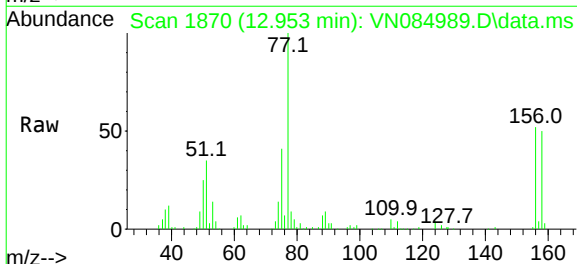
Tgt Ion:156 Resp: 38375

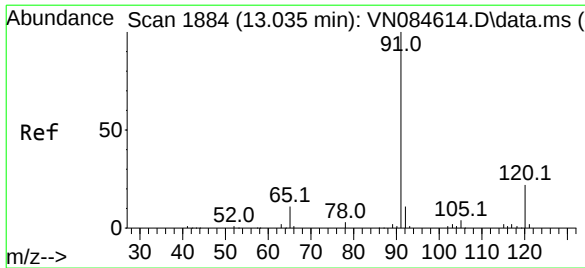
Ion Ratio Lower Upper

156 100

77 226.9 0.0 427.6

158 96.4 0.0 191.6





#74

n-propylbenzene

Concen: 19.637 ug/l

RT: 13.012 min Scan# 18

Delta R.T. -0.024 min

Lab File: VN084989.D

Acq: 21 Nov 2024 11:20

Instrument :

MSVOA_N

ClientSampleId :

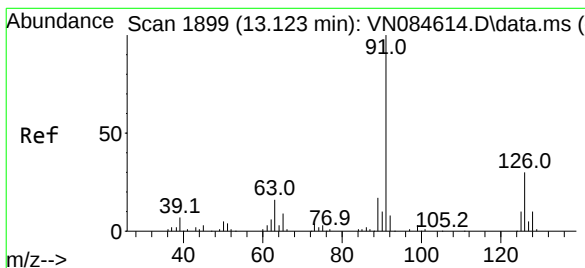
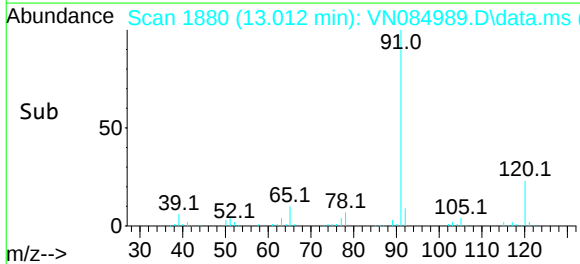
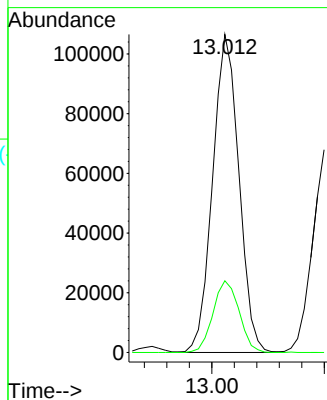
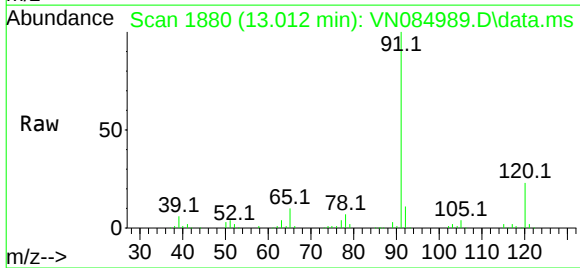
VN1121WBSD01

Tgt Ion: 91 Resp: 172606

Ion Ratio Lower Upper

91 100

120 22.3 0.0 44.0



#75

2-Chlorotoluene

Concen: 20.095 ug/l

RT: 13.100 min Scan# 1895

Delta R.T. -0.024 min

Lab File: VN084989.D

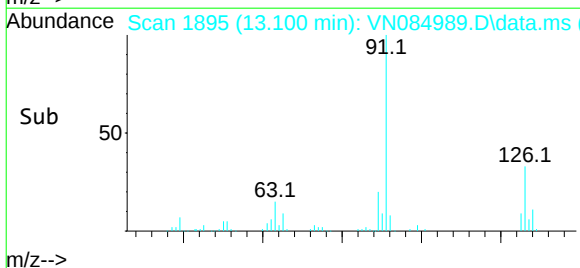
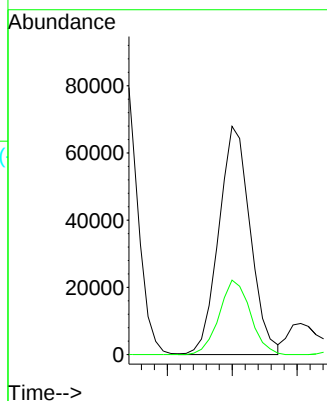
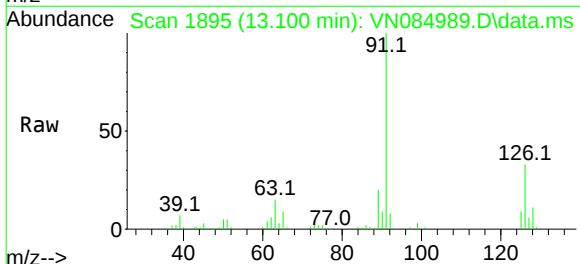
Acq: 21 Nov 2024 11:20

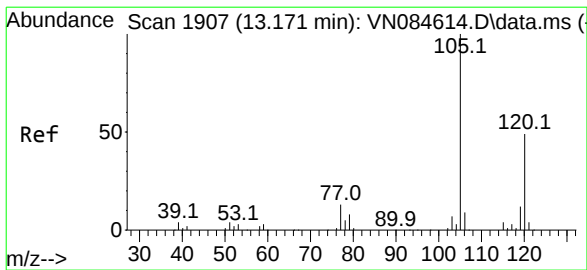
Tgt Ion: 91 Resp: 115024

Ion Ratio Lower Upper

91 100

126 32.1 0.0 60.8





#76

1,3,5-Trimethylbenzene

Concen: 19.988 ug/l

RT: 13.153 min Scan# 1904

Delta R.T. -0.018 min

Lab File: VN084989.D

Acq: 21 Nov 2024 11:20

Instrument :

MSVOA_N

ClientSampleId :

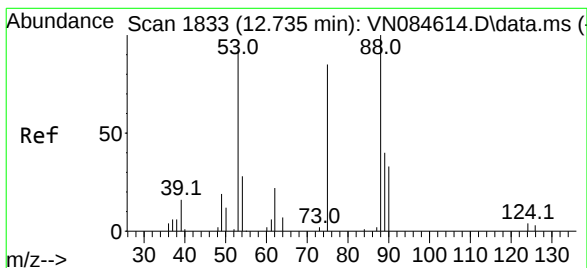
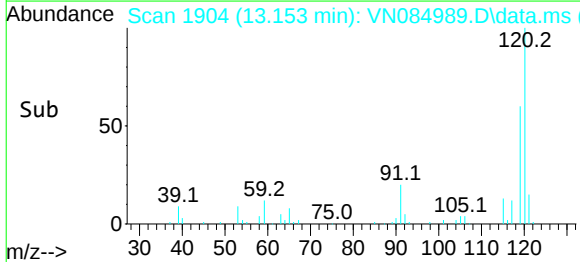
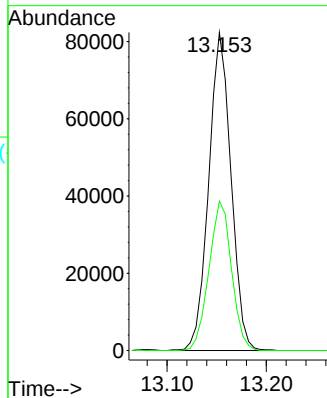
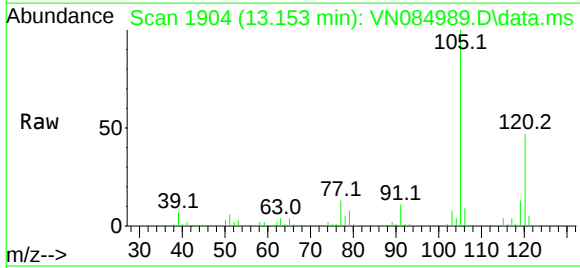
VN1121WBSD01

Tgt Ion:105 Resp: 128372

Ion Ratio Lower Upper

105 100

120 47.6 0.0 96.8



#77

t-1,4-Dichloro-2-butene

Concen: 21.008 ug/l

RT: 12.712 min Scan# 1829

Delta R.T. -0.024 min

Lab File: VN084989.D

Acq: 21 Nov 2024 11:20

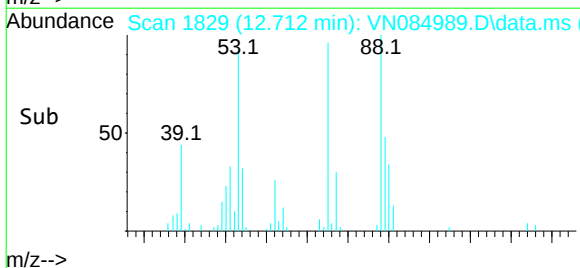
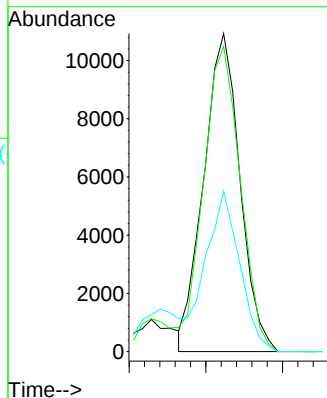
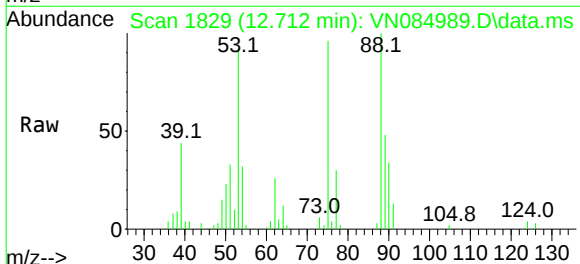
Tgt Ion: 75 Resp: 17925

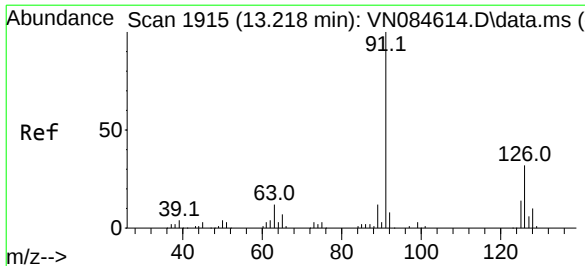
Ion Ratio Lower Upper

75 100

53 96.0 52.4 157.2

89 50.5 26.0 78.0





#78

4-Chlorotoluene

Concen: 19.814 ug/l

RT: 13.200 min Scan# 1915

Delta R.T. -0.018 min

Lab File: VN084989.D

Acq: 21 Nov 2024 11:20

Instrument :

MSVOA_N

ClientSampleId :

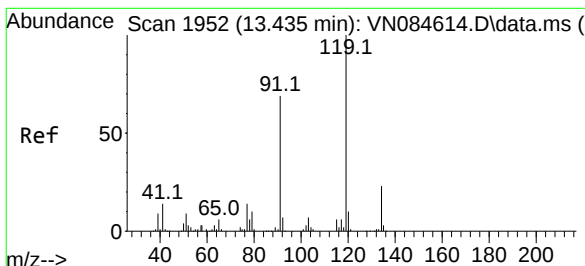
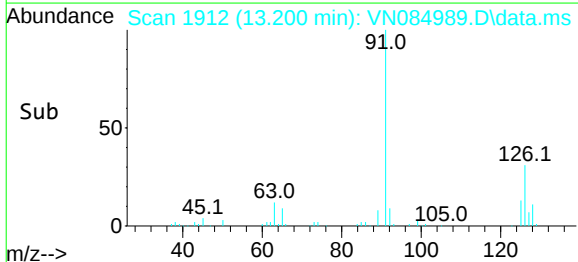
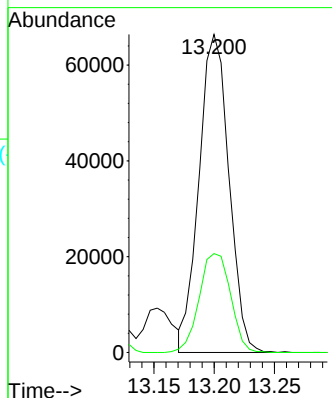
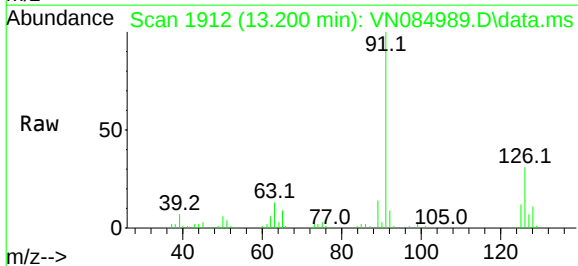
VN1121WBSD01

Tgt Ion: 91 Resp: 114592

Ion Ratio Lower Upper

91 100

126 32.7 0.0 63.4



#79

tert-butylbenzene

Concen: 19.949 ug/l

RT: 13.423 min Scan# 1950

Delta R.T. -0.012 min

Lab File: VN084989.D

Acq: 21 Nov 2024 11:20

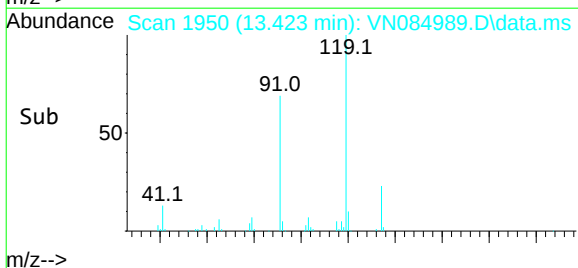
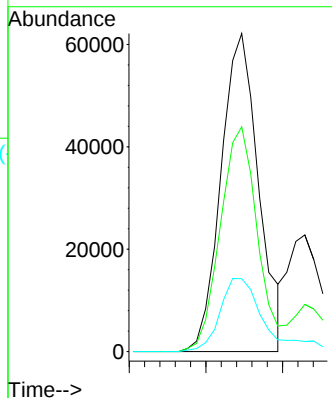
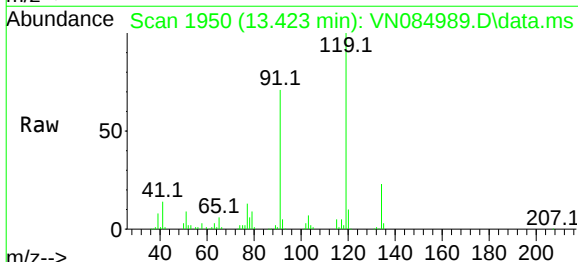
Tgt Ion: 119 Resp: 105951

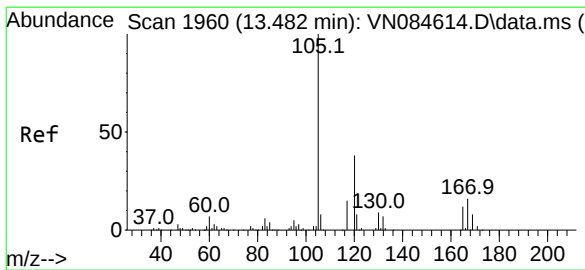
Ion Ratio Lower Upper

119 100

91 69.0 0.0 143.2

134 24.6 0.0 49.4

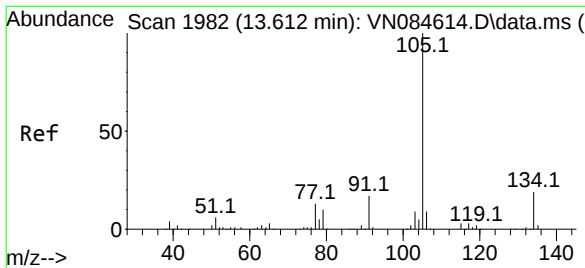
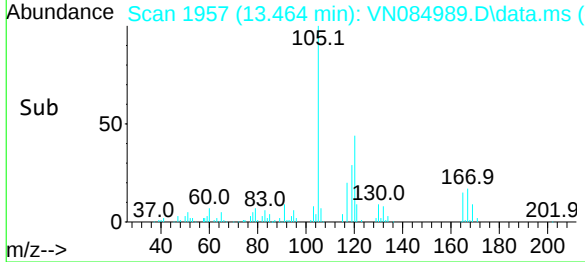
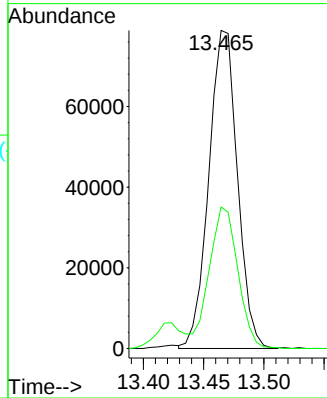
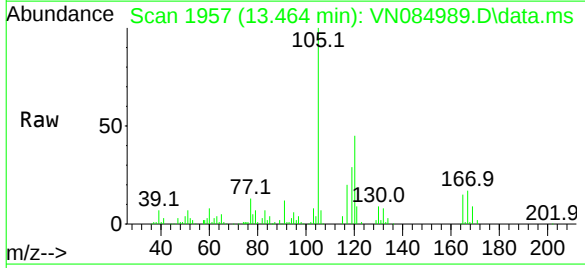




#80
1,2,4-Trimethylbenzene
Concen: 20.121 ug/l
RT: 13.464 min Scan# 19
Delta R.T. -0.018 min
Lab File: VN084989.D
Acq: 21 Nov 2024 11:20

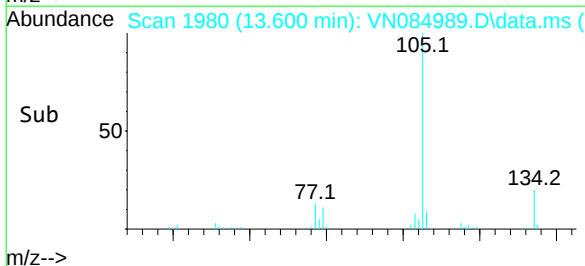
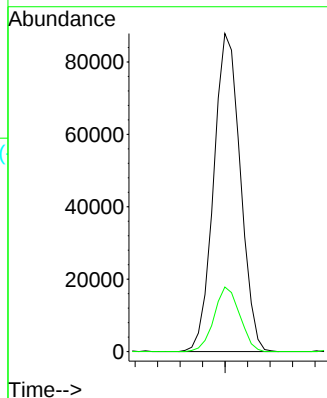
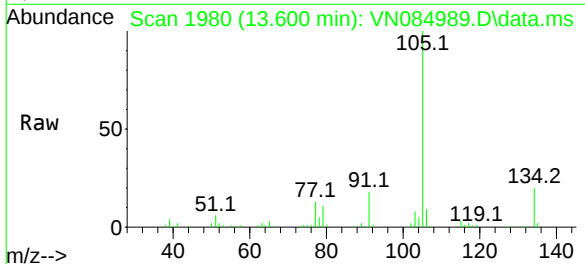
Instrument :
MSVOA_N
ClientSampleId :
VN1121WBSD01

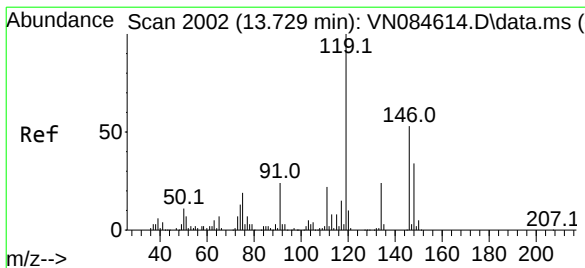
Tgt Ion:105 Resp: 130369
Ion Ratio Lower Upper
105 100
120 44.3 0.0 90.4



#81
sec-Butylbenzene
Concen: 19.773 ug/l
RT: 13.600 min Scan# 1980
Delta R.T. -0.012 min
Lab File: VN084989.D
Acq: 21 Nov 2024 11:20

Tgt Ion:105 Resp: 144707
Ion Ratio Lower Upper
105 100
134 19.5 0.0 39.0

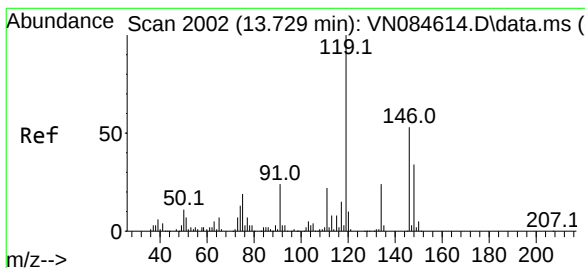
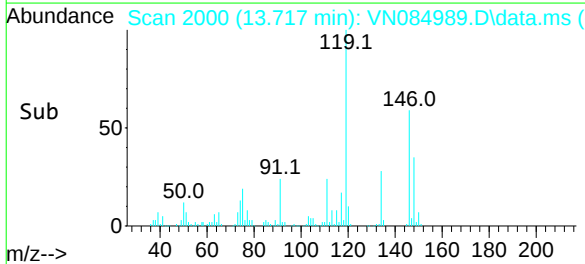
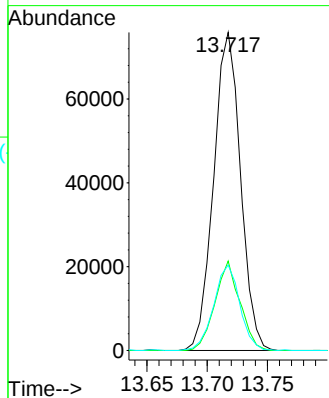
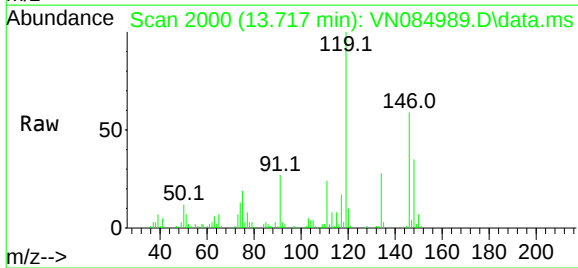




#82
p-Isopropyltoluene
Concen: 19.176 ug/l
RT: 13.717 min Scan# 2000
Delta R.T. -0.012 min
Lab File: VN084989.D
Acq: 21 Nov 2024 11:20

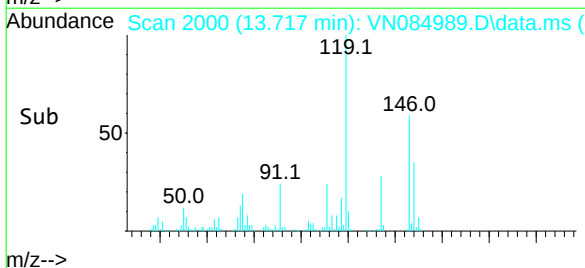
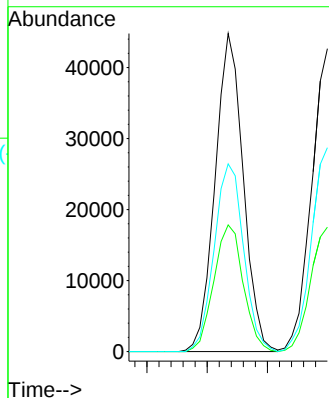
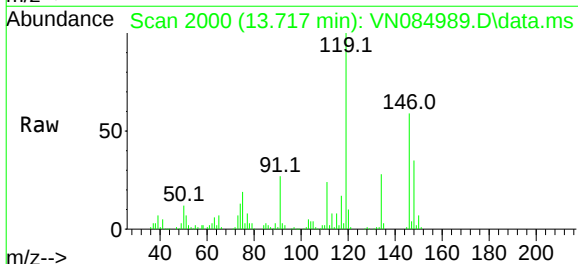
Instrument :
MSVOA_N
ClientSampleId :
VN1121WBSD01

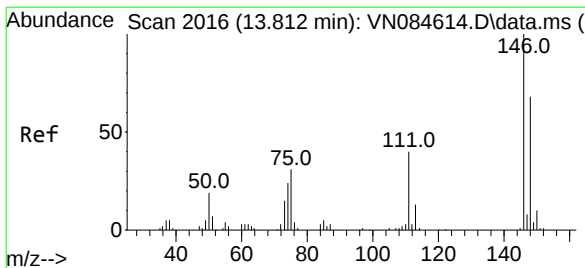
Tgt Ion:119 Resp: 117920
Ion Ratio Lower Upper
119 100
134 26.0 0.0 51.4
91 26.1 0.0 50.4



#83
1,3-Dichlorobenzene
Concen: 20.288 ug/l
RT: 13.717 min Scan# 2000
Delta R.T. -0.012 min
Lab File: VN084989.D
Acq: 21 Nov 2024 11:20

Tgt Ion:146 Resp: 72743
Ion Ratio Lower Upper
146 100
111 41.7 21.0 63.0
148 61.7 31.3 93.8





#84

1,4-Dichlorobenzene

Concen: 19.476 ug/l

RT: 13.800 min Scan# 2016

Delta R.T. -0.012 min

Lab File: VN084989.D

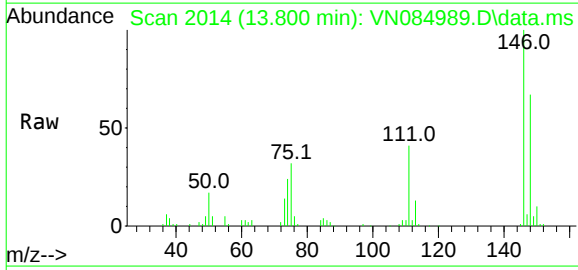
Acq: 21 Nov 2024 11:20

Instrument :

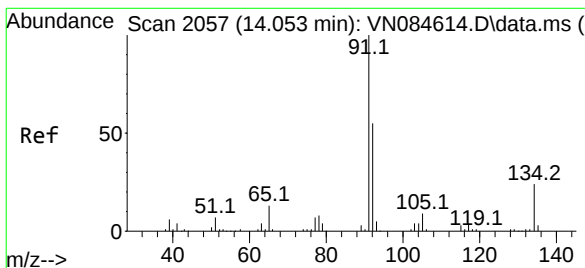
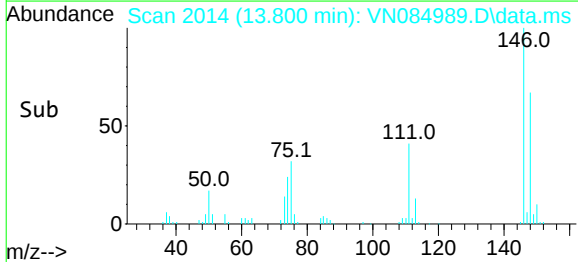
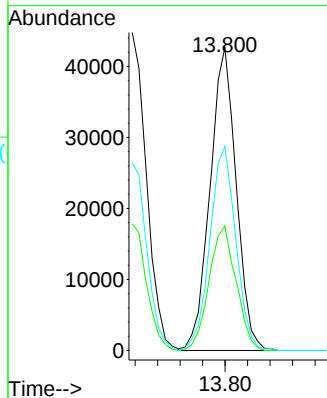
MSVOA_N

ClientSampleId :

VN1121WBSD01



Tgt Ion:	146	Resp:	69000
Ion	Ratio	Lower	Upper
146	100		
111	42.3	20.2	60.5
148	66.8	32.6	98.0



#85

n-Butylbenzene

Concen: 18.869 ug/l

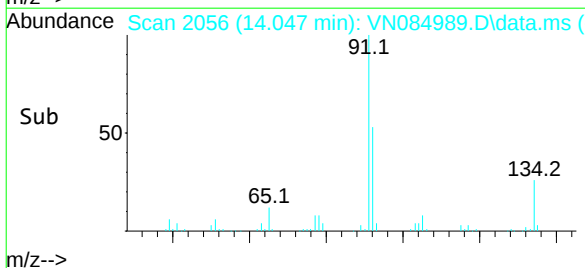
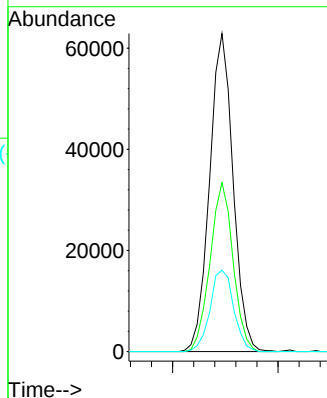
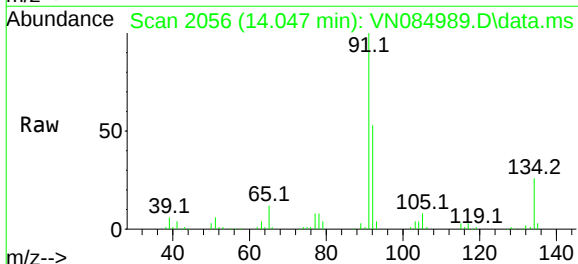
RT: 14.047 min Scan# 2056

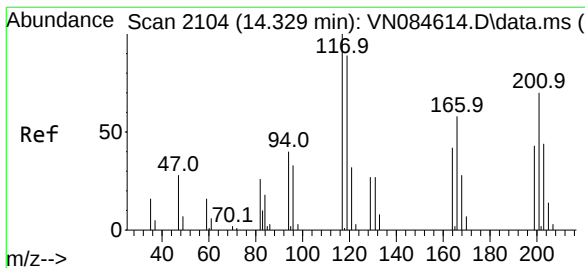
Delta R.T. -0.006 min

Lab File: VN084989.D

Acq: 21 Nov 2024 11:20

Tgt Ion:	91	Resp:	97455
Ion	Ratio	Lower	Upper
91	100		
92	51.8	0.0	106.2
134	25.8	0.0	48.2





#86

Hexachloroethane

Concen: 20.542 ug/l

RT: 14.323 min Scan# 2104

Delta R.T. -0.006 min

Lab File: VN084989.D

Acq: 21 Nov 2024 11:20

Instrument :

MSVOA_N

ClientSampleId :

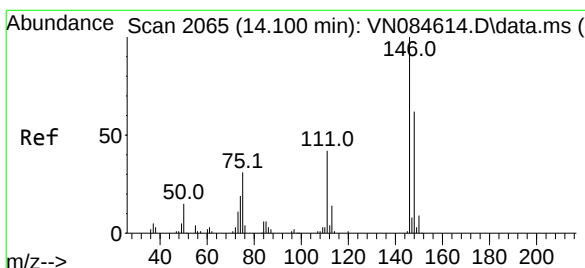
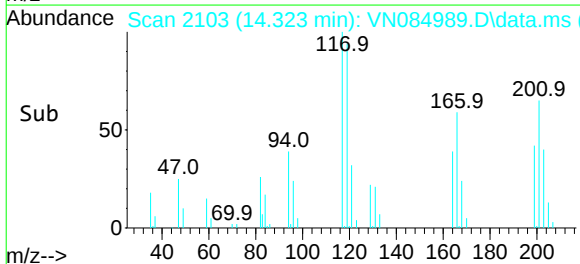
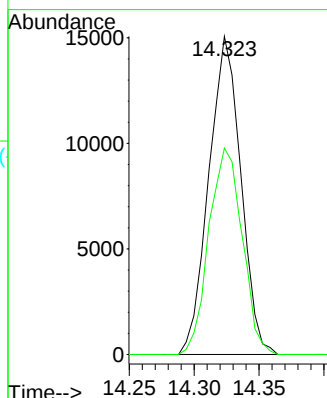
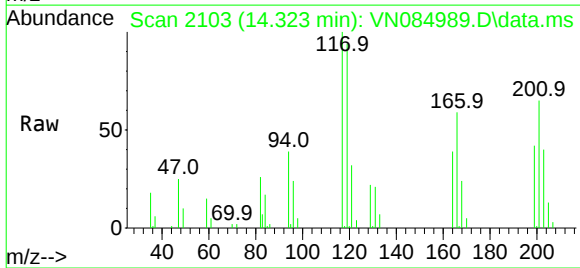
VN1121WBSD01

Tgt Ion:117 Resp: 25834

Ion Ratio Lower Upper

117 100

201 67.5 34.4 103.3



#87

1,2-Dichlorobenzene

Concen: 19.910 ug/l

RT: 14.094 min Scan# 2064

Delta R.T. -0.006 min

Lab File: VN084989.D

Acq: 21 Nov 2024 11:20

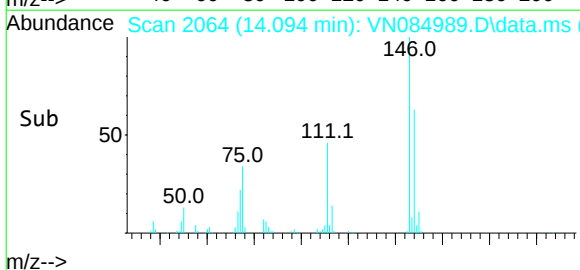
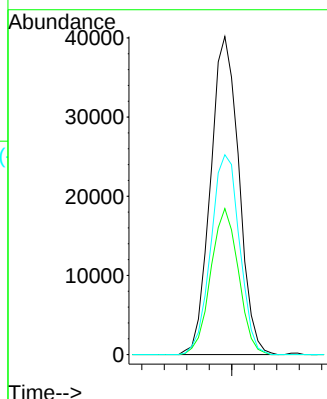
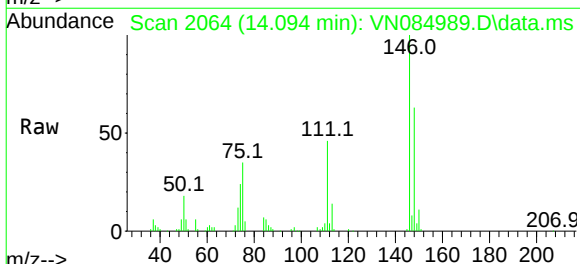
Tgt Ion:146 Resp: 70346

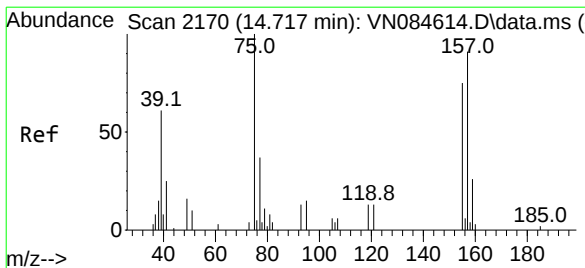
Ion Ratio Lower Upper

146 100

111 44.8 22.4 67.0

148 63.6 32.6 98.0





#88

1,2-Dibromo-3-Chloropropane

Concen: 22.891 ug/l

RT: 14.711 min Scan# 2170

Delta R.T. -0.006 min

Lab File: VN084989.D

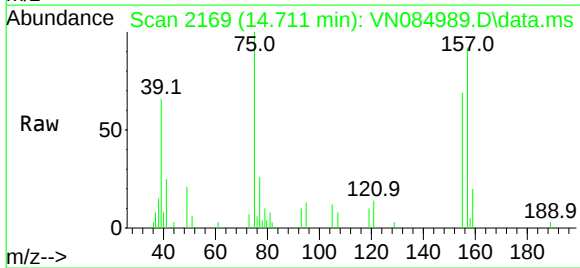
Acq: 21 Nov 2024 11:20

Instrument :

MSVOA_N

ClientSampleId :

VN1121WBSD01



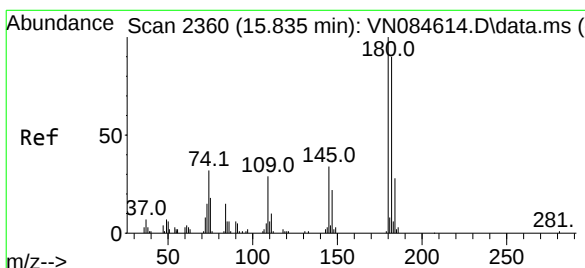
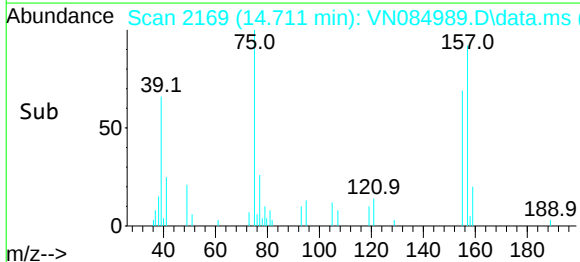
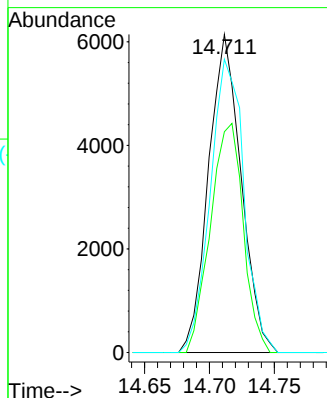
Tgt Ion: 75 Resp: 10761

Ion Ratio Lower Upper

75 100

155 72.3 61.8 92.6

157 95.0 74.7 112.1



#89

1,2,4-Trichlorobenzene

Concen: 19.458 ug/l

RT: 15.835 min Scan# 2360

Delta R.T. -0.000 min

Lab File: VN084989.D

Acq: 21 Nov 2024 11:20

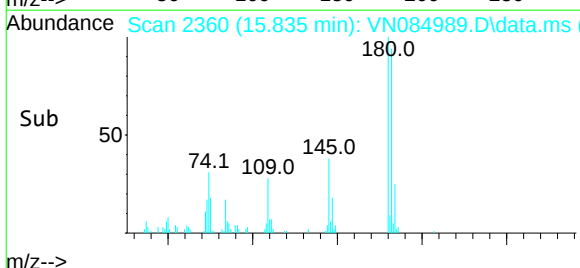
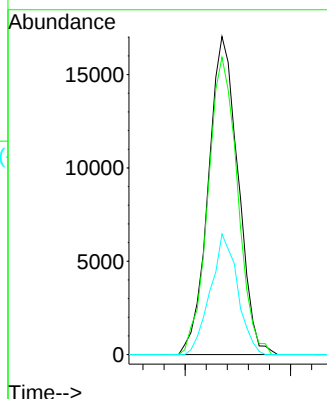
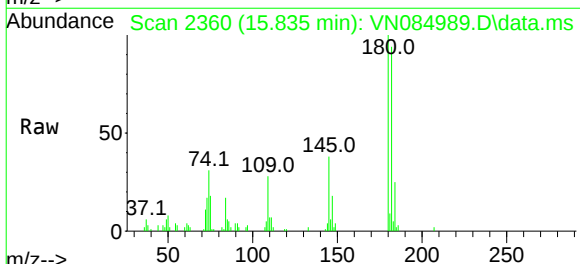
Tgt Ion: 180 Resp: 33474

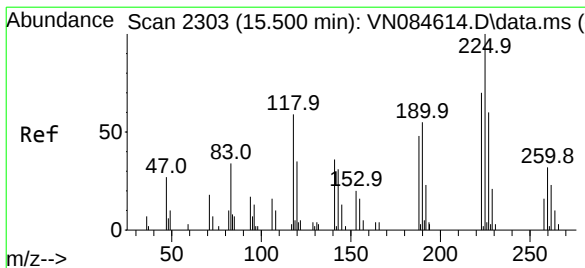
Ion Ratio Lower Upper

180 100

182 92.6 73.0 109.6

145 34.4 26.5 39.7





#90

Hexachlorobutadiene

Concen: 22.129 ug/l

RT: 15.494 min Scan# 2302

Delta R.T. -0.006 min

Lab File: VN084989.D

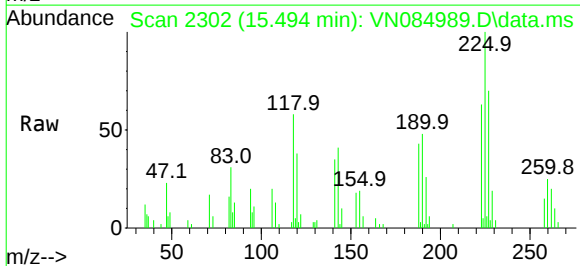
Acq: 21 Nov 2024 11:20

Instrument :

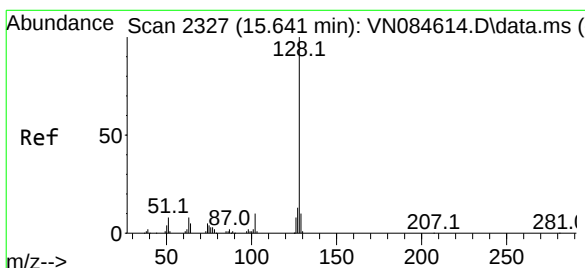
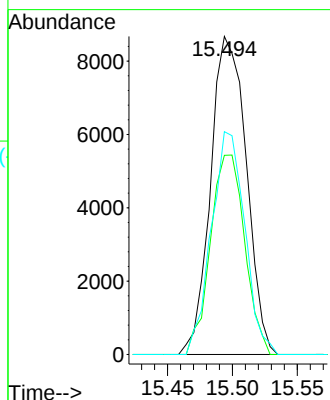
MSVOA_N

ClientSampleId :

VN1121WBSD01



Tgt Ion:	225	Resp:	16629
Ion	Ratio	Lower	Upper
225	100		
223	60.3	0.0	138.8
227	65.6	0.0	123.2



#91

Naphthalene

Concen: 18.798 ug/l

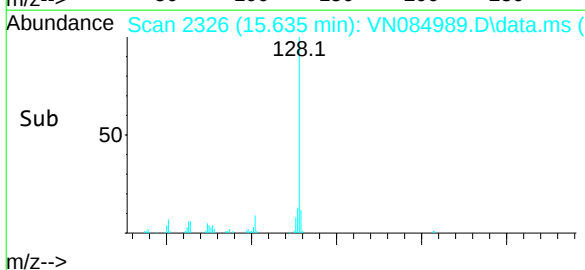
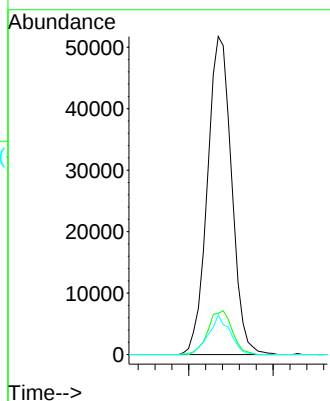
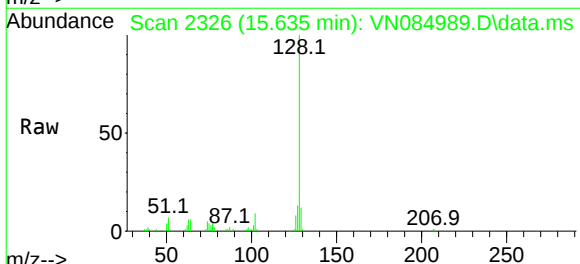
RT: 15.635 min Scan# 2326

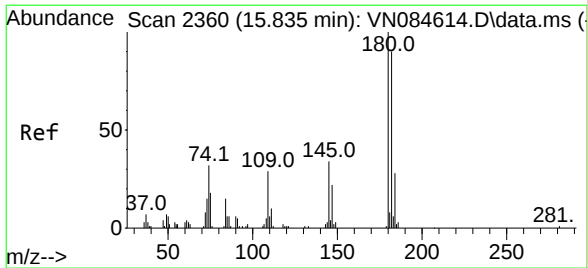
Delta R.T. -0.006 min

Lab File: VN084989.D

Acq: 21 Nov 2024 11:20

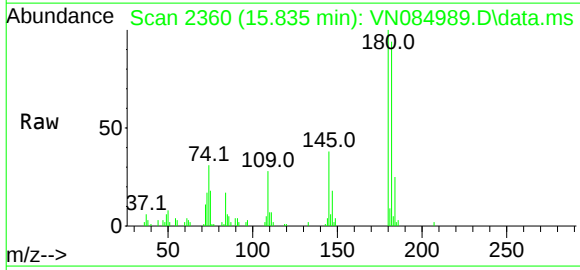
Tgt Ion:	128	Resp:	103274
Ion	Ratio	Lower	Upper
128	100		
127	13.8	10.3	15.5
129	11.0	8.6	12.8





#92
 1,2,3-Trichlorobenzene
 Concen: 19.458 ug/l
 RT: 15.835 min Scan# 23
 Delta R.T. -0.000 min
 Lab File: VN084989.D
 Acq: 21 Nov 2024 11:20

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1121WBSD01



Tgt Ion:	180	Resp:	33474
Ion	Ratio	Lower	Upper
180	100		
182	92.6	0.0	182.6
145	34.4	0.0	66.2

