

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN011421\
 Data File : VN065512.D
 Acq On : 14 Jan 2021 16:21
 Operator : JC/MD
 Sample : M1137-02 10X
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Jan 15 04:14:56 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N011321W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Thu Jan 14 04:12:08 2021
 Response via : Initial Calibration

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

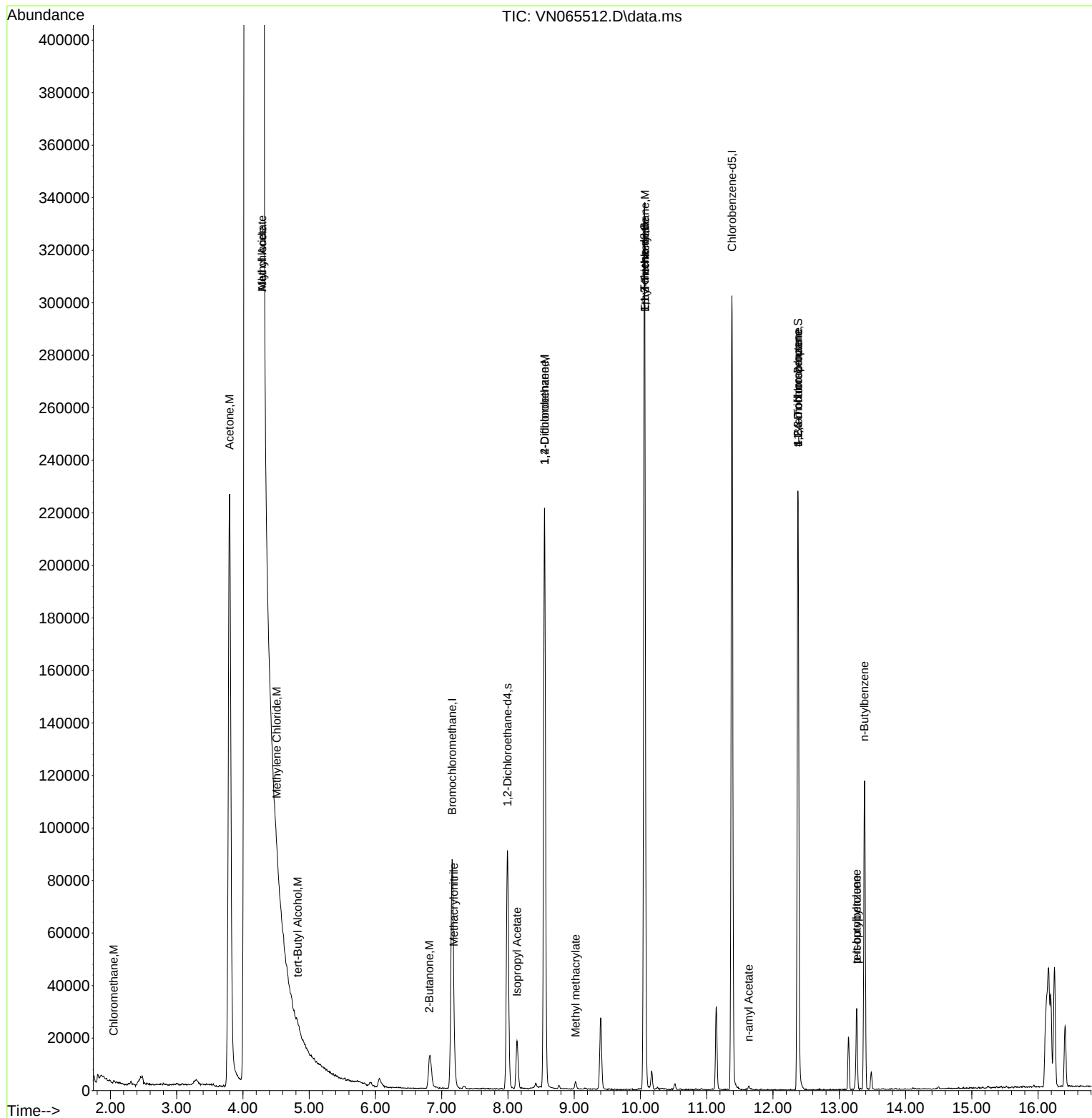
Internal Standards						
1) Bromochloromethane	7.158	128	39770	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	8.553	114	213177	30.00	ug/l	0.00
57) Chlorobenzene-d5	11.379	117	190450	30.00	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	7.994	65	78286	31.51	ug/l	0.00
Spiked Amount 30.000	Range 91 - 110		Recovery = 105.03%			
60) 4-Bromofluorobenzene	12.376	95	80494	27.91	ug/l	0.00
Spiked Amount 30.000	Range 63 - 112		Recovery = 93.03%			
63) Toluene-d8	10.061	98	247342	29.67	ug/l	0.00
Spiked Amount 30.000	Range 91 - 112		Recovery = 98.90%			
Target Compounds						
					Qvalue	
3) Chloromethane	2.049	50	644	0.26	ug/l	100
12) Methyl Acetate	4.290	43	37652242	17574.57	ug/l #	50
15) Acetone	3.798	58	148927	500.45	ug/l	94
17) Allyl chloride	4.290	41	19165942	6182.13	ug/l #	51
18) Methylene Chloride	4.508	84	691	0.29	ug/l #	70
23) tert-Butyl Alcohol	4.827	59	1869	6.23	ug/l #	100
30) 2-Butanone	6.814	43	14027	11.48	ug/l	100
35) Methacrylonitrile	7.183	41	381	0.30	ug/l #	22
36) 1,2-Dichloroethane	8.553	62	5836	1.90	ug/l #	74
44) Isopropyl Acetate	8.135	43	20388	4.68	ug/l	99
46) Methyl methacrylate	9.023	41	663	0.31	ug/l #	11
47) n-amyl Acetate	11.633	43	767	0.20	ug/l	99
50) 1,1,2-Trichloroethane	10.068	97	8968	3.78	ug/l #	1
51) Ethyl methacrylate	10.068	69	750	0.23	ug/l #	48
72) 1,2,3-Trichloropropane	12.376	75	37055	12.78	ug/l	1
77) t-1,4-Dichloro-2-butene	12.376	75	37055	36.35	ug/l #	14
79) tert-butylbenzene	13.264	119	18676	2.36	ug/l	62
82) p-Isopropyltoluene	13.264	119	18676	1.96	ug/l	100
85) n-Butylbenzene	13.379	91	2132	0.28	ug/l	69

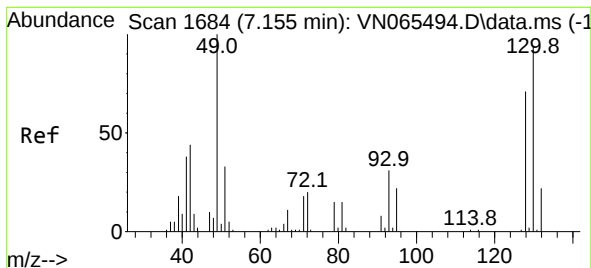
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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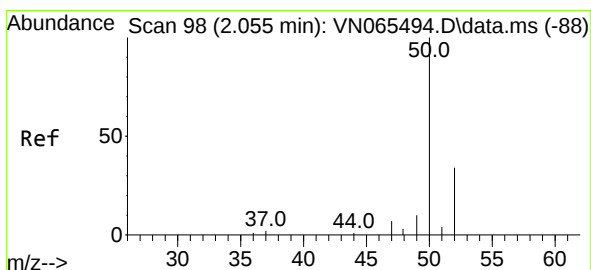
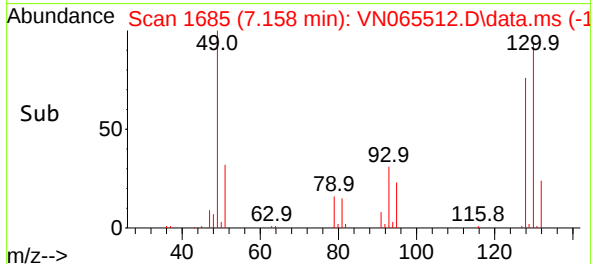
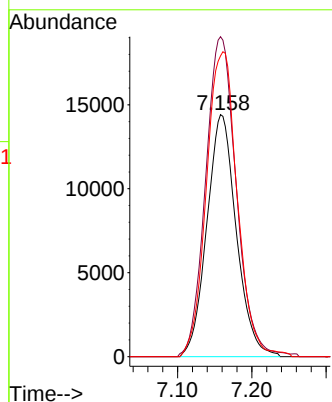
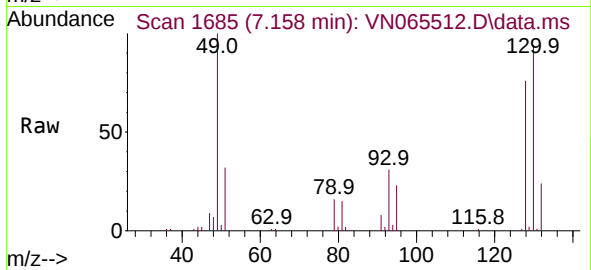




#1
Bromochloromethane
Concen: 30.00 ug/l
RT: 7.158 min Scan# 1685
Delta R.T. 0.003 min
Lab File: VN065512.D
Acq: 14 Jan 2021 16:21

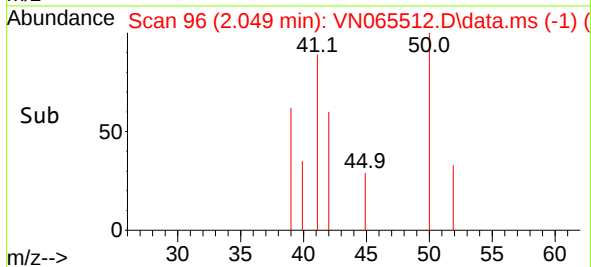
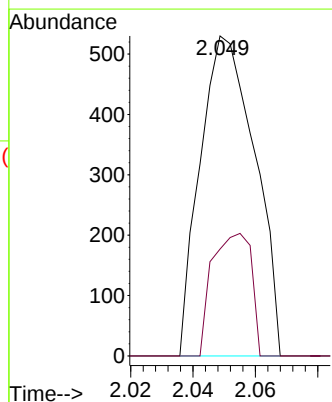
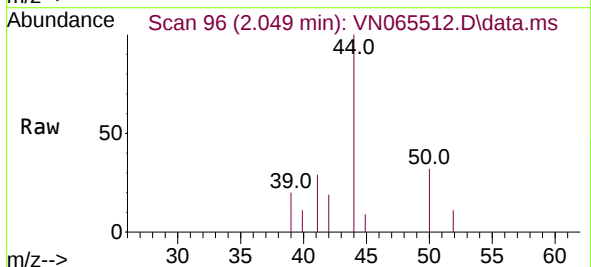
Instrument :
MSVOA_N
ClientSampleId :

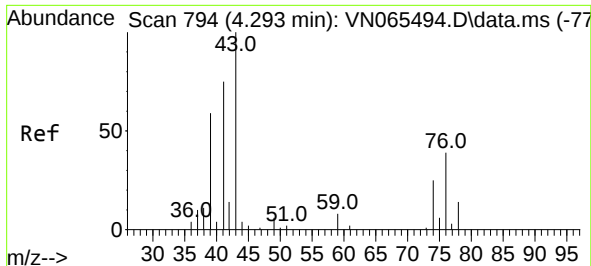
Tgt Ion:128 Resp: 39770
Ion Ratio Lower Upper
128 100
49 137.5 0.0 355.0
130 132.2 0.0 325.5



#3
Chloromethane
Concen: 0.26 ug/l
RT: 2.049 min Scan# 96
Delta R.T. -0.006 min
Lab File: VN065512.D
Acq: 14 Jan 2021 16:21

Tgt Ion: 50 Resp: 644
Ion Ratio Lower Upper
50 100
52 33.4 26.8 40.2

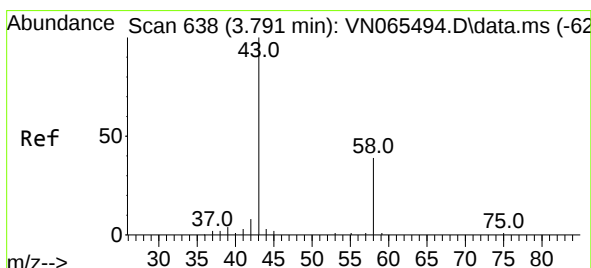
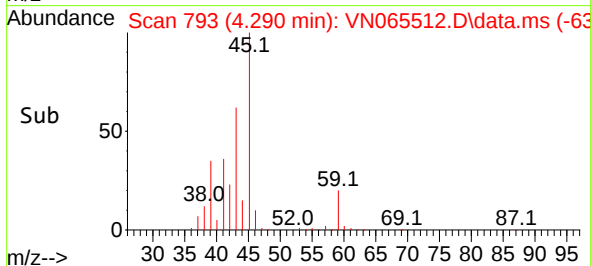
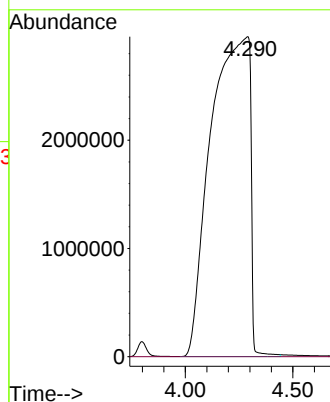
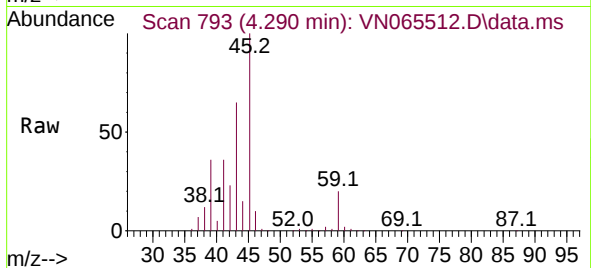




#12
Methyl Acetate
Concen: 17574.57 ug/l
RT: 4.290 min Scan# 793
Delta R.T. -0.003 min
Lab File: VN065512.D
Acq: 14 Jan 2021 16:21

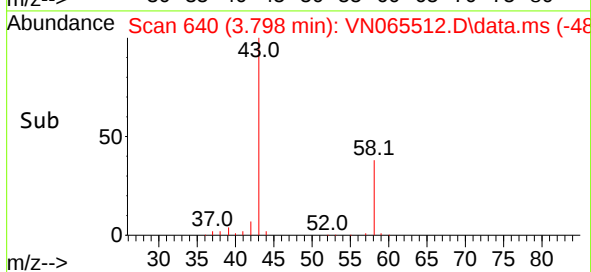
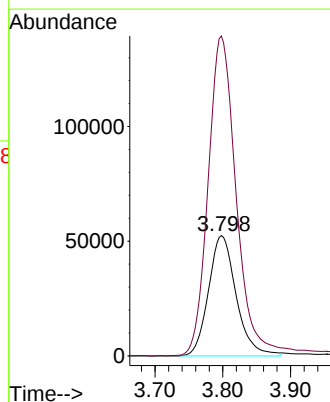
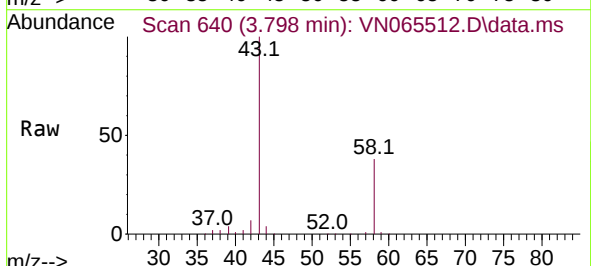
Instrument :
MSVOA_N
ClientSampleId :

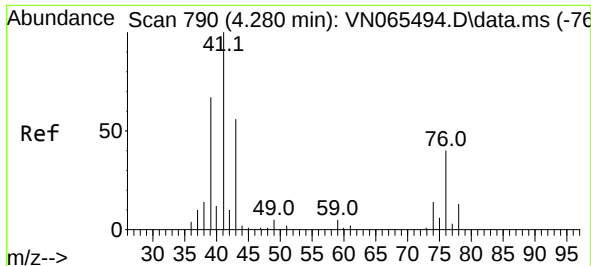
Tgt Ion: 43 Resp: 37652242
Ion Ratio Lower Upper
43 100
74 0.0 19.9 29.9#



#15
Acetone
Concen: 500.45 ug/l
RT: 3.798 min Scan# 640
Delta R.T. 0.006 min
Lab File: VN065512.D
Acq: 14 Jan 2021 16:21

Tgt Ion: 58 Resp: 148927
Ion Ratio Lower Upper
58 100
43 265.4 203.4 305.0





#17

Allyl chloride

Concen: 6182.13 ug/l

RT: 4.290 min Scan# 793

Delta R.T. 0.010 min

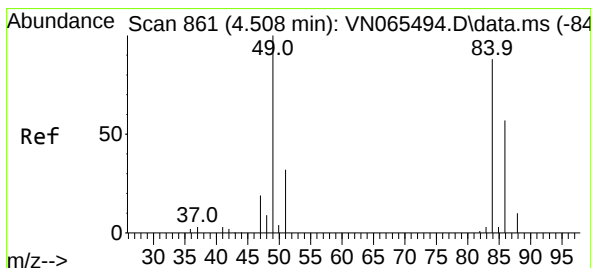
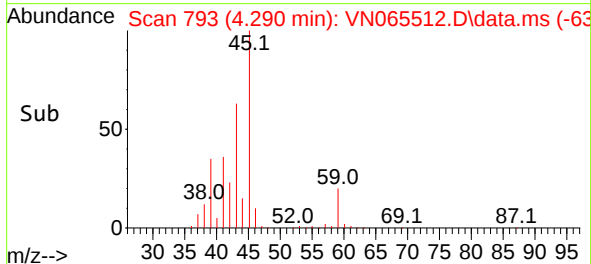
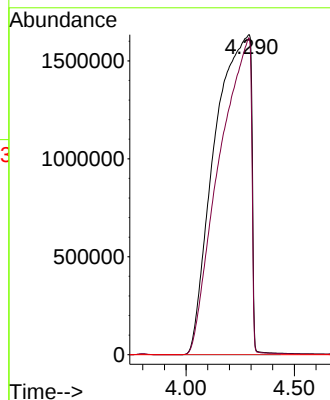
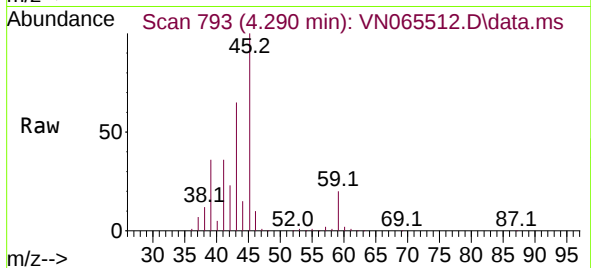
Lab File: VN065512.D

Acq: 14 Jan 2021 16:21

Tgt Ion: 41 Resp:19165942

Ion	Ratio	Lower	Upper
41	100		
39	99.0	33.5	100.5
76	0.0	20.3	60.8#

Instrument :
MSVOA_N
ClientSampleId :



#18

Methylene Chloride

Concen: 0.29 ug/l

RT: 4.508 min Scan# 861

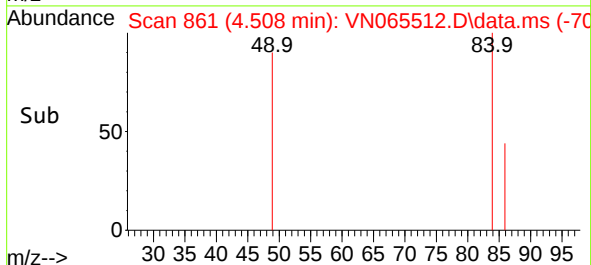
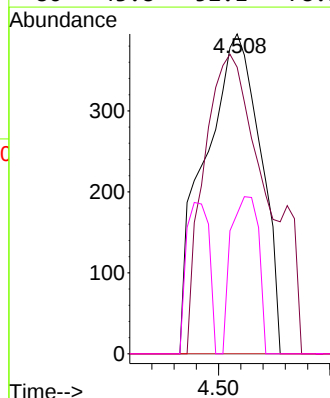
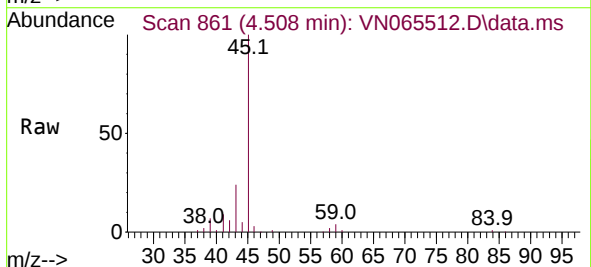
Delta R.T. 0.000 min

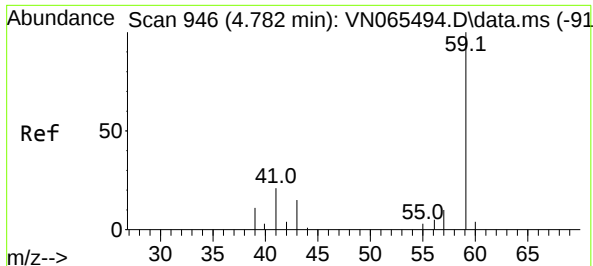
Lab File: VN065512.D

Acq: 14 Jan 2021 16:21

Tgt Ion: 84 Resp: 691

Ion	Ratio	Lower	Upper
84	100		
49	89.6	91.3	136.9#
51	0.0	28.8	43.2#
86	43.8	52.1	78.1#





#23

tert-Butyl Alcohol

Concen: 6.23 ug/l

RT: 4.827 min Scan# 960

Delta R.T. 0.045 min

Lab File: VN065512.D

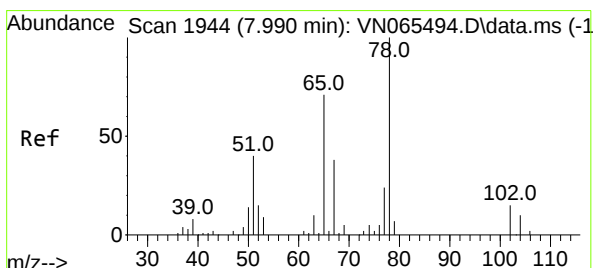
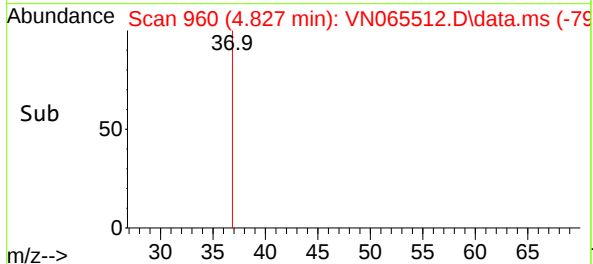
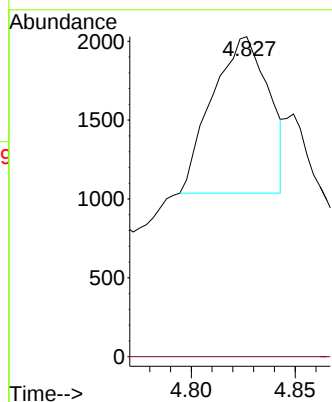
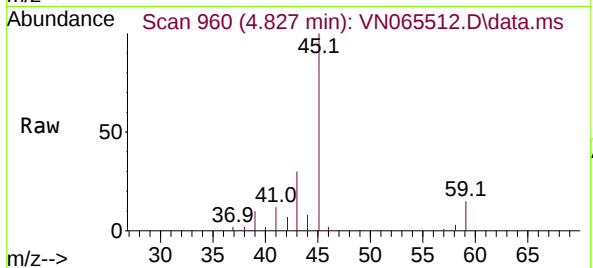
Acq: 14 Jan 2021 16:21

Tgt Ion: 59 Resp: 1869

Ion Ratio Lower Upper

59 100

52 0.0 0.0 0.0



#27

1,2-Dichloroethane-d4

Concen: 31.51 ug/l

RT: 7.994 min Scan# 1945

Delta R.T. 0.003 min

Lab File: VN065512.D

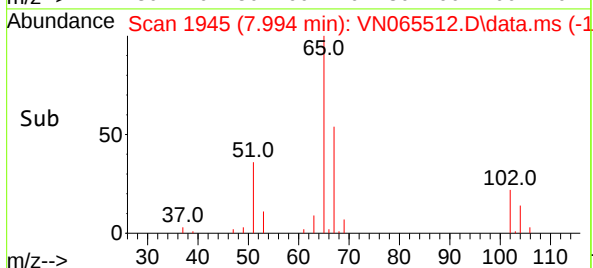
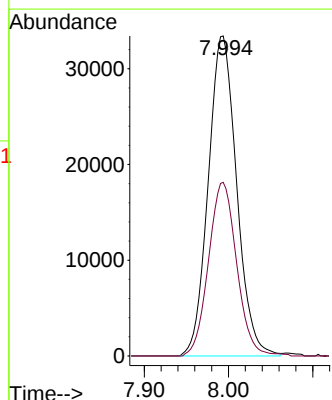
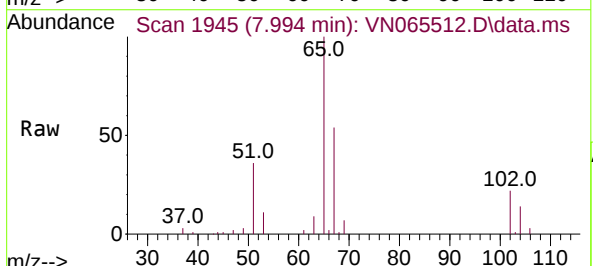
Acq: 14 Jan 2021 16:21

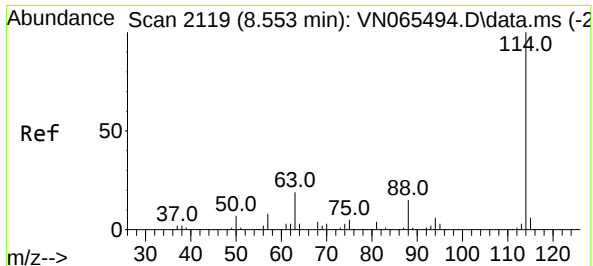
Tgt Ion: 65 Resp: 78286

Ion Ratio Lower Upper

65 100

67 53.8 42.8 64.2

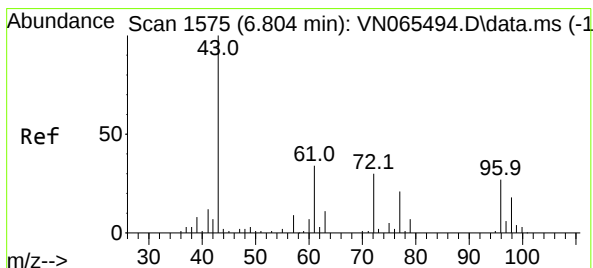
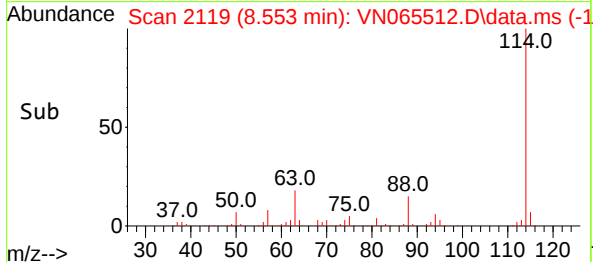
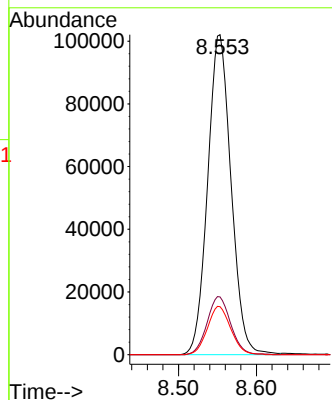
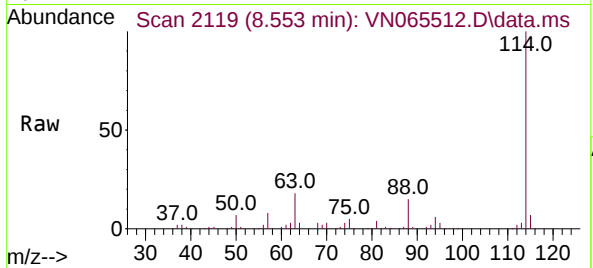




#28
 1,4-Difluorobenzene
 Concen: 30.00 ug/l
 RT: 8.553 min Scan# 2119
 Delta R.T. 0.000 min
 Lab File: VN065512.D
 Acq: 14 Jan 2021 16:21

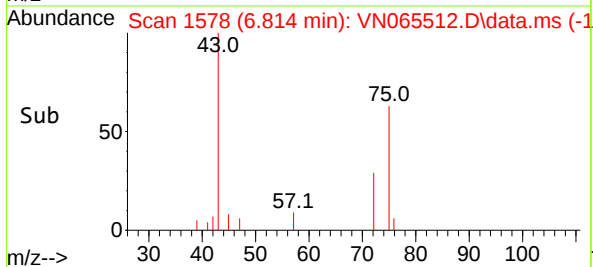
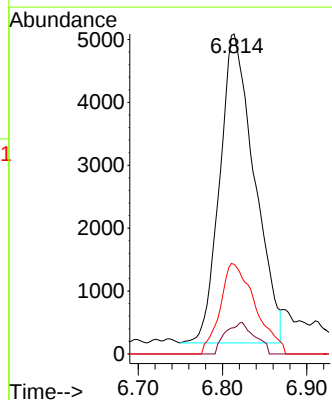
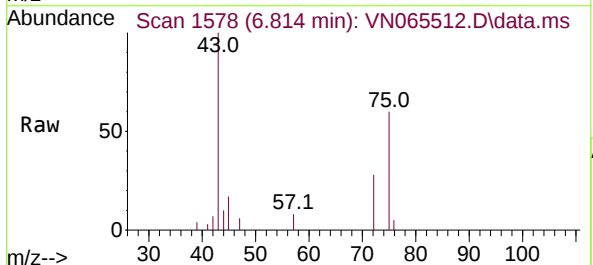
Instrument :
 MSVOA_N
 ClientSampled :

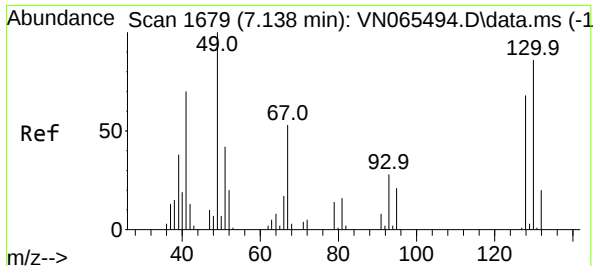
Tgt Ion:114 Resp: 213177
 Ion Ratio Lower Upper
 114 100
 63 18.3 14.7 22.1
 88 15.1 11.7 17.5



#30
 2-Butanone
 Concen: 11.48 ug/l
 RT: 6.814 min Scan# 1578
 Delta R.T. 0.010 min
 Lab File: VN065512.D
 Acq: 14 Jan 2021 16:21

Tgt Ion: 43 Resp: 14027
 Ion Ratio Lower Upper
 43 100
 57 8.6 7.0 10.4
 72 29.7 23.6 35.4

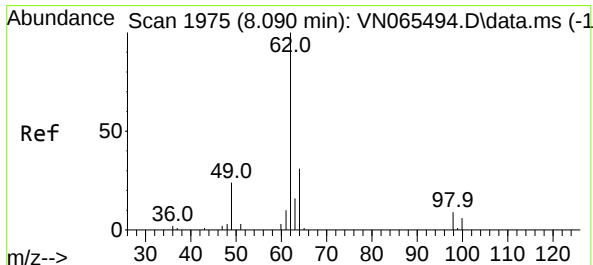
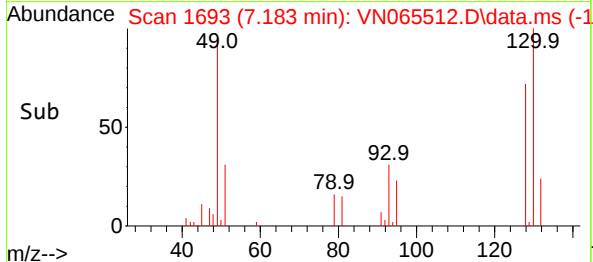
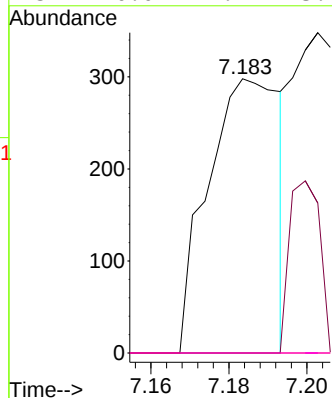
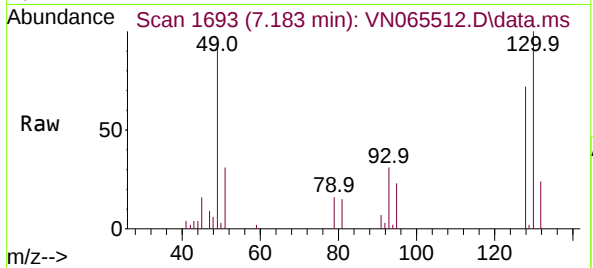




#35
Methacrylonitrile
Concen: 0.30 ug/l
RT: 7.183 min Scan# 1693
Delta R.T. 0.045 min
Lab File: VN065512.D
Acq: 14 Jan 2021 16:21

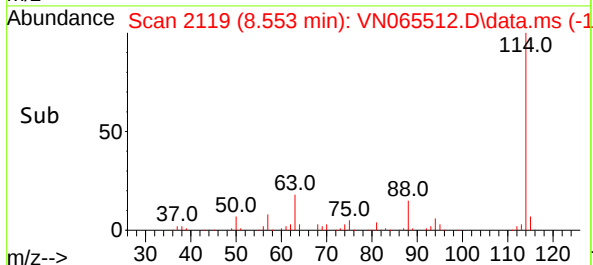
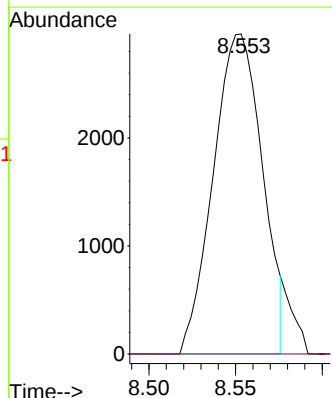
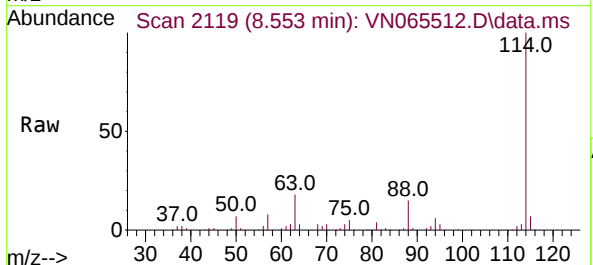
Instrument :
MSVOA_N
ClientSampled :

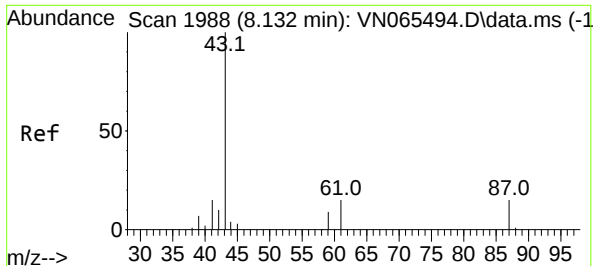
Tgt Ion:	41	Resp:	381
Ion	Ratio	Lower	Upper
41	100		
39	0.0	26.8	80.3#
67	0.0	38.0	113.9#
52	0.0	14.4	43.4#



#36
1,2-Dichloroethane
Concen: 1.90 ug/l
RT: 8.553 min Scan# 2119
Delta R.T. 0.463 min
Lab File: VN065512.D
Acq: 14 Jan 2021 16:21

Tgt Ion:	62	Resp:	5836
Ion	Ratio	Lower	Upper
62	100		
98	0.0	7.4	11.2#



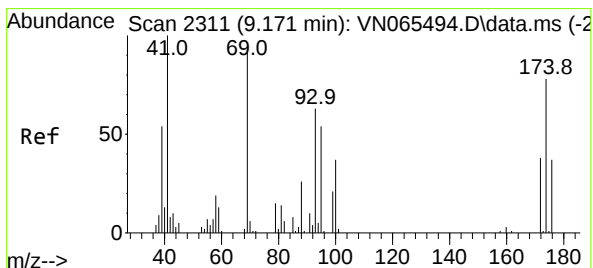
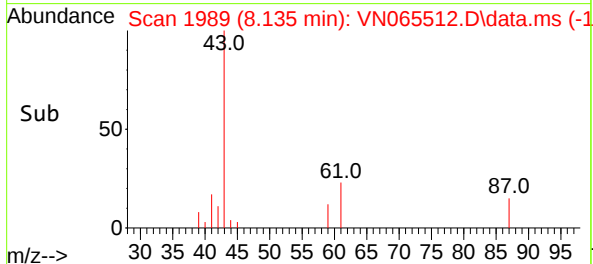
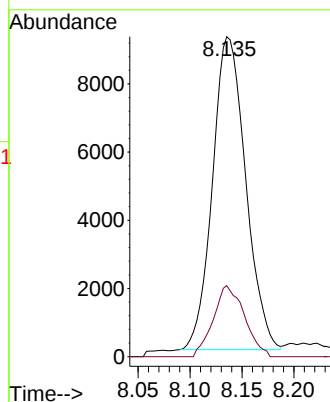
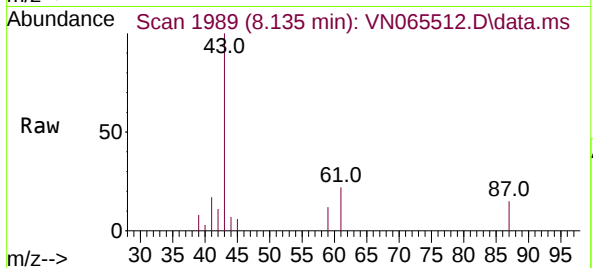


#44

Isopropyl Acetate
Concen: 4.68 ug/l
RT: 8.135 min Scan# 1989
Delta R.T. 0.003 min
Lab File: VN065512.D
Acq: 14 Jan 2021 16:21

Instrument :
MSVOA_N
ClientSampled :

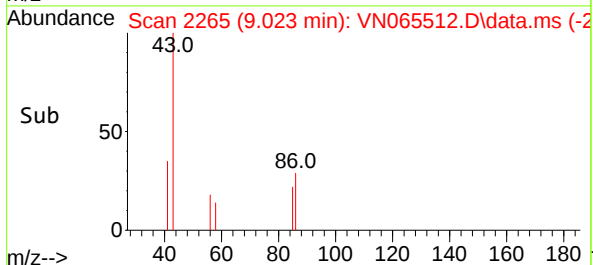
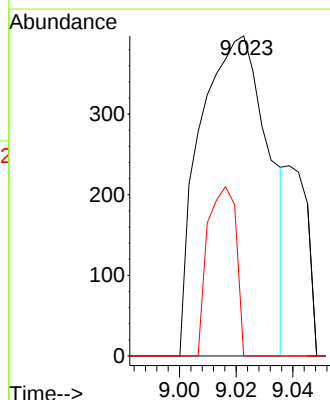
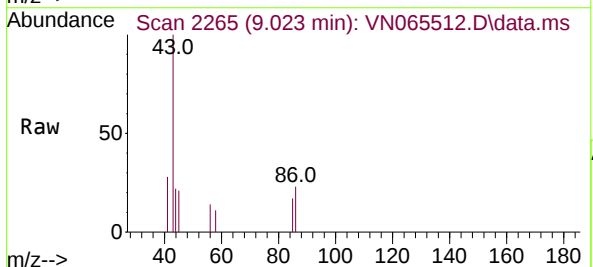
Tgt Ion: 43 Resp: 20388
Ion Ratio Lower Upper
43 100
61 21.3 16.8 25.2

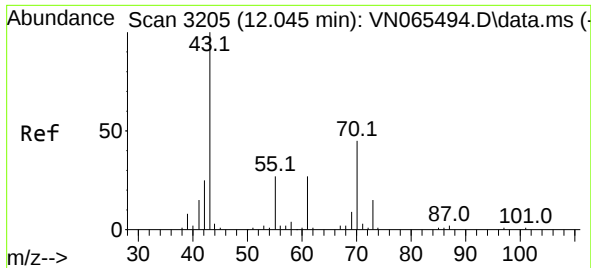


#46

Methyl methacrylate
Concen: 0.31 ug/l
RT: 9.023 min Scan# 2265
Delta R.T. -0.148 min
Lab File: VN065512.D
Acq: 14 Jan 2021 16:21

Tgt Ion: 41 Resp: 663
Ion Ratio Lower Upper
41 100
69 0.0 46.3 138.8#
39 0.0 26.8 80.3#

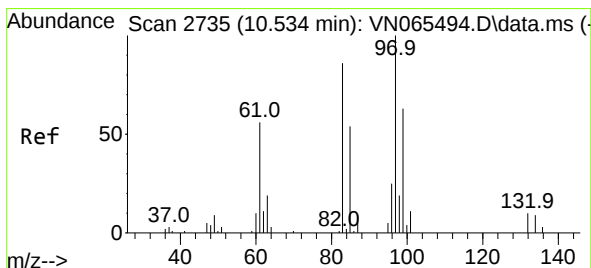
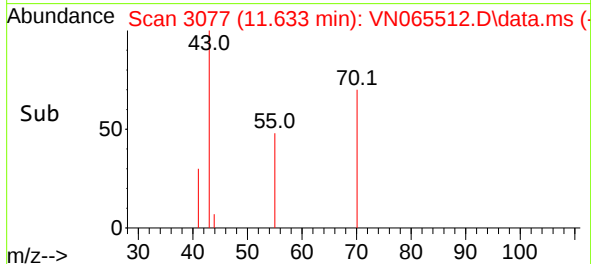
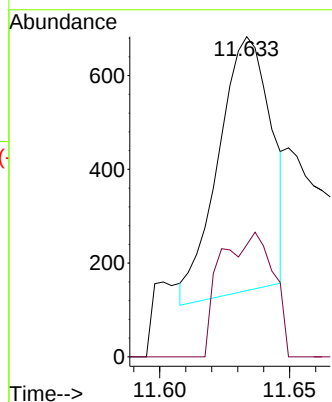
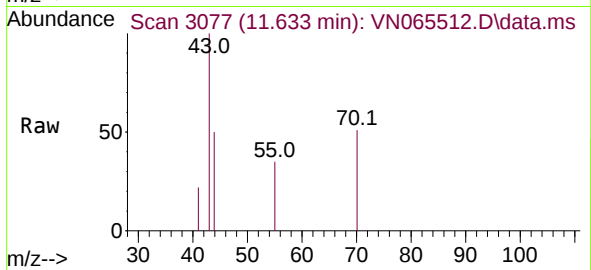




#47
n-amy1 Acetate
Concen: 0.20 ug/l
RT: 11.633 min Scan# 3077
Delta R.T. -0.412 min
Lab File: VN065512.D
Acq: 14 Jan 2021 16:21

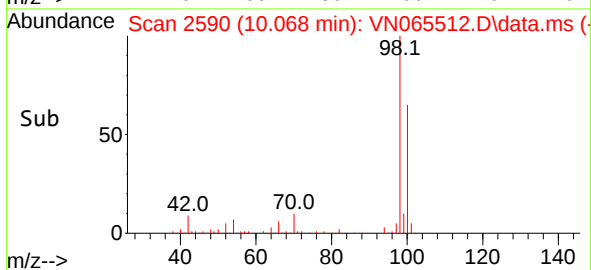
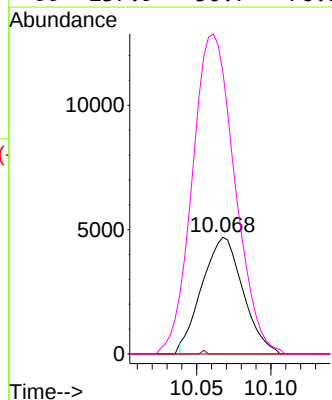
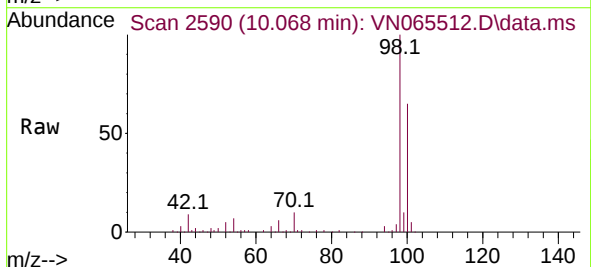
Instrument :
MSVOA_N
ClientSampled :

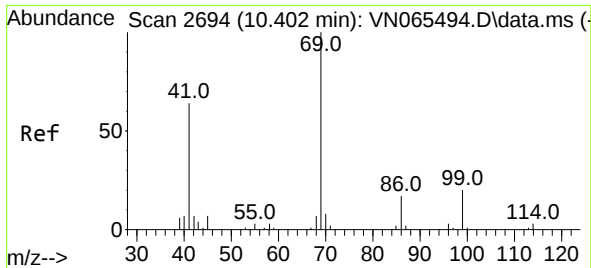
Tgt Ion: 43 Resp: 767
Ion Ratio Lower Upper
43 100
55 27.2 21.3 31.9



#50
1,1,2-Trichloroethane
Concen: 3.78 ug/l
RT: 10.068 min Scan# 2590
Delta R.T. -0.466 min
Lab File: VN065512.D
Acq: 14 Jan 2021 16:21

Tgt Ion: 97 Resp: 8968
Ion Ratio Lower Upper
97 100
83 0.0 68.4 102.6#
85 0.0 42.8 64.2#
99 237.9 50.7 76.1#

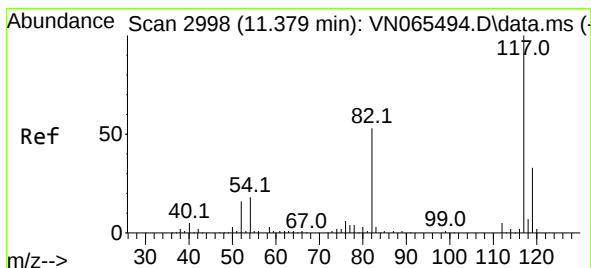
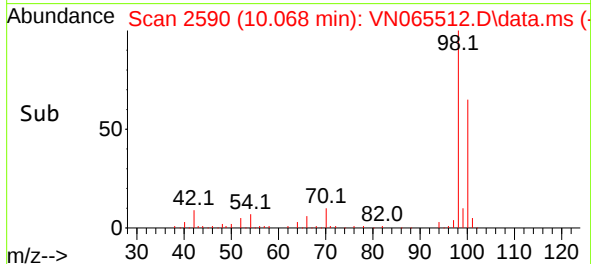
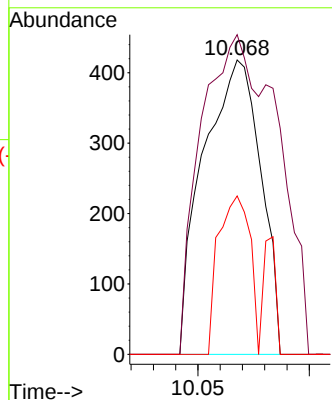
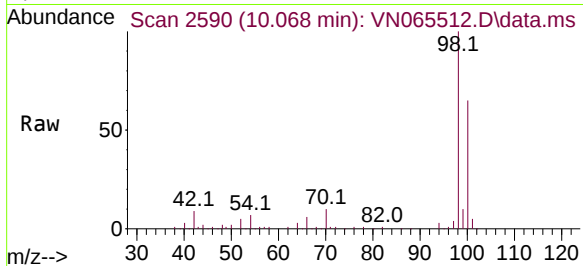




#51
Ethyl methacrylate
Concen: 0.23 ug/l
RT: 10.068 min Scan# 2590
Delta R.T. -0.334 min
Lab File: VN065512.D
Acq: 14 Jan 2021 16:21

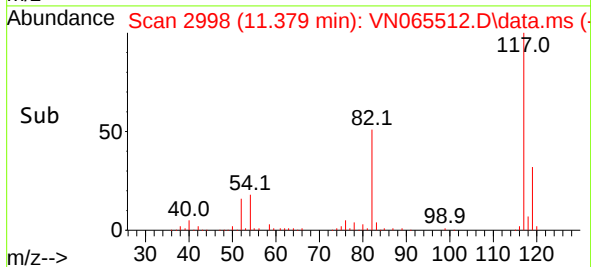
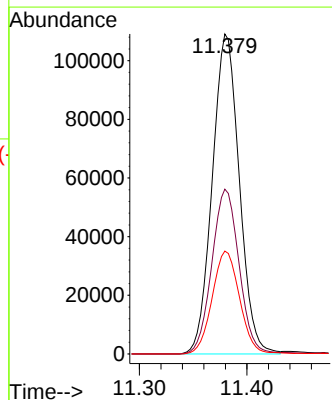
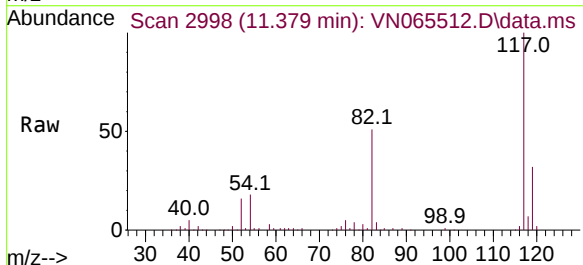
Instrument :
MSVOA_N
ClientSampleId :

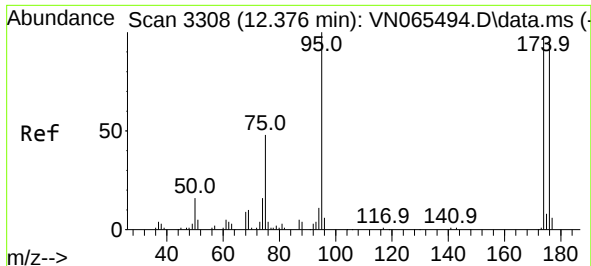
Tgt Ion: 69 Resp: 750
Ion Ratio Lower Upper
69 100
41 108.6 31.9 95.7#
39 53.8 15.6 46.7#



#57
Chlorobenzene-d5
Concen: 30.00 ug/l
RT: 11.379 min Scan# 2998
Delta R.T. 0.000 min
Lab File: VN065512.D
Acq: 14 Jan 2021 16:21

Tgt Ion: 117 Resp: 190450
Ion Ratio Lower Upper
117 100
82 51.9 41.3 61.9
119 32.6 25.7 38.5

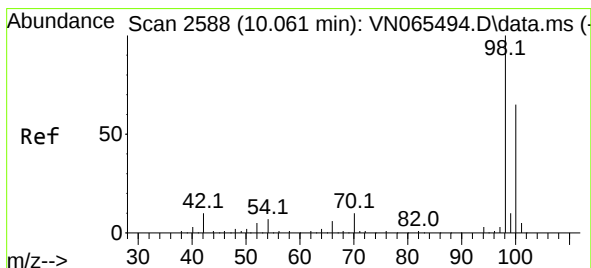
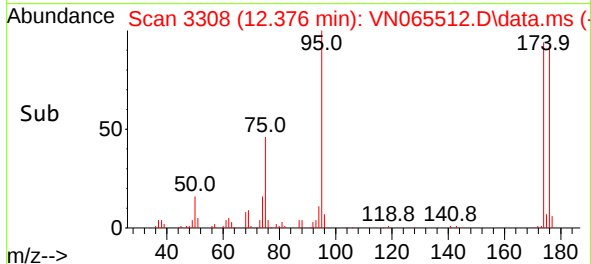
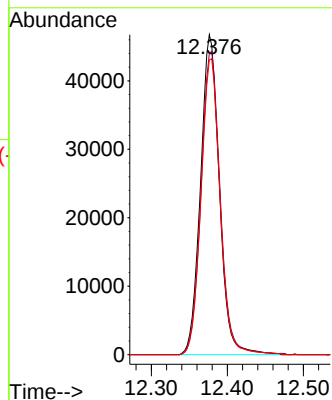
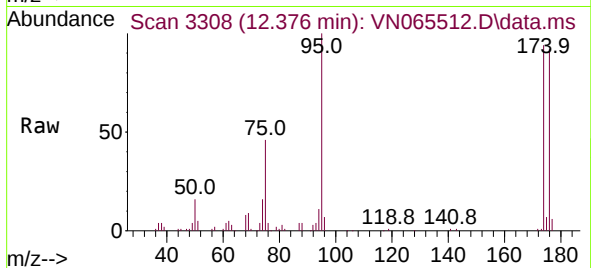




#60
4-Bromofluorobenzene
Concen: 27.91 ug/l
RT: 12.376 min Scan# 3308
Delta R.T. 0.000 min
Lab File: VN065512.D
Acq: 14 Jan 2021 16:21

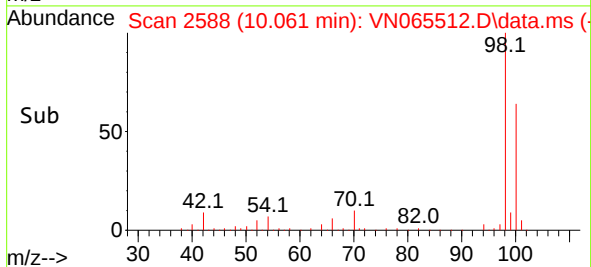
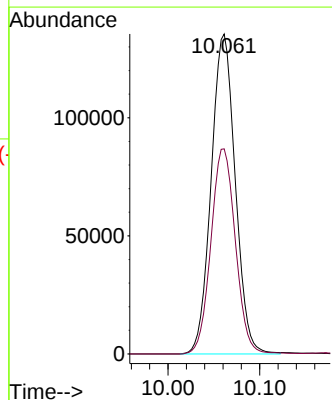
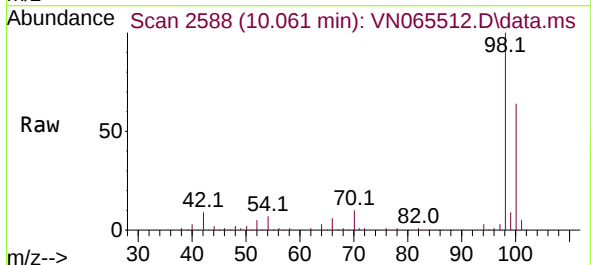
Instrument :
MSVOA_N
ClientSampled :

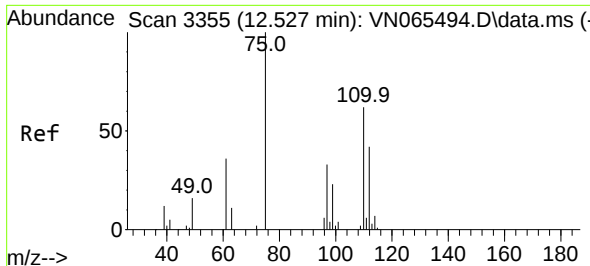
Tgt Ion: 95 Resp: 80494
Ion Ratio Lower Upper
95 100
174 96.7 77.0 115.6
176 93.4 75.8 113.6



#63
Toluene-d8
Concen: 29.67 ug/l
RT: 10.061 min Scan# 2588
Delta R.T. 0.000 min
Lab File: VN065512.D
Acq: 14 Jan 2021 16:21

Tgt Ion: 98 Resp: 247342
Ion Ratio Lower Upper
98 100
100 65.3 51.9 77.9

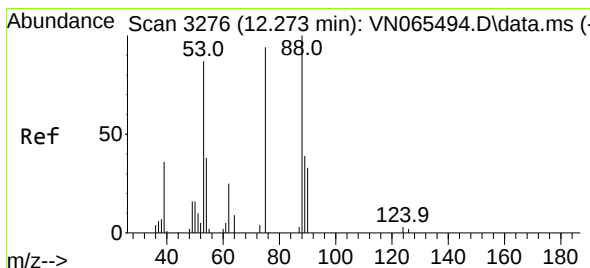
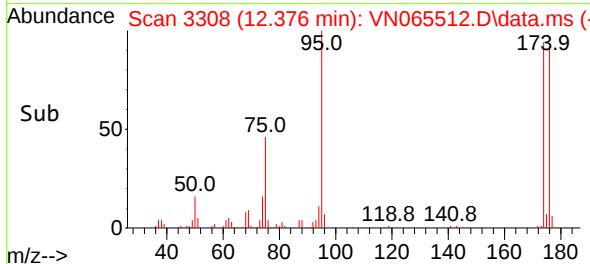
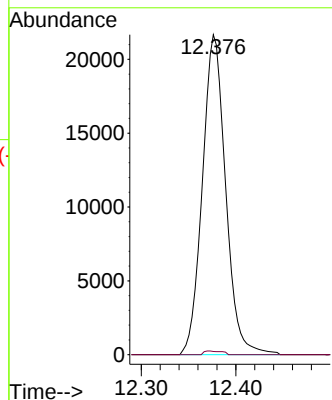
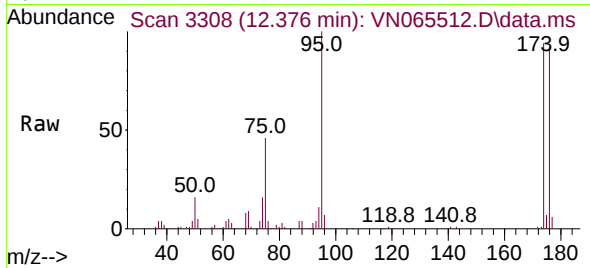




#72
1,2,3-Trichloropropane
Concen: 12.78 ug/l
RT: 12.376 min Scan# 3308
Delta R.T. -0.151 min
Lab File: VN065512.D
Acq: 14 Jan 2021 16:21

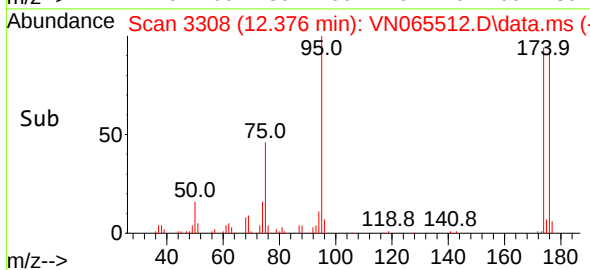
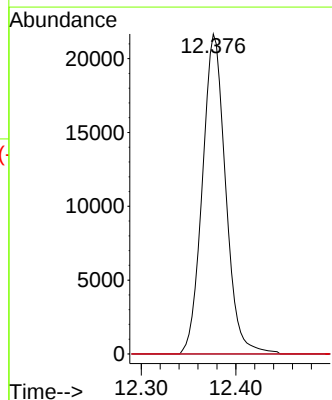
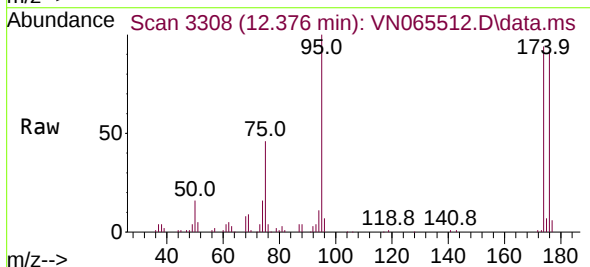
Instrument :
MSVOA_N
ClientSampled :

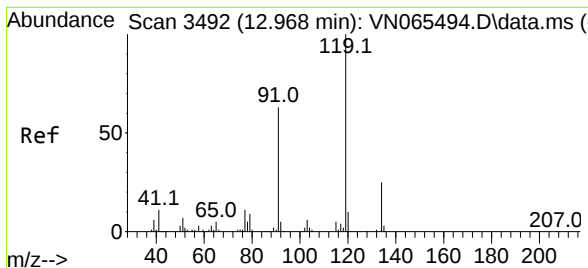
Tgt Ion: 75 Resp: 37055
Ion Ratio Lower Upper
75 100
77 0.6 0.0 366.4



#77
t-1,4-Dichloro-2-butene
Concen: 36.35 ug/l
RT: 12.376 min Scan# 3308
Delta R.T. 0.103 min
Lab File: VN065512.D
Acq: 14 Jan 2021 16:21

Tgt Ion: 75 Resp: 37055
Ion Ratio Lower Upper
75 100
53 0.0 44.9 134.5#
89 0.0 21.3 64.0#

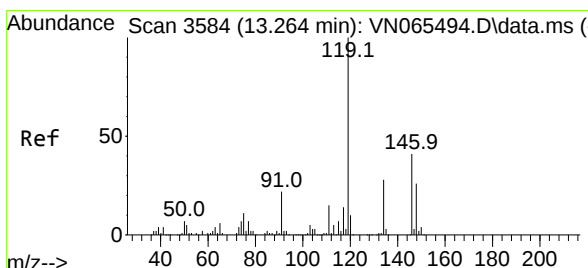
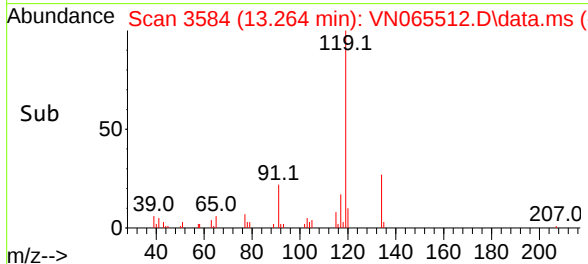
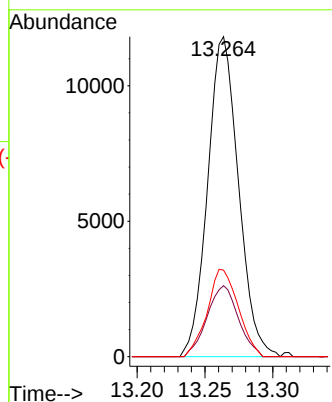
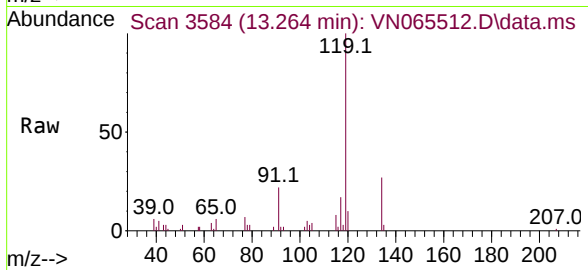




#79
tert-butylbenzene
Concen: 2.36 ug/l
RT: 13.264 min Scan# 3584
Delta R.T. 0.296 min
Lab File: VN065512.D
Acq: 14 Jan 2021 16:21

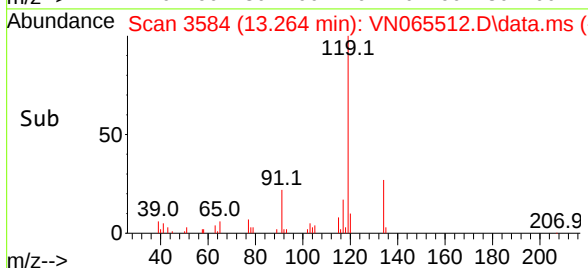
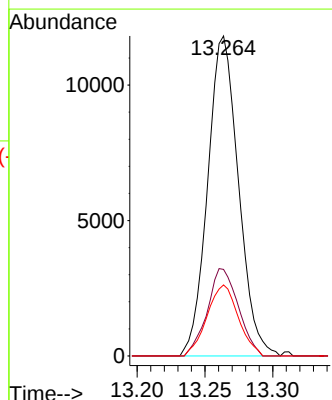
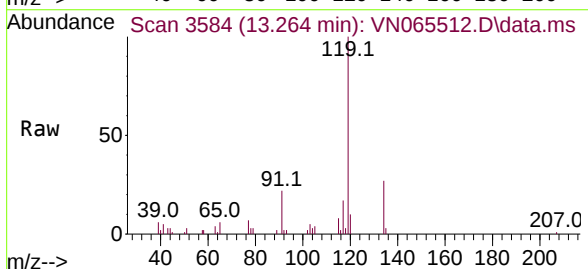
Instrument :
MSVOA_N
ClientSampleId :

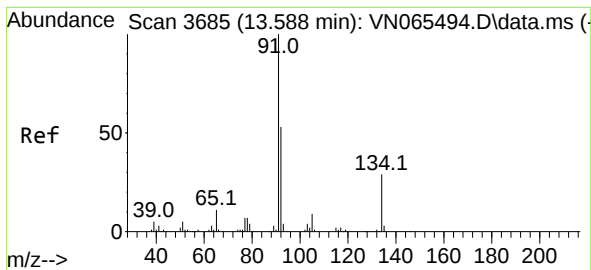
Tgt Ion:119 Resp: 18676
Ion Ratio Lower Upper
119 100
91 22.5 0.0 126.0
134 27.4 0.0 51.2



#82
p-Isopropyltoluene
Concen: 1.96 ug/l
RT: 13.264 min Scan# 3584
Delta R.T. 0.000 min
Lab File: VN065512.D
Acq: 14 Jan 2021 16:21

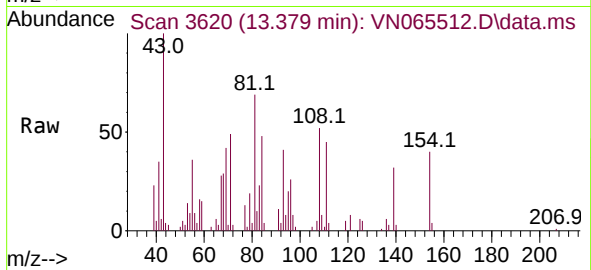
Tgt Ion:119 Resp: 18676
Ion Ratio Lower Upper
119 100
134 27.4 0.0 54.8
91 22.5 0.0 44.8





#85
 n-Butylbenzene
 Concen: 0.28 ug/l
 RT: 13.379 min Scan# 3620
 Delta R.T. -0.209 min
 Lab File: VN065512.D
 Acq: 14 Jan 2021 16:21

Instrument :
 MSVOA_N
 ClientSampleId :



Tgt Ion: 91	Resp:	2132
Ion Ratio	Lower	Upper
91	100	
92	34.0	0.0 104.8
134	6.8	0.0 55.8

