

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN011921\
 Data File : VN065556.D
 Acq On : 19 Jan 2021 15:21
 Operator : JC/MD
 Sample : M1169-02RE
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 TP-C

Quant Time: Jan 20 00:29:11 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N011821W.M
 Quant Title : SW846 8260
 QLast Update : Mon Jan 18 18:11:15 2021
 Response via : Initial Calibration

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

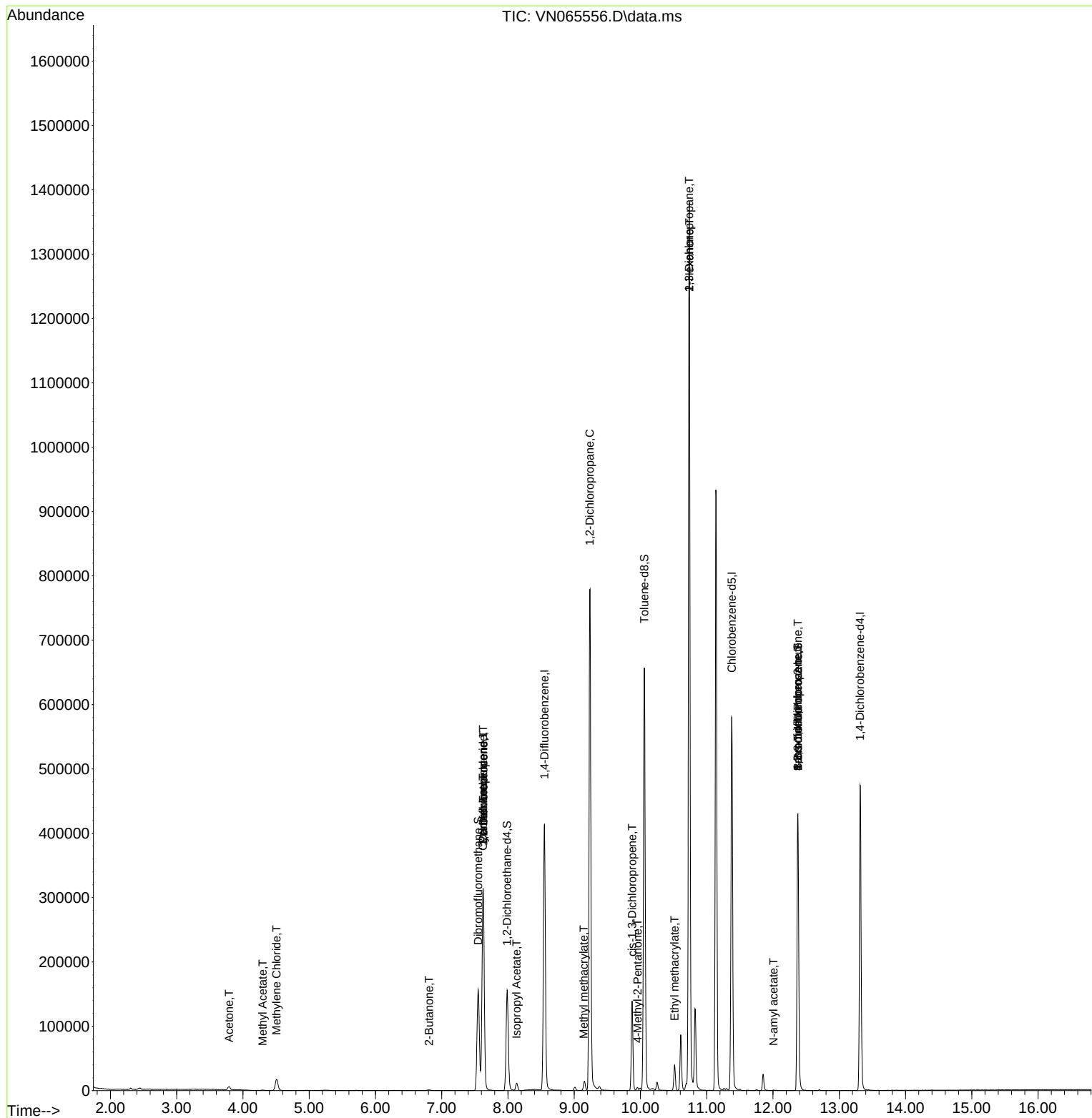
Internal Standards						
1) Pentafluorobenzene	7.624	168	297806	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.550	114	415349	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.376	117	379342	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.315	152	153919	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	7.988	65	134659	48.95	ug/l	0.00
Spiked Amount 50.000	Range 61 - 141		Recovery =	97.90%		
35) Dibromofluoromethane	7.550	113	121946	49.17	ug/l	0.00
Spiked Amount 50.000	Range 69 - 133		Recovery =	98.34%		
50) Toluene-d8	10.058	98	492471	52.91	ug/l	0.00
Spiked Amount 50.000	Range 65 - 126		Recovery =	105.82%		
62) 4-Bromofluorobenzene	12.373	95	155767	44.59	ug/l	0.00
Spiked Amount 50.000	Range 58 - 135		Recovery =	89.18%		
Target Compounds						
					Qvalue	
16) Acetone	3.788	43	8779	8.18	ug/l #	87
18) Methyl Acetate	4.296	43	909	0.33	ug/l #	50
20) Methylene Chloride	4.505	84	14541	4.85	ug/l	94
25) 2-Butanone	6.808	43	541	0.40	ug/l #	49
31) Cyclohexane	7.621	56	4145	1.00	ug/l #	1
36) 1,1-Dichloropropene	7.627	75	17084	4.97	ug/l #	49
38) Carbon Tetrachloride	7.624	117	24745	7.24	ug/l #	16
43) Isopropyl Acetate	8.129	43	13826	2.92	ug/l	99
45) 1,2-Dichloropropane	9.235	63	1012	0.37	ug/l #	43
48) Methyl methacrylate	9.145	41	3342	1.42	ug/l #	12
51) 4-Methyl-2-Pentanone	9.955	43	3204	1.12	ug/l	94
54) cis-1,3-Dichloropropene	9.875	75	27207	6.29	ug/l #	59
56) Ethyl methacrylate	10.515	69	103	2.15	ug/l #	1
57) 1,3-Dichloropropane	10.733	76	15345	3.44	ug/l #	42
59) 2-Hexanone	10.737	43	190693	92.64	ug/l #	50
71) Bromoform	12.373	173	999	3.18	ug/l #	1
74) N-amyl acetate	12.010	43	912	0.28	ug/l #	42
76) 1,2,3-Trichloropropane	12.373	75	71810	25.76	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.373	75	71810	74.88	ug/l #	15

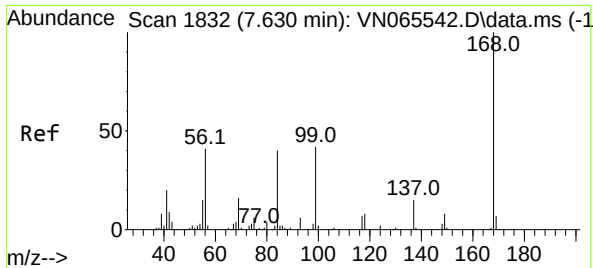
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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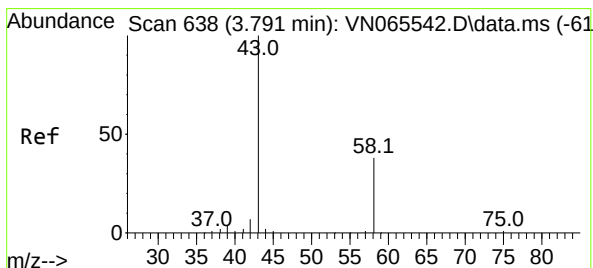
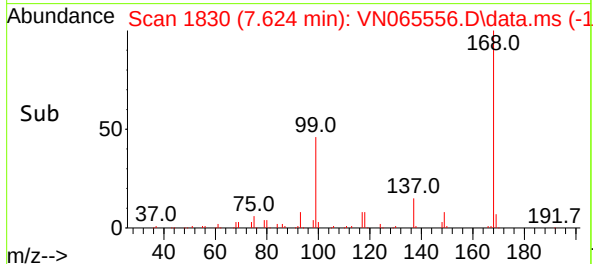
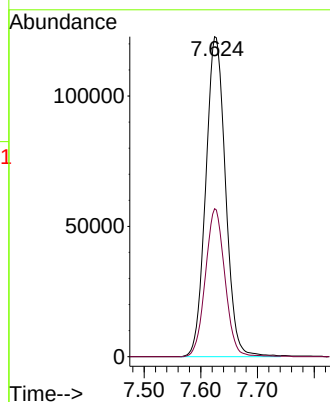
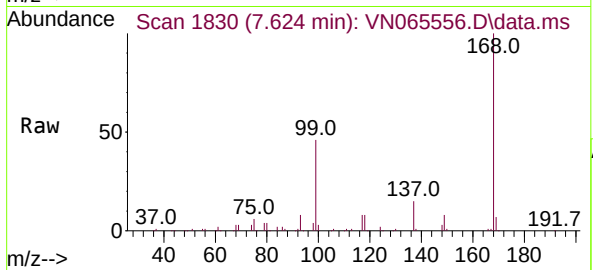




#1
Pentafluorobenzene
Concen: 50.00 ug/l
RT: 7.624 min Scan# 1830
Delta R.T. -0.006 min
Lab File: VN065556.D
Acq: 19 Jan 2021 15:21

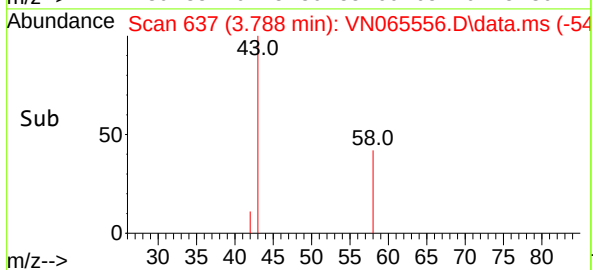
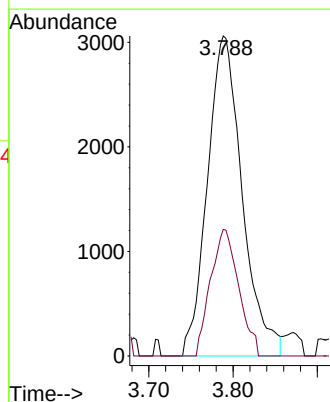
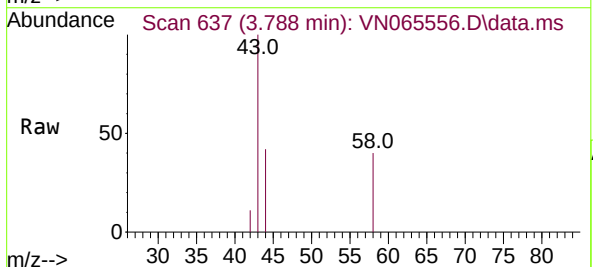
Instrument :
MSVOA_N
ClientSampled :
TP-C

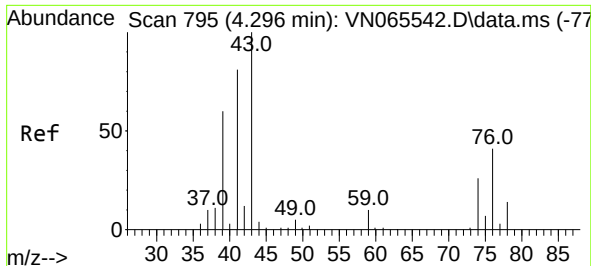
Tgt Ion:168 Resp: 297806
Ion Ratio Lower Upper
168 100
99 46.2 43.0 64.4



#16
Acetone
Concen: 8.18 ug/l
RT: 3.788 min Scan# 637
Delta R.T. -0.003 min
Lab File: VN065556.D
Acq: 19 Jan 2021 15:21

Tgt Ion: 43 Resp: 8779
Ion Ratio Lower Upper
43 100
58 39.5 25.7 38.5#





#18

Methyl Acetate

Concen: 0.33 ug/l

RT: 4.296 min Scan# 795

Delta R.T. 0.000 min

Lab File: VN065556.D

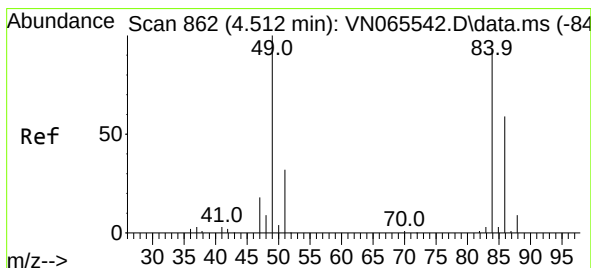
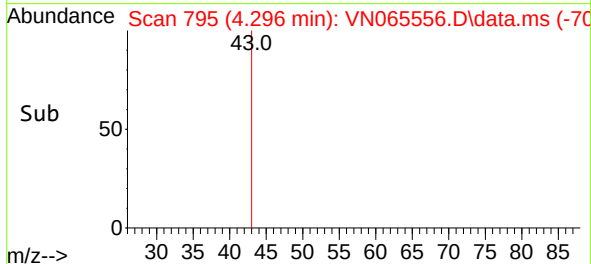
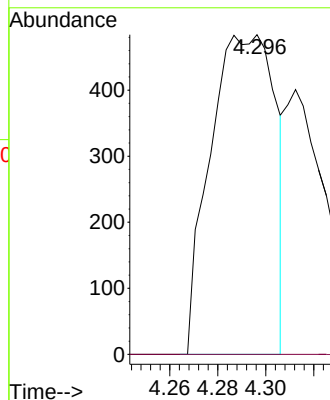
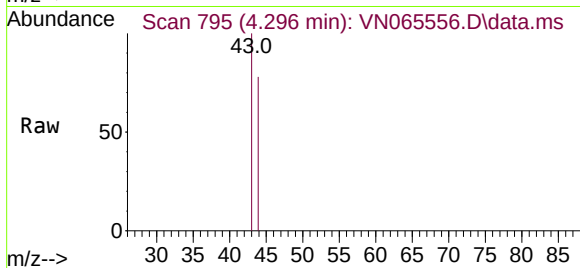
Acq: 19 Jan 2021 15:21

Tgt Ion: 43 Resp: 909

Ion Ratio Lower Upper

43 100

74 0.0 20.2 30.2#



#20

Methylene Chloride

Concen: 4.85 ug/l

RT: 4.505 min Scan# 860

Delta R.T. -0.007 min

Lab File: VN065556.D

Acq: 19 Jan 2021 15:21

Tgt Ion: 84 Resp: 14541

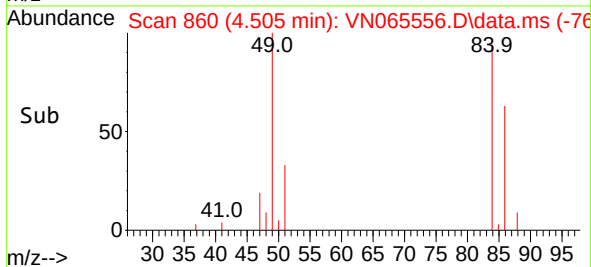
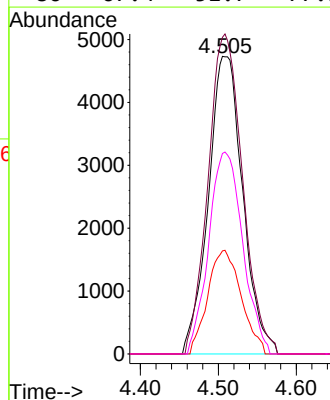
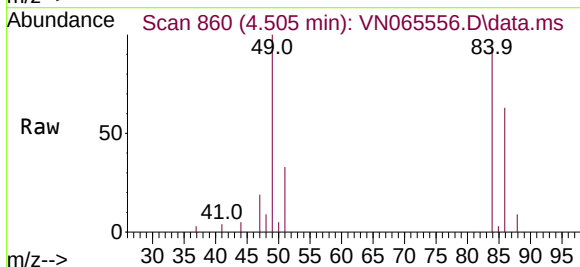
Ion Ratio Lower Upper

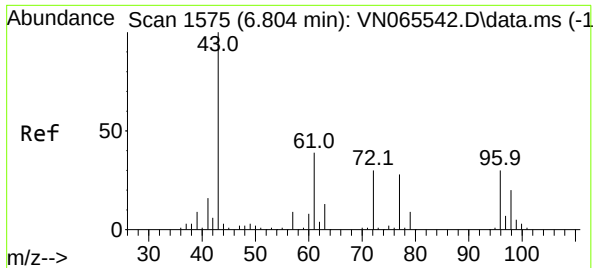
84 100

49 106.4 93.4 140.0

51 34.6 28.2 42.4

86 67.4 51.7 77.5

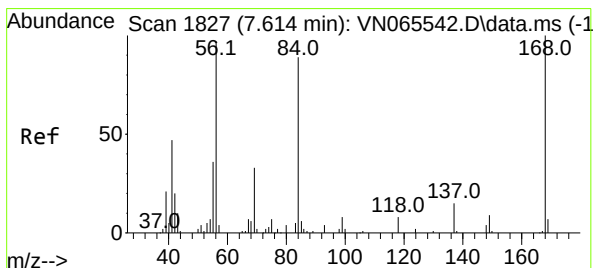
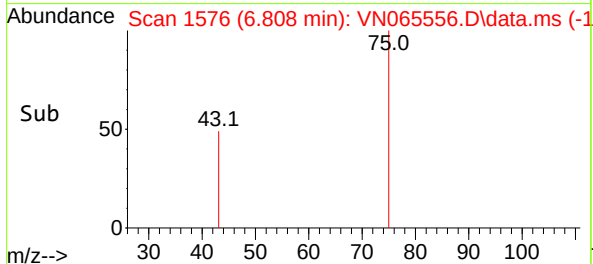
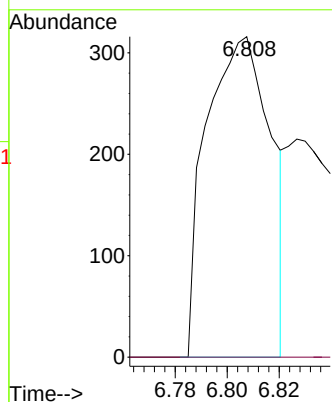
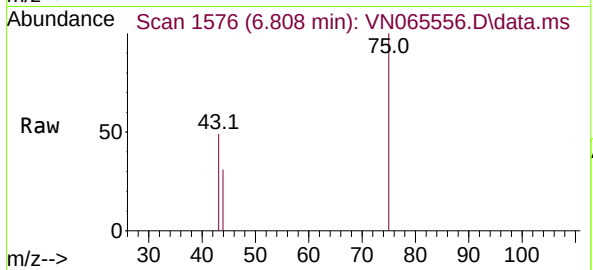




#25
2-Butanone
Concen: 0.40 ug/l
RT: 6.808 min Scan# 1576
Delta R.T. 0.003 min
Lab File: VN065556.D
Acq: 19 Jan 2021 15:21

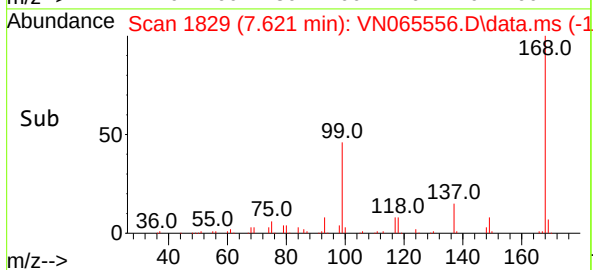
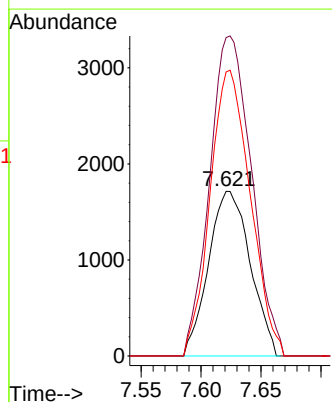
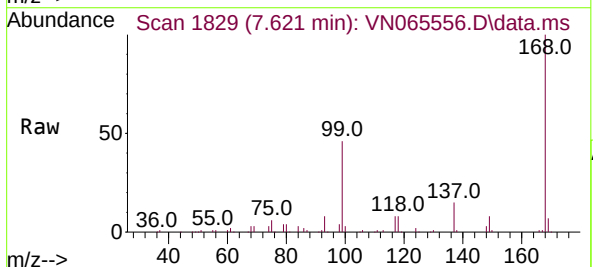
Instrument :
MSVOA_N
ClientSampled :
TP-C

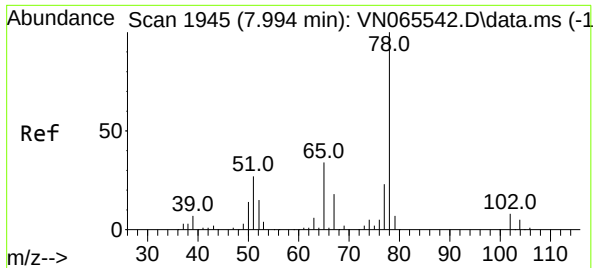
Tgt Ion: 43 Resp: 541
Ion Ratio Lower Upper
43 100
72 0.0 21.0 31.6#



#31
Cyclohexane
Concen: 1.00 ug/l
RT: 7.621 min Scan# 1829
Delta R.T. 0.007 min
Lab File: VN065556.D
Acq: 19 Jan 2021 15:21

Tgt Ion: 56 Resp: 4145
Ion Ratio Lower Upper
56 100
69 193.3 27.5 41.3#
84 172.5 73.9 110.9#



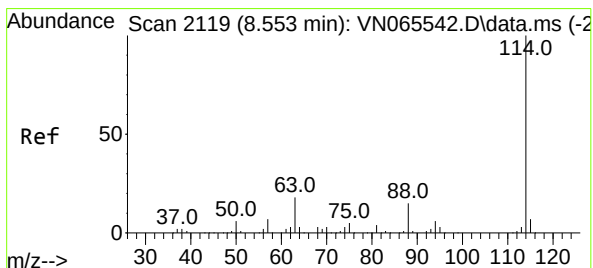
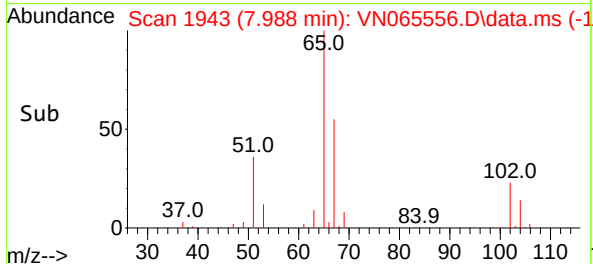
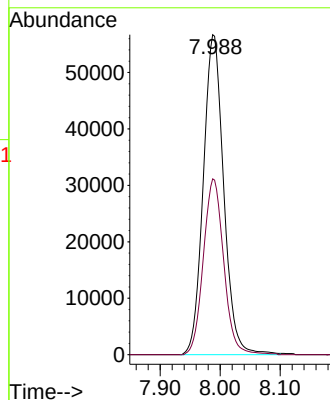
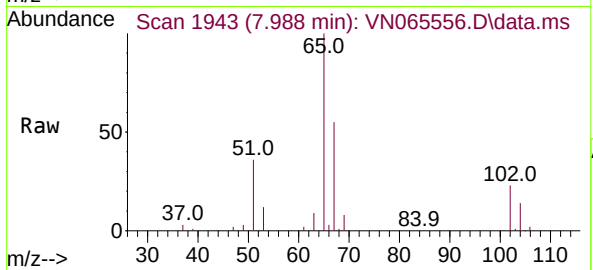


#33

1,2-Dichloroethane-d4
Concen: 48.95 ug/l
RT: 7.988 min Scan# 1943
Delta R.T. -0.006 min
Lab File: VN065556.D
Acq: 19 Jan 2021 15:21

Instrument :
MSVOA_N
ClientSampled :
TP-C

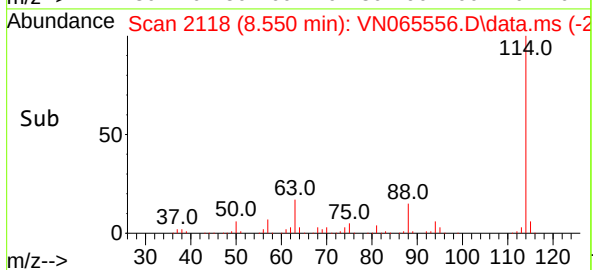
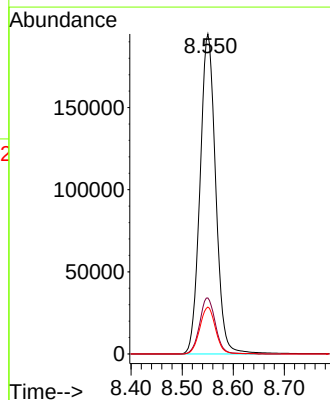
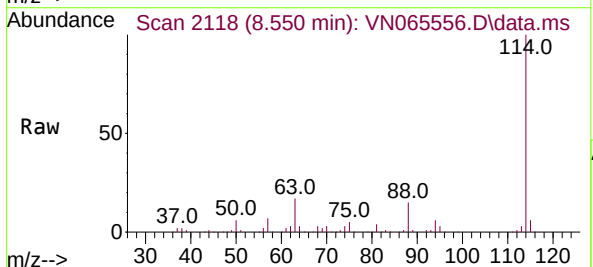
Tgt Ion: 65 Resp: 134659
Ion Ratio Lower Upper
65 100
67 54.8 0.0 108.2

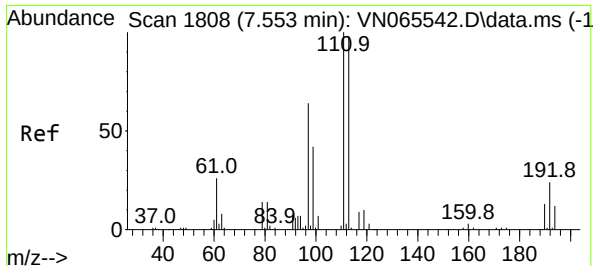


#34

1,4-Difluorobenzene
Concen: 50.00 ug/l
RT: 8.550 min Scan# 2118
Delta R.T. -0.003 min
Lab File: VN065556.D
Acq: 19 Jan 2021 15:21

Tgt Ion: 114 Resp: 415349
Ion Ratio Lower Upper
114 100
63 17.5 0.0 38.6
88 14.6 0.0 32.6





#35

Dibromofluoromethane

Concen: 49.17 ug/l

RT: 7.550 min Scan# 1807

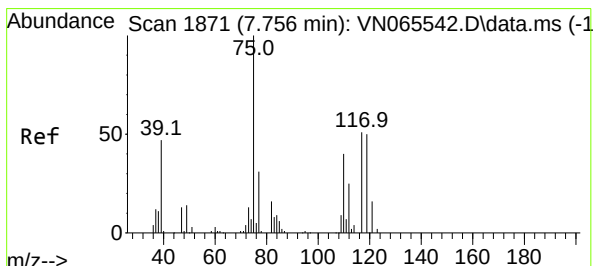
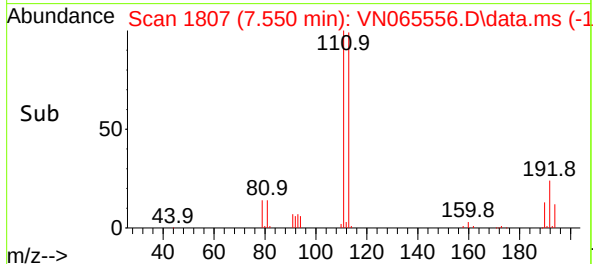
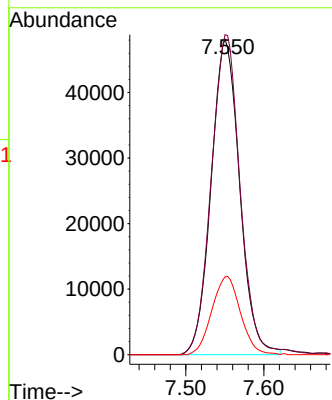
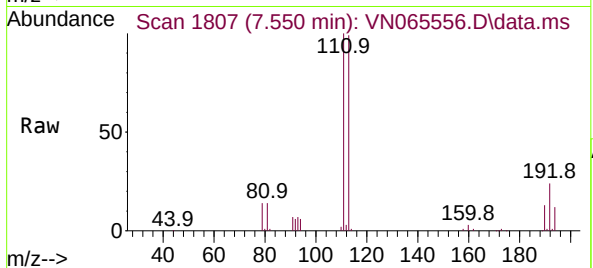
Delta R.T. -0.003 min

Lab File: VN065556.D

Acq: 19 Jan 2021 15:21

Tgt Ion:	113	Resp:	121946
Ion	Ratio	Lower	Upper
113	100		
111	103.2	81.6	122.4
192	25.0	16.2	24.2#

Instrument :
MSVOA_N
ClientSampleId :
TP-C



#36

1,1-Dichloropropene

Concen: 4.97 ug/l

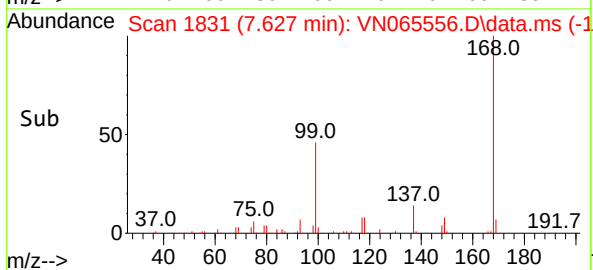
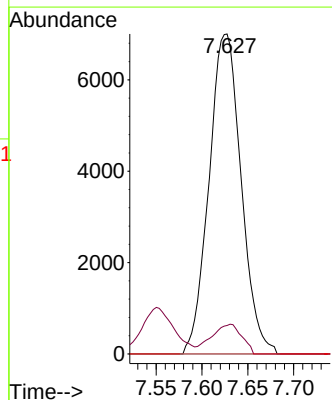
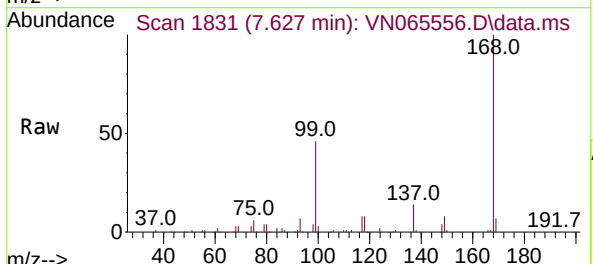
RT: 7.627 min Scan# 1831

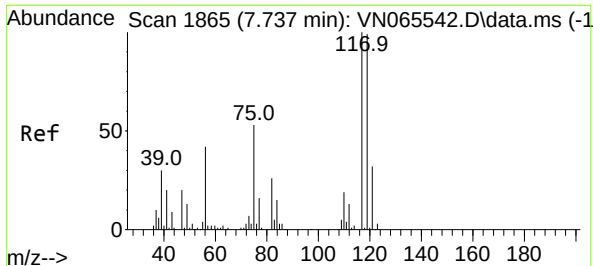
Delta R.T. -0.129 min

Lab File: VN065556.D

Acq: 19 Jan 2021 15:21

Tgt Ion:	75	Resp:	17084
Ion	Ratio	Lower	Upper
75	100		
110	8.9	17.8	53.3#
77	0.0	25.0	37.4#

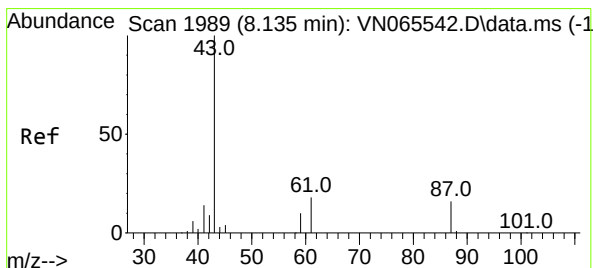
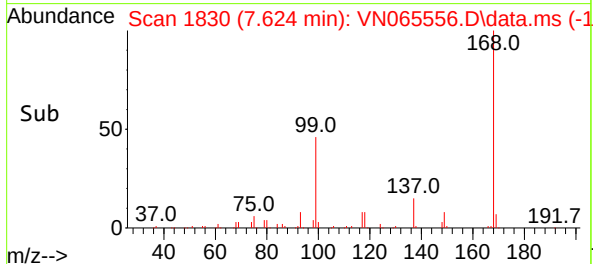
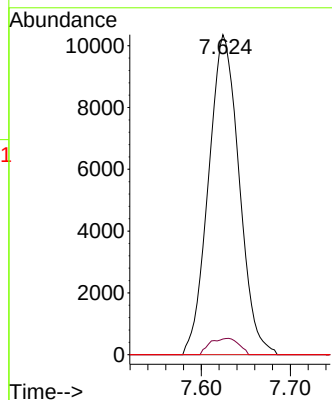
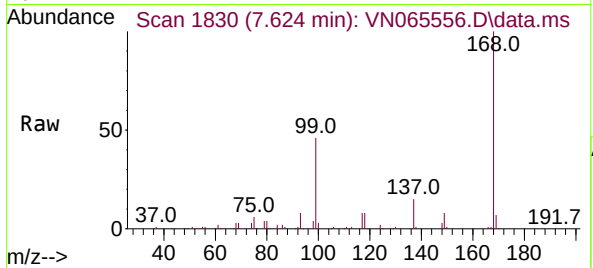




#38
Carbon Tetrachloride
Concen: 7.24 ug/l
RT: 7.624 min Scan# 1830
Delta R.T. -0.113 min
Lab File: VN065556.D
Acq: 19 Jan 2021 15:21

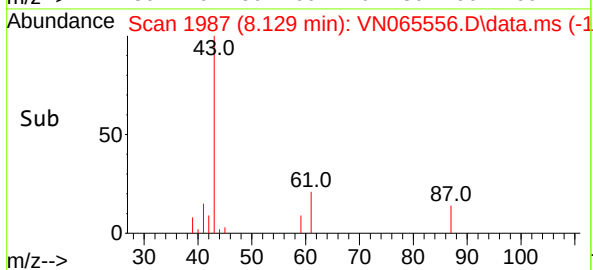
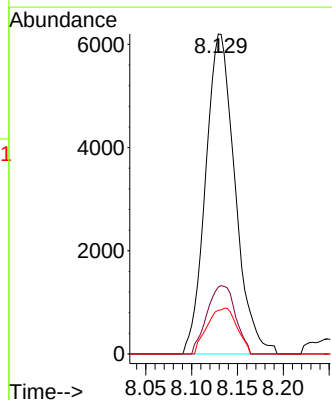
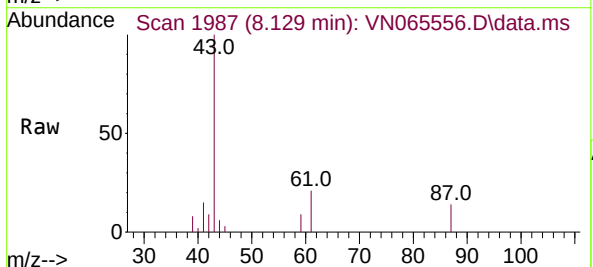
Instrument :
MSVOA_N
ClientSampleId :
TP-C

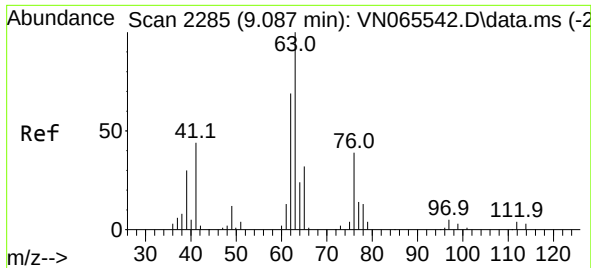
Tgt Ion:117 Resp: 24745
Ion Ratio Lower Upper
117 100
119 4.9 76.7 115.1#
121 0.0 25.4 38.2#



#43
Isopropyl Acetate
Concen: 2.92 ug/l
RT: 8.129 min Scan# 1987
Delta R.T. -0.006 min
Lab File: VN065556.D
Acq: 19 Jan 2021 15:21

Tgt Ion: 43 Resp: 13826
Ion Ratio Lower Upper
43 100
61 20.7 17.2 25.8
87 14.5 11.4 17.0

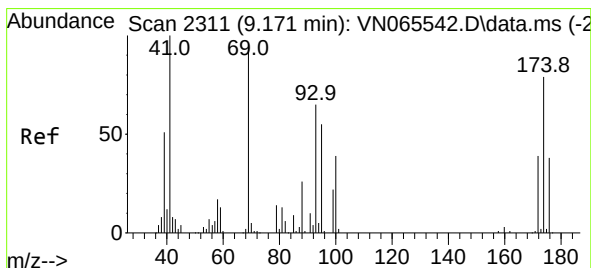
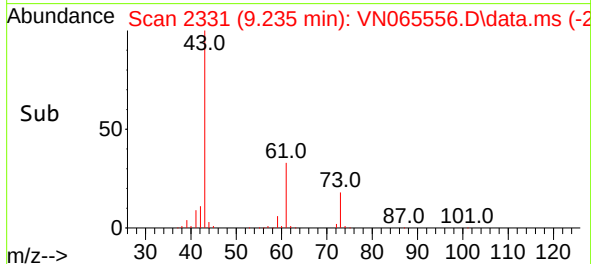
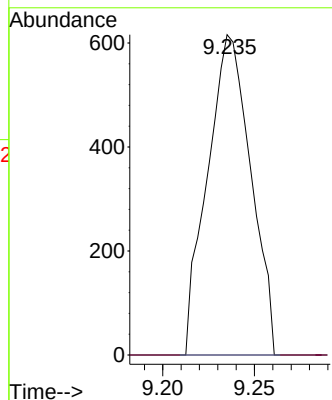
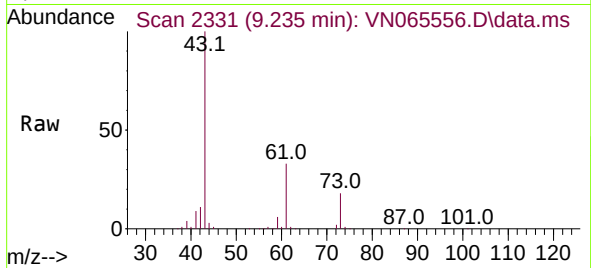




#45
1,2-Dichloropropane
Concen: 0.37 ug/l
RT: 9.235 min Scan# 2331
Delta R.T. 0.148 min
Lab File: VN065556.D
Acq: 19 Jan 2021 15:21

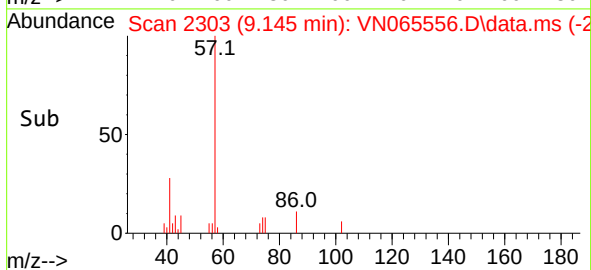
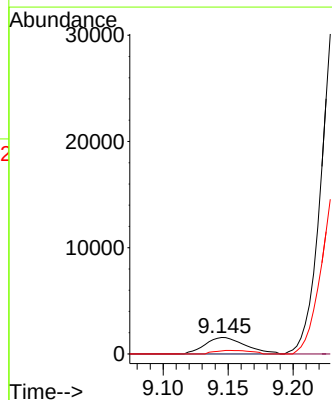
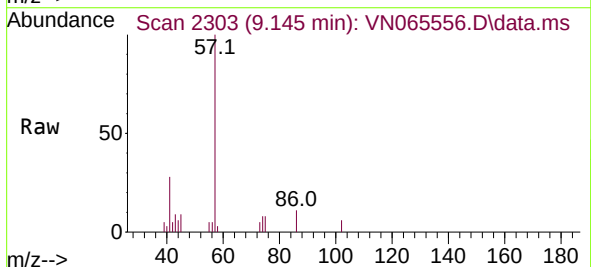
Instrument :
MSVOA_N
ClientSampled :
TP-C

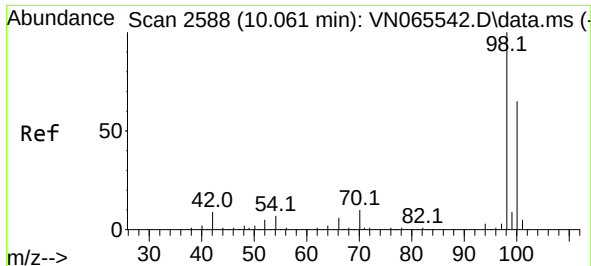
Tgt Ion: 63 Resp: 1012
Ion Ratio Lower Upper
63 100
65 0.0 25.0 37.4#



#48
Methyl methacrylate
Concen: 1.42 ug/l
RT: 9.145 min Scan# 2303
Delta R.T. -0.026 min
Lab File: VN065556.D
Acq: 19 Jan 2021 15:21

Tgt Ion: 41 Resp: 3342
Ion Ratio Lower Upper
41 100
69 0.0 71.8 107.8#
39 0.0 44.1 66.1#

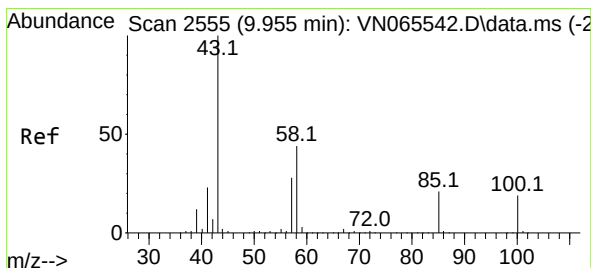
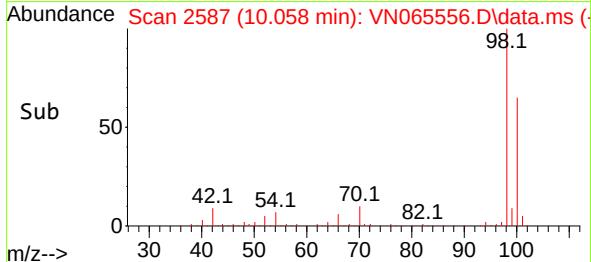
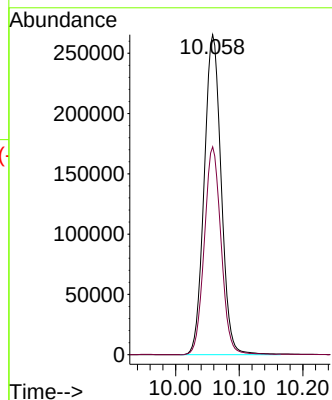
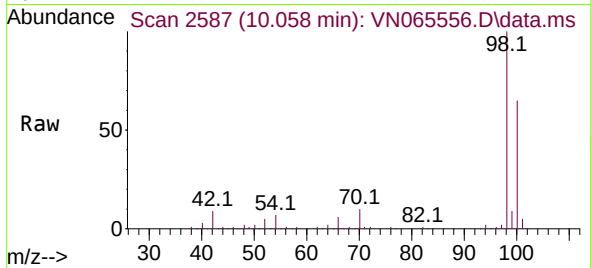




#50
Toluene-d8
Concen: 52.91 ug/l
RT: 10.058 min Scan# 2587
Delta R.T. -0.003 min
Lab File: VN065556.D
Acq: 19 Jan 2021 15:21

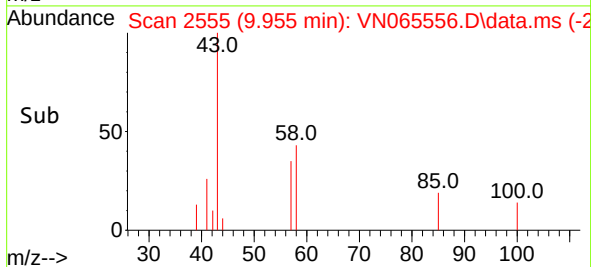
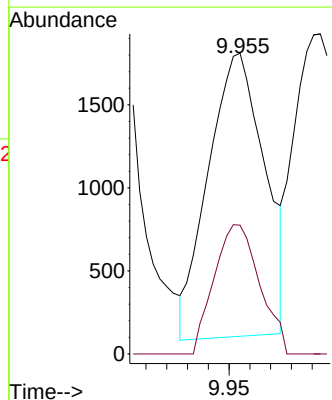
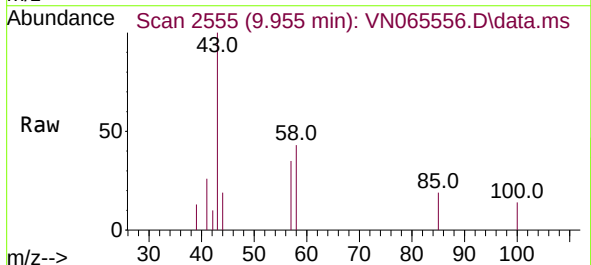
Instrument :
MSVOA_N
ClientSampled :
TP-C

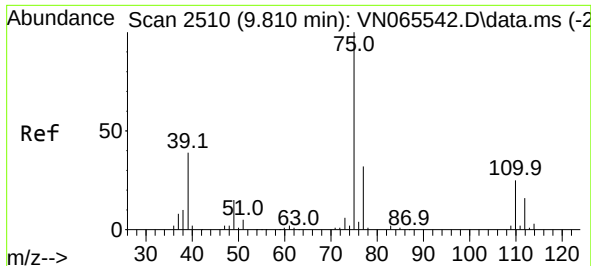
Tgt Ion: 98 Resp: 492471
Ion Ratio Lower Upper
98 100
100 64.2 51.7 77.5



#51
4-Methyl-2-Pentanone
Concen: 1.12 ug/l
RT: 9.955 min Scan# 2555
Delta R.T. 0.000 min
Lab File: VN065556.D
Acq: 19 Jan 2021 15:21

Tgt Ion: 43 Resp: 3204
Ion Ratio Lower Upper
43 100
58 37.1 32.4 48.6

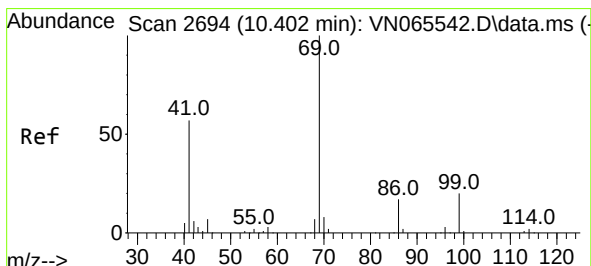
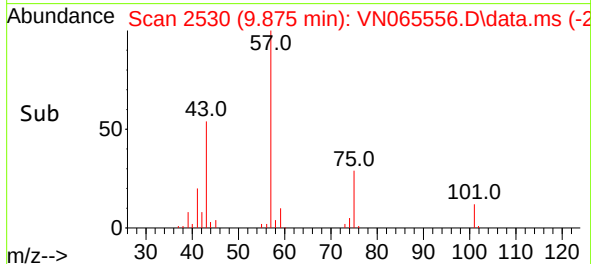
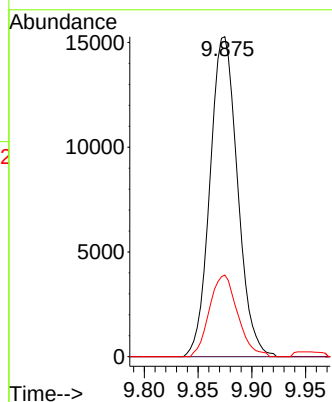
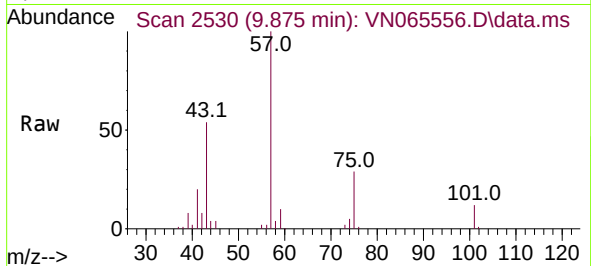




#54
 cis-1,3-Dichloropropene
 Concen: 6.29 ug/l
 RT: 9.875 min Scan# 2530
 Delta R.T. 0.065 min
 Lab File: VN065556.D
 Acq: 19 Jan 2021 15:21

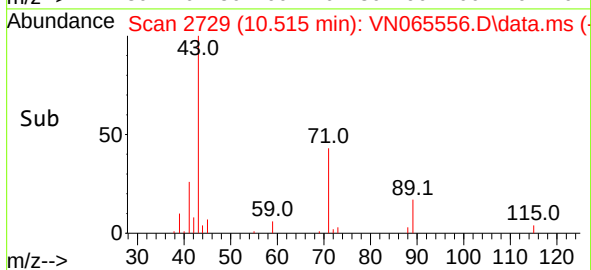
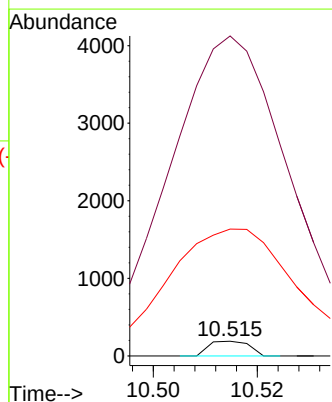
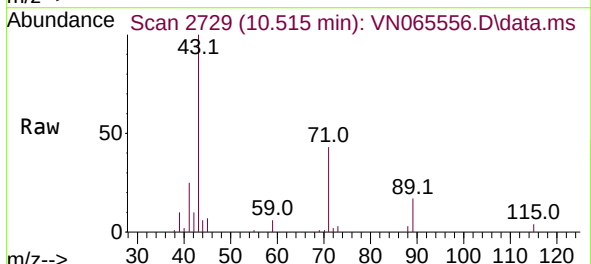
Instrument :
 MSVOA_N
 ClientSampled :
 TP-C

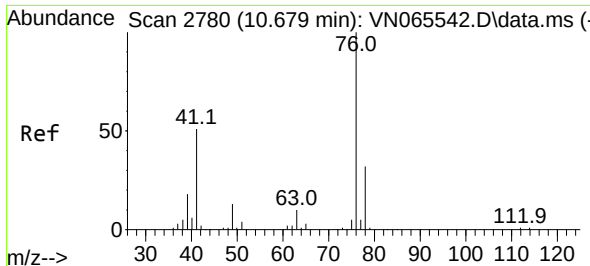
Tgt Ion: 75 Resp: 27207
 Ion Ratio Lower Upper
 75 100
 77 0.0 25.5 38.3#
 39 25.5 35.6 53.4#



#56
 Ethyl methacrylate
 Concen: 2.15 ug/l
 RT: 10.515 min Scan# 2729
 Delta R.T. 0.113 min
 Lab File: VN065556.D
 Acq: 19 Jan 2021 15:21

Tgt Ion: 69 Resp: 103
 Ion Ratio Lower Upper
 69 100
 41 6682.5 49.4 74.0#
 39 2770.9 25.9 38.9#

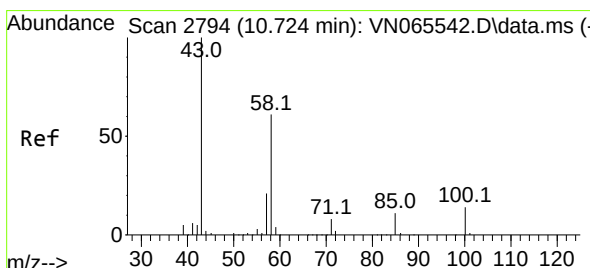
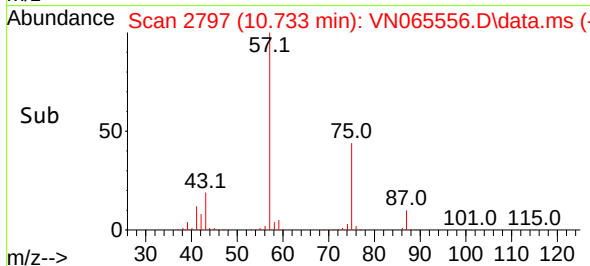
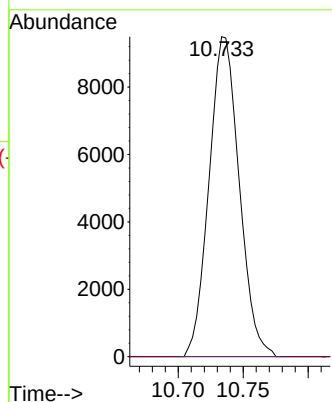
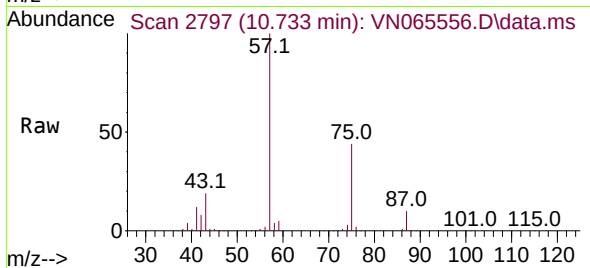




#57
1,3-Dichloropropane
Concen: 3.44 ug/l
RT: 10.733 min Scan# 2797
Delta R.T. 0.054 min
Lab File: VN065556.D
Acq: 19 Jan 2021 15:21

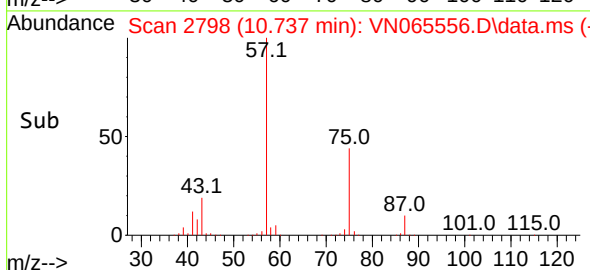
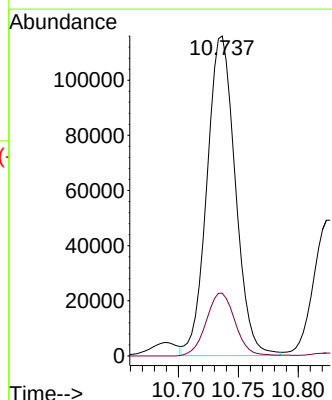
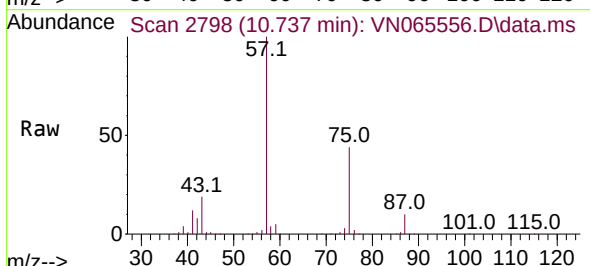
Instrument :
MSVOA_N
ClientSampled :
TP-C

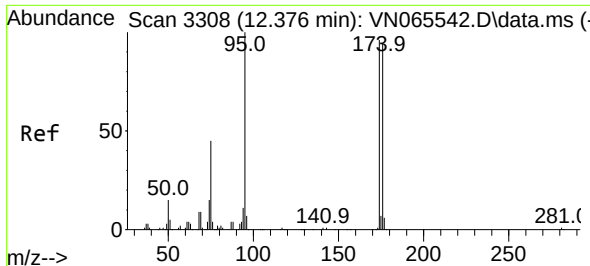
Tgt Ion: 76 Resp: 15345
Ion Ratio Lower Upper
76 100
78 0.0 26.1 39.1#



#59
2-Hexanone
Concen: 92.64 ug/l
RT: 10.737 min Scan# 2798
Delta R.T. 0.013 min
Lab File: VN065556.D
Acq: 19 Jan 2021 15:21

Tgt Ion: 43 Resp: 190693
Ion Ratio Lower Upper
43 100
58 20.2 28.3 84.9#

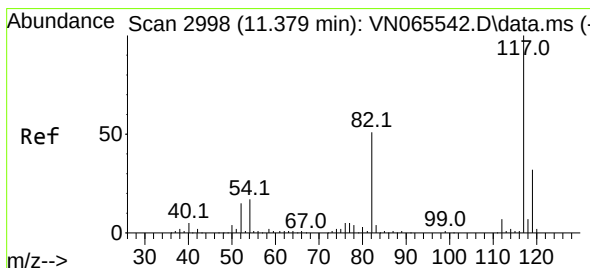
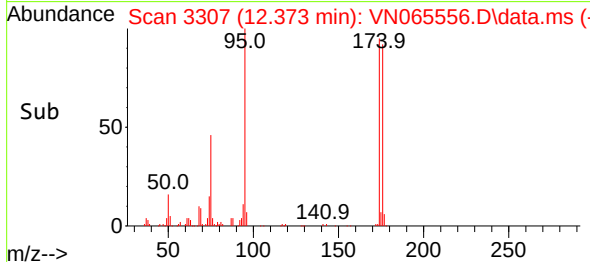
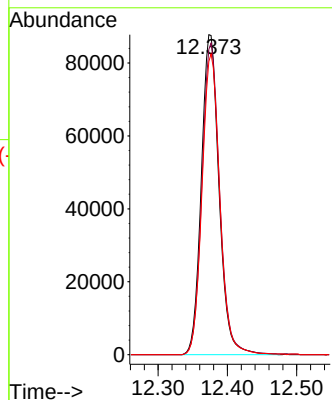
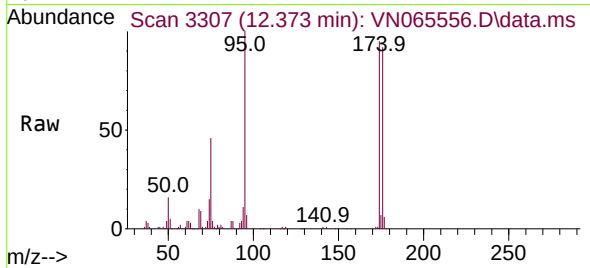




#62
4-Bromofluorobenzene
Concen: 44.59 ug/l
RT: 12.373 min Scan# 3307
Delta R.T. -0.003 min
Lab File: VN065556.D
Acq: 19 Jan 2021 15:21

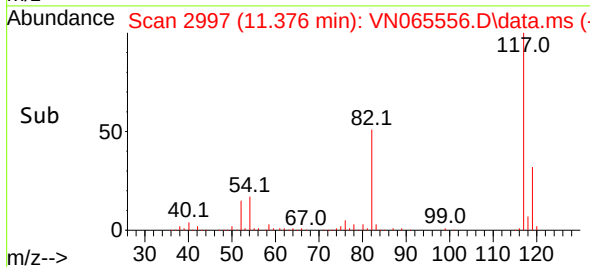
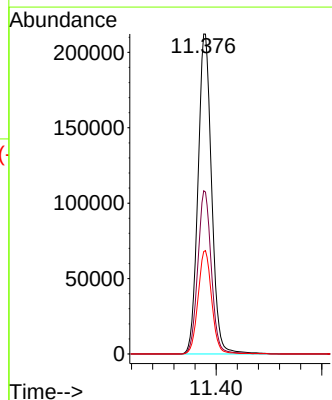
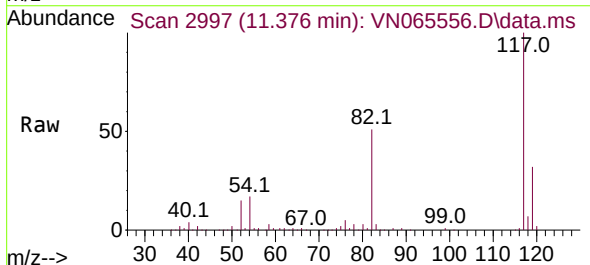
Instrument :
MSVOA_N
ClientSampled :
TP-C

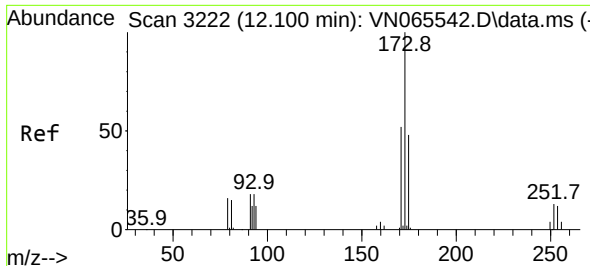
Tgt Ion: 95 Resp: 155767
Ion Ratio Lower Upper
95 100
174 97.7 0.0 160.4
176 94.3 0.0 158.4



#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.376 min Scan# 2997
Delta R.T. -0.003 min
Lab File: VN065556.D
Acq: 19 Jan 2021 15:21

Tgt Ion: 117 Resp: 379342
Ion Ratio Lower Upper
117 100
82 51.0 44.2 66.2
119 32.0 25.8 38.6

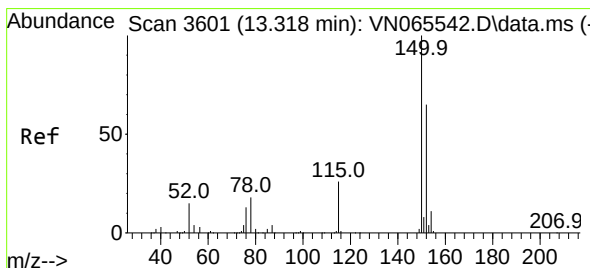
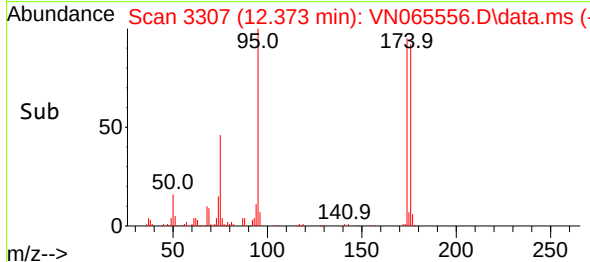
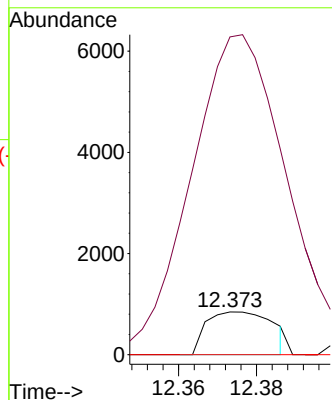
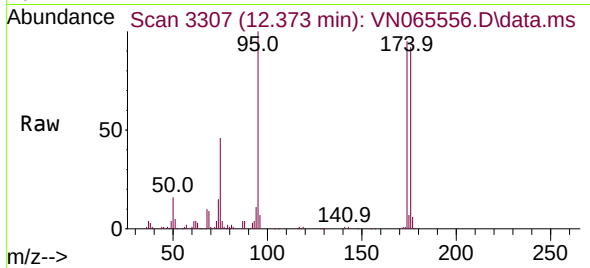




#71
Bromoform
Concen: 3.18 ug/l
RT: 12.373 min Scan# 3307
Delta R.T. 0.273 min
Lab File: VN065556.D
Acq: 19 Jan 2021 15:21

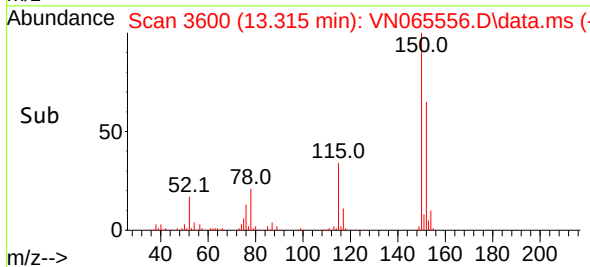
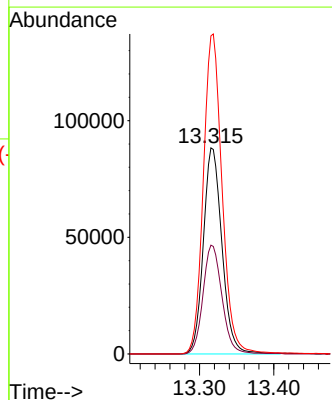
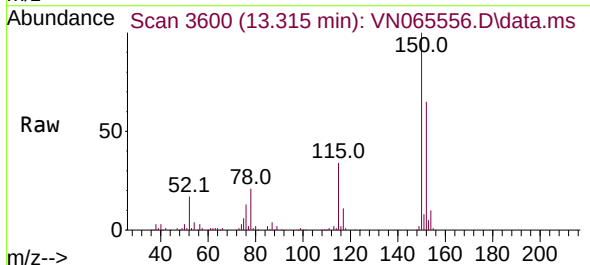
Instrument :
MSVOA_N
ClientSampled :
TP-C

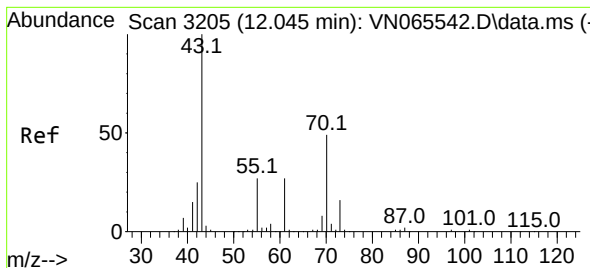
Tgt Ion:173 Resp: 999
Ion Ratio Lower Upper
173 100
175 920.8 24.3 72.8#
254 0.0 0.0 0.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 13.315 min Scan# 3600
Delta R.T. -0.003 min
Lab File: VN065556.D
Acq: 19 Jan 2021 15:21

Tgt Ion:152 Resp: 153919
Ion Ratio Lower Upper
152 100
115 53.8 29.7 89.1
150 156.2 0.0 350.6

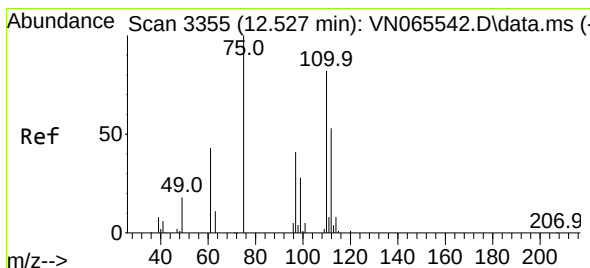
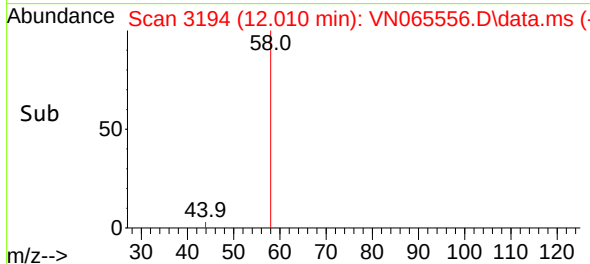
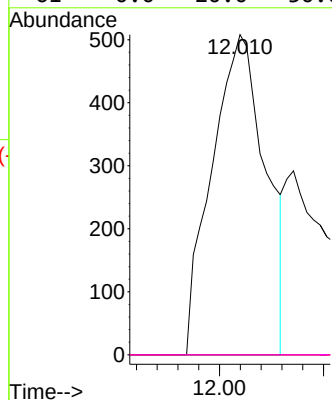
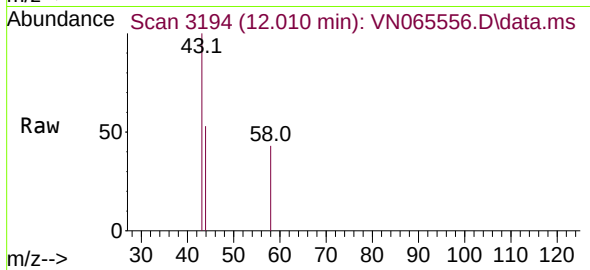




#74
N-amyl acetate
Concen: 0.28 ug/l
RT: 12.010 min Scan# 3194
Delta R.T. -0.035 min
Lab File: VN065556.D
Acq: 19 Jan 2021 15:21

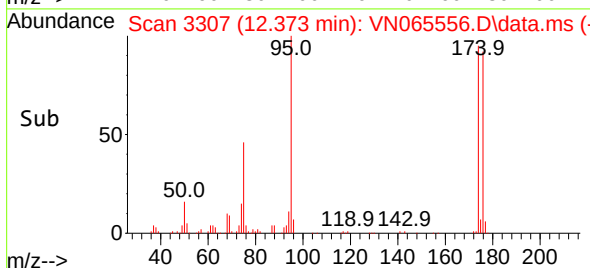
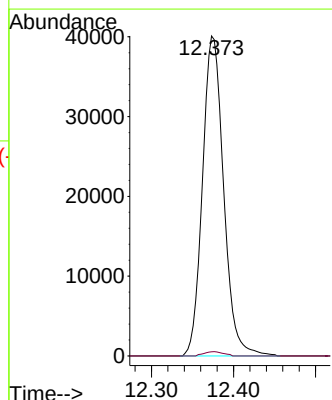
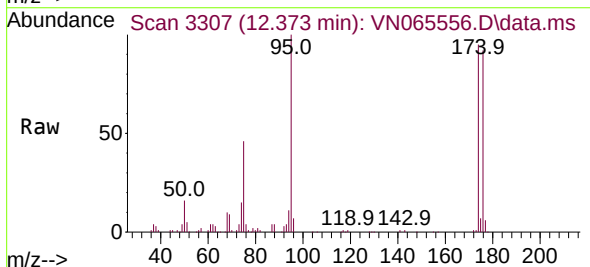
Instrument :
MSVOA_N
ClientSampled :
TP-C

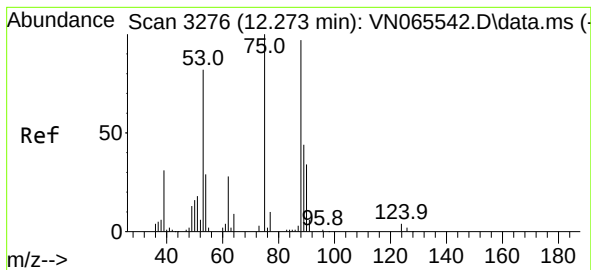
Tgt Ion: 43	Resp:	912
Ion Ratio	Lower	Upper
43	100	
70	0.0	34.5 51.7#
55	0.0	20.4 30.6#
61	0.0	20.0 30.0#



#76
1,2,3-Trichloropropane
Concen: 25.76 ug/l
RT: 12.373 min Scan# 3307
Delta R.T. -0.154 min
Lab File: VN065556.D
Acq: 19 Jan 2021 15:21

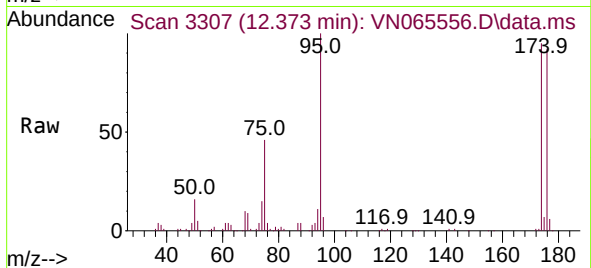
Tgt Ion: 75	Resp:	71810
Ion Ratio	Lower	Upper
75	100	
77	1.2	0.0 0.0#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 74.88 ug/l
 RT: 12.373 min Scan# 3307
 Delta R.T. 0.100 min
 Lab File: VN065556.D
 Acq: 19 Jan 2021 15:21

Instrument :
 MSVOA_N
 ClientSampleId :
 TP-C



Tgt Ion: 75 Resp: 71810
 Ion Ratio Lower Upper
 75 100
 53 0.0 67.0 100.4#
 89 0.0 39.6 59.4#

