

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN022421\
 Data File : VN066009.D
 Acq On : 24 Feb 2021 17:16
 Operator : JC/MD
 Sample : M1474-06
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 BP-TT-VPB-RW6-EB-20210223

Quant Time: Feb 25 02:15:47 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N021721W.M
 Quant Title : SW846 8260
 QLast Update : Wed Feb 17 15:48:13 2021
 Response via : Initial Calibration

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

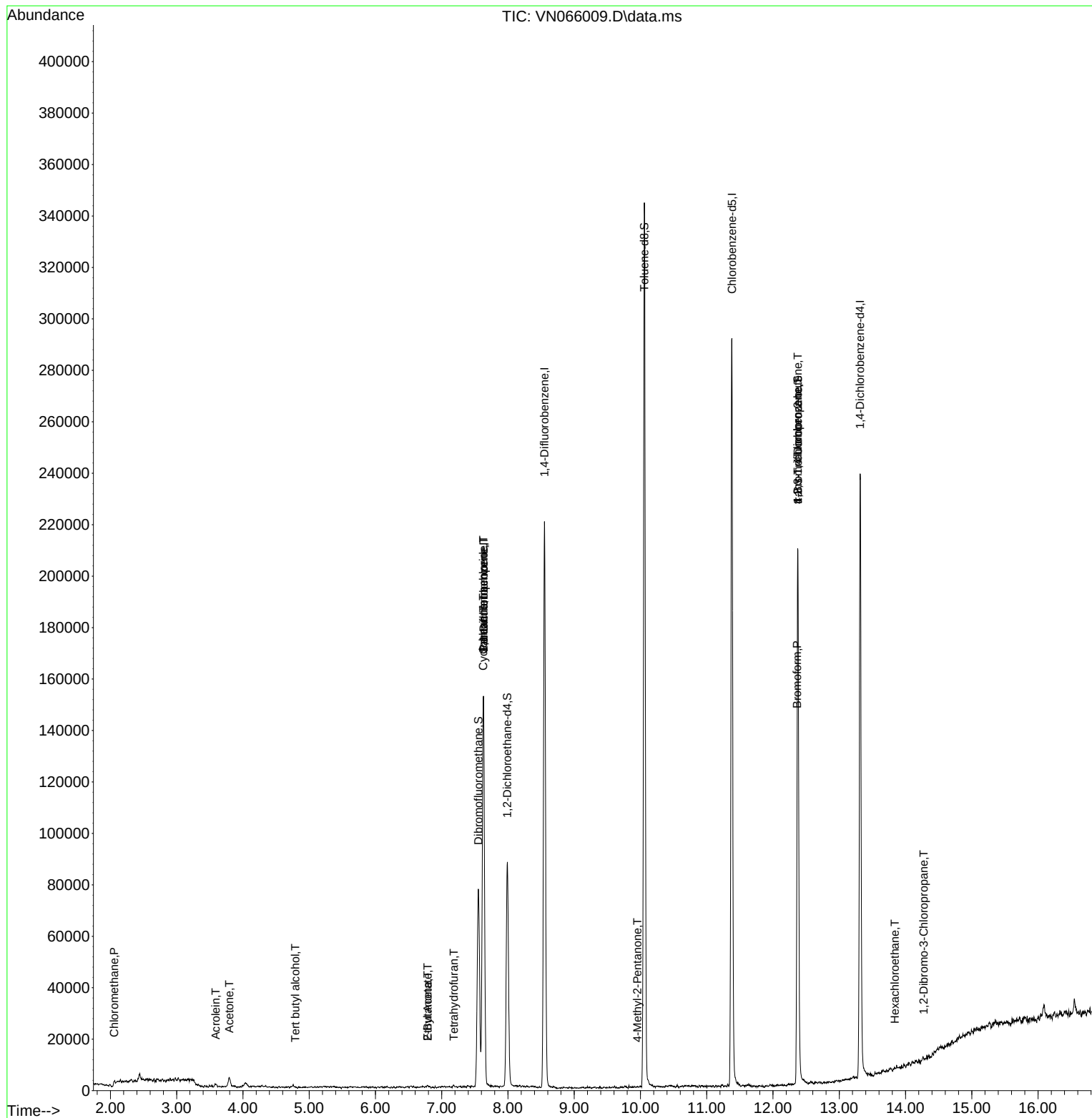
Internal Standards						
1) Pentafluorobenzene	7.631	168	124399	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.550	114	201772	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.380	117	178271	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.315	152	68255	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	7.991	65	82779	47.58	ug/l	0.00
Spiked Amount 50.000	Range 61 - 141		Recovery =	95.16%		
35) Dibromofluoromethane	7.553	113	60368	48.34	ug/l	0.00
Spiked Amount 50.000	Range 69 - 133		Recovery =	96.68%		
50) Toluene-d8	10.058	98	244323	47.66	ug/l	0.00
Spiked Amount 50.000	Range 65 - 126		Recovery =	95.32%		
62) 4-Bromofluorobenzene	12.373	95	84034	43.67	ug/l	0.00
Spiked Amount 50.000	Range 58 - 135		Recovery =	87.34%		
Target Compounds						Qvalue
3) Chloromethane	2.055	50	849	0.42	ug/l #	72
11) Tert butyl alcohol	4.791	59	63	0.26	ug/l #	73
13) Acrolein	3.589	56	1383	6.25	ug/l	98
16) Acetone	3.795	43	6225	9.85	ug/l	99
25) 2-Butanone	6.788	43	405	0.47	ug/l #	68
29) Tetrahydrofuran	7.184	42	302	0.51	ug/l #	32
31) Cyclohexane	7.624	56	2362	0.91	ug/l #	1
36) 1,1-Dichloropropene	7.631	75	9379	4.71	ug/l #	49
37) Ethyl Acetate	6.788	43	405	0.23	ug/l #	68
38) Carbon Tetrachloride	7.627	117	12671	6.85	ug/l #	18
51) 4-Methyl-2-Pentanone	9.952	43	435	0.25	ug/l #	35
71) Bromoform	12.363	173	109	2.61	ug/l #	29
76) 1,2,3-Trichloropropane	12.373	75	43163	26.32	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.373	75	43163	83.89	ug/l #	12
90) Hexachloroethane	13.839	117	176	0.23	ug/l #	12
92) 1,2-Dibromo-3-Chloropr...	14.273	75	419	2.12	ug/l #	1

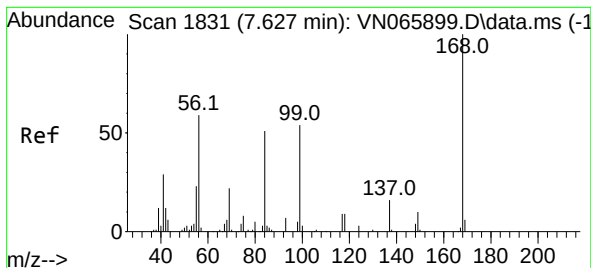
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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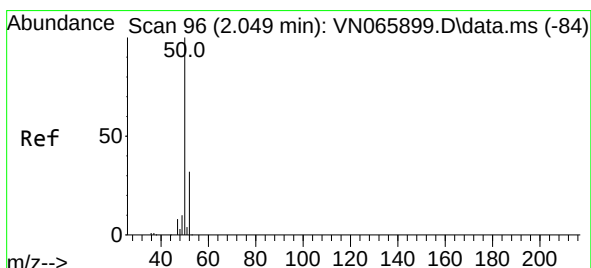
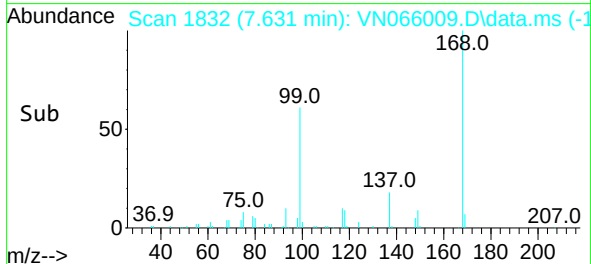
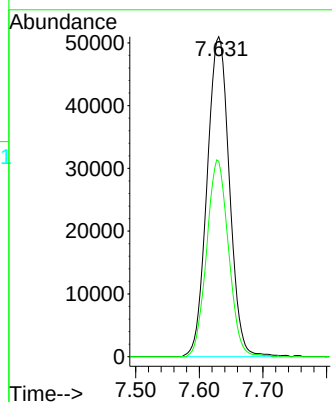
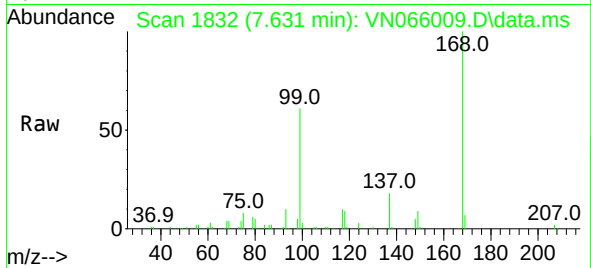




#1
Pentafluorobenzene
Concen: 50.00 ug/l
RT: 7.631 min Scan# 1832
Delta R.T. 0.004 min
Lab File: VN066009.D
Acq: 24 Feb 2021 17:16

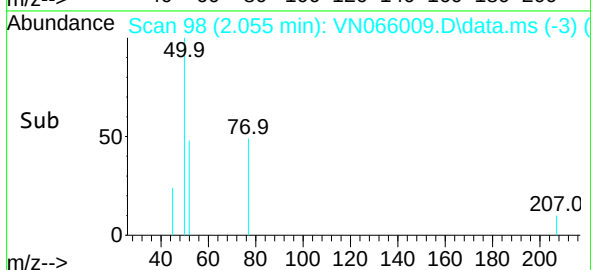
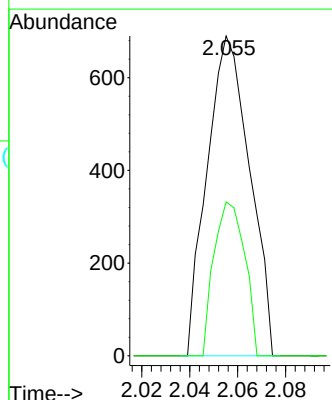
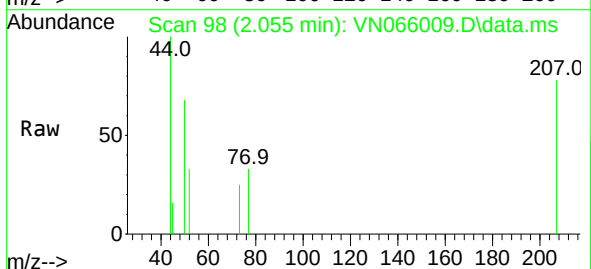
Instrument :
MSVOA_N
ClientSampleId :
BP-TT-VPB-RW6-EB-20210223

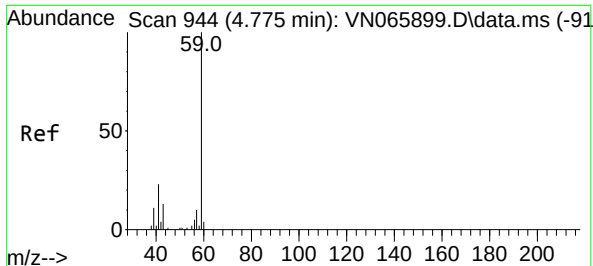
Tgt Ion:168 Resp: 124399
Ion Ratio Lower Upper
168 100
99 61.1 42.6 63.8



#3
Chloromethane
Concen: 0.42 ug/l
RT: 2.055 min Scan# 98
Delta R.T. 0.006 min
Lab File: VN066009.D
Acq: 24 Feb 2021 17:16

Tgt Ion: 50 Resp: 849
Ion Ratio Lower Upper
50 100
52 48.1 25.8 38.8#



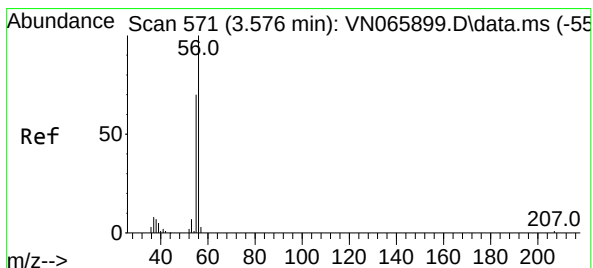
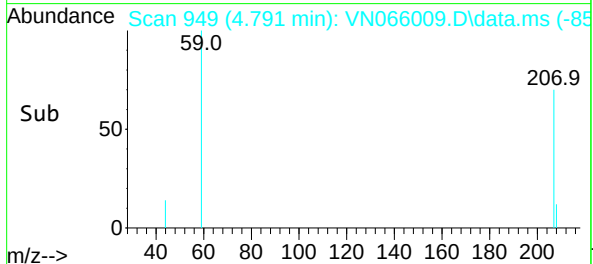
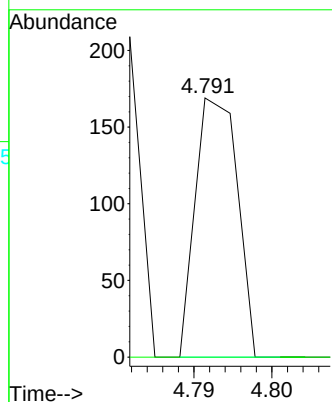
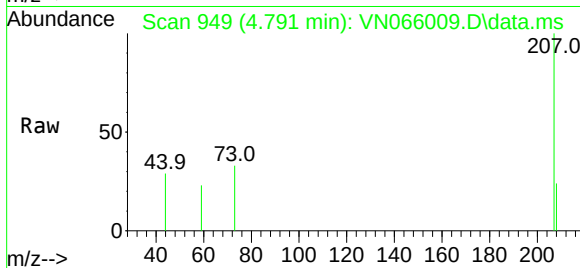


#11

Tert butyl alcohol
Concen: 0.26 ug/l
RT: 4.791 min Scan# 949
Delta R.T. 0.016 min
Lab File: VN066009.D
Acq: 24 Feb 2021 17:16

Instrument :
MSVOA_N
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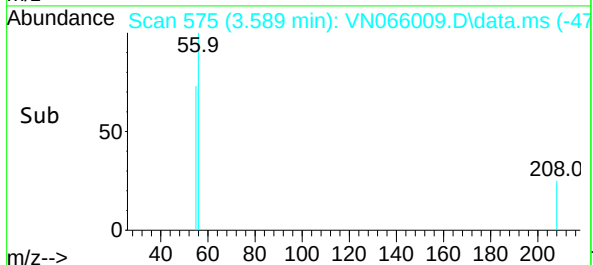
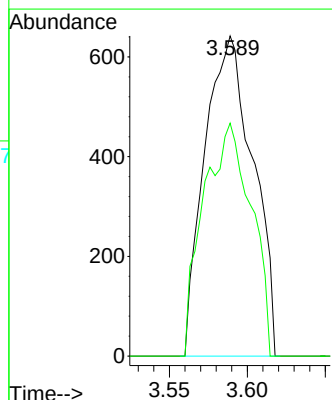
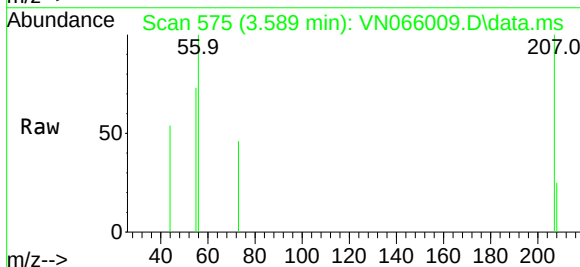
Tgt Ion: 59 Resp: 63
Ion Ratio Lower Upper
59 100
57 0.0 8.0 12.0#

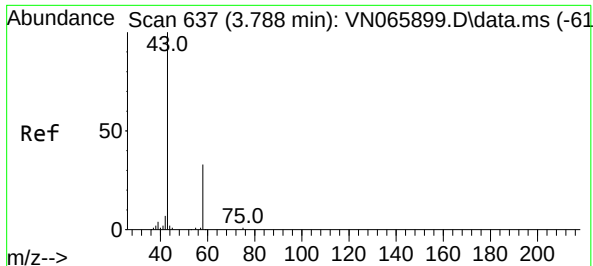


#13

Acrolein
Concen: 6.25 ug/l
RT: 3.589 min Scan# 575
Delta R.T. 0.013 min
Lab File: VN066009.D
Acq: 24 Feb 2021 17:16

Tgt Ion: 56 Resp: 1383
Ion Ratio Lower Upper
56 100
55 71.9 56.0 84.0

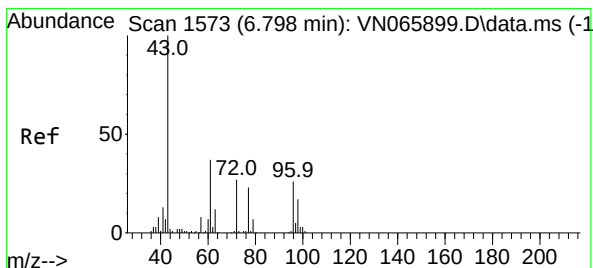
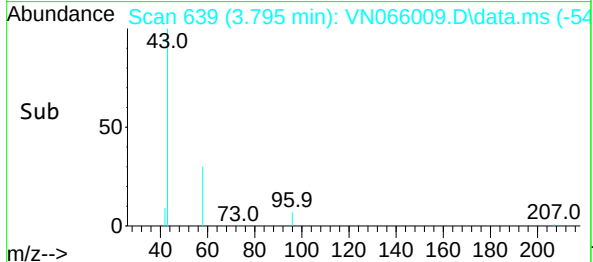
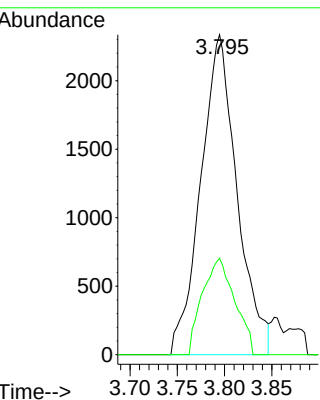
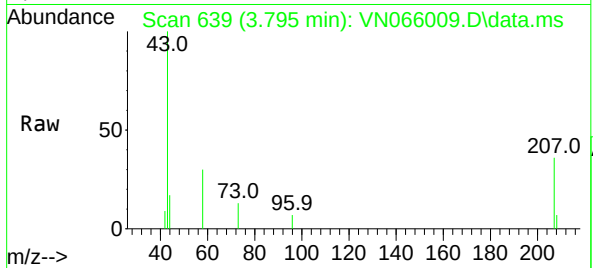




#16
Acetone
Concen: 9.85 ug/l
RT: 3.795 min Scan# 639
Delta R.T. 0.007 min
Lab File: VN066009.D
Acq: 24 Feb 2021 17:16

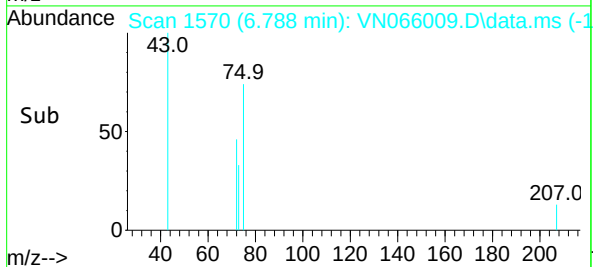
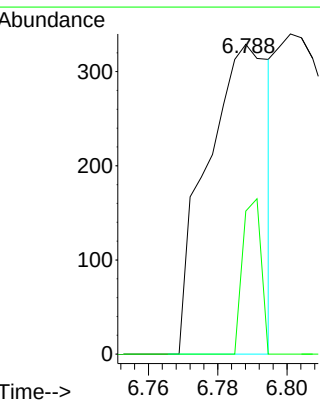
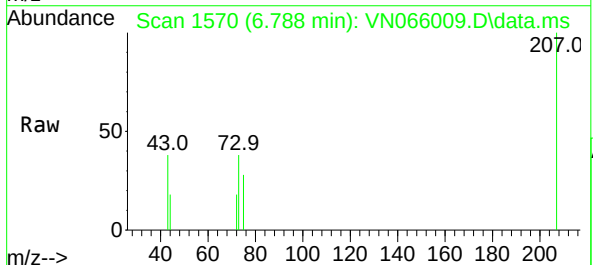
Instrument :
MSVOA_N
ClientSampleId :
BP-TT-VPB-RW6-EB-20210223

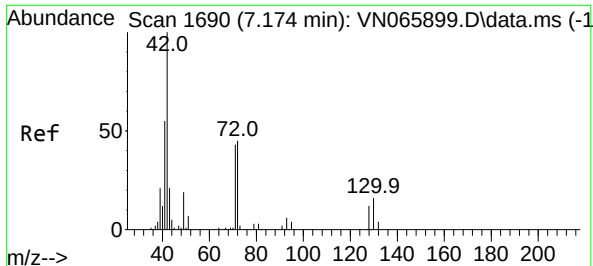
Tgt Ion: 43 Resp: 6225
Ion Ratio Lower Upper
43 100
58 33.3 27.0 40.6



#25
2-Butanone
Concen: 0.47 ug/l
RT: 6.788 min Scan# 1570
Delta R.T. -0.010 min
Lab File: VN066009.D
Acq: 24 Feb 2021 17:16

Tgt Ion: 43 Resp: 405
Ion Ratio Lower Upper
43 100
72 46.2 23.1 34.7#





#29

Tetrahydrofuran

Concen: 0.51 ug/l

RT: 7.184 min Scan# 1693

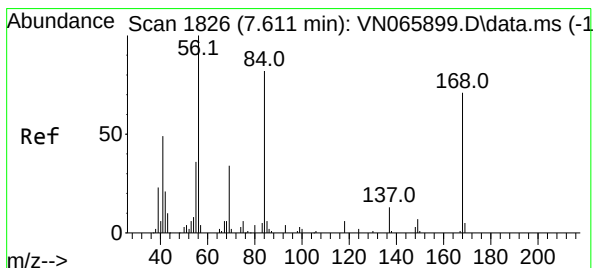
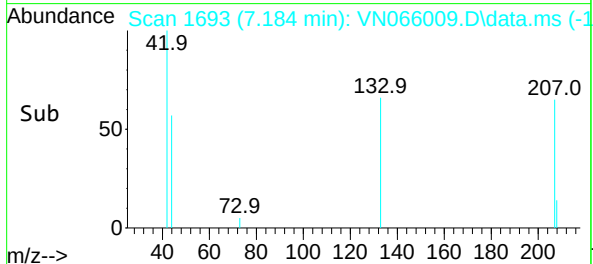
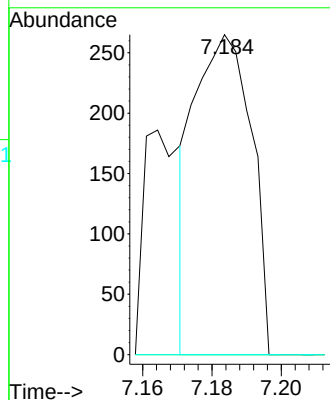
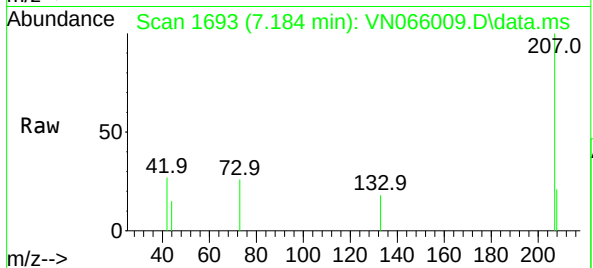
Delta R.T. 0.010 min

Lab File: VN066009.D

Acq: 24 Feb 2021 17:16

Tgt Ion:	42	Resp:	302
Ion	Ratio	Lower	Upper
42	100		
72	0.0	36.6	55.0#
71	0.0	34.3	51.5#

Instrument :
MSVOA_N
ClientSampleId :
BP-TT-VPB-RW6-EB-20210223



#31

Cyclohexane

Concen: 0.91 ug/l

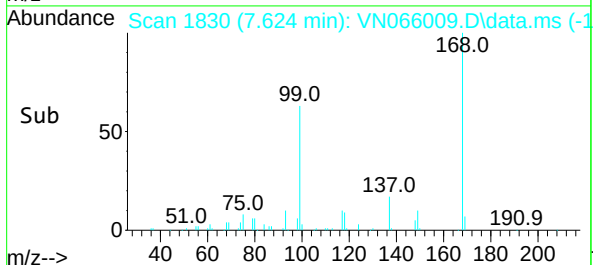
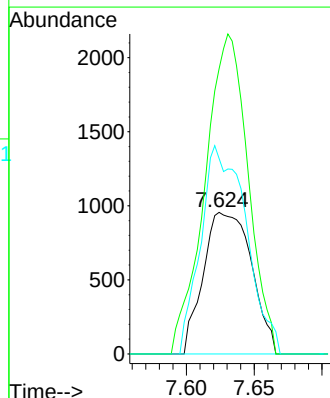
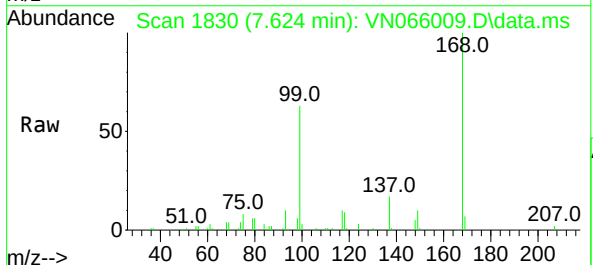
RT: 7.624 min Scan# 1830

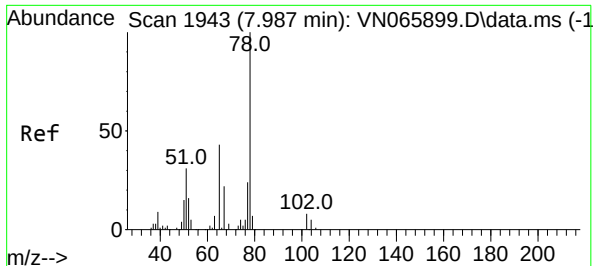
Delta R.T. 0.013 min

Lab File: VN066009.D

Acq: 24 Feb 2021 17:16

Tgt Ion:	56	Resp:	2362
Ion	Ratio	Lower	Upper
56	100		
69	201.4	26.6	39.8#
84	138.1	70.4	105.6#





#33

1,2-Dichloroethane-d4

Concen: 47.58 ug/l

RT: 7.991 min Scan# 1944

Delta R.T. 0.004 min

Lab File: VN066009.D

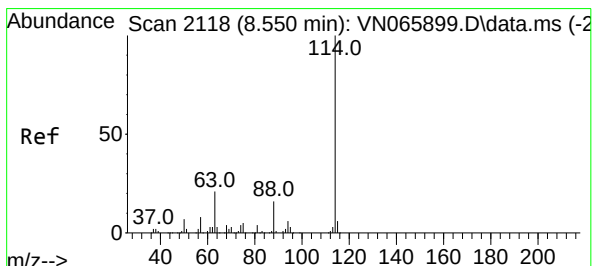
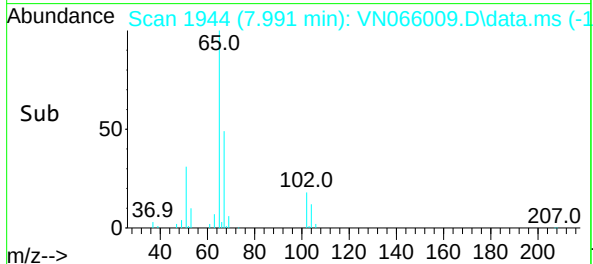
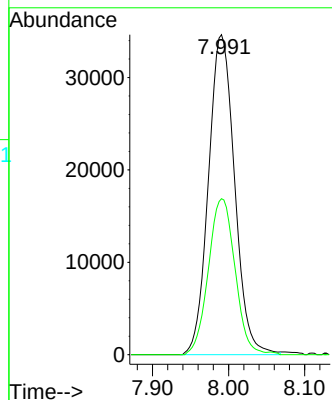
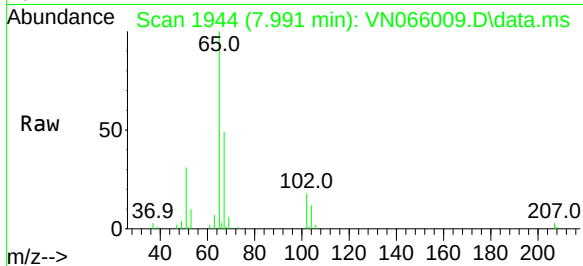
Acq: 24 Feb 2021 17:16

Tgt Ion: 65 Resp: 82779

Ion Ratio Lower Upper

65 100

67 49.5 0.0 107.2



#34

1,4-Difluorobenzene

Concen: 50.00 ug/l

RT: 8.550 min Scan# 2118

Delta R.T. 0.000 min

Lab File: VN066009.D

Acq: 24 Feb 2021 17:16

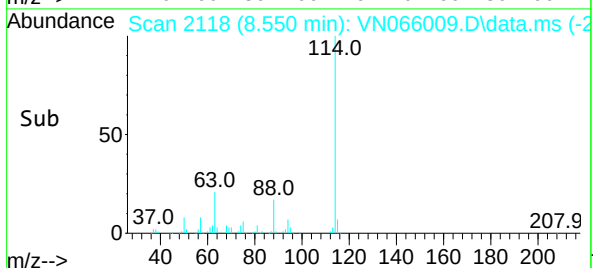
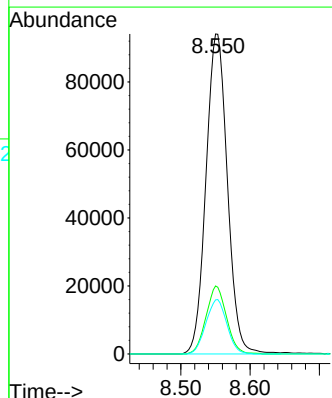
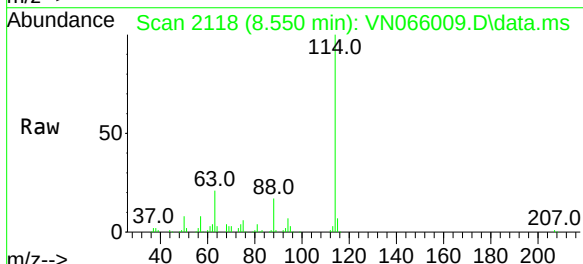
Tgt Ion: 114 Resp: 201772

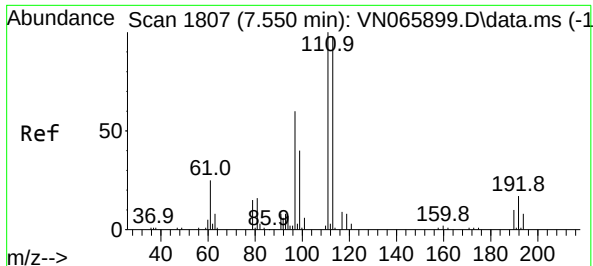
Ion Ratio Lower Upper

114 100

63 21.3 0.0 38.6

88 16.9 0.0 30.6

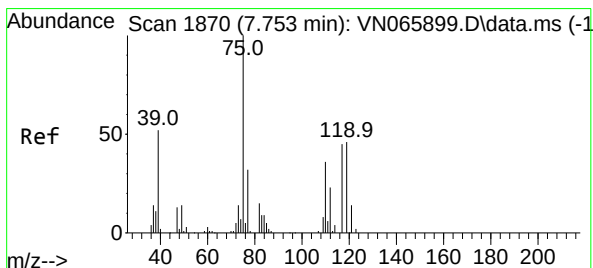
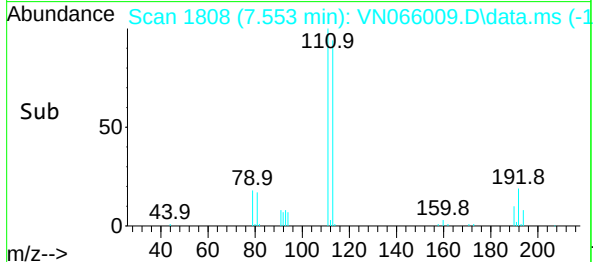
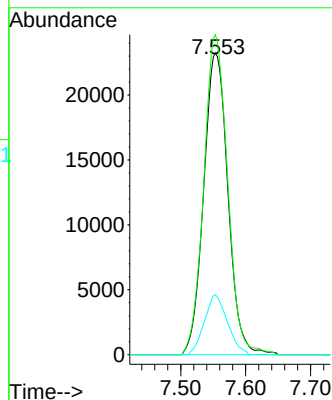
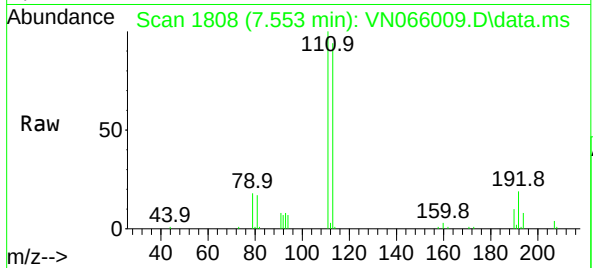




#35
Dibromofluoromethane
Concen: 48.34 ug/l
RT: 7.553 min Scan# 1808
Delta R.T. 0.003 min
Lab File: VN066009.D
Acq: 24 Feb 2021 17:16

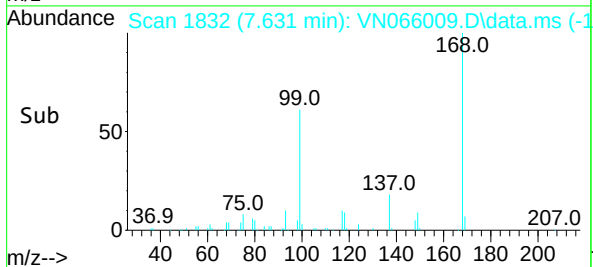
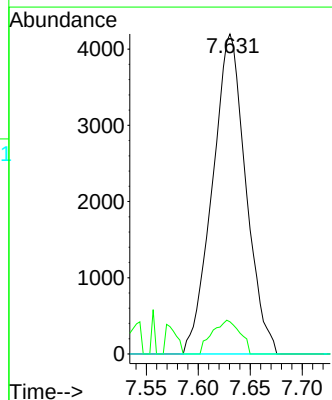
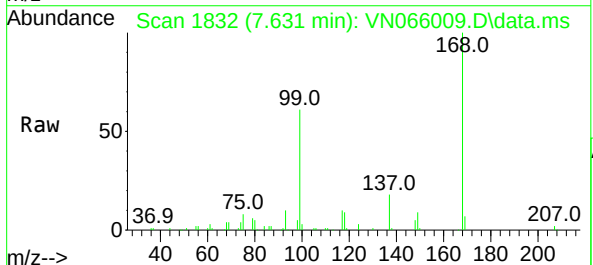
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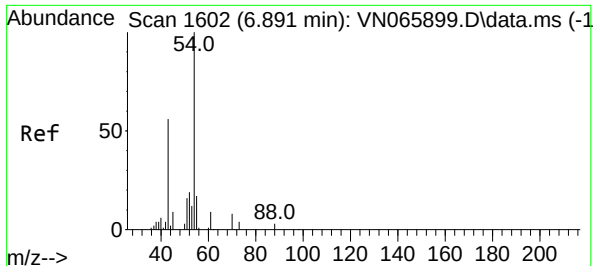
Tgt Ion:113 Resp: 60368
Ion Ratio Lower Upper
113 100
111 104.5 82.2 123.2
192 18.8 15.4 23.0



#36
1,1-Dichloropropene
Concen: 4.71 ug/l
RT: 7.631 min Scan# 1832
Delta R.T. -0.122 min
Lab File: VN066009.D
Acq: 24 Feb 2021 17:16

Tgt Ion: 75 Resp: 9379
Ion Ratio Lower Upper
75 100
110 8.8 18.2 54.6#
77 0.0 24.9 37.3#





#37

Ethyl Acetate

Concen: 0.23 ug/l

RT: 6.788 min Scan# 1570

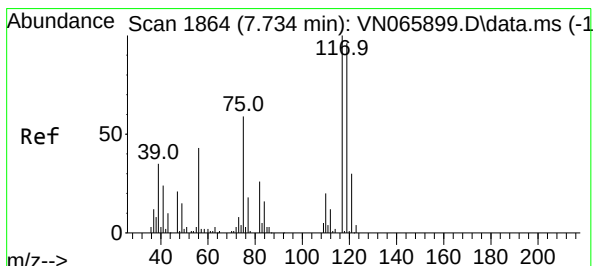
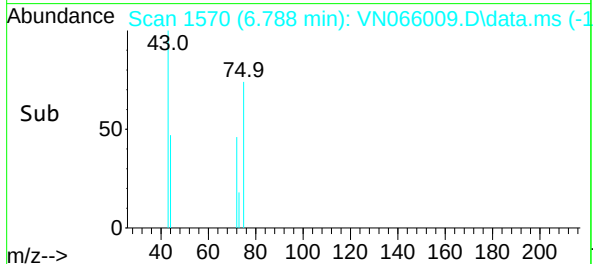
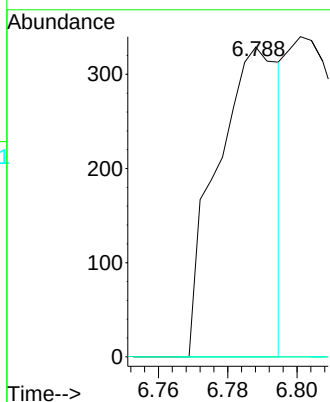
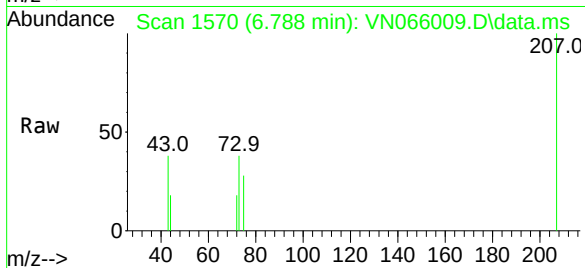
Delta R.T. -0.103 min

Lab File: VN066009.D

Acq: 24 Feb 2021 17:16

Tgt Ion:	43	Resp:	405
Ion	Ratio	Lower	Upper
43	100		
61	0.0	11.6	17.4#
70	0.0	8.6	13.0#

Instrument :
MSVOA_N
ClientSampleId :
BP-TT-VPB-RW6-EB-20210223



#38

Carbon Tetrachloride

Concen: 6.85 ug/l

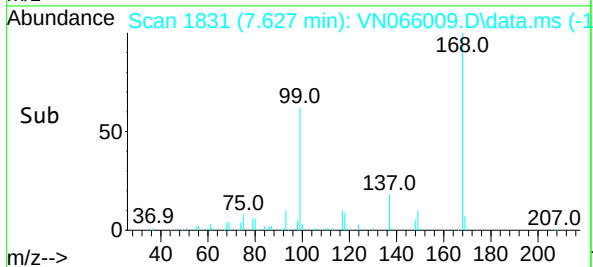
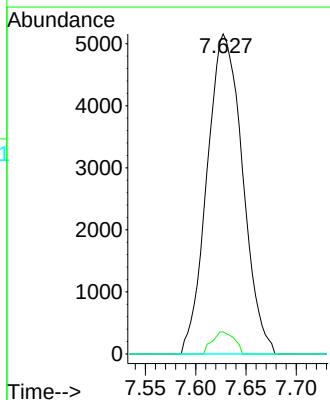
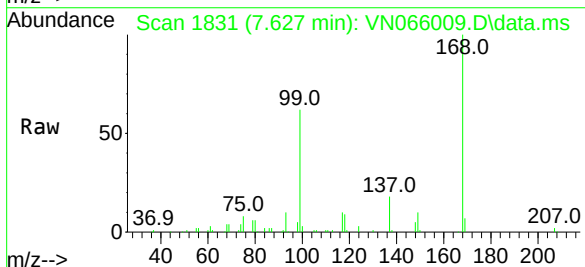
RT: 7.627 min Scan# 1831

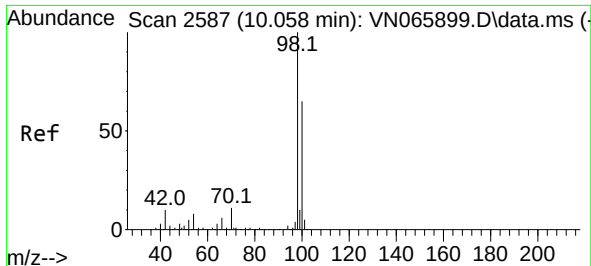
Delta R.T. -0.107 min

Lab File: VN066009.D

Acq: 24 Feb 2021 17:16

Tgt Ion:	117	Resp:	12671
Ion	Ratio	Lower	Upper
117	100		
119	6.9	76.0	114.0#
121	0.0	24.5	36.7#

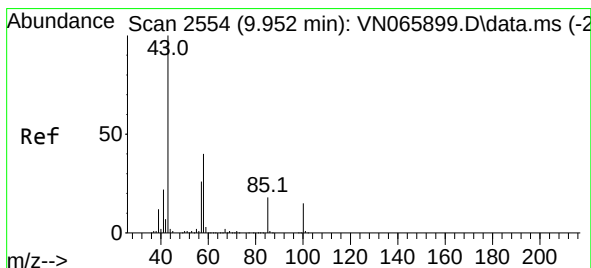
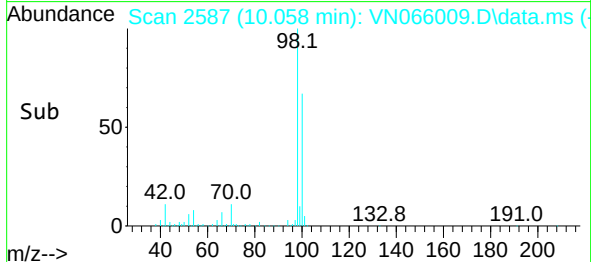
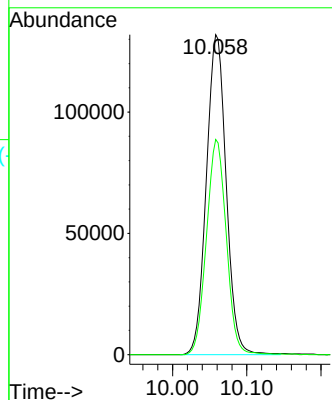
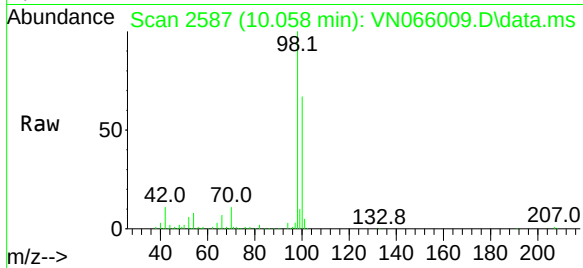




#50
Toluene-d8
Concen: 47.66 ug/l
RT: 10.058 min Scan# 2587
Delta R.T. 0.000 min
Lab File: VN066009.D
Acq: 24 Feb 2021 17:16

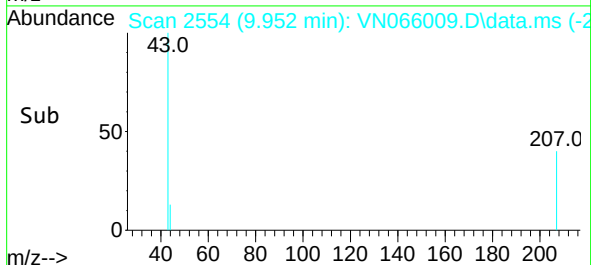
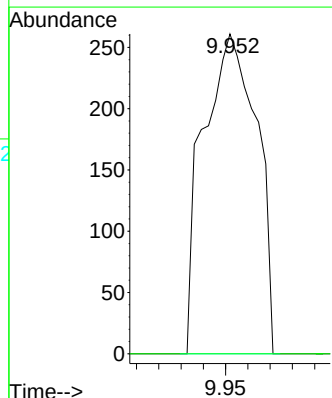
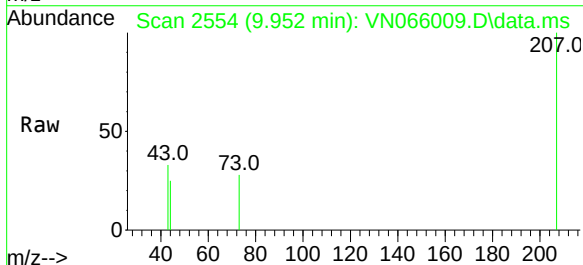
Instrument :
MSVOA_N
ClientSampleId :
BP-TT-VPB-RW6-EB-20210223

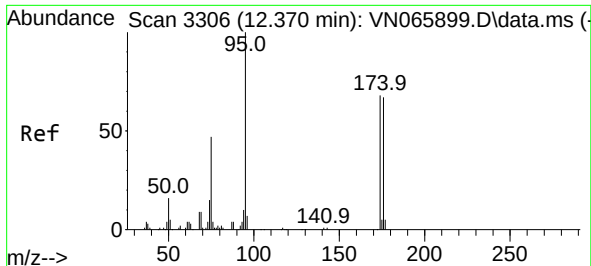
Tgt Ion: 98 Resp: 244323
Ion Ratio Lower Upper
98 100
100 67.2 50.5 75.7



#51
4-Methyl-2-Pentanone
Concen: 0.25 ug/l
RT: 9.952 min Scan# 2554
Delta R.T. -0.000 min
Lab File: VN066009.D
Acq: 24 Feb 2021 17:16

Tgt Ion: 43 Resp: 435
Ion Ratio Lower Upper
43 100
58 0.0 32.5 48.7#

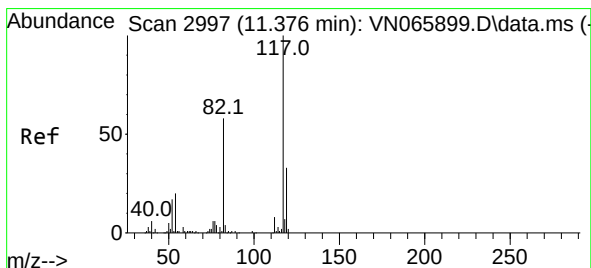
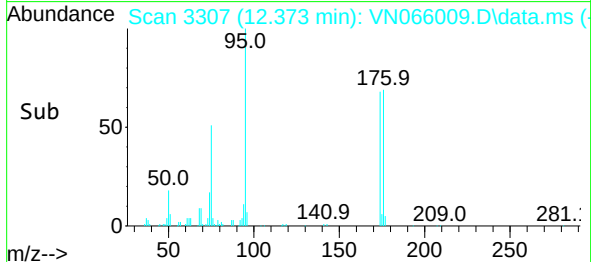
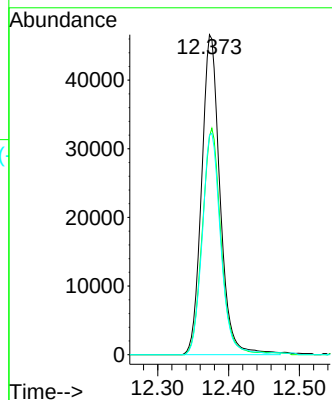
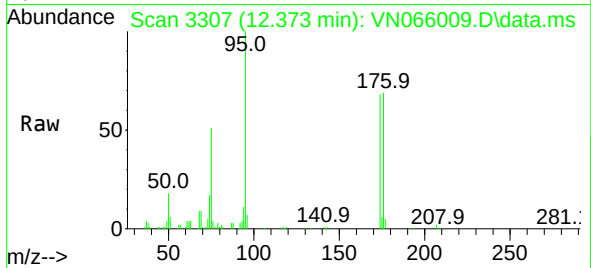




#62
4-Bromofluorobenzene
Concen: 43.67 ug/l
RT: 12.373 min Scan# 3307
Delta R.T. 0.003 min
Lab File: VN066009.D
Acq: 24 Feb 2021 17:16

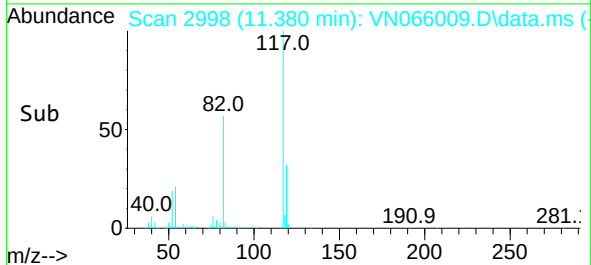
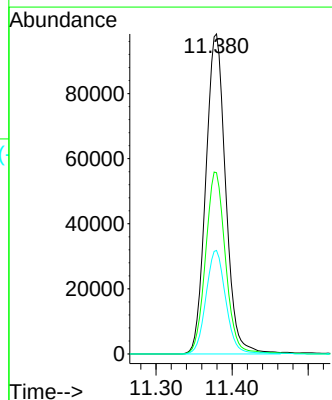
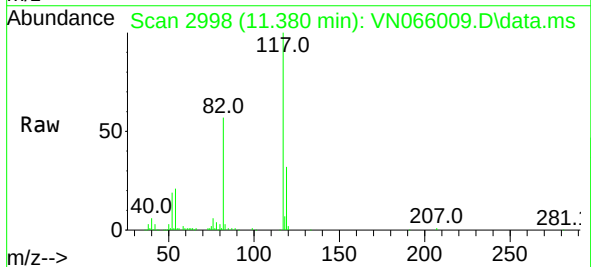
Instrument :
MSVOA_N
ClientSampleId :
BP-TT-VPB-RW6-EB-20210223

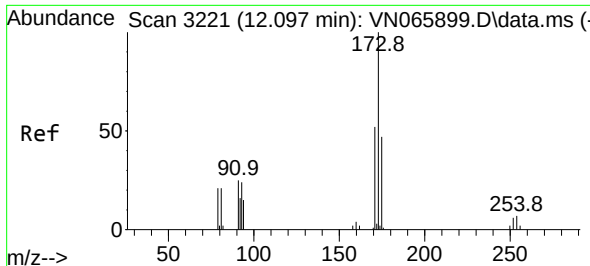
Tgt Ion: 95 Resp: 84034
Ion Ratio Lower Upper
95 100
174 71.5 0.0 169.0
176 69.7 0.0 162.4



#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.380 min Scan# 2998
Delta R.T. 0.004 min
Lab File: VN066009.D
Acq: 24 Feb 2021 17:16

Tgt Ion: 117 Resp: 178271
Ion Ratio Lower Upper
117 100
82 56.7 43.7 65.5
119 32.4 26.1 39.1

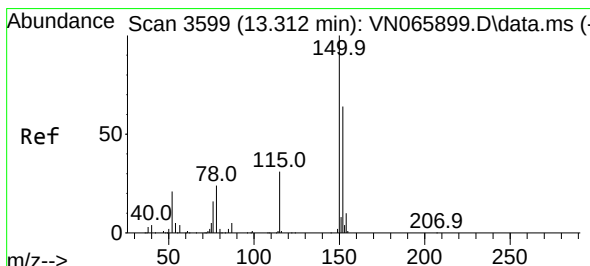
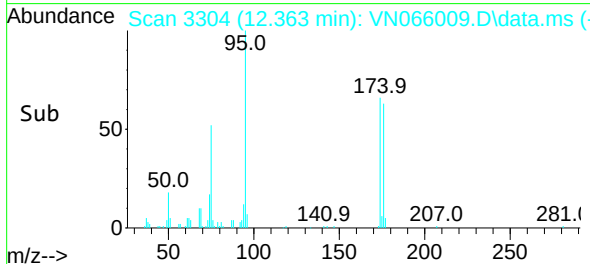
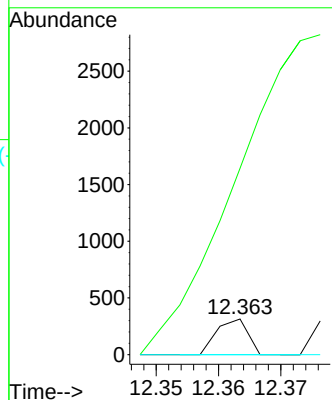
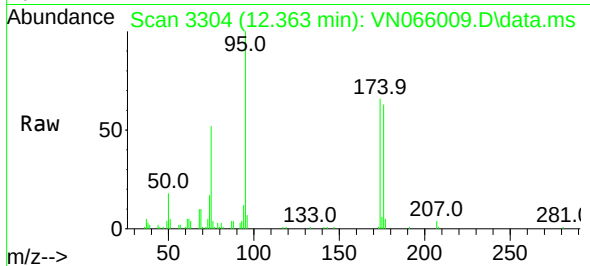




#71
Bromoform
Concen: 2.61 ug/l
RT: 12.363 min Scan# 3304
Delta R.T. 0.266 min
Lab File: VN066009.D
Acq: 24 Feb 2021 17:16

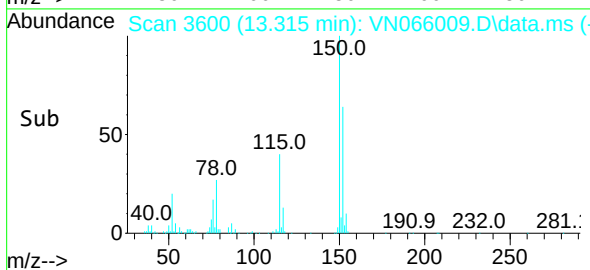
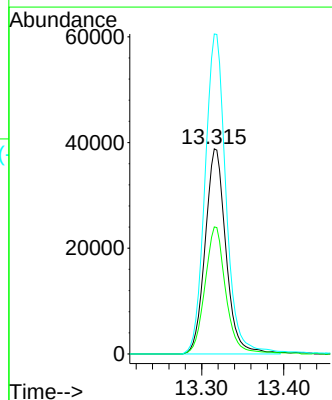
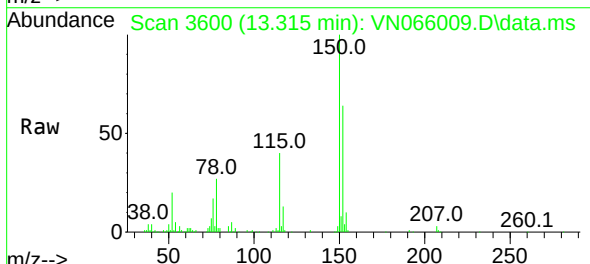
Instrument :
MSVOA_N
ClientSampleId :
BP-TT-VPB-RW6-EB-20210223

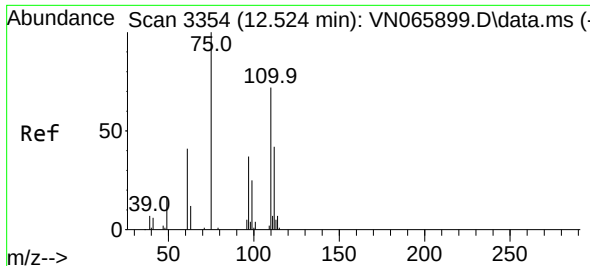
Tgt Ion:173 Resp: 109
Ion Ratio Lower Upper
173 100
175 0.0 23.8 71.2#
254 0.0 0.0 0.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 13.315 min Scan# 3600
Delta R.T. 0.003 min
Lab File: VN066009.D
Acq: 24 Feb 2021 17:16

Tgt Ion:152 Resp: 68255
Ion Ratio Lower Upper
152 100
115 62.5 28.5 85.6
150 158.6 0.0 347.6

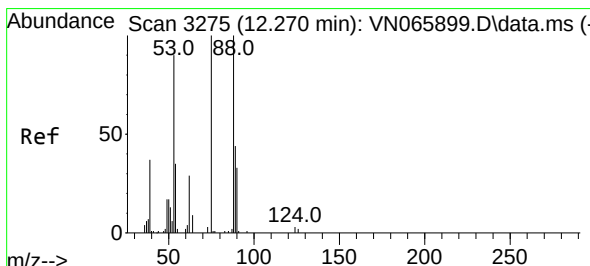
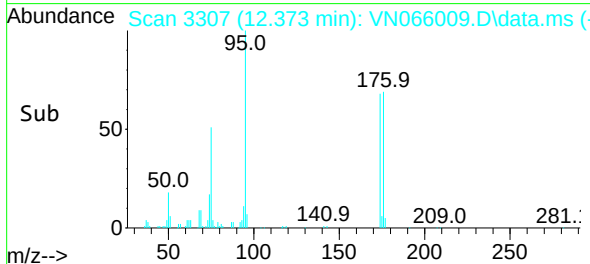
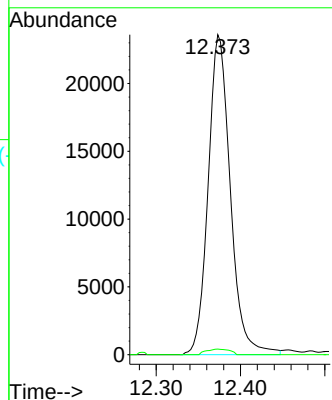
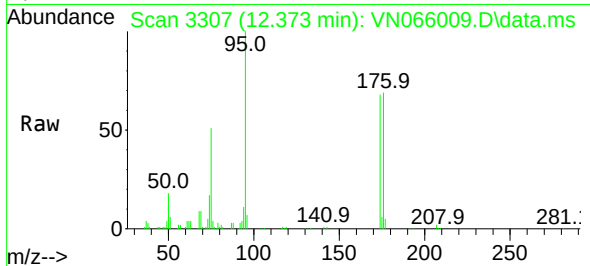




#76
1,2,3-Trichloropropane
Concen: 26.32 ug/l
RT: 12.373 min Scan# 3307
Delta R.T. -0.151 min
Lab File: VN066009.D
Acq: 24 Feb 2021 17:16

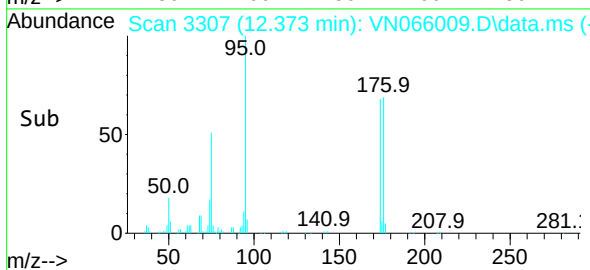
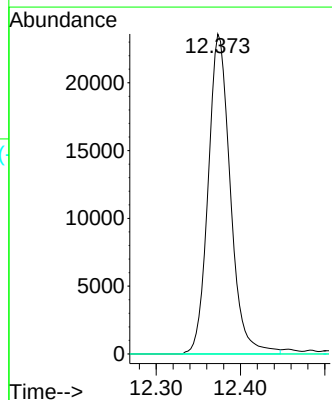
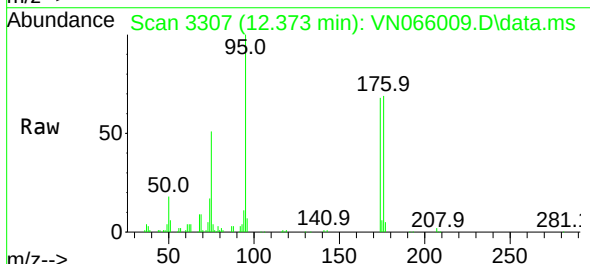
Instrument :
MSVOA_N
ClientSampleId :
BP-TT-VPB-RW6-EB-20210223

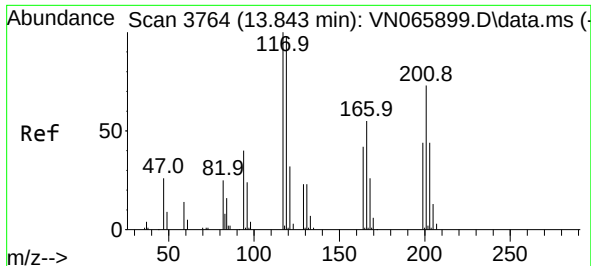
Tgt Ion: 75 Resp: 43163
Ion Ratio Lower Upper
75 100
77 1.8 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 83.89 ug/l
RT: 12.373 min Scan# 3307
Delta R.T. 0.103 min
Lab File: VN066009.D
Acq: 24 Feb 2021 17:16

Tgt Ion: 75 Resp: 43163
Ion Ratio Lower Upper
75 100
53 0.0 74.6 111.8#
89 0.0 35.8 53.8#

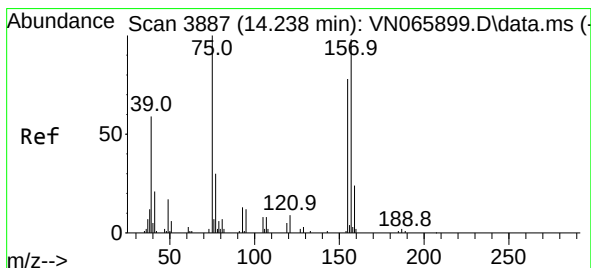
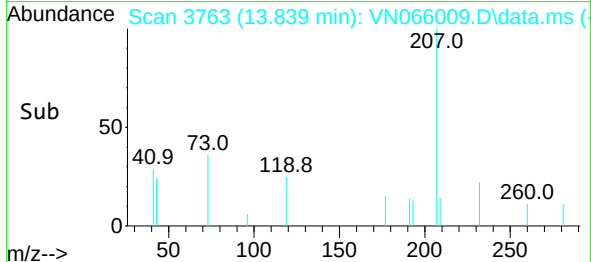
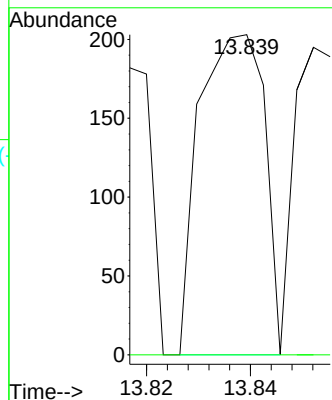
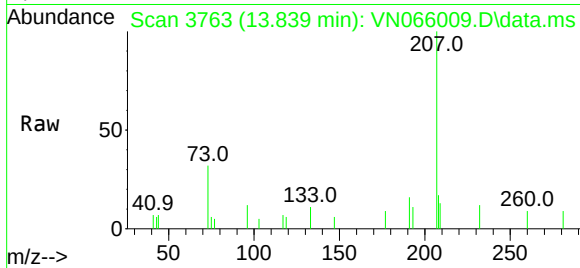




#90
Hexachloroethane
Concen: 0.23 ug/l
RT: 13.839 min Scan# 3763
Delta R.T. -0.004 min
Lab File: VN066009.D
Acq: 24 Feb 2021 17:16

Instrument :
MSVOA_N
ClientSampleId :
BP-TT-VPB-RW6-EB-20210223

Tgt Ion:117 Resp: 176
Ion Ratio Lower Upper
117 100
201 0.0 37.8 113.3#



#92
1,2-Dibromo-3-Chloropropane
Concen: 2.12 ug/l
RT: 14.273 min Scan# 3898
Delta R.T. 0.035 min
Lab File: VN066009.D
Acq: 24 Feb 2021 17:16

Tgt Ion: 75 Resp: 419
Ion Ratio Lower Upper
75 100
155 0.0 44.1 132.4#
157 0.0 56.0 168.2#

