

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 :

Quant Time: Nov 21 14:43:09 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

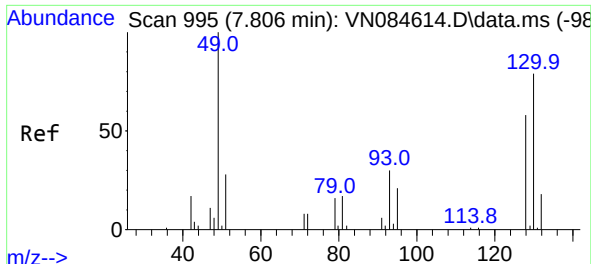
Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN112124\
 Data File : VN084989.D
 Acq On : 21 Nov 2024 11:20
 Operator : JC\MD
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 ALS Vial : 4 Sample Multiplier: 1

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Quant Time: Nov 21 14:43:09 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

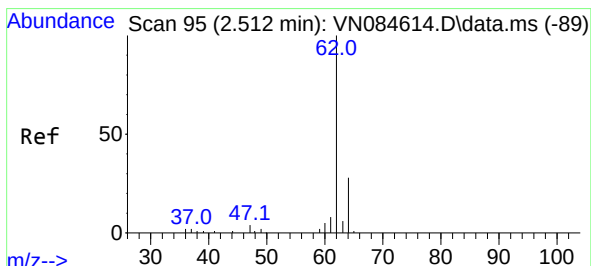
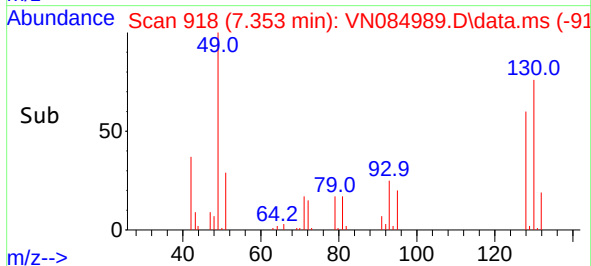
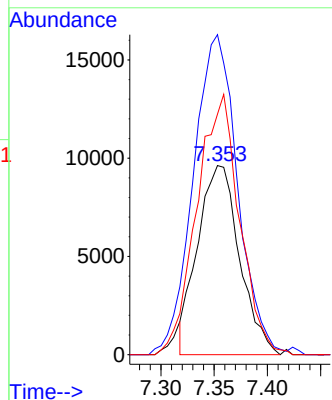
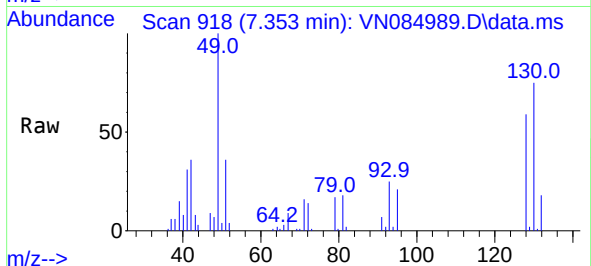
(#) = qualifier out of range (m) = manual integration (+) = signals summed



#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

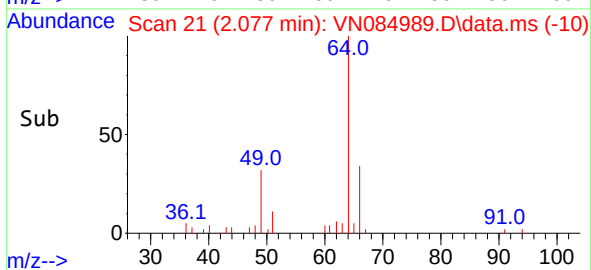
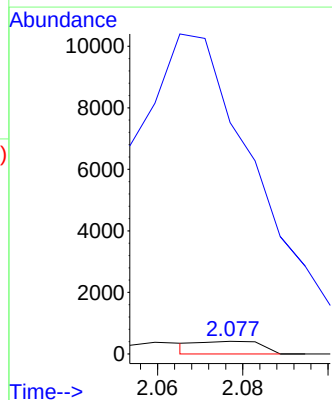
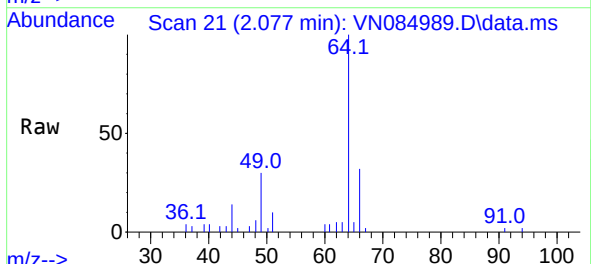
Instrument :
MSVOA_N
ClientSampleId :

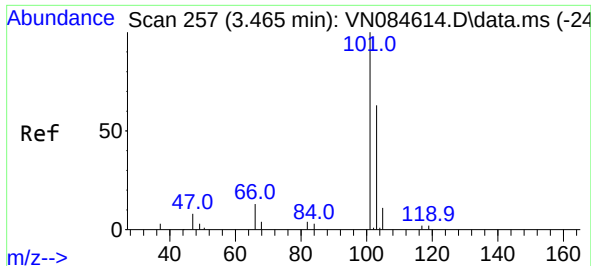
Tgt Ion:128 Resp: 26246
Ion Ratio Lower Upper
128 100
49 166.0 0.0 427.0
130 135.2 0.0 322.2



#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#

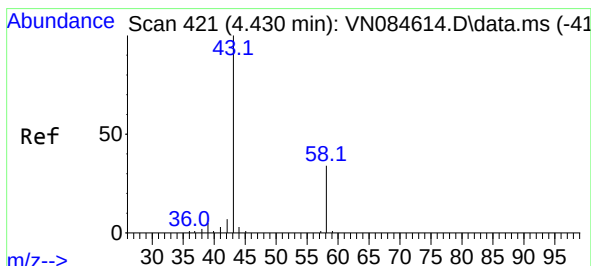
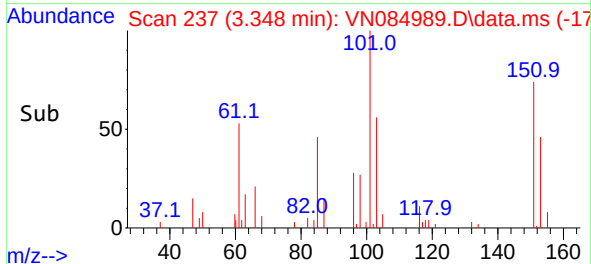
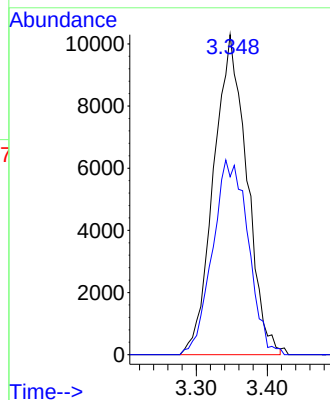
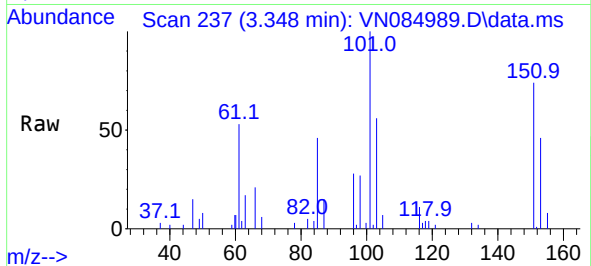




#7
Trichlorofluoromethane
Concen: 12.051 ug/l
RT: 3.348 min Scan# 21
Delta R.T. -0.118 min
Lab File: VN084989.D
Acq: 21 Nov 2024 11:20

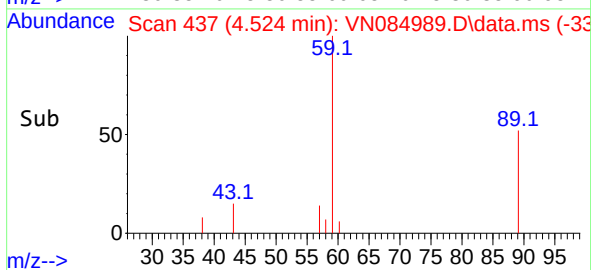
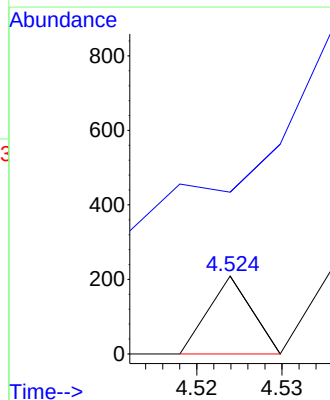
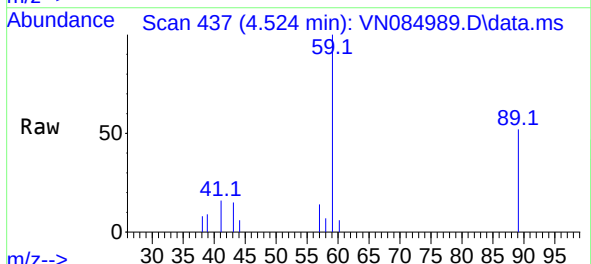
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MSVOA_N
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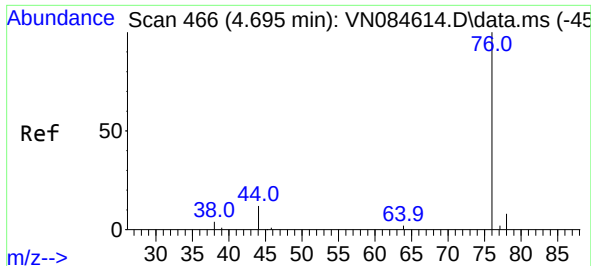
Tgt Ion:101 Resp: 33401
Ion Ratio Lower Upper
101 100
103 55.6 50.1 75.1



#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#

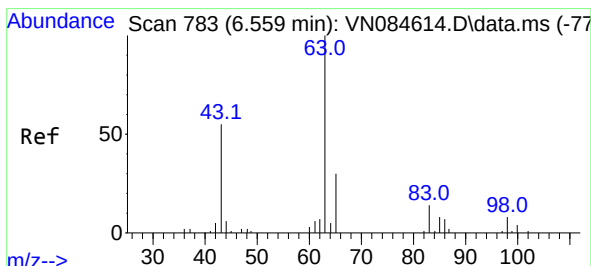
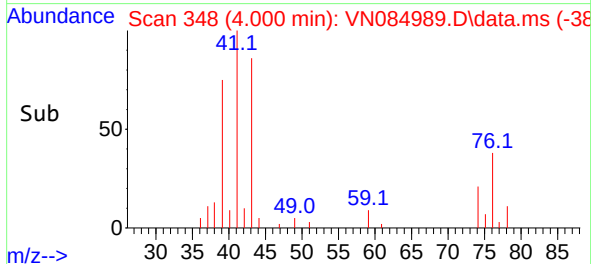
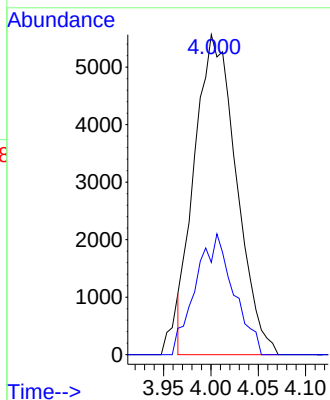
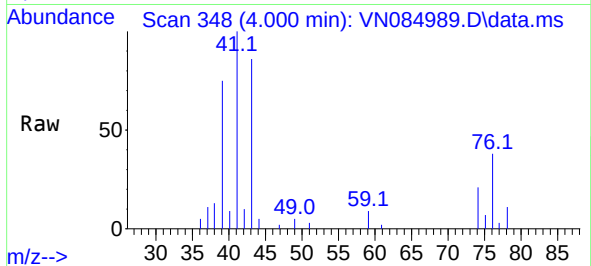




#16
Carbon Disulfide
Concen: 3.787 ug/l
RT: 4.000 min Scan# 34
Delta R.T. -0.694 min
Lab File: VN084989.D
Acq: 21 Nov 2024 11:20

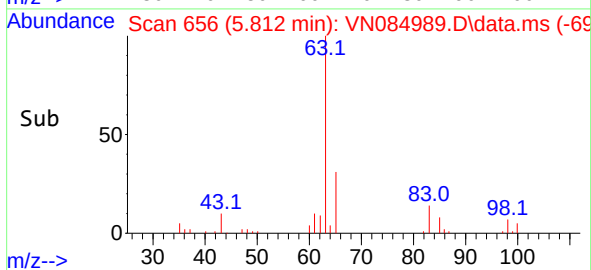
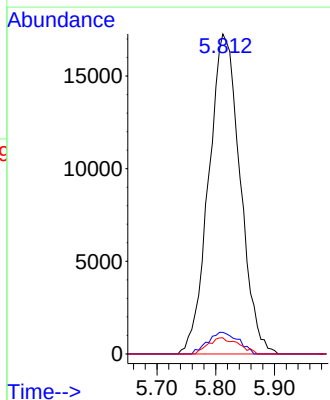
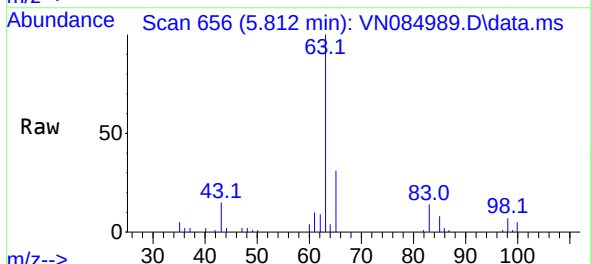
Instrument :
MSVOA_N
ClientSampleId :

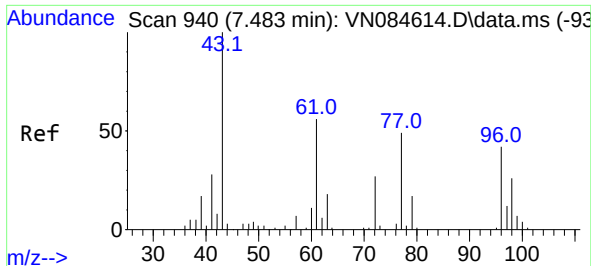
Tgt Ion: 76 Resp: 17045
Ion Ratio Lower Upper
76 100
78 28.8 6.6 9.8#



#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

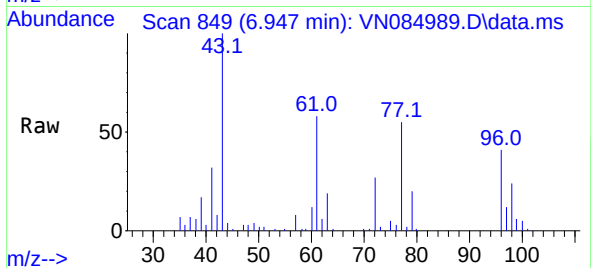
Tgt Ion: 63 Resp: 64025
Ion Ratio Lower Upper
63 100
98 6.8 3.8 11.4
100 5.1 1.9 5.7



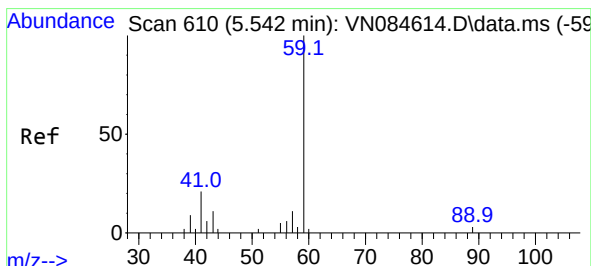
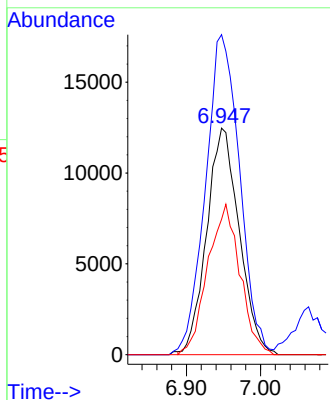
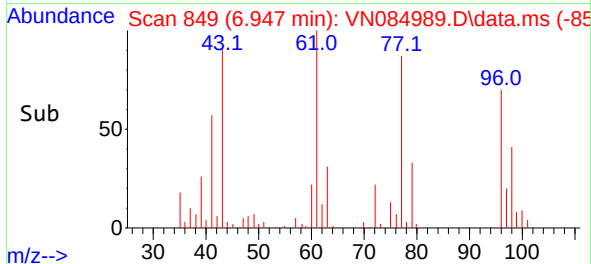


#22
cis-1,2-Dichloroethene
Concen: 19.895 ug/l
RT: 6.947 min Scan# 84
Delta R.T. -0.535 min
Lab File: VN084989.D
Acq: 21 Nov 2024 11:20

Instrument :
MSVOA_N
ClientSampleId :

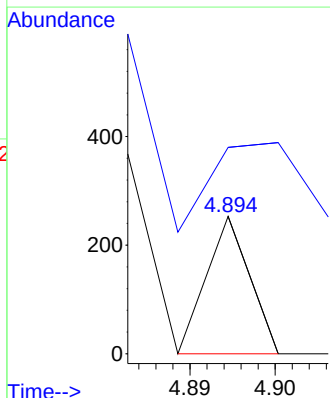
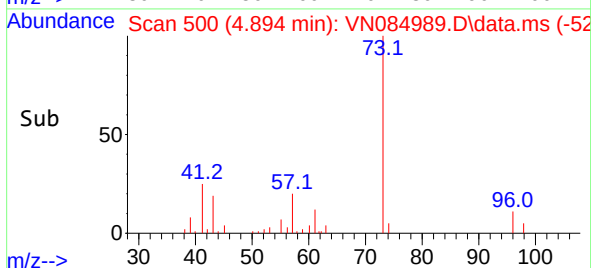
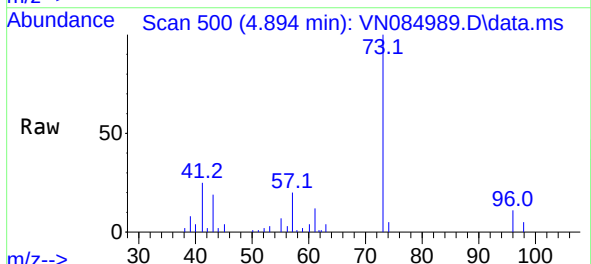


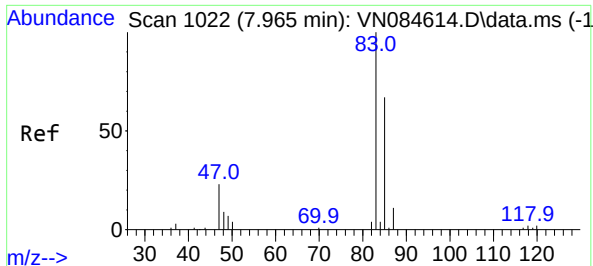
Tgt Ion: 96 Resp: 38080
Ion Ratio Lower Upper
96 100
61 148.3 121.8 182.8
98 65.8 53.2 79.8



#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# 91

Delta R.T. -0.424 min

Lab File: VN084989.D

Acq: 21 Nov 2024 11:20

Instrument :

MSVOA_N

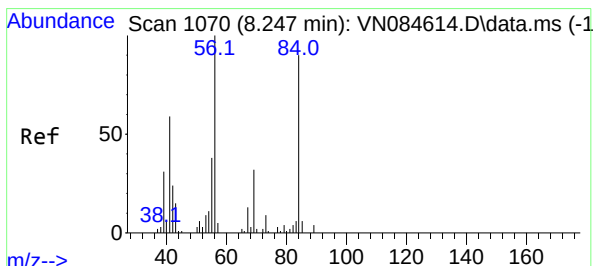
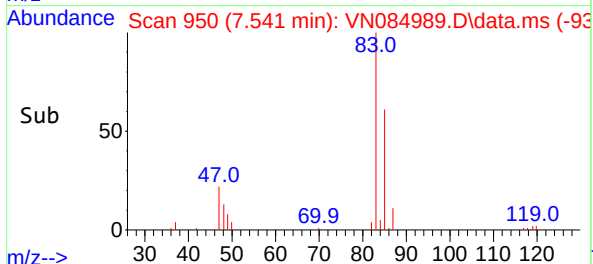
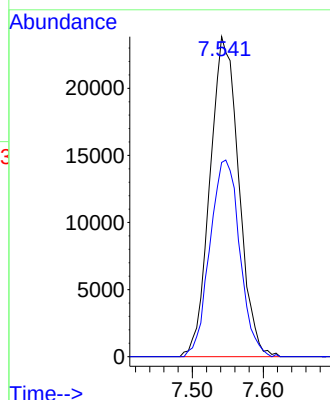
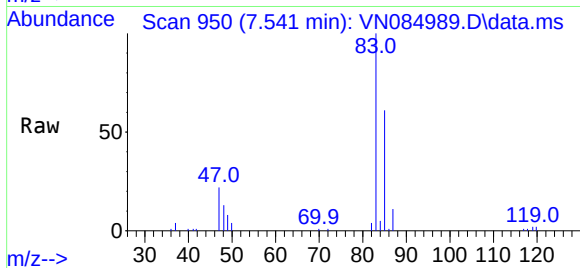
ClientSampleId :

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

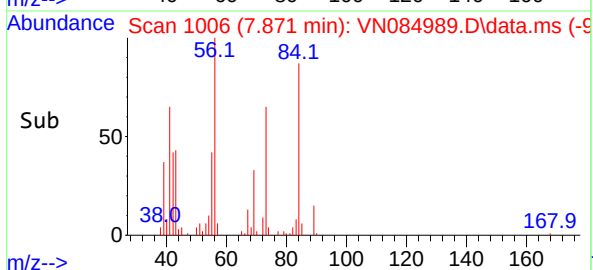
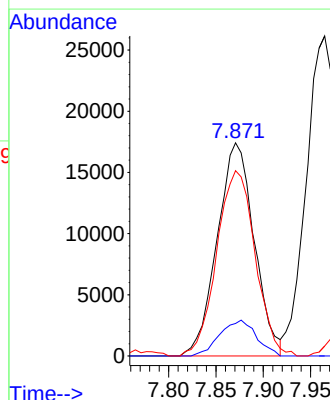
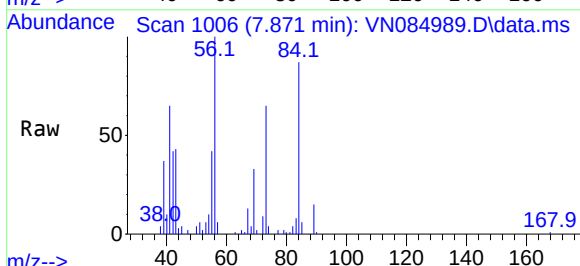
Tgt Ion: 56 Resp: 47350

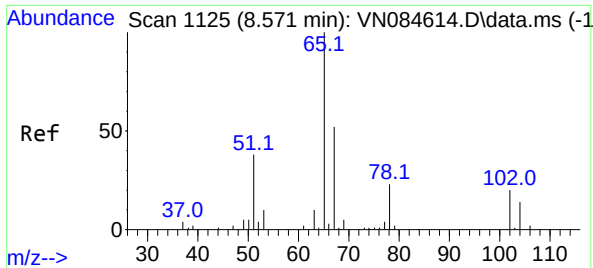
Ion Ratio Lower Upper

56 100

89 16.6 3.0 4.4#

84 90.0 70.6 106.0

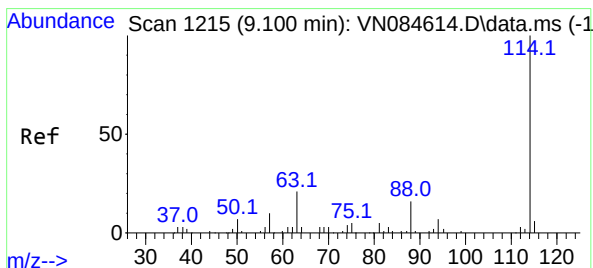
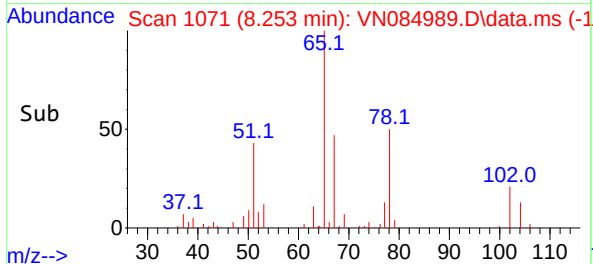
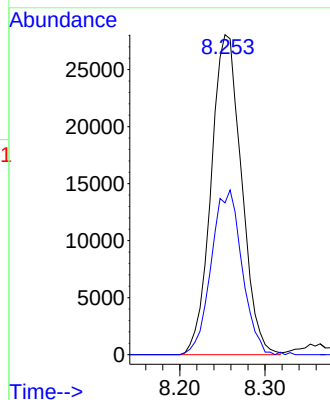
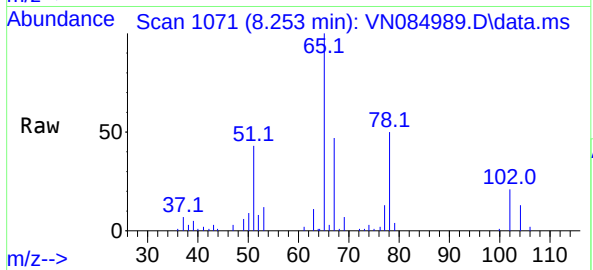




#27
1,2-Dichloroethane-d4
Concen: 32.917 ug/l
RT: 8.253 min Scan# 1173
Delta R.T. -0.318 min
Lab File: VN084989.D
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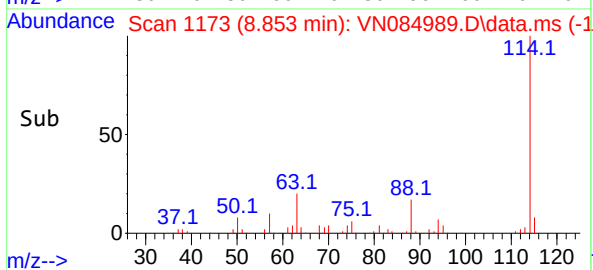
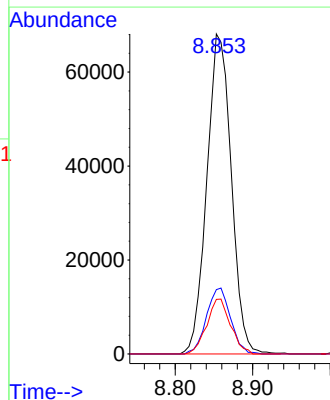
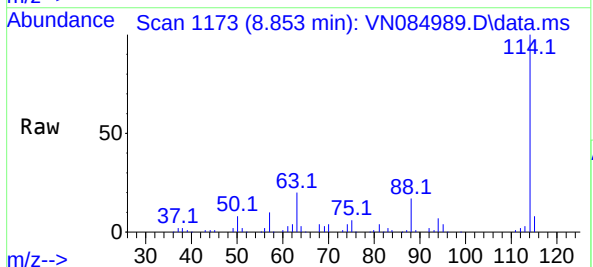
Instrument :
MSVOA_N
ClientSampleId :

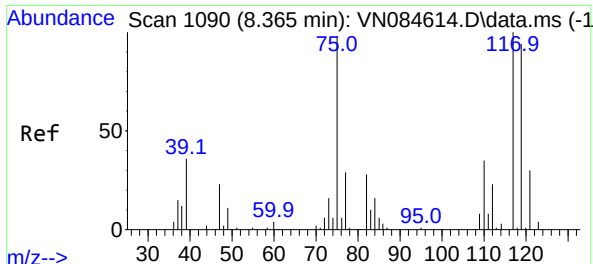
Tgt Ion: 65 Resp: 69456
Ion Ratio Lower Upper
65 100
67 51.9 40.7 61.1



#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

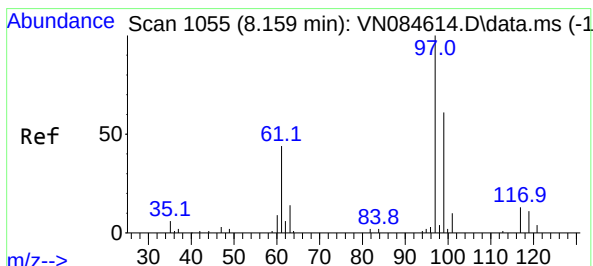
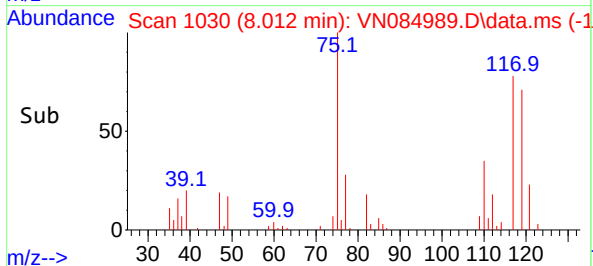
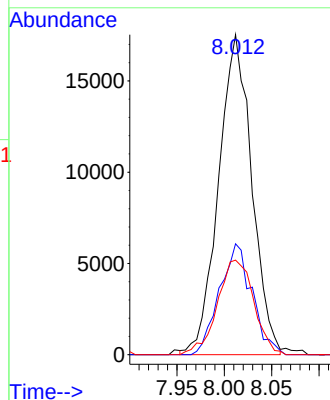
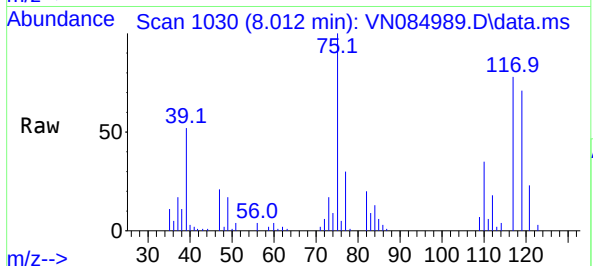




#29
1,1-Dichloropropene
Concen: 19.022 ug/l
RT: 8.012 min Scan# 1030
Delta R.T. -0.353 min
Lab File: VN084989.D
Acq: 21 Nov 2024 11:20

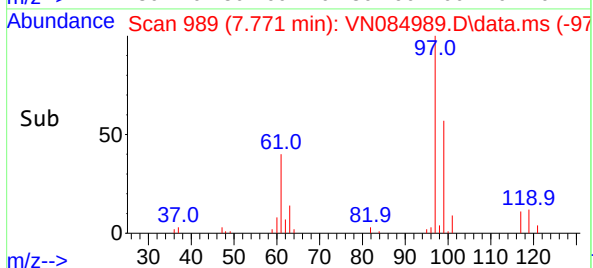
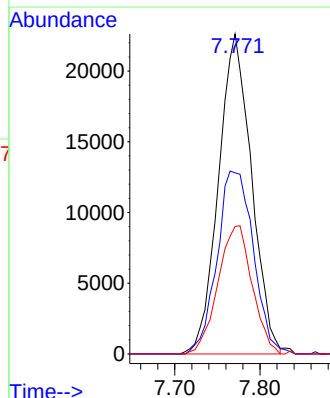
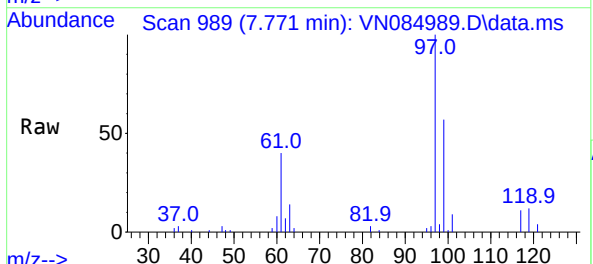
Instrument :
MSVOA_N
ClientSampleId :

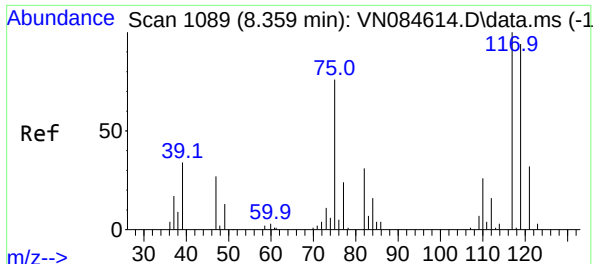
Tgt Ion: 75 Resp: 42792
Ion Ratio Lower Upper
75 100
110 33.9 0.0 69.4
77 32.4 0.0 62.0



#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

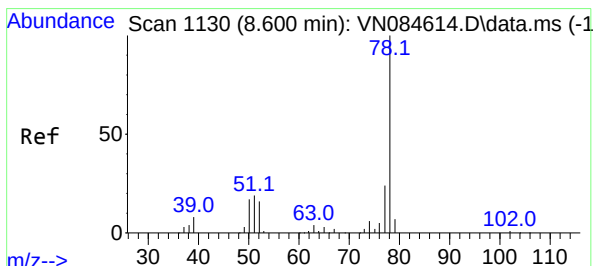
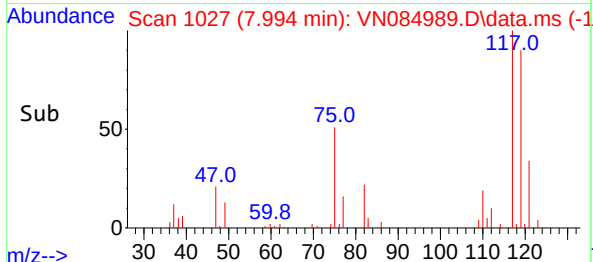
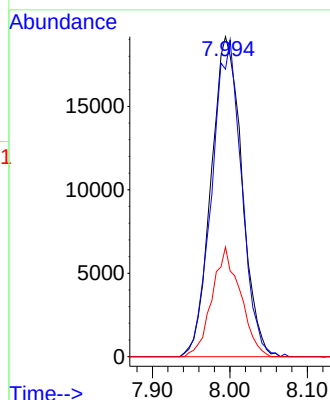
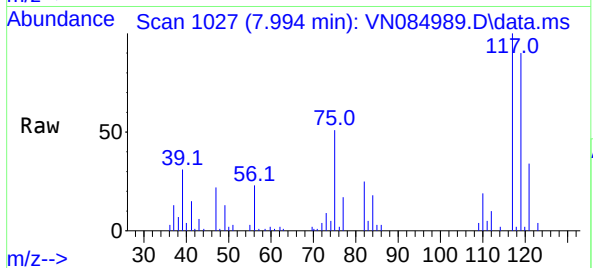




#33
Carbon Tetrachloride
Concen: 20.230 ug/l
RT: 7.994 min Scan# 1075
Delta R.T. -0.365 min
Lab File: VN084989.D
Acq: 21 Nov 2024 11:20

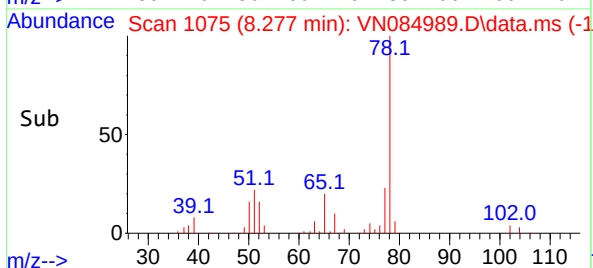
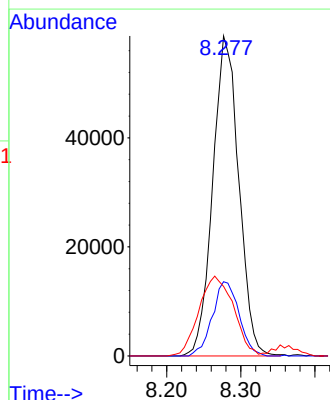
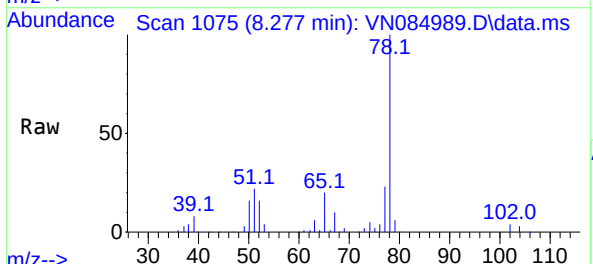
Instrument :
MSVOA_N
ClientSampleId :

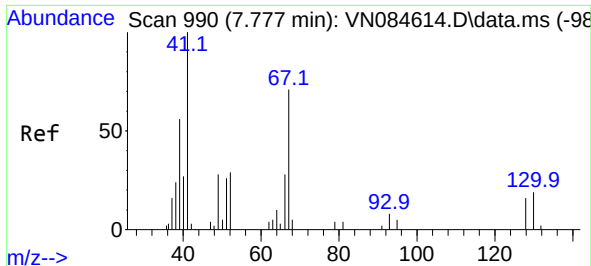
Tgt Ion:117 Resp: 52758
Ion Ratio Lower Upper
117 100
119 89.9 75.7 113.5
121 34.2 25.4 38.0



#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

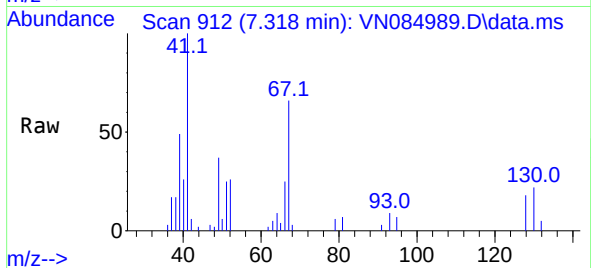
Tgt Ion: 78 Resp: 143006
Ion Ratio Lower Upper
78 100
77 23.2 19.3 28.9
51 20.8 16.1 24.1





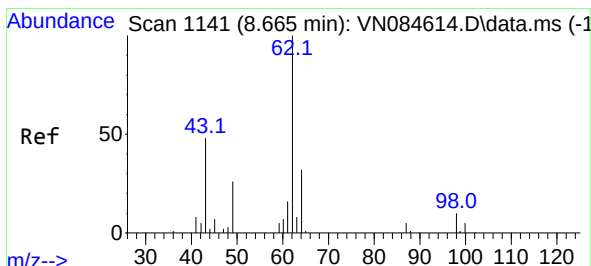
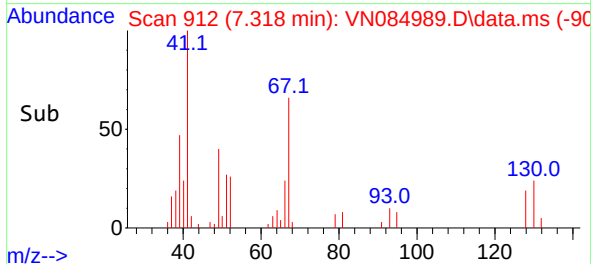
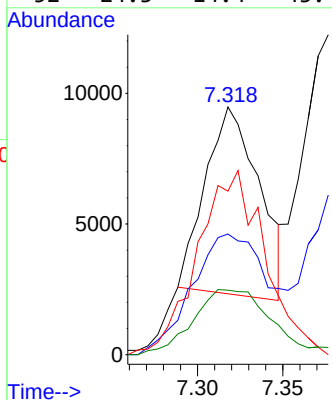
#35
Methacrylonitrile
Concen: 12.817 ug/l
RT: 7.318 min Scan# 912
Delta R.T. -0.459 min
Lab File: VN084989.D
Acq: 21 Nov 2024 11:20

Instrument :
MSVOA_N
ClientSampleId :



Tgt Ion: 41 Resp: 15763

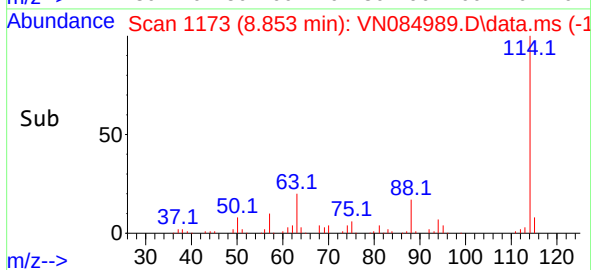
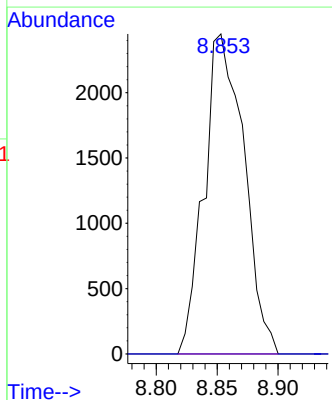
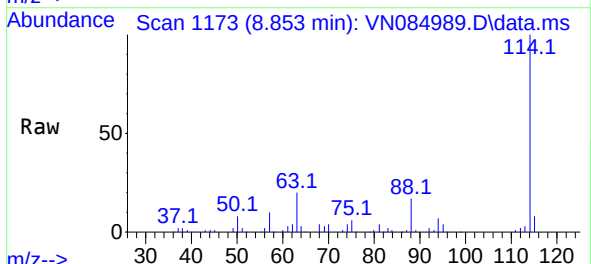
Ion	Ratio	Lower	Upper
41	100		
39	47.9	28.2	84.6
67	61.2	35.6	106.8
52	24.3	14.4	43.4

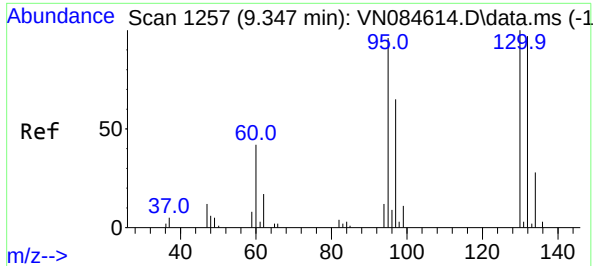


#36
1,2-Dichloroethane
Concen: 2.253 ug/l
RT: 8.853 min Scan# 1173
Delta R.T. 0.188 min
Lab File: VN084989.D
Acq: 21 Nov 2024 11:20

Tgt Ion: 62 Resp: 5571

Ion	Ratio	Lower	Upper
62	100		
98	0.0	7.8	11.6#

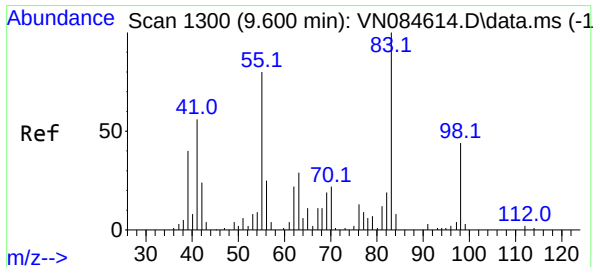
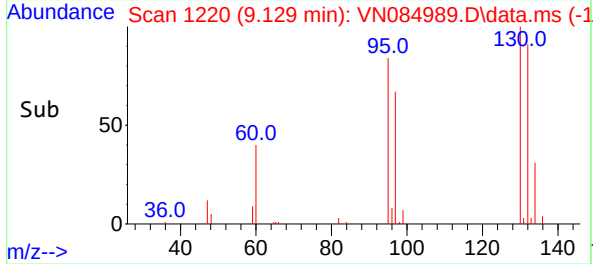
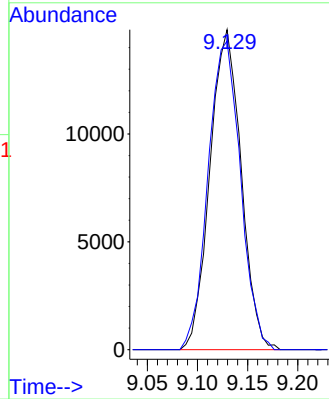
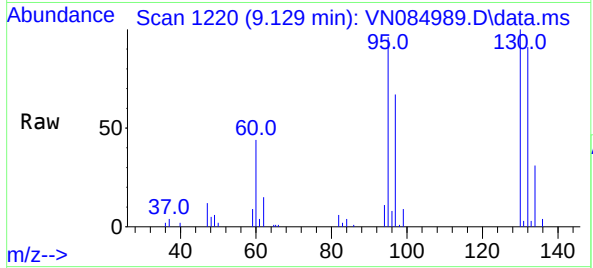




#37
Trichloroethene
Concen: 19.109 ug/l
RT: 9.129 min Scan# 11
Delta R.T. -0.218 min
Lab File: VN084989.D
Acq: 21 Nov 2024 11:20

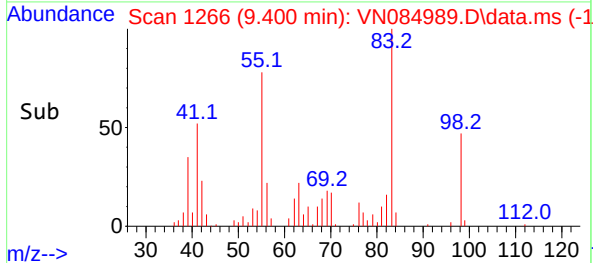
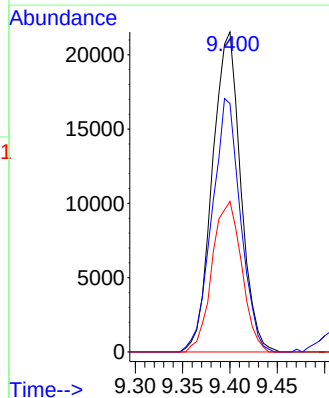
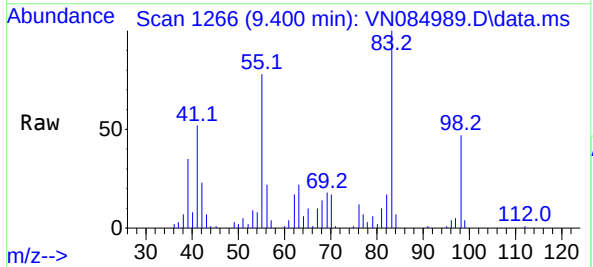
Instrument :
MSVOA_N
ClientSampleId :

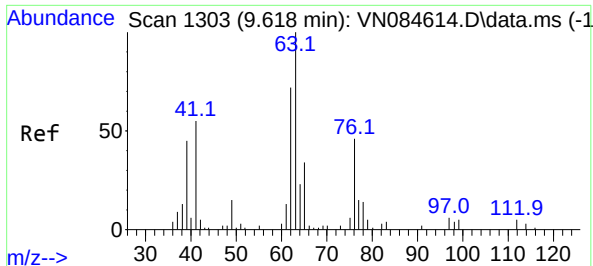
Tgt Ion:130 Resp: 32054
Ion Ratio Lower Upper
130 100
95 96.5 76.6 115.0



#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

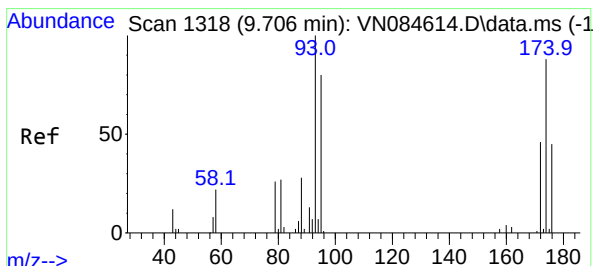
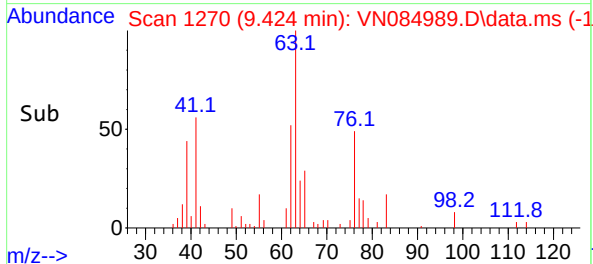
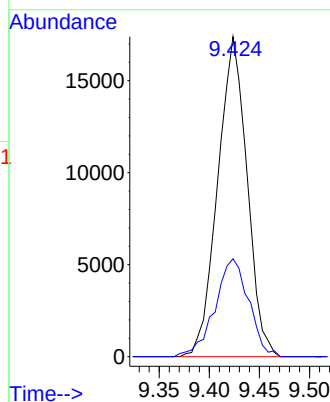
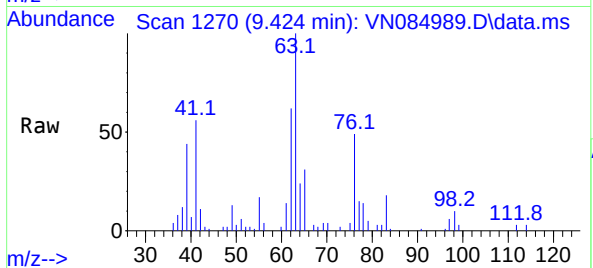




#39
1,2-Dichloropropane
Concen: 19.742 ug/l
RT: 9.424 min Scan# 11
Delta R.T. -0.194 min
Lab File: VN084989.D
Acq: 21 Nov 2024 11:20

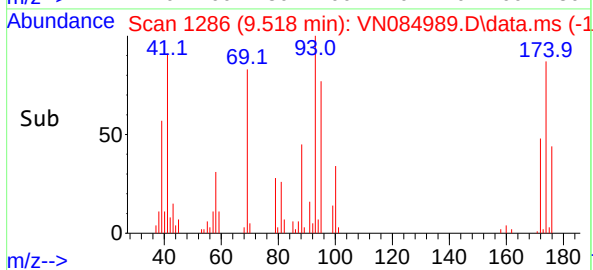
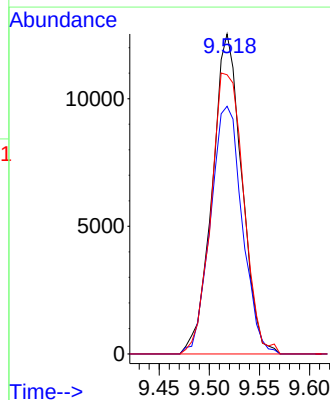
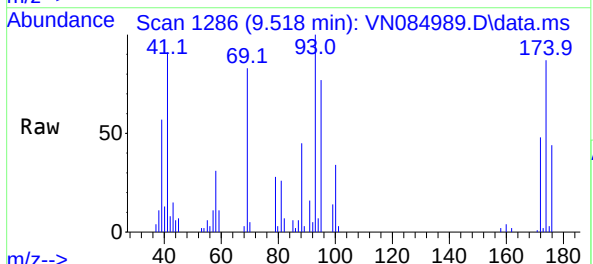
Instrument :
MSVOA_N
ClientSampleId :

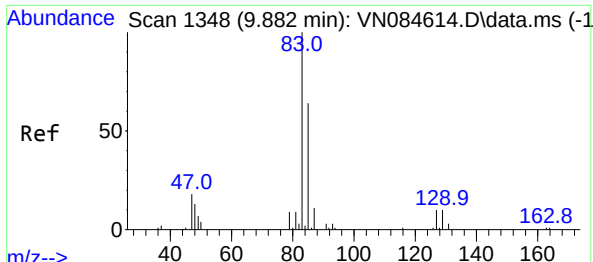
Tgt Ion: 63 Resp: 35337
Ion Ratio Lower Upper
63 100
65 30.6 27.8 41.8



#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

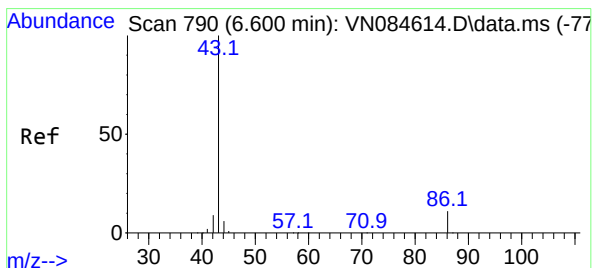
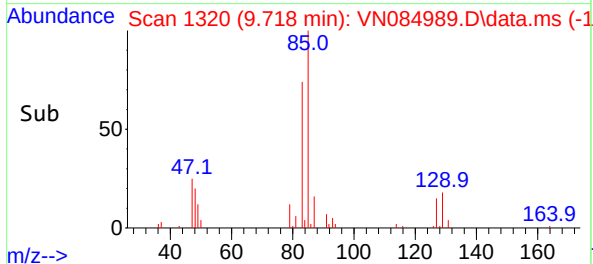
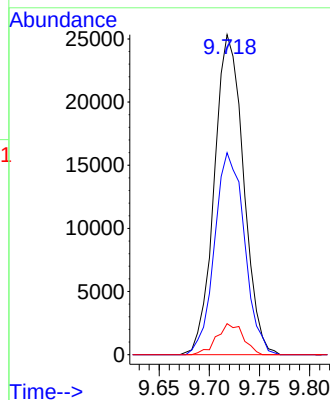
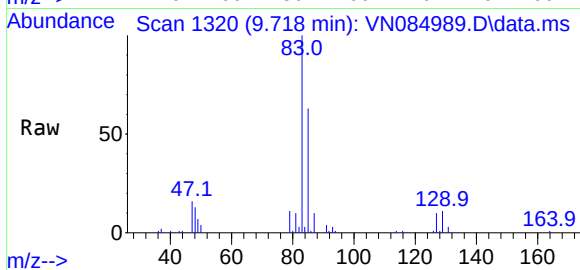




#41
Bromodichloromethane
Concen: 19.134 ug/l
RT: 9.718 min Scan# 11
Delta R.T. -0.165 min
Lab File: VN084989.D
Acq: 21 Nov 2024 11:20

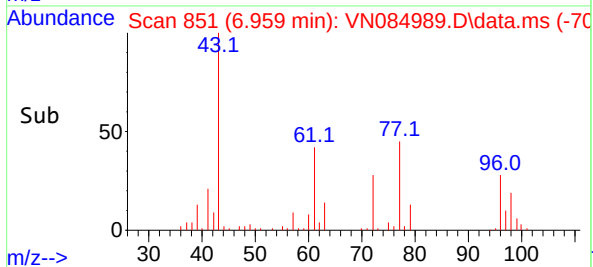
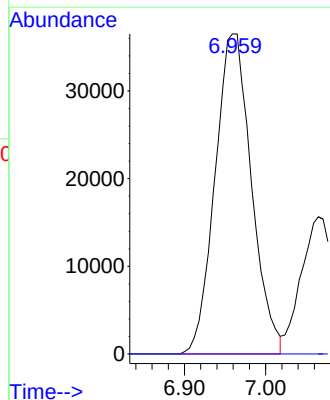
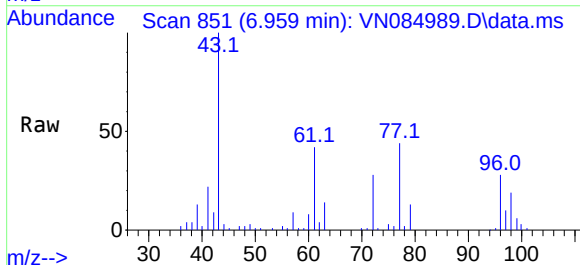
Instrument :
MSVOA_N
ClientSampleId :

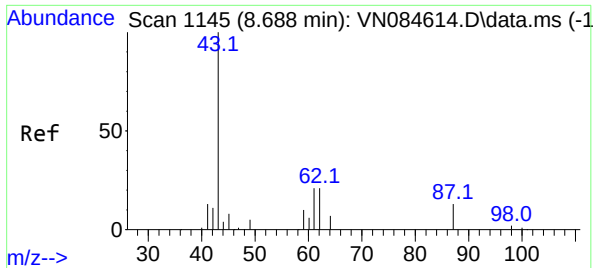
Tgt Ion: 83 Resp: 51363
Ion Ratio Lower Upper
83 100
85 63.1 51.0 76.6
127 9.7 7.8 11.6



#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#

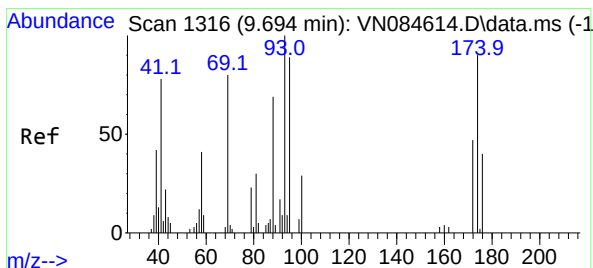
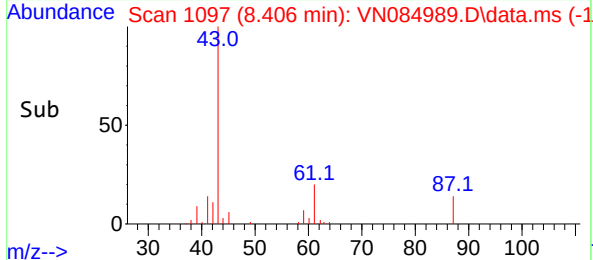
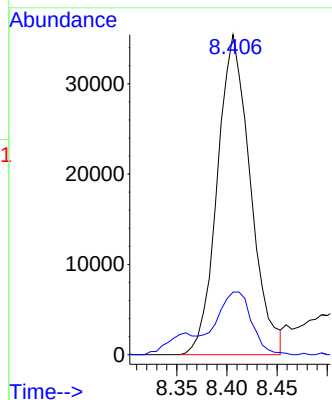
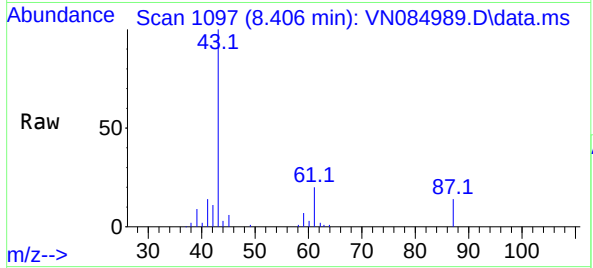




#44
Isopropyl Acetate
Concen: 18.393 ug/l
RT: 8.406 min Scan# 1097
Delta R.T. -0.282 min
Lab File: VN084989.D
Acq: 21 Nov 2024 11:20

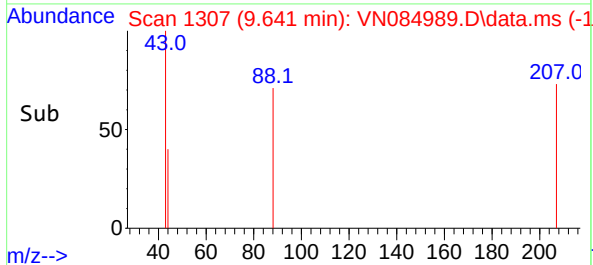
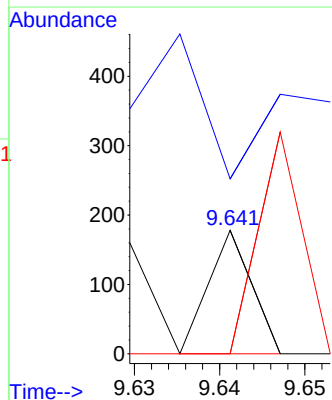
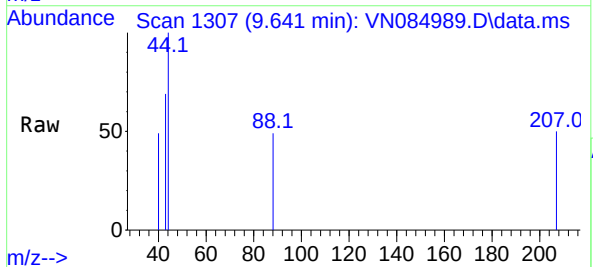
Instrument :
MSVOA_N
ClientSampleId :

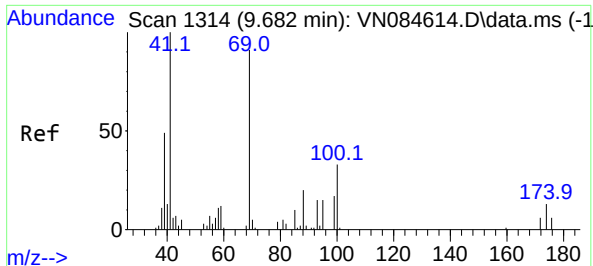
Tgt Ion: 43 Resp: 81210
Ion Ratio Lower Upper
43 100
61 19.9 19.8 29.8



#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#

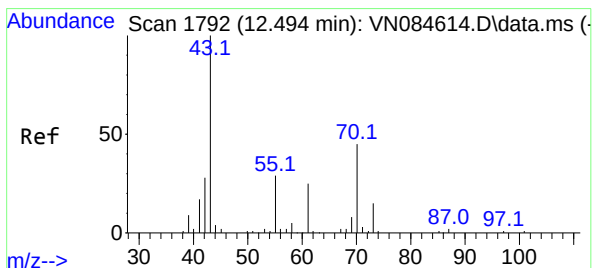
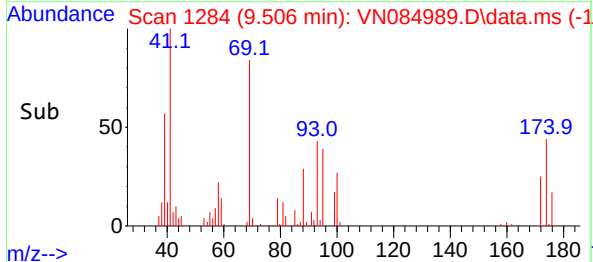
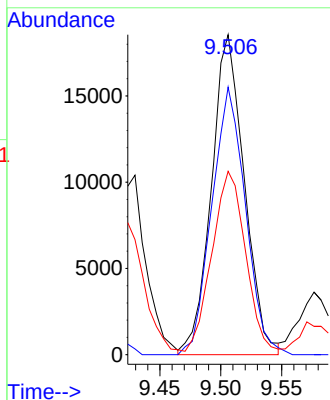
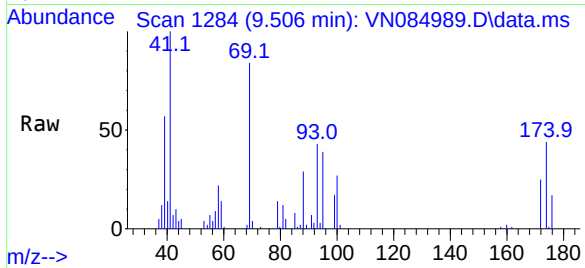




#46
Methyl methacrylate
Concen: 19.656 ug/l
RT: 9.506 min Scan# 11
Delta R.T. -0.177 min
Lab File: VN084989.D
Acq: 21 Nov 2024 11:20

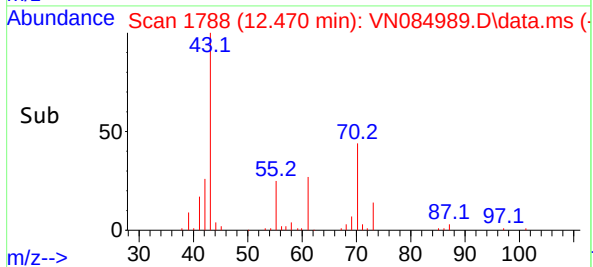
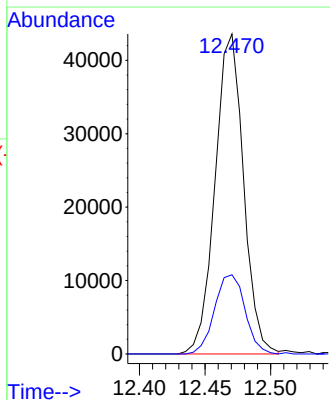
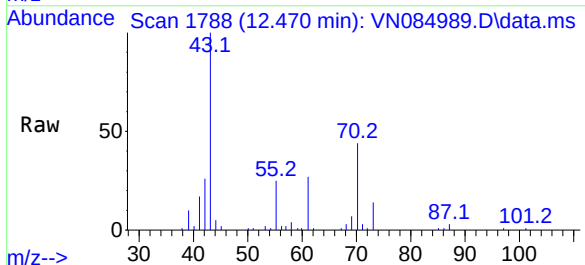
Instrument :
MSVOA_N
ClientSampleId :

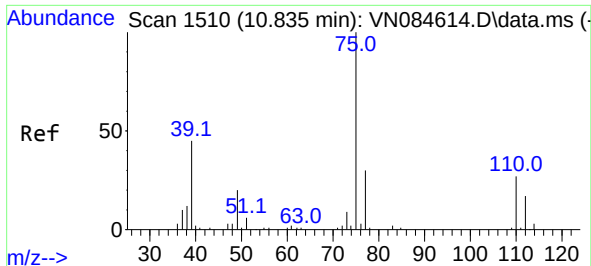
Tgt Ion: 41 Resp: 34877
Ion Ratio Lower Upper
41 100
69 84.7 43.4 130.2
39 56.5 24.7 74.1



#47
n-amy1 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

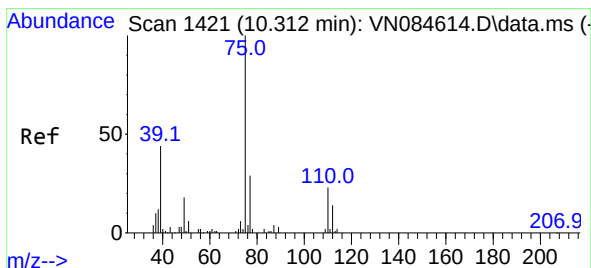
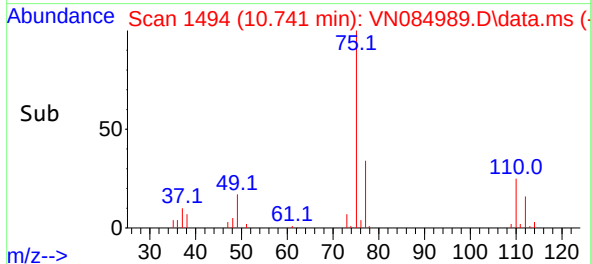
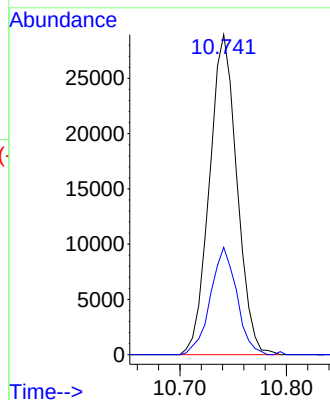
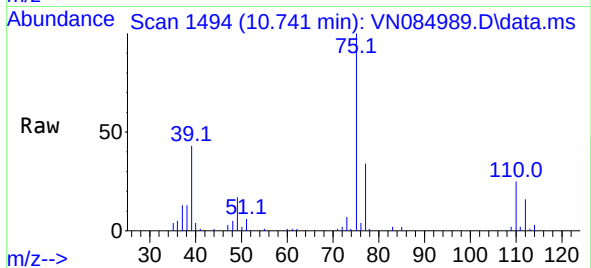
ClientSampleId :

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

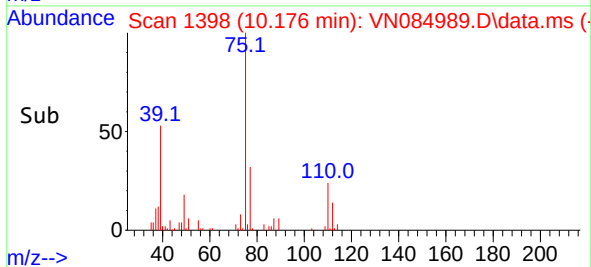
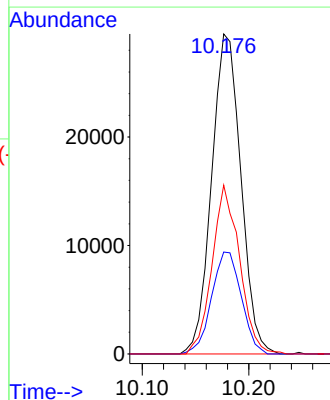
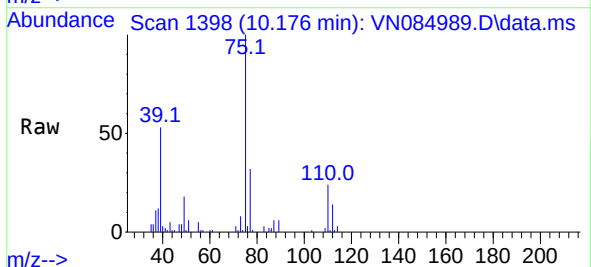
Tgt Ion: 75 Resp: 56280

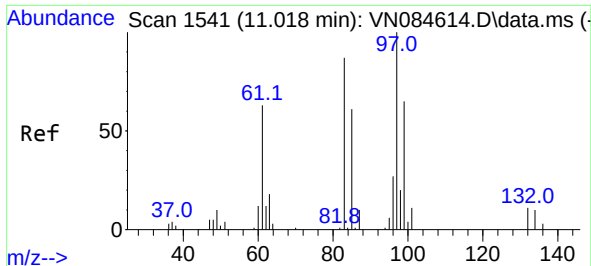
Ion Ratio Lower Upper

75 100

77 31.8 23.4 35.2

39 52.8 35.4 53.2



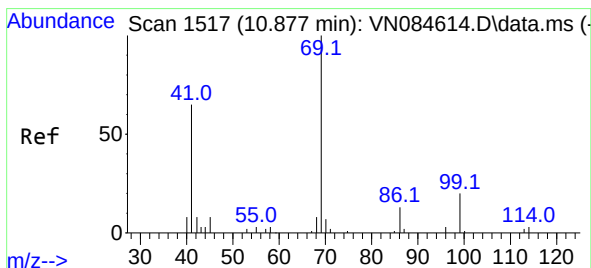
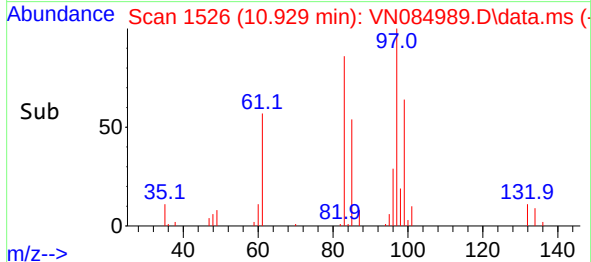
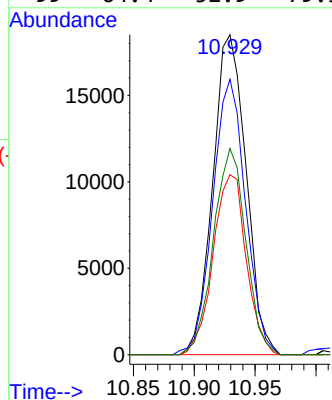
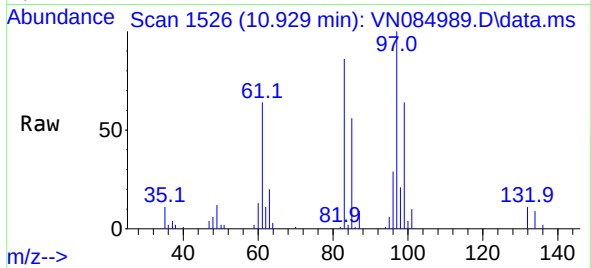


#50
1,1,2-Trichloroethane
Concen: 20.939 ug/l
RT: 10.929 min Scan# 11
Delta R.T. -0.088 min
Lab File: VN084989.D
Acq: 21 Nov 2024 11:20

Instrument :
MSVOA_N
ClientSampleId :

Tgt Ion: 97 Resp: 35170

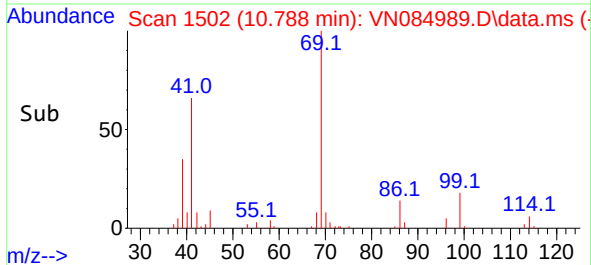
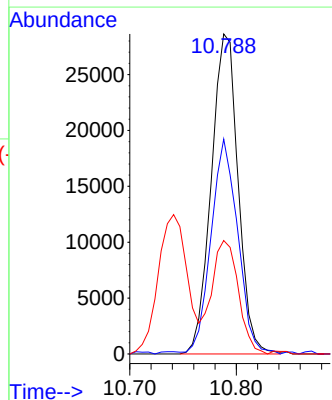
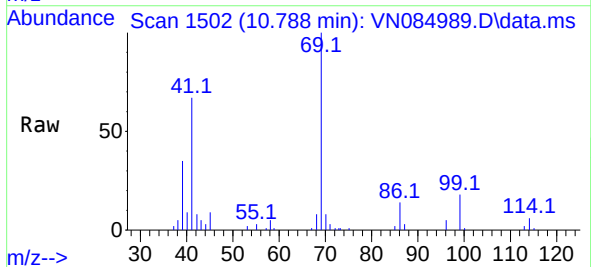
Ion	Ratio	Lower	Upper
97	100		
83	86.0	69.8	104.8
85	56.3	48.6	73.0
99	64.4	52.9	79.3

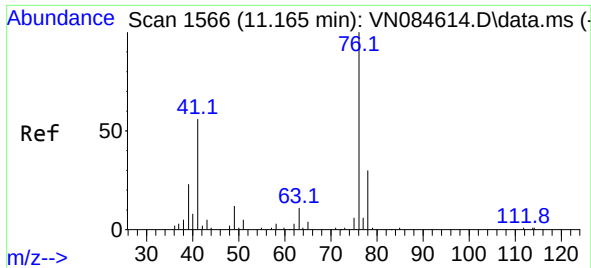


#51
Ethyl methacrylate
Concen: 19.357 ug/l
RT: 10.788 min Scan# 1502
Delta R.T. -0.088 min
Lab File: VN084989.D
Acq: 21 Nov 2024 11:20

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

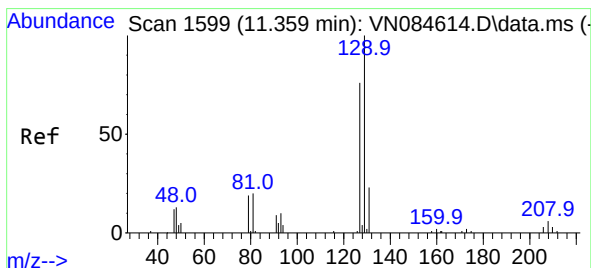
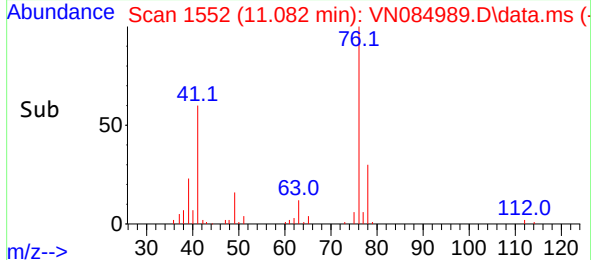
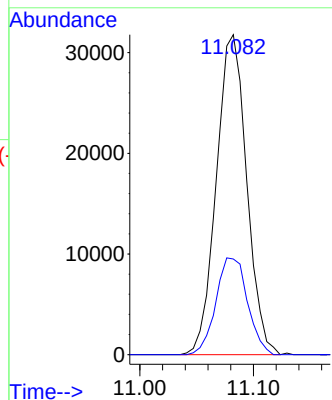
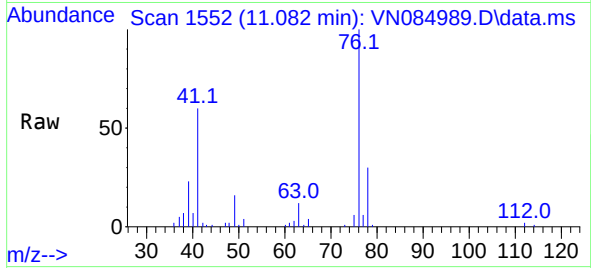




#52
1,3-Dichloropropane
Concen: 20.222 ug/l
RT: 11.082 min Scan# 1552
Delta R.T. -0.082 min
Lab File: VN084989.D
Acq: 21 Nov 2024 11:20

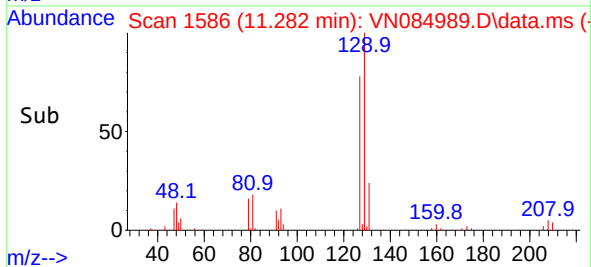
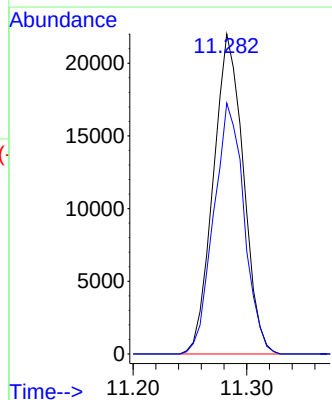
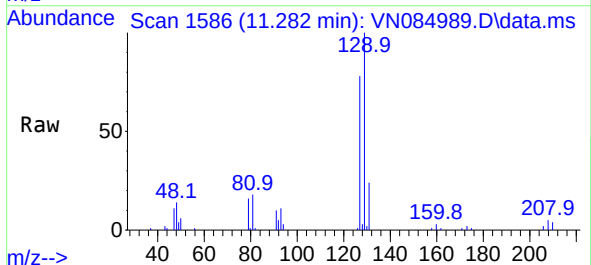
Instrument :
MSVOA_N
ClientSampleId :

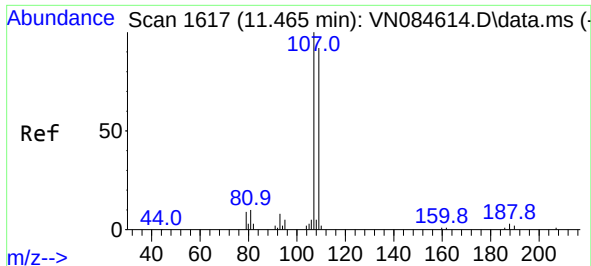
Tgt Ion: 76 Resp: 58956
Ion Ratio Lower Upper
76 100
78 31.5 0.0 64.0



#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

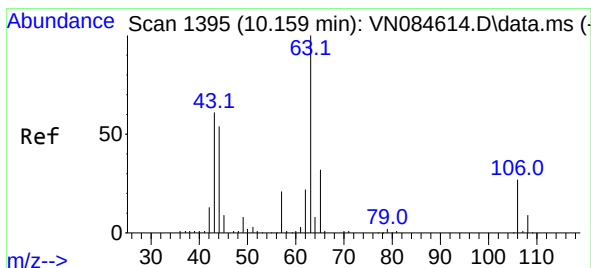
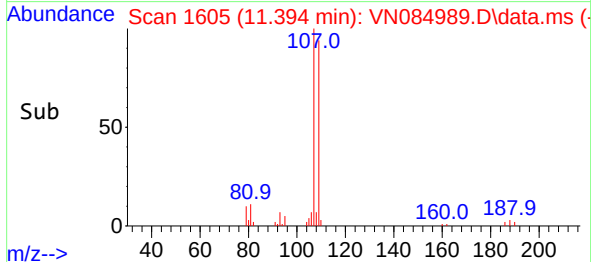
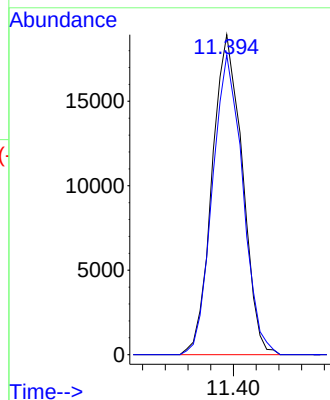
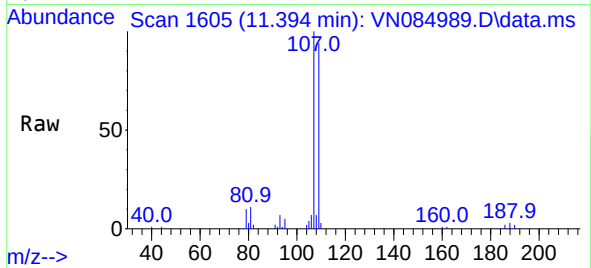




#54
1,2-Dibromoethane
Concen: 20.563 ug/l
RT: 11.394 min Scan# 1
Delta R.T. -0.071 min
Lab File: VN084989.D
Acq: 21 Nov 2024 11:20

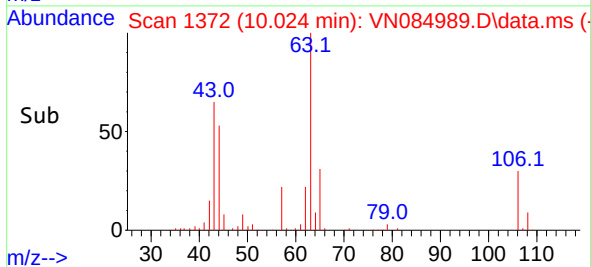
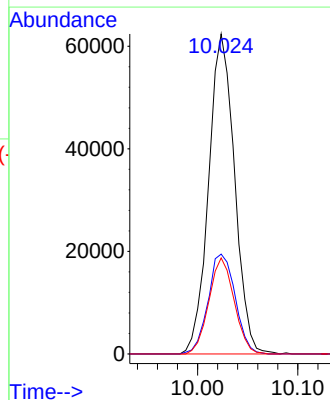
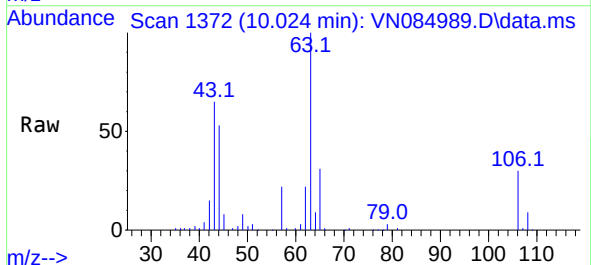
Instrument :
MSVOA_N
ClientSampleId :

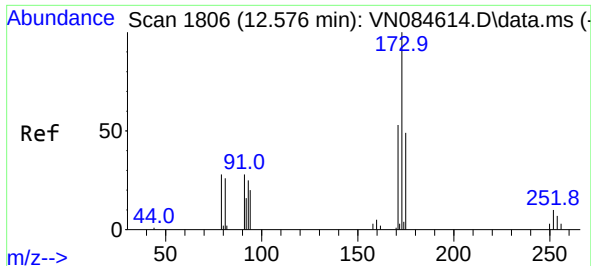
Tgt Ion:107 Resp: 34932
Ion Ratio Lower Upper
107 100
109 94.1 73.4 110.0



#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

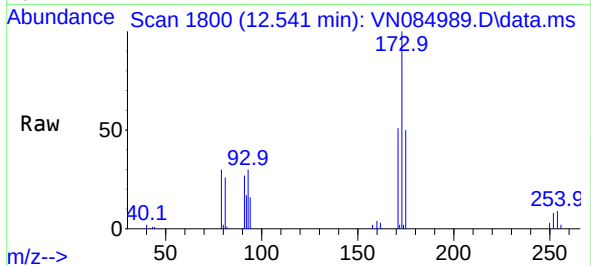
Tgt Ion: 63 Resp: 112235
Ion Ratio Lower Upper
63 100
65 32.6 25.5 38.3
106 29.2 22.3 33.5



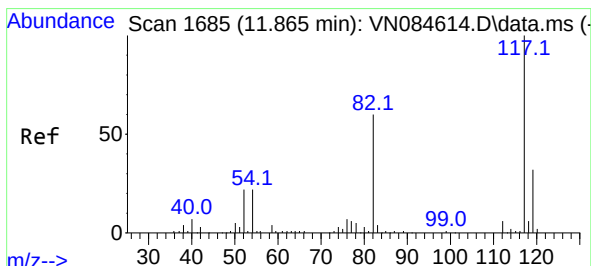
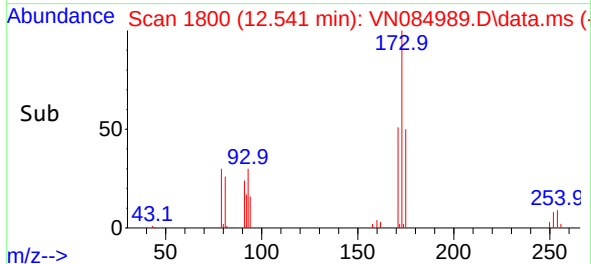
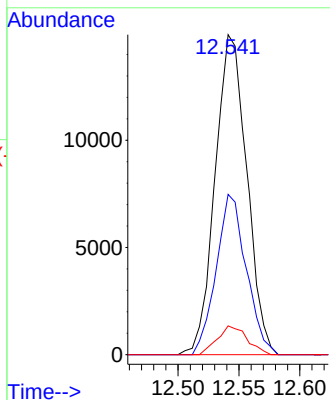


#56
Bromoform
Concen: 20.533 ug/l
RT: 12.541 min Scan# 11
Delta R.T. -0.035 min
Lab File: VN084989.D
Acq: 21 Nov 2024 11:20

Instrument :
MSVOA_N
ClientSampleId :

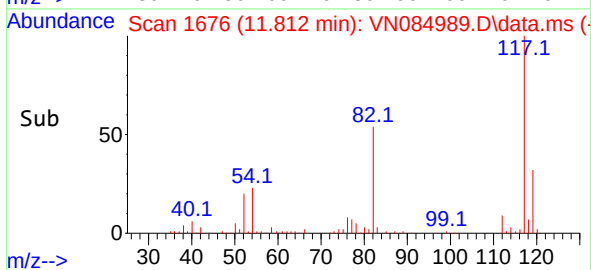
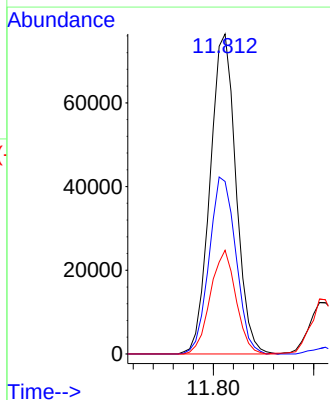
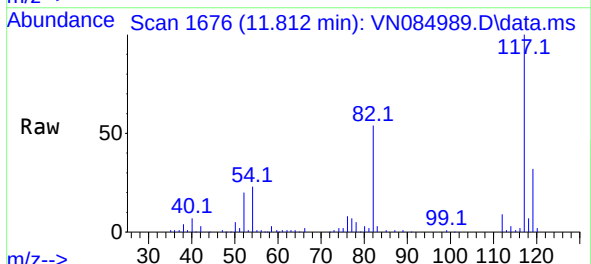


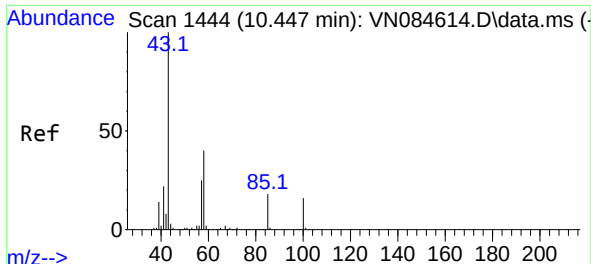
Tgt Ion:173 Resp: 27052
Ion Ratio Lower Upper
173 100
175 47.6 39.4 59.2
254 8.5 6.4 9.6



#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

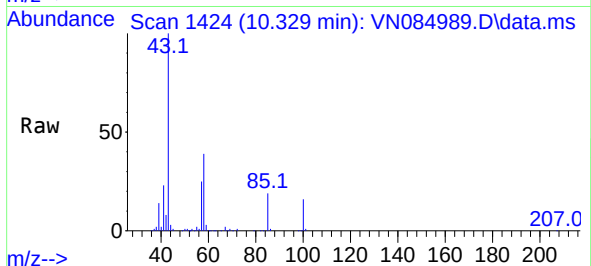
Tgt Ion:117 Resp: 136882
Ion Ratio Lower Upper
117 100
82 57.1 45.5 68.3
119 32.0 25.3 37.9



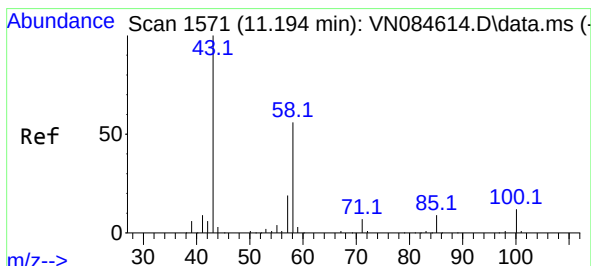
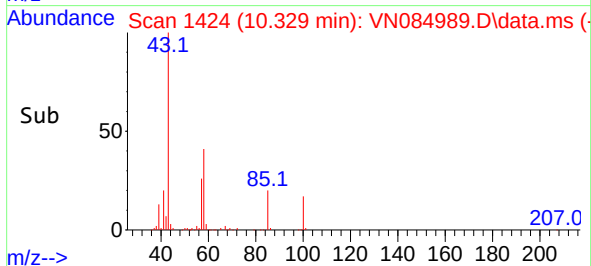
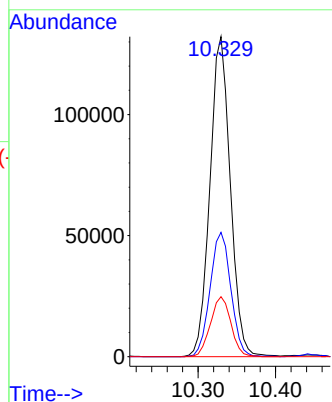


#58
4-Methyl-2-Pentanone
Concen: 111.962 ug/l
RT: 10.329 min Scan# 1444
Delta R.T. -0.118 min
Lab File: VN084989.D
Acq: 21 Nov 2024 11:20

Instrument :
MSVOA_N
ClientSampleId :

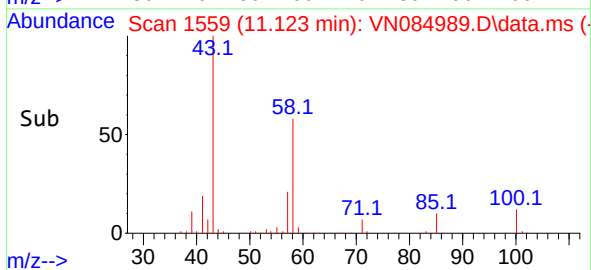
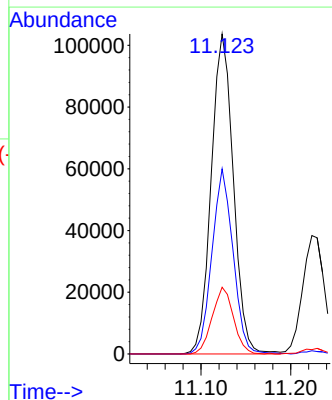
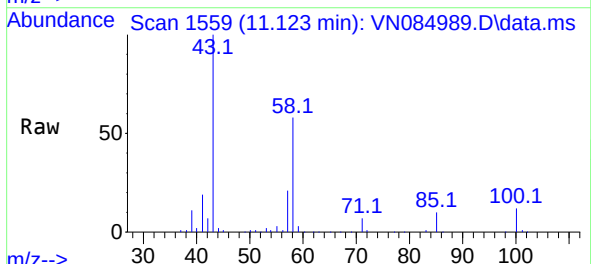


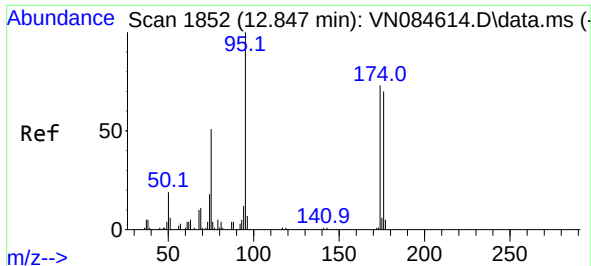
Tgt Ion: 43 Resp: 241779
Ion Ratio Lower Upper
43 100
58 39.6 31.2 46.8
85 18.8 14.9 22.3



#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



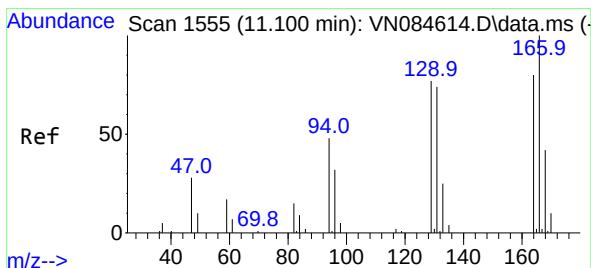
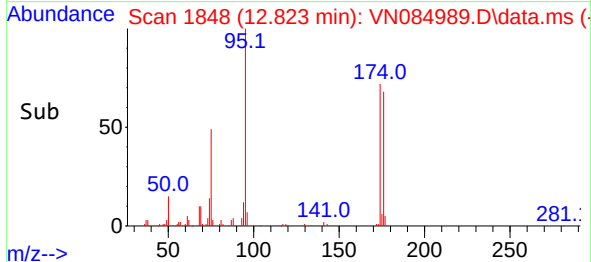
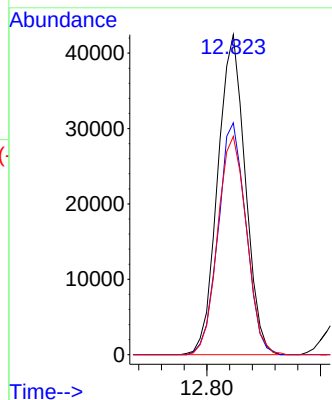
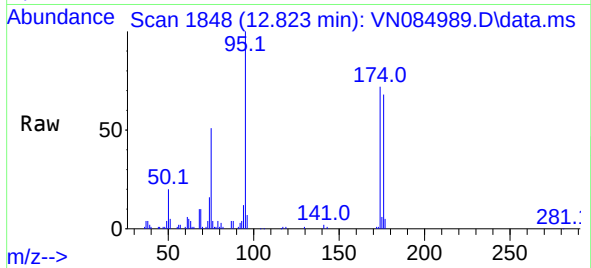


#60
4-Bromofluorobenzene
Concen: 30.335 ug/l
RT: 12.823 min Scan# 11496
Delta R.T. -0.024 min
Lab File: VN084989.D
Acq: 21 Nov 2024 11:20

Instrument :
MSVOA_N
ClientSampleId :

Tgt Ion: 95 Resp: 71496

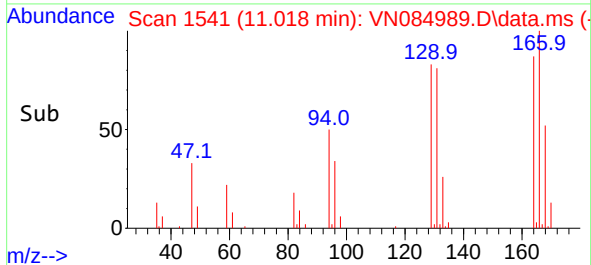
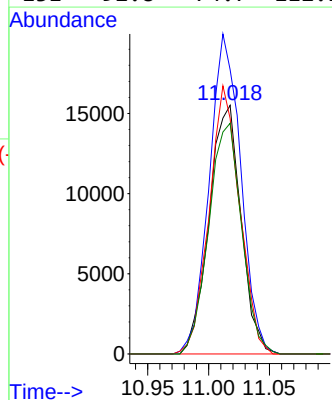
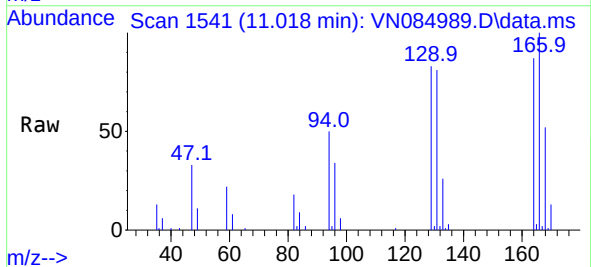
Ion	Ratio	Lower	Upper
95	100		
174	73.1	59.6	89.4
176	71.5	58.6	88.0

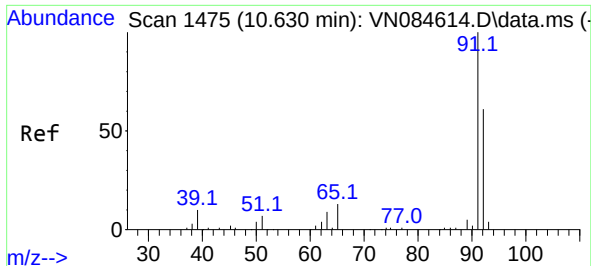


#61
Tetrachloroethene
Concen: 19.718 ug/l
RT: 11.018 min Scan# 1541
Delta R.T. -0.082 min
Lab File: VN084989.D
Acq: 21 Nov 2024 11:20

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

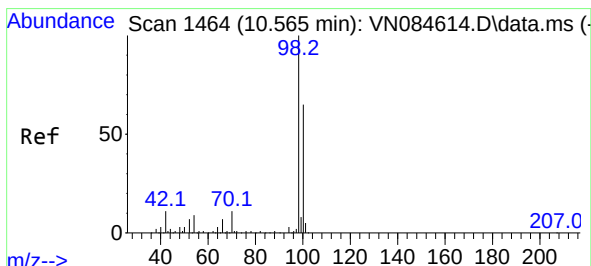
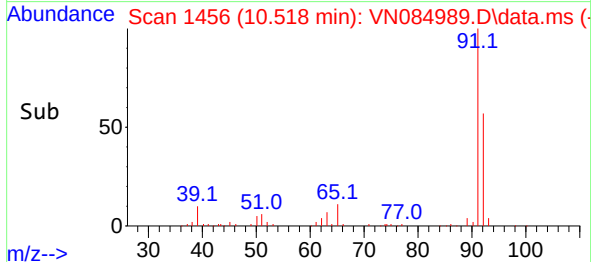
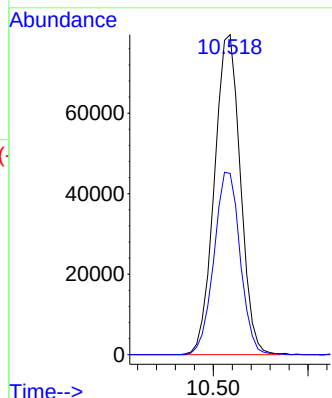
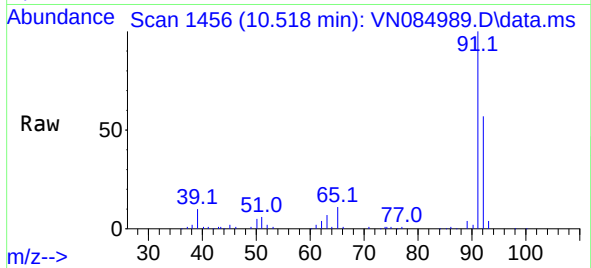




#62
Toluene
Concen: 19.453 ug/l
RT: 10.518 min Scan# 1475
Delta R.T. -0.112 min
Lab File: VN084989.D
Acq: 21 Nov 2024 11:20

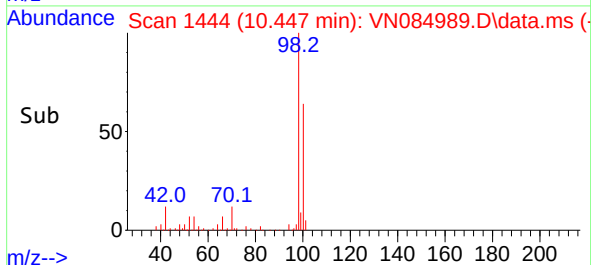
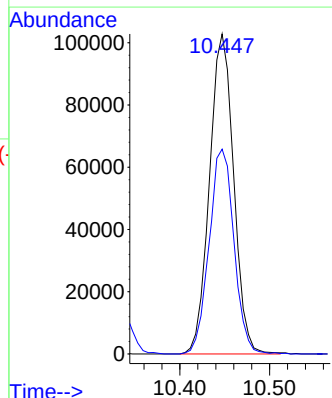
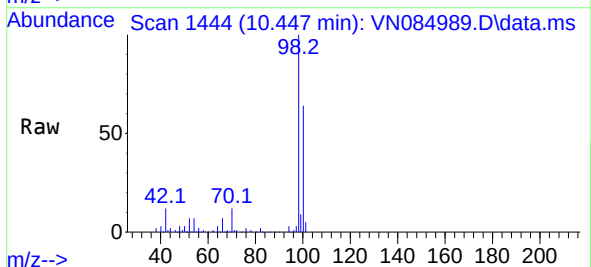
Instrument :
MSVOA_N
ClientSampleId :

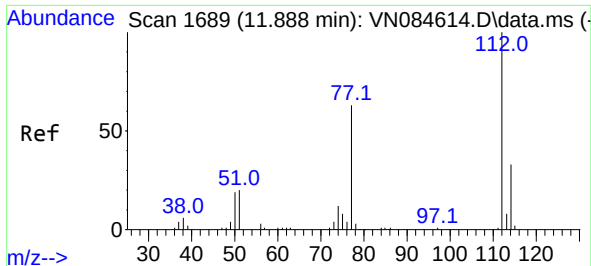
Tgt Ion: 91 Resp: 151665
Ion Ratio Lower Upper
91 100
92 57.4 47.5 71.3



#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

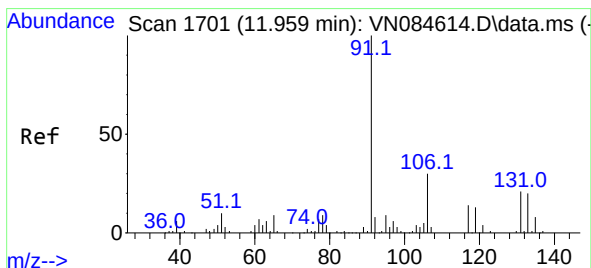
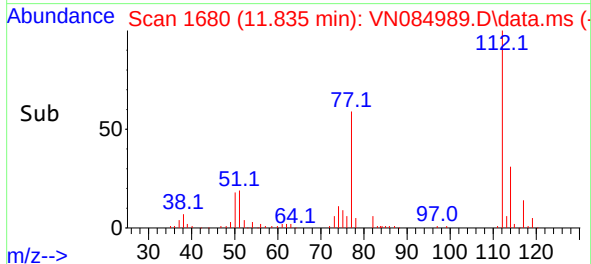
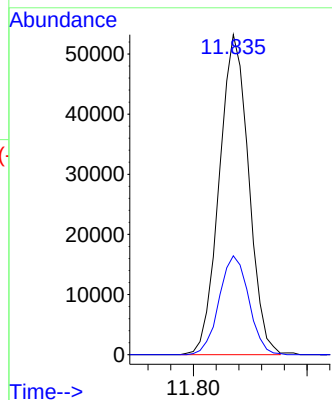
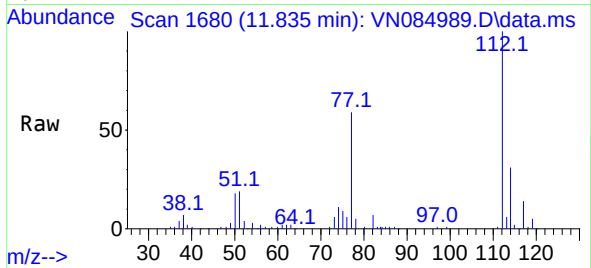




#64
Chlorobenzene
Concen: 20.310 ug/l
RT: 11.835 min Scan# 1680
Delta R.T. -0.053 min
Lab File: VN084989.D
Acq: 21 Nov 2024 11:20

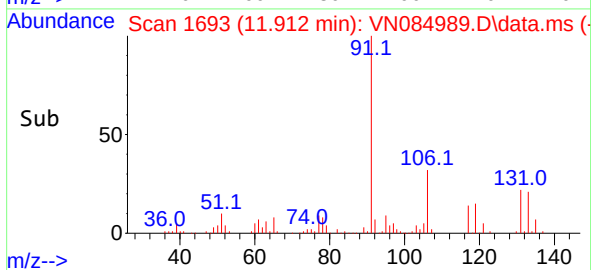
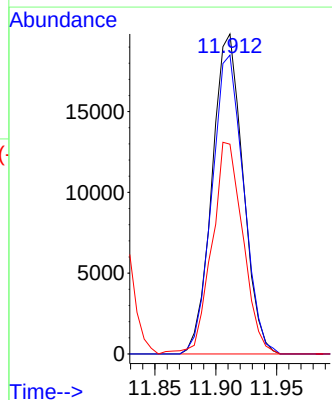
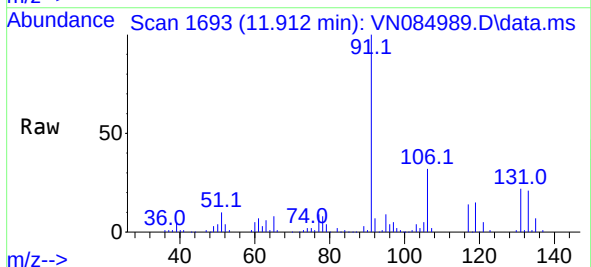
Instrument :
MSVOA_N
ClientSampleId :

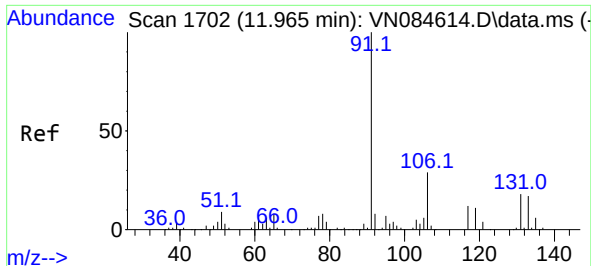
Tgt Ion:112 Resp: 95590
Ion Ratio Lower Upper
112 100
114 30.9 26.2 39.4



#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

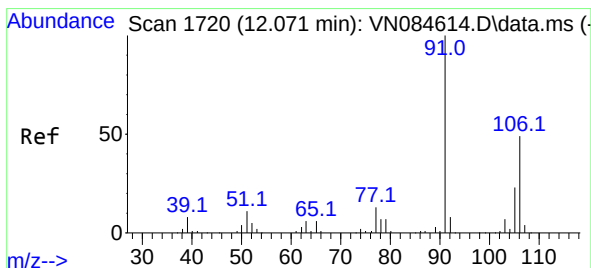
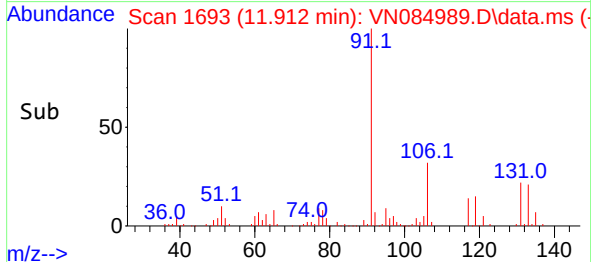
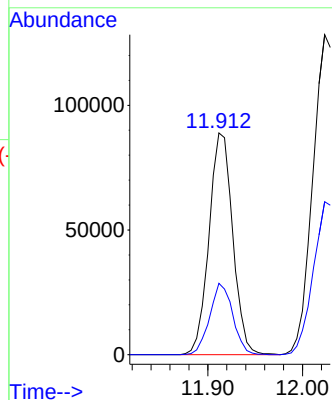
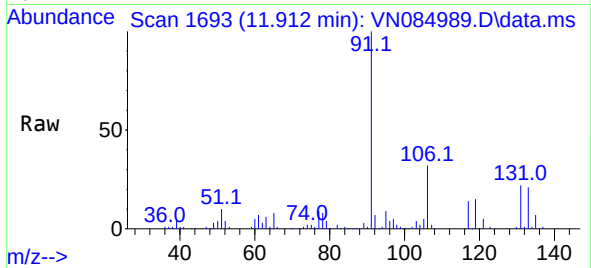




#66
Ethyl Benzene
Concen: 18.918 ug/l
RT: 11.912 min Scan# 1
Delta R.T. -0.053 min
Lab File: VN084989.D
Acq: 21 Nov 2024 11:20

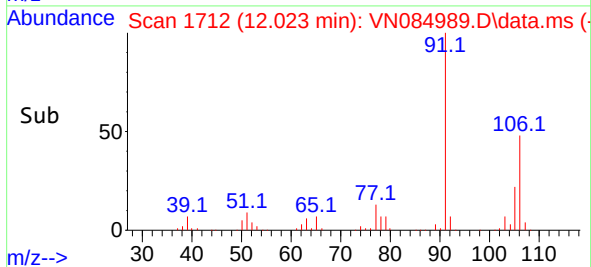
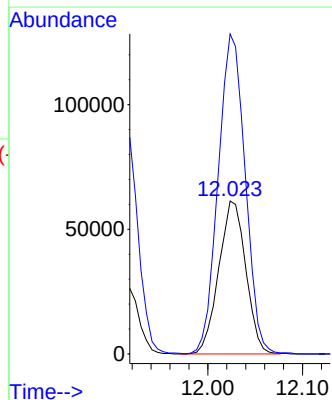
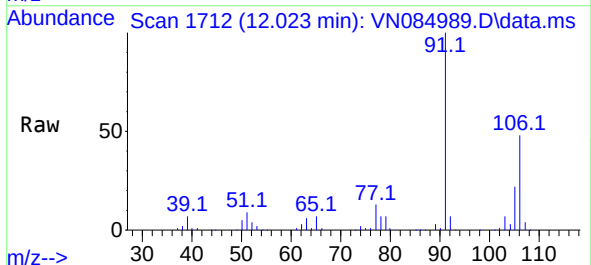
Instrument :
MSVOA_N
ClientSampleId :

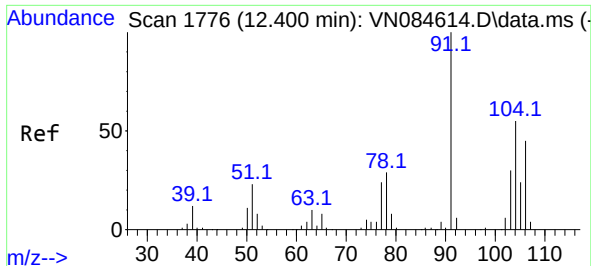
Tgt Ion: 91 Resp: 155004
Ion Ratio Lower Upper
91 100
106 32.2 22.9 34.3



#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

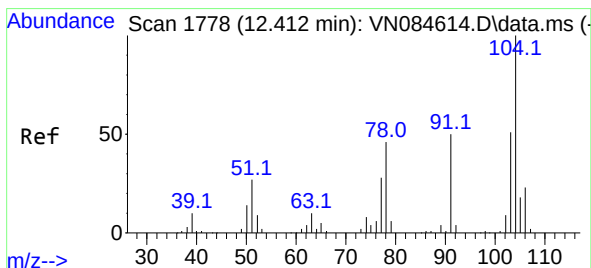
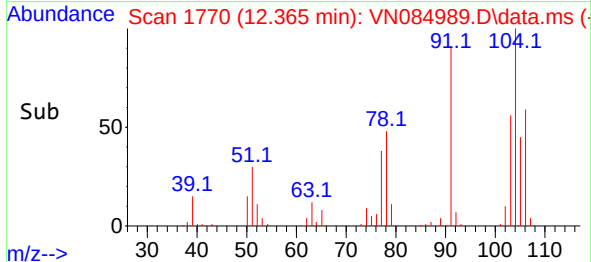
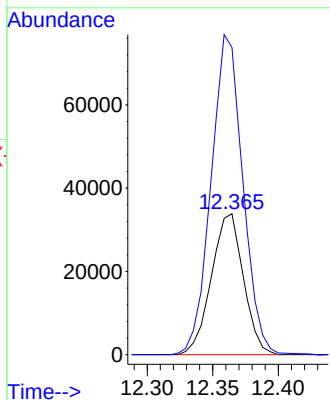
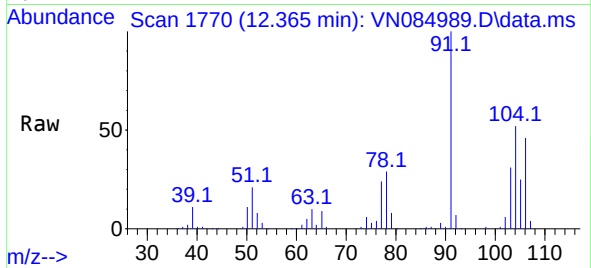




#68
o-Xylene
Concen: 19.009 ug/l
RT: 12.365 min Scan# 1776
Delta R.T. -0.035 min
Lab File: VN084989.D
Acq: 21 Nov 2024 11:20

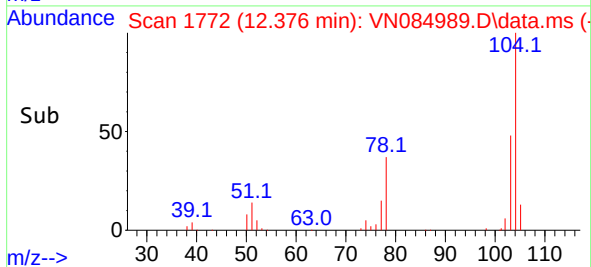
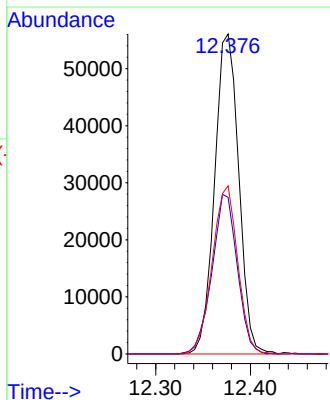
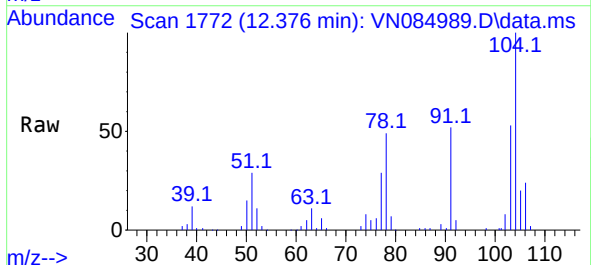
Instrument :
MSVOA_N
ClientSampleId :

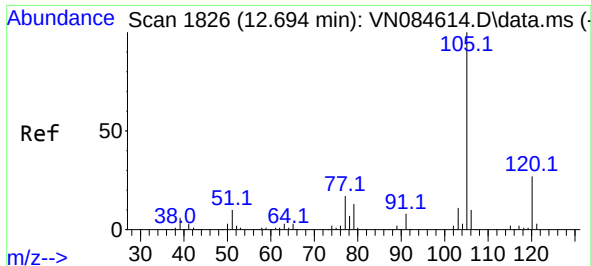
Tgt Ion:106 Resp: 57518
Ion Ratio Lower Upper
106 100
91 225.5 107.7 322.9



#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

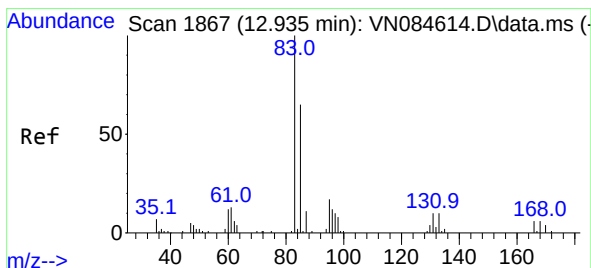
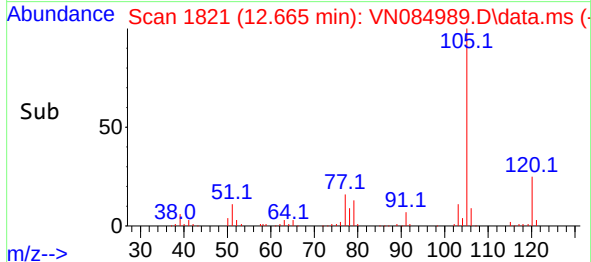
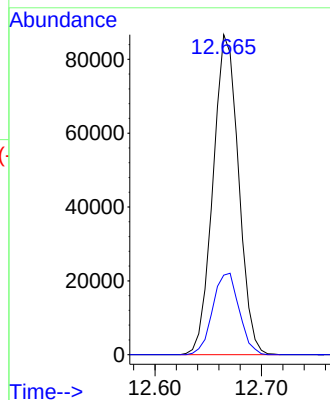
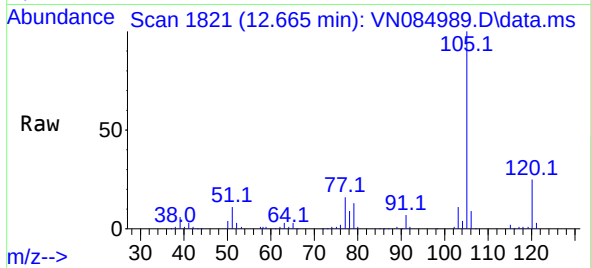




#70
Isopropylbenzene
Concen: 19.213 ug/l
RT: 12.665 min Scan# 1821
Delta R.T. -0.030 min
Lab File: VN084989.D
Acq: 21 Nov 2024 11:20

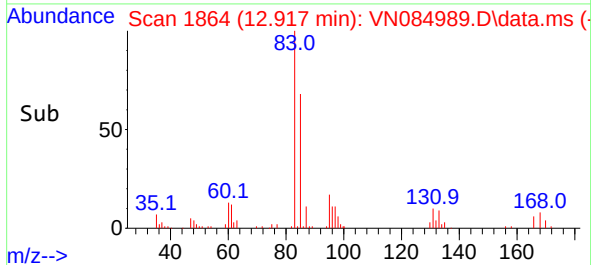
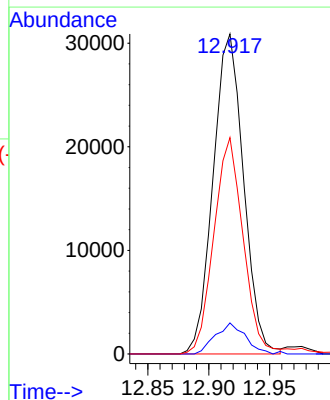
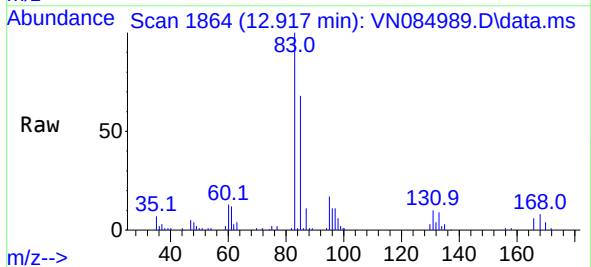
Instrument :
MSVOA_N
ClientSampleId :

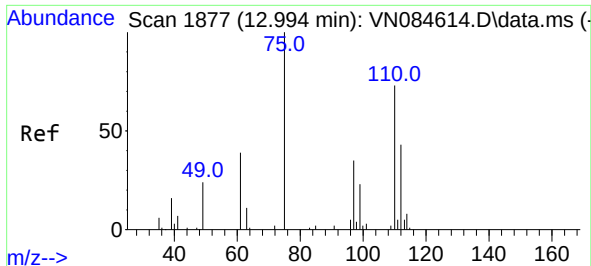
Tgt Ion:105 Resp: 144422
Ion Ratio Lower Upper
105 100
120 26.4 18.7 34.7



#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

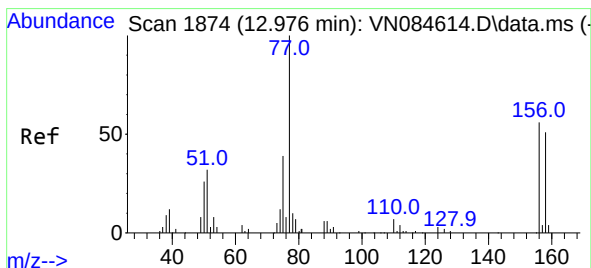
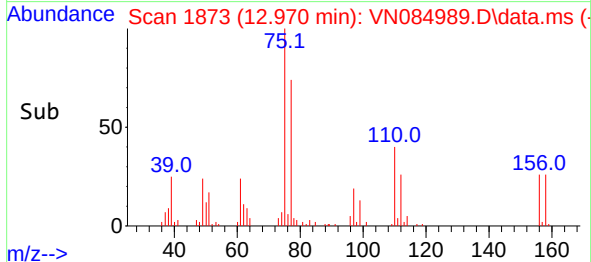
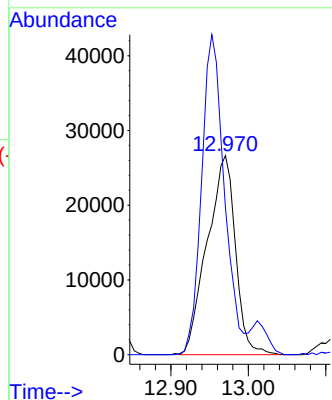
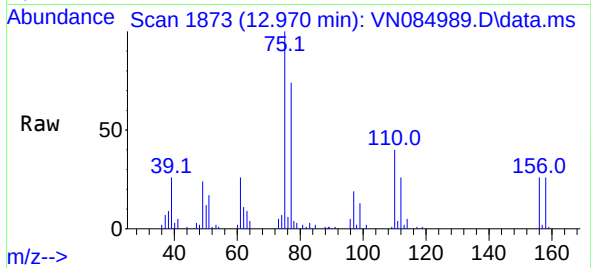




#72
1,2,3-Trichloropropane
Concen: 32.458 ug/l
RT: 12.970 min Scan# 1870
Delta R.T. -0.024 min
Lab File: VN084989.D
Acq: 21 Nov 2024 11:20

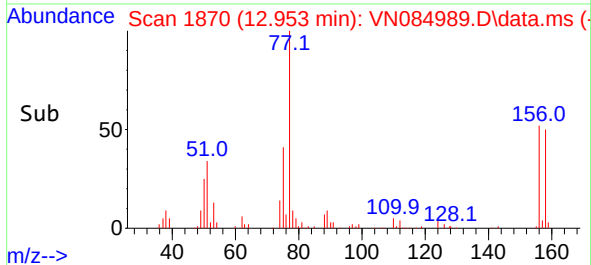
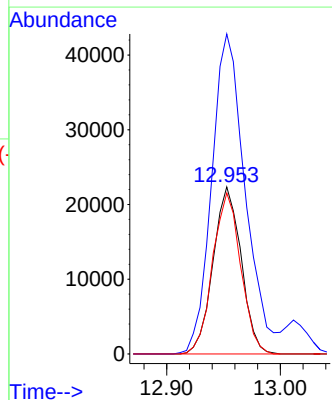
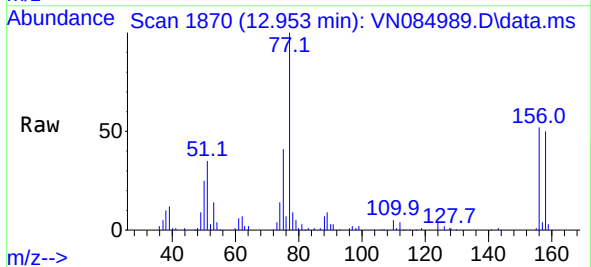
Instrument :
MSVOA_N
ClientSampleId :

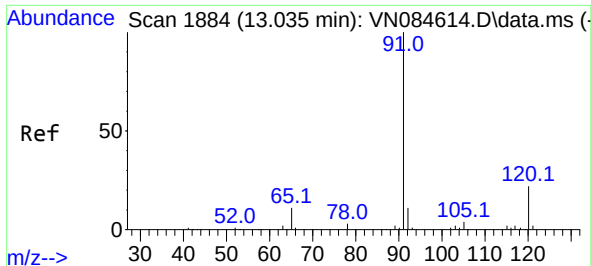
Tgt Ion: 75 Resp: 67525
Ion Ratio Lower Upper
75 100
77 129.0 0.0 358.4



#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

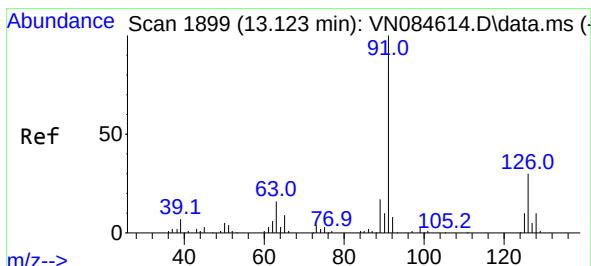
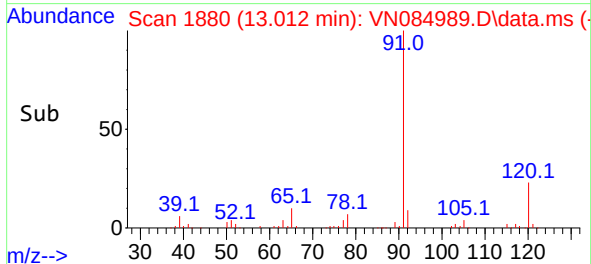
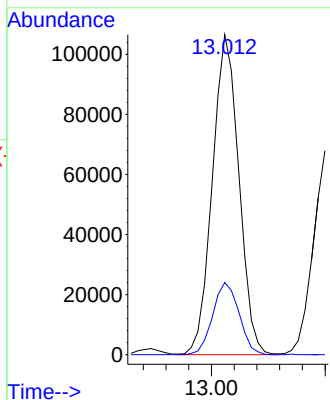
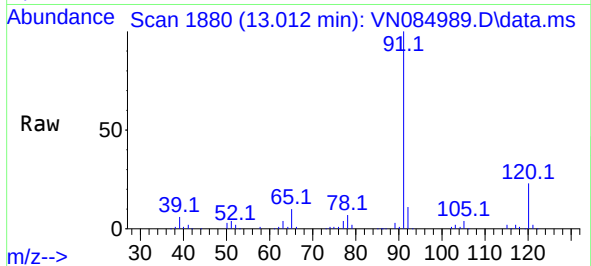




#74
n-propylbenzene
Concen: 19.637 ug/l
RT: 13.012 min Scan# 1880
Delta R.T. -0.024 min
Lab File: VN084989.D
Acq: 21 Nov 2024 11:20

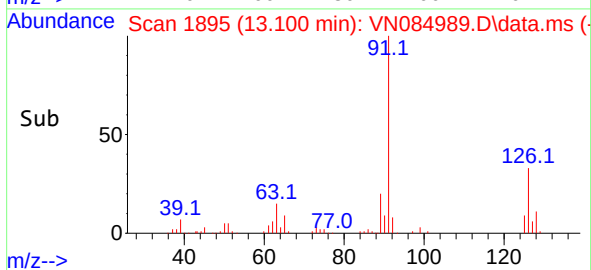
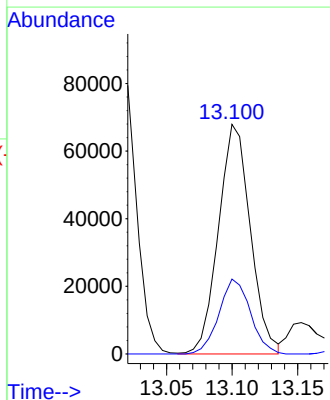
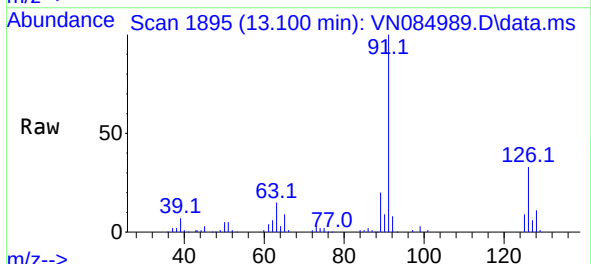
Instrument :
MSVOA_N
ClientSampleId :

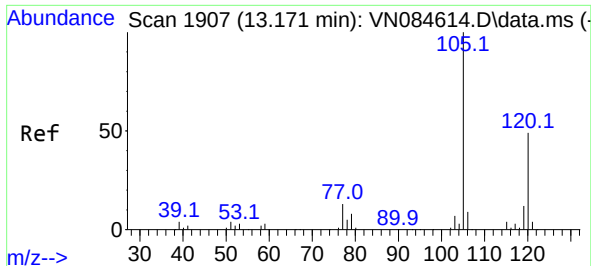
Tgt Ion: 91 Resp: 172606
Ion Ratio Lower Upper
91 100
120 22.3 0.0 44.0



#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

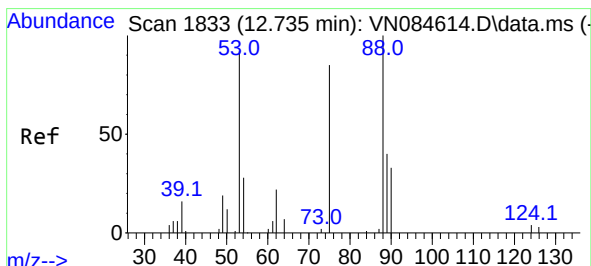
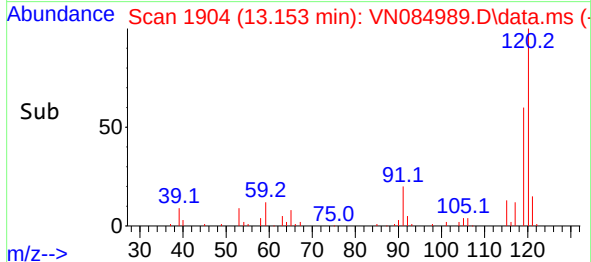
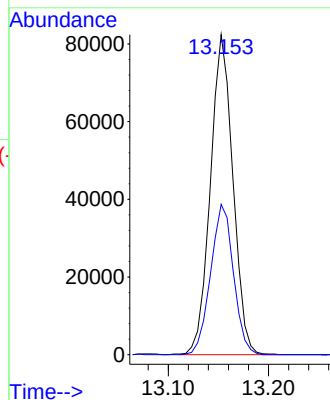
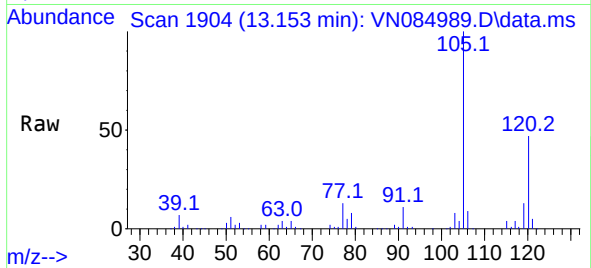




#76
1,3,5-Trimethylbenzene
Concen: 19.988 ug/l
RT: 13.153 min Scan# 1904
Delta R.T. -0.018 min
Lab File: VN084989.D
Acq: 21 Nov 2024 11:20

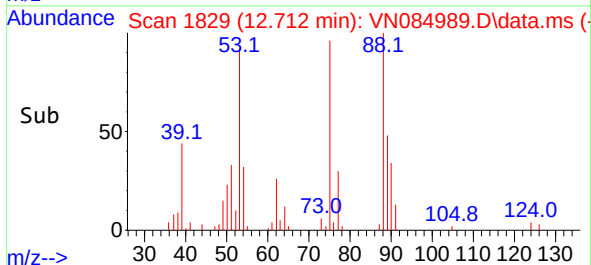
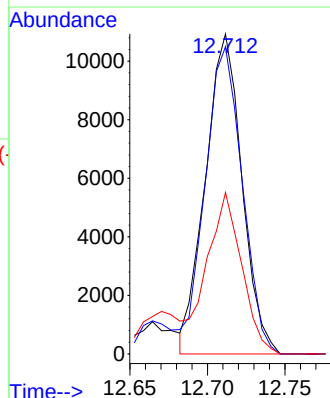
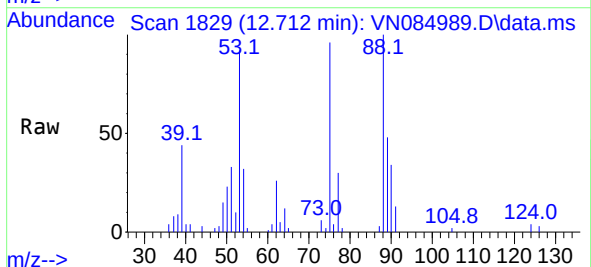
Instrument :
MSVOA_N
ClientSampleId :

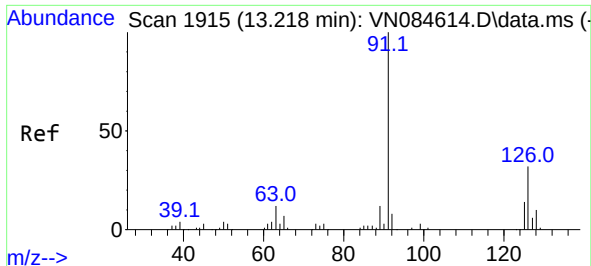
Tgt Ion:105 Resp: 128372
Ion Ratio Lower Upper
105 100
120 47.6 0.0 96.8



#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

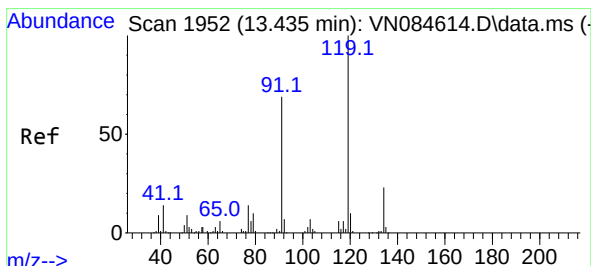
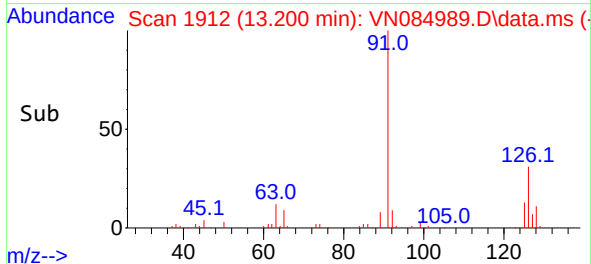
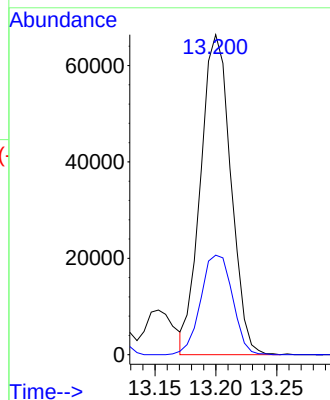
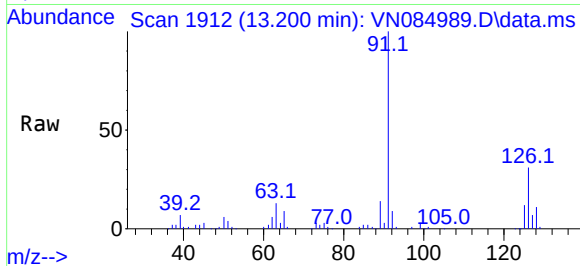




#78
4-Chlorotoluene
Concen: 19.814 ug/l
RT: 13.200 min Scan# 1912
Delta R.T. -0.018 min
Lab File: VN084989.D
Acq: 21 Nov 2024 11:20

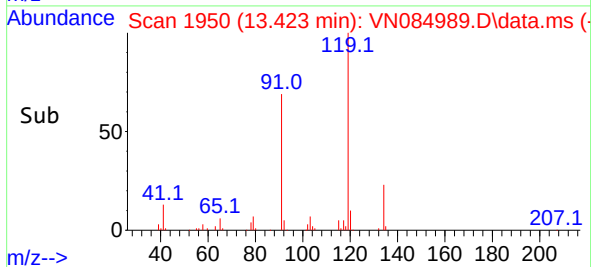
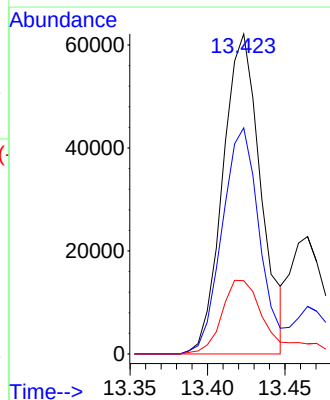
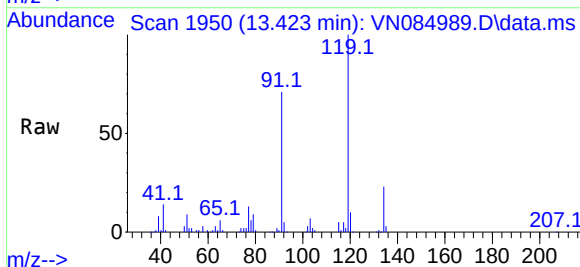
Instrument :
MSVOA_N
ClientSampleId :

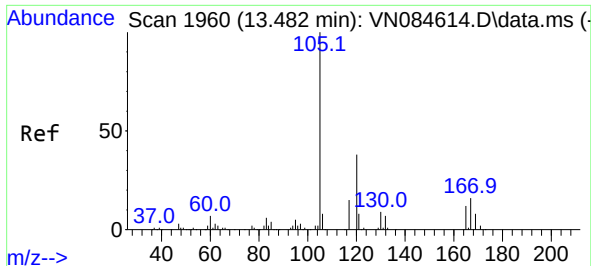
Tgt Ion: 91 Resp: 114592
Ion Ratio Lower Upper
91 100
126 32.7 0.0 63.4



#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

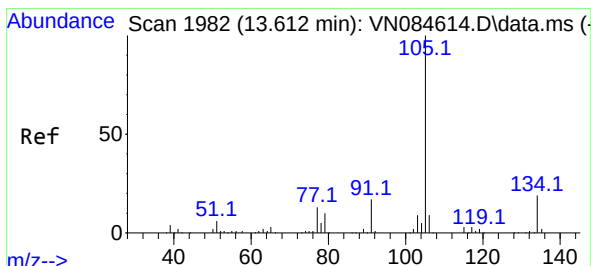
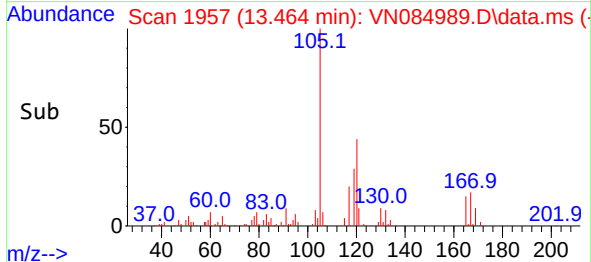
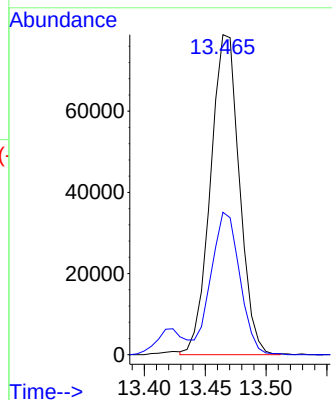
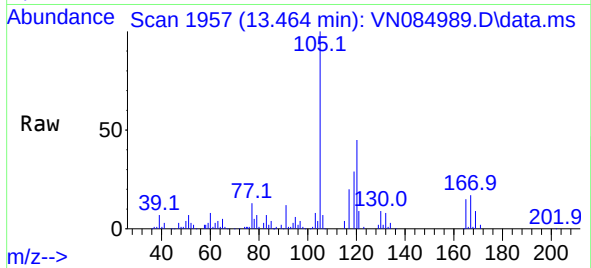




#80
1,2,4-Trimethylbenzene
Concen: 20.121 ug/l
RT: 13.464 min Scan# 1957
Delta R.T. -0.018 min
Lab File: VN084989.D
Acq: 21 Nov 2024 11:20

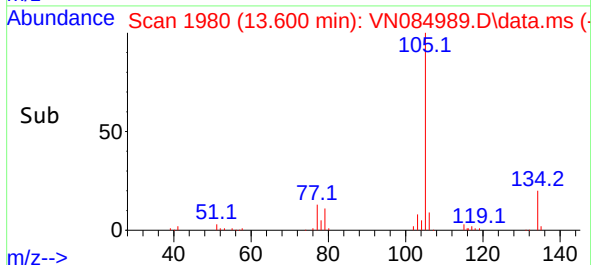
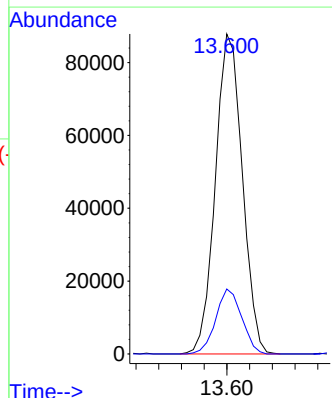
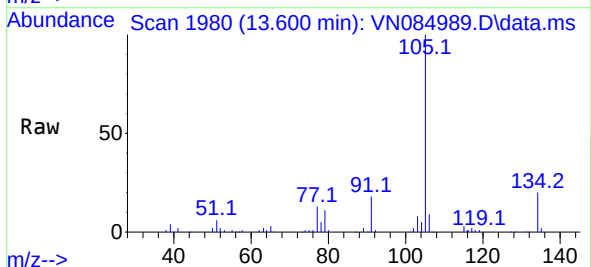
Instrument :
MSVOA_N
ClientSampleId :

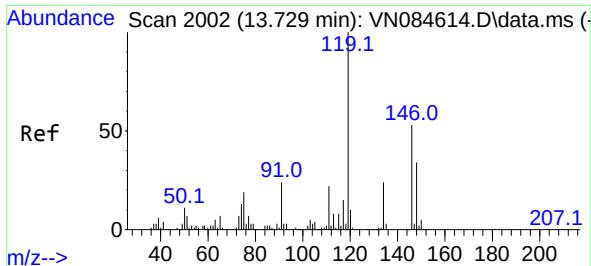
Tgt Ion:105 Resp: 130369
Ion Ratio Lower Upper
105 100
120 44.3 0.0 90.4



#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

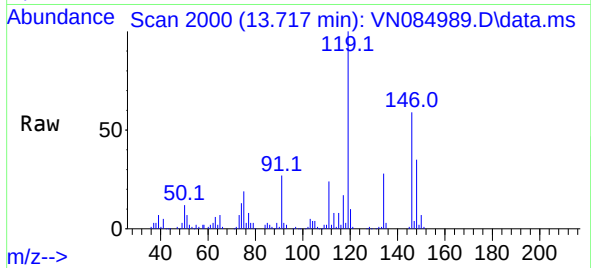
Tgt Ion:105 Resp: 144707
Ion Ratio Lower Upper
105 100
134 19.5 0.0 39.0



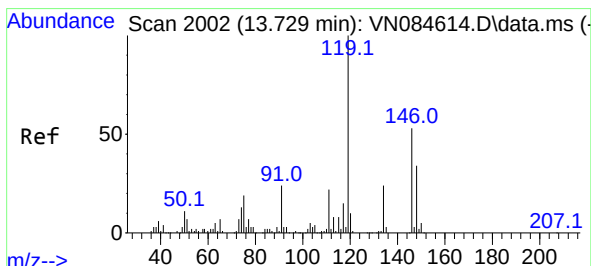
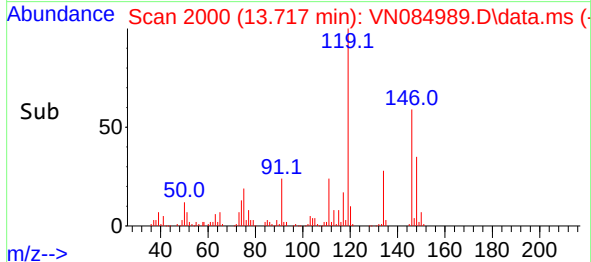
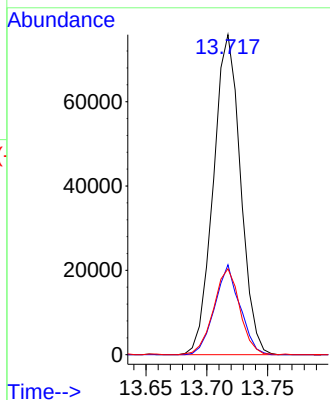


#82
p-Isopropyltoluene
Concen: 19.176 ug/l
RT: 13.717 min Scan# 2000
Delta R.T. -0.012 min
Lab File: VN084989.D
Acq: 21 Nov 2024 11:20

Instrument :
MSVOA_N
ClientSampleId :

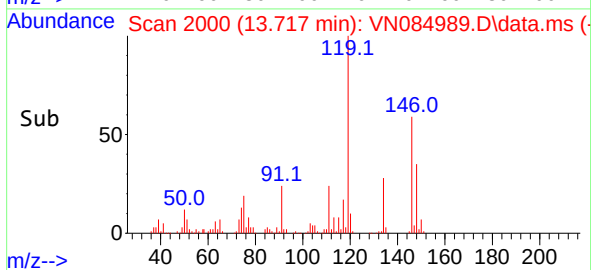
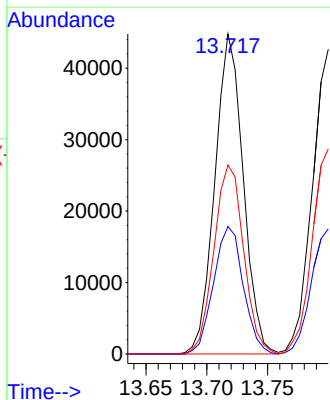
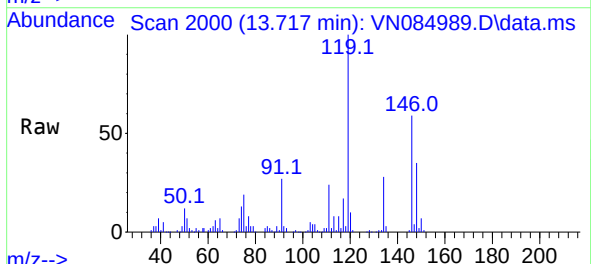


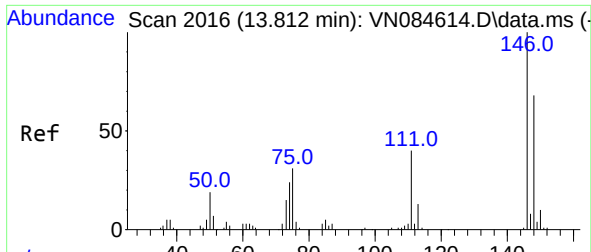
Tgt Ion:119 Resp: 117920
Ion Ratio Lower Upper
119 100
134 26.0 0.0 51.4
91 26.1 0.0 50.4



#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

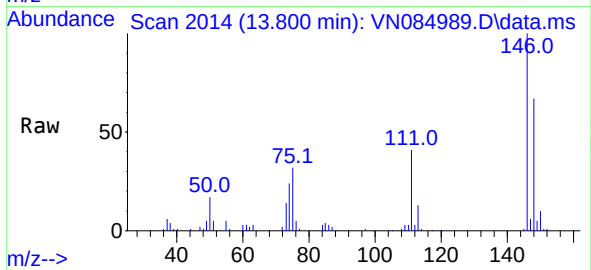
Tgt Ion:146 Resp: 72743
Ion Ratio Lower Upper
146 100
111 41.7 21.0 63.0
148 61.7 31.3 93.8



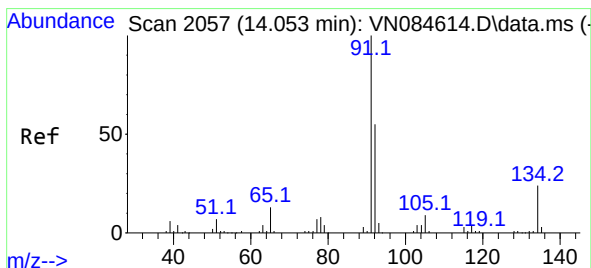
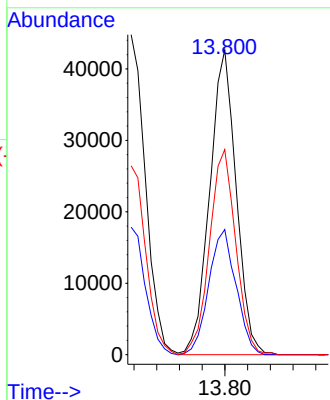
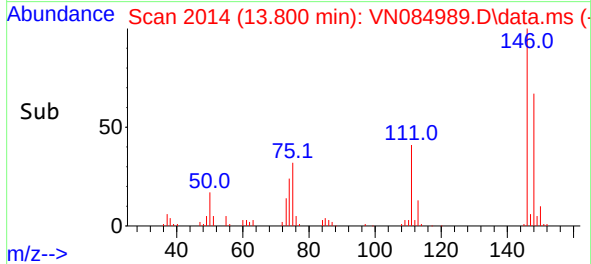


#84
1,4-Dichlorobenzene
Concen: 19.476 ug/l
RT: 13.800 min Scan# 2016
Delta R.T. -0.012 min
Lab File: VN084989.D
Acq: 21 Nov 2024 11:20

Instrument :
MSVOA_N
ClientSampleId :

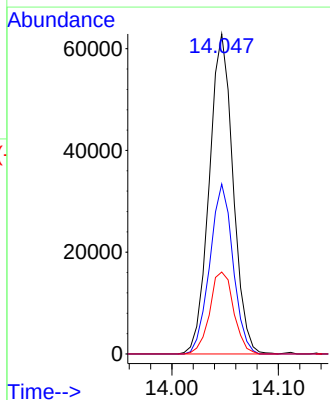
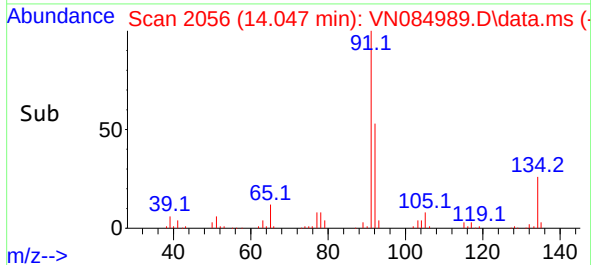
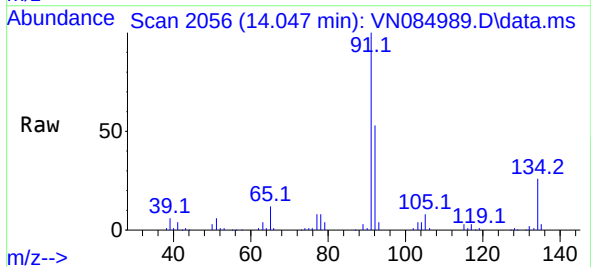


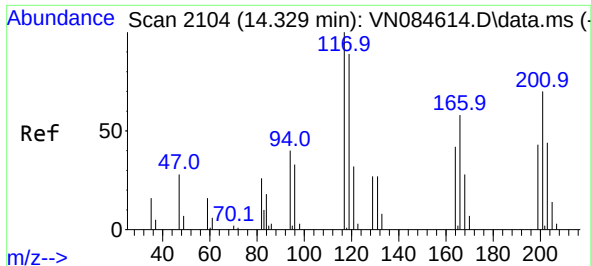
Tgt Ion:146 Resp: 69000
Ion Ratio Lower Upper
146 100
111 42.3 20.2 60.5
148 66.8 32.6 98.0



#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

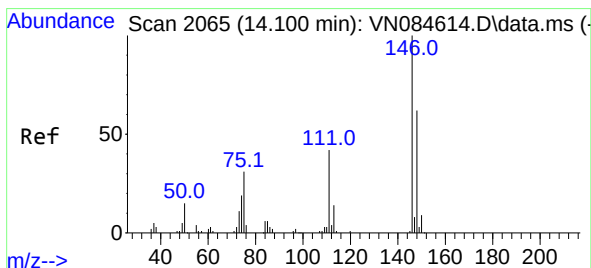
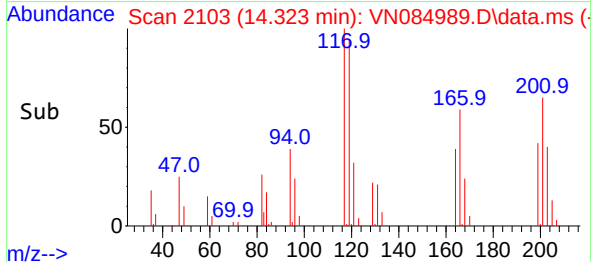
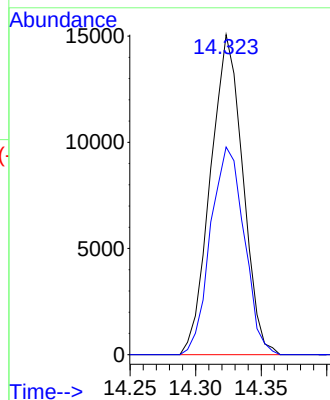
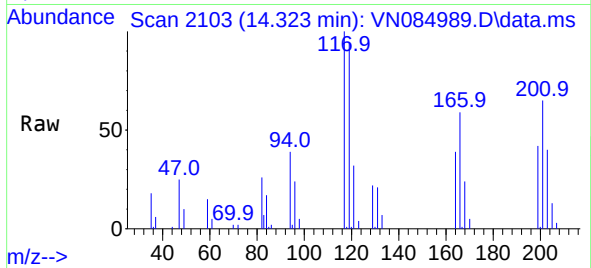




#86
Hexachloroethane
Concen: 20.542 ug/l
RT: 14.323 min Scan# 2104
Delta R.T. -0.006 min
Lab File: VN084989.D
Acq: 21 Nov 2024 11:20

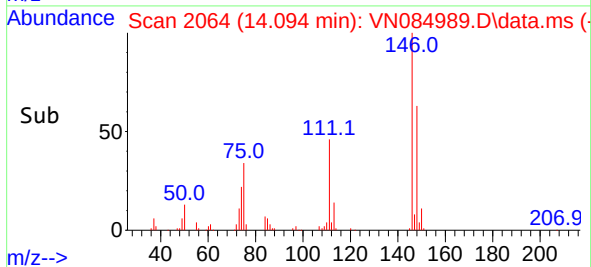
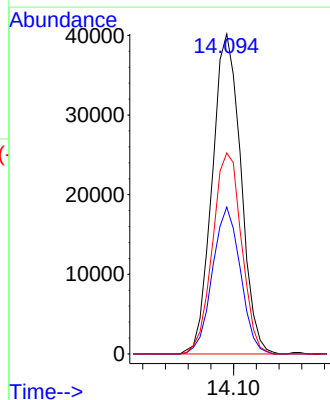
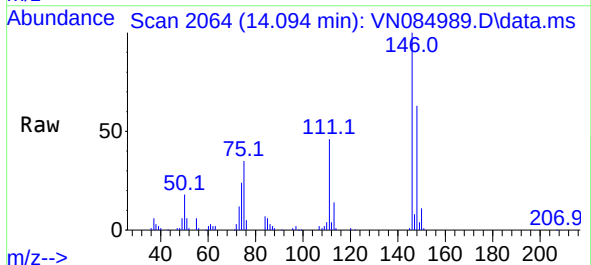
Instrument :
MSVOA_N
ClientSampleId :

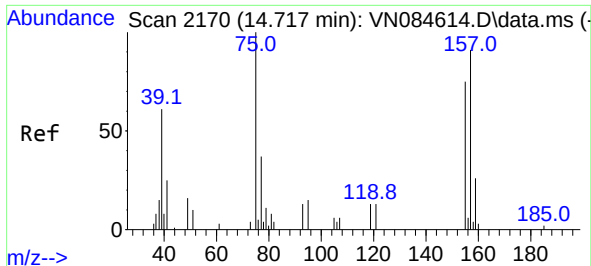
Tgt Ion:117 Resp: 25834
Ion Ratio Lower Upper
117 100
201 67.5 34.4 103.3



#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

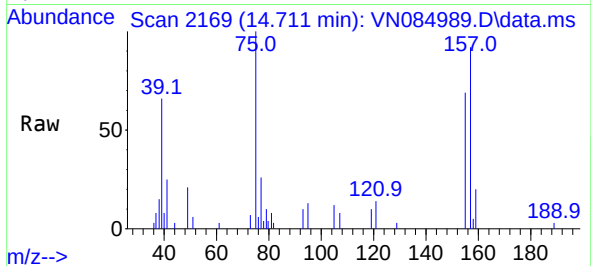
Tgt Ion:146 Resp: 70346
Ion Ratio Lower Upper
146 100
111 44.8 22.4 67.0
148 63.6 32.6 98.0



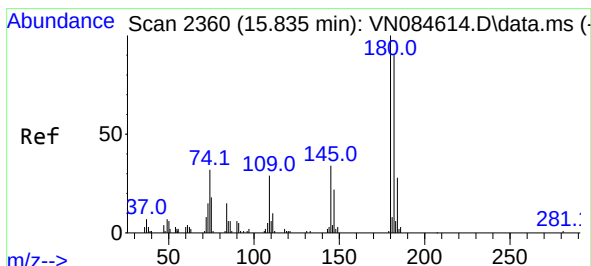
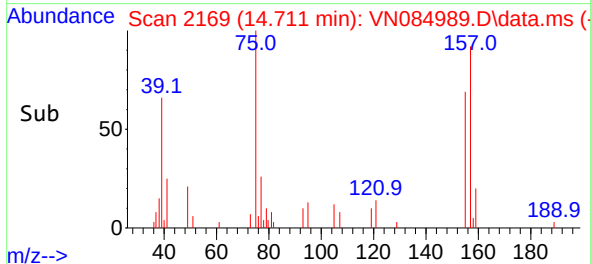
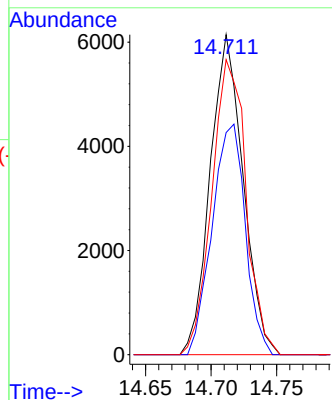


#88
1,2-Dibromo-3-Chloropropane
Concen: 22.891 ug/l
RT: 14.711 min Scan# 2170
Delta R.T. -0.006 min
Lab File: VN084989.D
Acq: 21 Nov 2024 11:20

Instrument :
MSVOA_N
ClientSampleId :

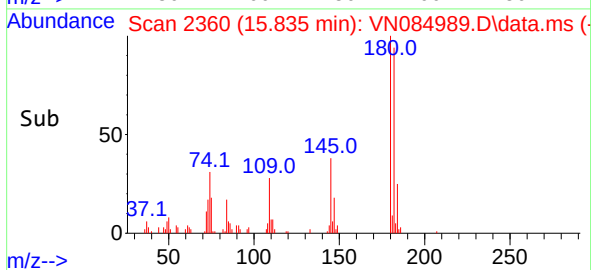
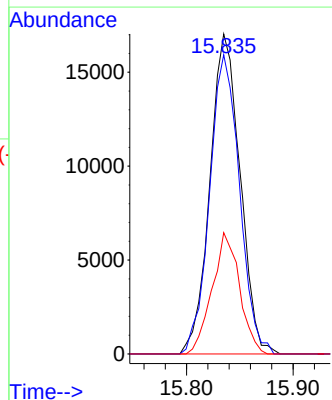
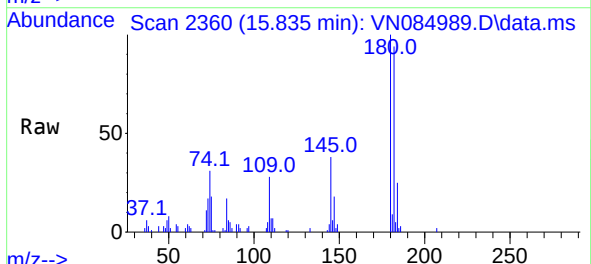


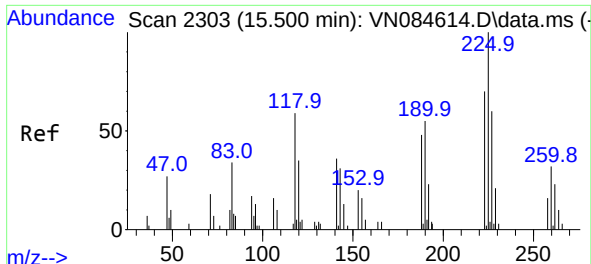
Tgt Ion: 75 Resp: 10761
Ion Ratio Lower Upper
75 100
155 72.3 61.8 92.6
157 95.0 74.7 112.1



#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

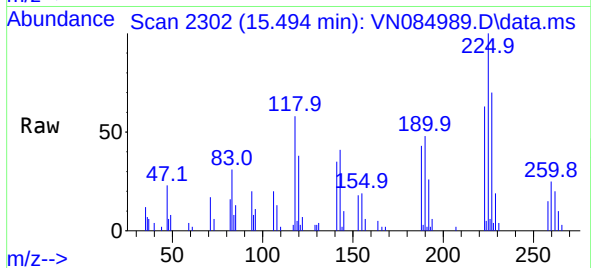
Tgt Ion: 180 Resp: 33474
Ion Ratio Lower Upper
180 100
182 92.6 73.0 109.6
145 34.4 26.5 39.7



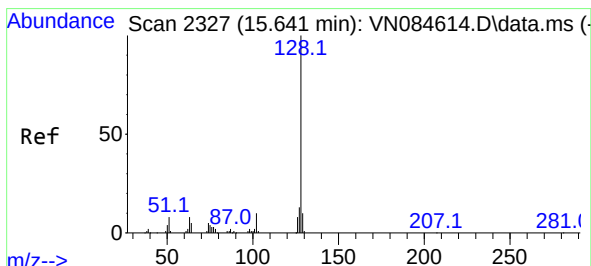
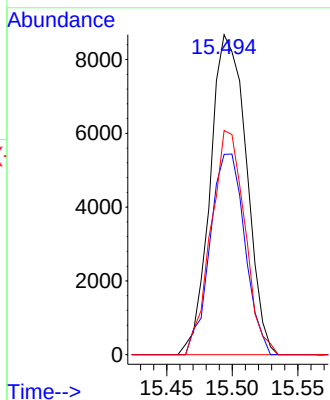
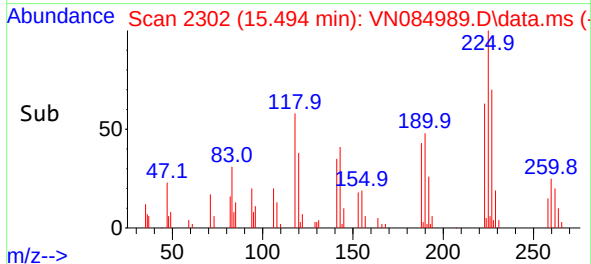


#90
Hexachlorobutadiene
Concen: 22.129 ug/l
RT: 15.494 min Scan# 21
Delta R.T. -0.006 min
Lab File: VN084989.D
Acq: 21 Nov 2024 11:20

Instrument :
MSVOA_N
ClientSampleId :

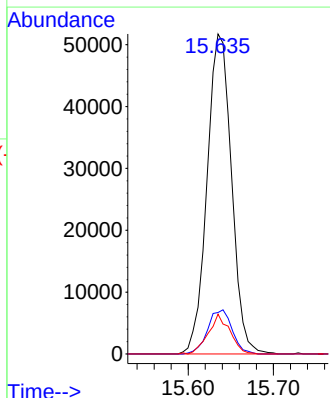
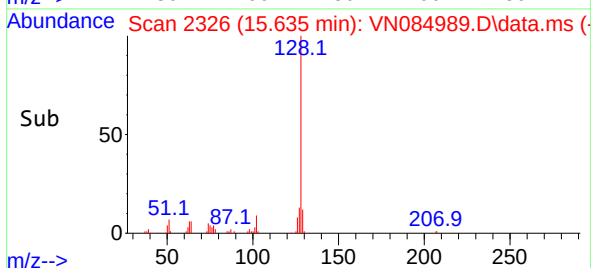
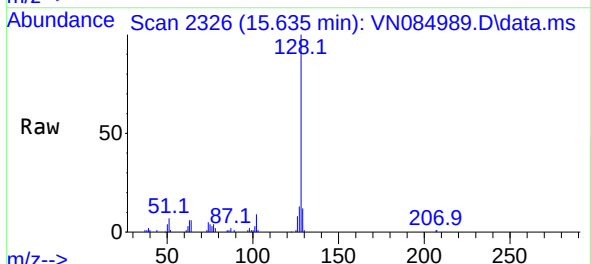


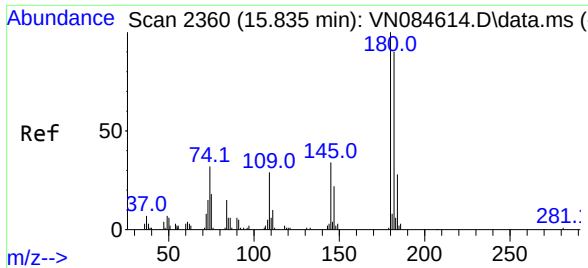
Tgt Ion:225 Resp: 16629
Ion Ratio Lower Upper
225 100
223 60.3 0.0 138.8
227 65.6 0.0 123.2



#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

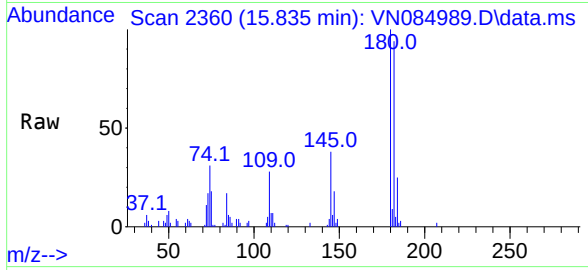
Tgt Ion:128 Resp: 103274
Ion Ratio Lower Upper
128 100
127 13.8 10.3 15.5
129 11.0 8.6 12.8





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

Instrument :
 MSVOA_N
 ClientSampleId :



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

