

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN033021\
 Data File : VN066426.D
 Acq On : 30 Mar 2021 17:42
 Operator : JC/MD
 Sample : M1869-02
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 TT-029-IDWGW-20210329

Quant Time: Mar 31 02:55:01 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N032421W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Thu Mar 25 05:52:50 2021
 Response via : Initial Calibration

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

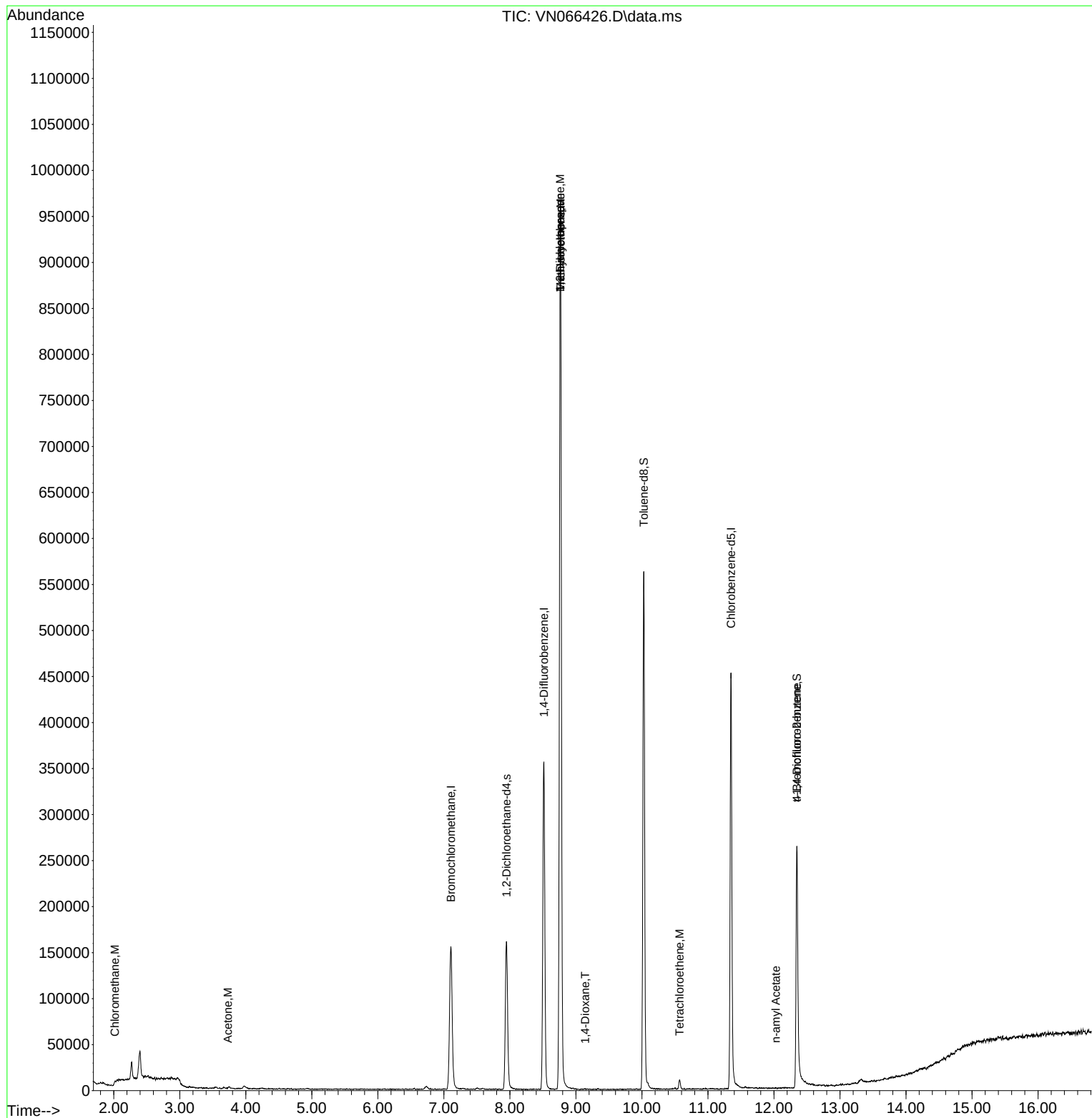
Internal Standards						
1) Bromochloromethane	7.107	128	62313	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	8.515	114	317847	30.00	ug/l	0.00
57) Chlorobenzene-d5	11.350	117	276216	30.00	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	7.949	65	140435	29.32	ug/l	0.00
Spiked Amount 30.000	Range	91 - 110	Recovery	=	97.73%	
60) 4-Bromofluorobenzene	12.348	95	102850	23.86	ug/l	0.00
Spiked Amount 30.000	Range	63 - 112	Recovery	=	79.53%	
63) Toluene-d8	10.028	98	392767	30.30	ug/l	0.00
Spiked Amount 30.000	Range	91 - 112	Recovery	=	101.00%	
Target Compounds						Qvalue
3) Chloromethane	2.019	50	1691	0.39	ug/l	97
13) Acrolein	3.537	56	547	Below Cal	#	62
15) Acetone	3.731	58	144	0.24	ug/l #	1
37) Trichloroethene	8.767	130	356859	94.45	ug/l	99
38) Methylcyclohexane	8.765	83	4314	0.73	ug/l #	1
39) 1,2-Dichloropropane	8.762	63	1259	0.32	ug/l #	1
45) 1,4-Dioxane	9.140	88	281	4.60	ug/l #	75
47) n-amyl Acetate	12.031	43	57	6.15	ug/l #	54
61) Tetrachloroethene	10.572	164	2327	0.61	ug/l #	81
77) t-1,4-Dichloro-2-butene	12.348	75	50925	31.94	ug/l #	10

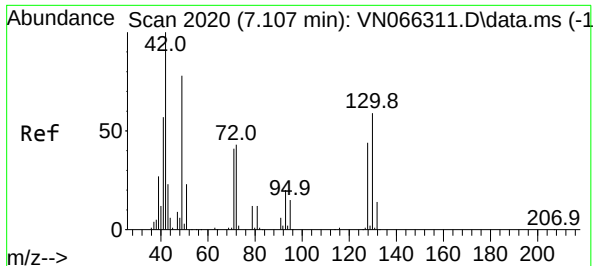
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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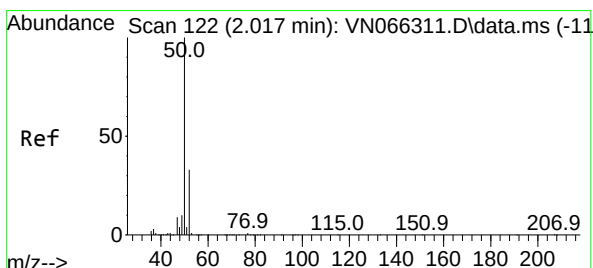
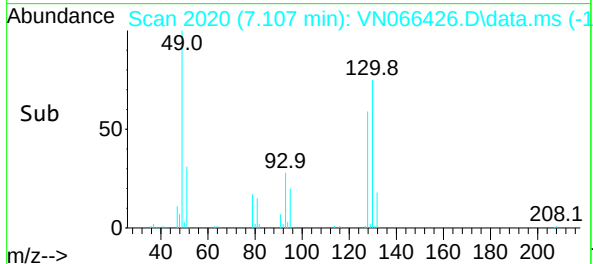
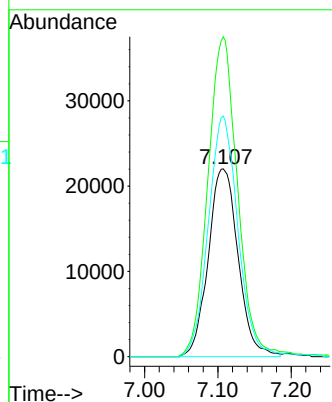
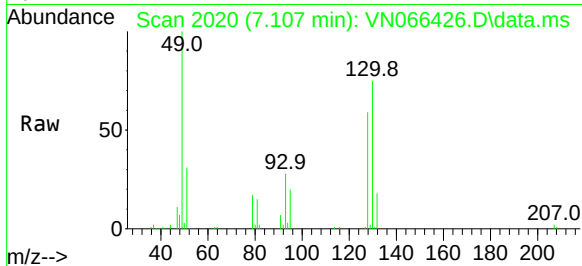




#1
Bromochloromethane
Concen: 30.00 ug/l
RT: 7.107 min Scan# 2020
Delta R.T. 0.000 min
Lab File: VN066426.D
Acq: 30 Mar 2021 17:42

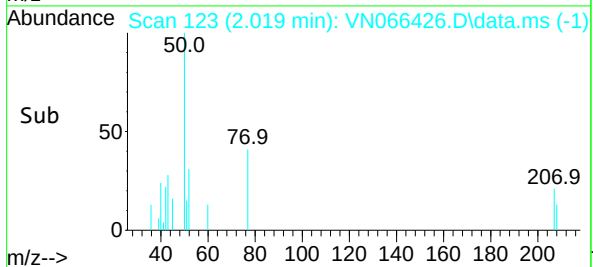
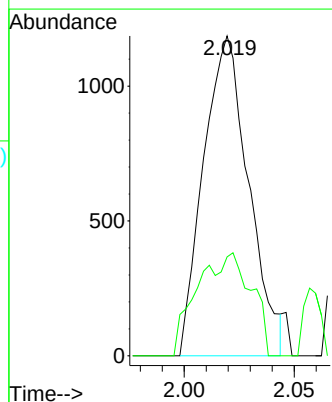
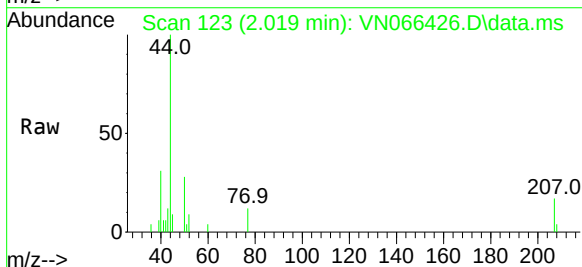
Instrument :
MSVOA_N
ClientSampleId :
TT-029-IDW/GW-20210329

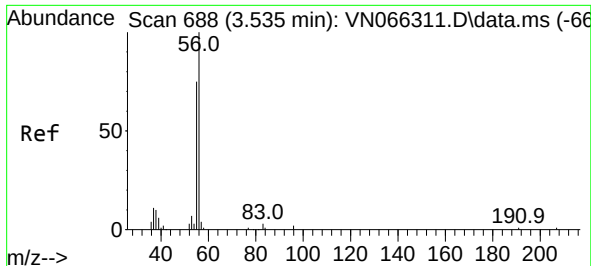
Tgt Ion:128 Resp: 62313
Ion Ratio Lower Upper
128 100
49 167.0 0.0 429.3
130 127.2 0.0 328.5



#3
Chloromethane
Concen: 0.39 ug/l
RT: 2.019 min Scan# 123
Delta R.T. 0.002 min
Lab File: VN066426.D
Acq: 30 Mar 2021 17:42

Tgt Ion: 50 Resp: 1691
Ion Ratio Lower Upper
50 100
52 30.9 26.2 39.4

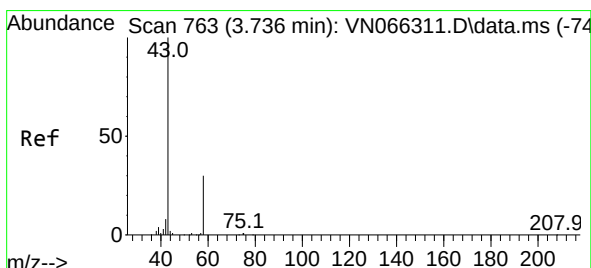
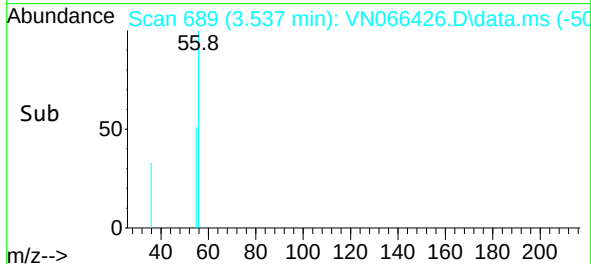
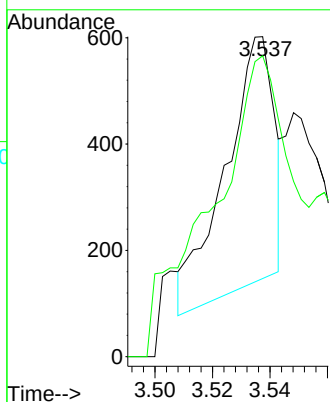
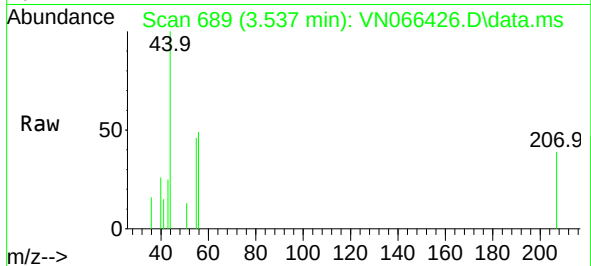




#13
Acrolein
Concen: Below Cal
RT: 3.537 min Scan# 689
Delta R.T. 0.002 min
Lab File: VN066426.D
Acq: 30 Mar 2021 17:42

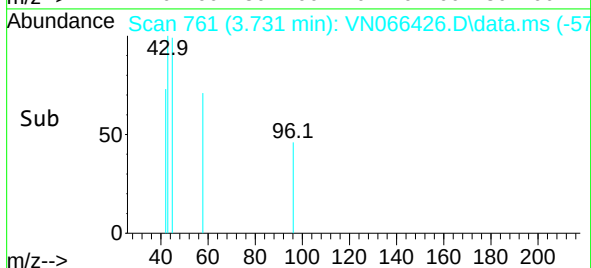
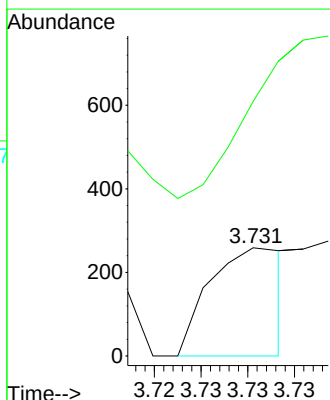
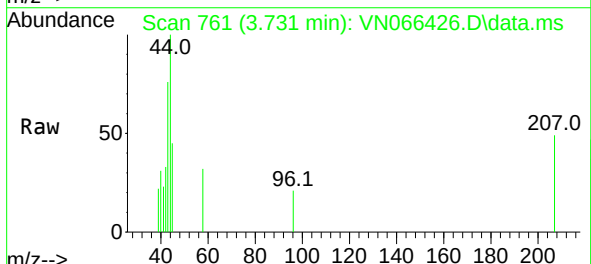
Instrument :
MSVOA_N
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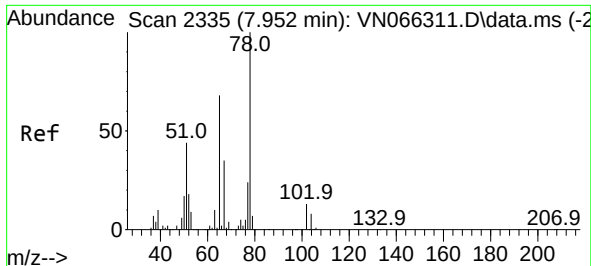
Tgt Ion: 56 Resp: 547
Ion Ratio Lower Upper
56 100
55 98.4 54.1 81.1#



#15
Acetone
Concen: 0.24 ug/l
RT: 3.731 min Scan# 761
Delta R.T. -0.005 min
Lab File: VN066426.D
Acq: 30 Mar 2021 17:42

Tgt Ion: 58 Resp: 144
Ion Ratio Lower Upper
58 100
43 89.6 267.3 400.9#





#27

1,2-Dichloroethane-d4

Concen: 29.32 ug/l

RT: 7.949 min Scan# 2334

Delta R.T. -0.003 min

Lab File: VN066426.D

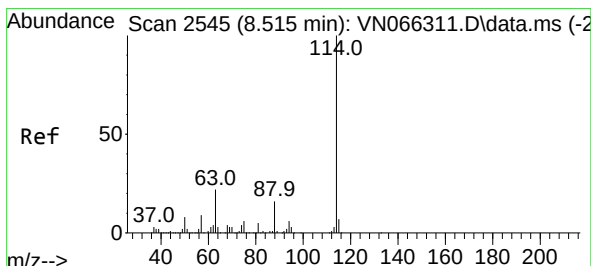
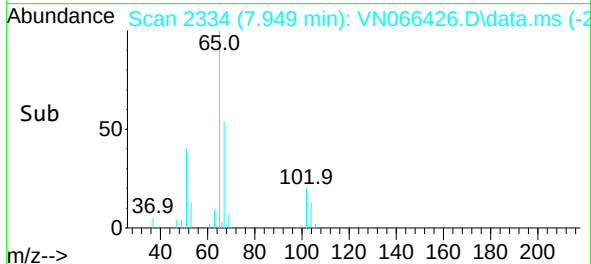
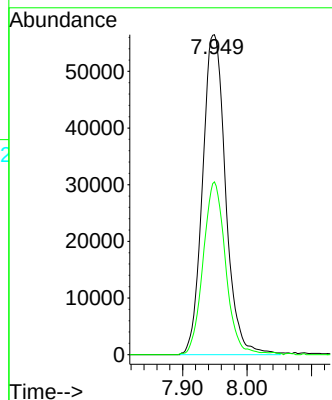
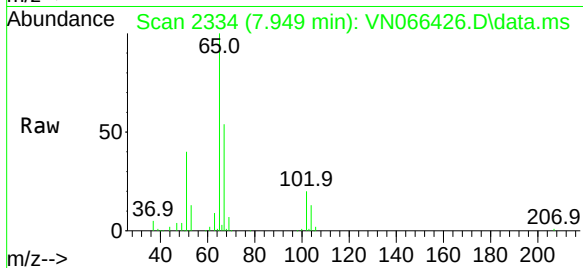
Acq: 30 Mar 2021 17:42

Tgt Ion: 65 Resp: 140435

Ion Ratio Lower Upper

65 100

67 52.4 42.2 63.4



#28

1,4-Difluorobenzene

Concen: 30.00 ug/l

RT: 8.515 min Scan# 2545

Delta R.T. 0.000 min

Lab File: VN066426.D

Acq: 30 Mar 2021 17:42

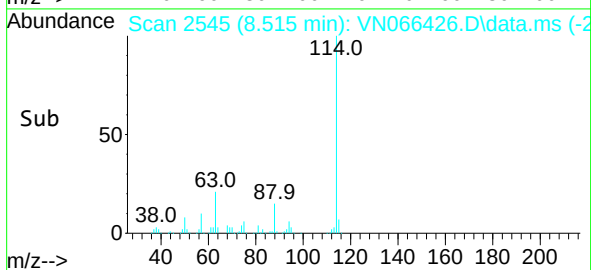
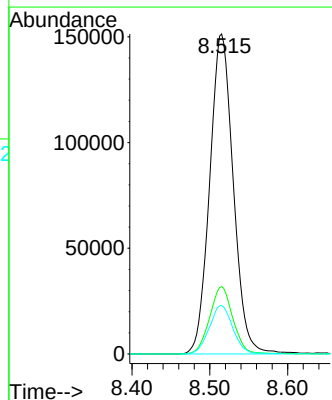
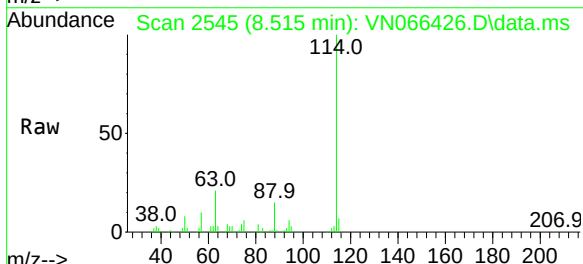
Tgt Ion: 114 Resp: 317847

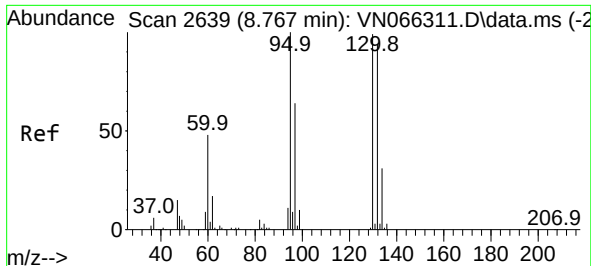
Ion Ratio Lower Upper

114 100

63 20.7 17.4 26.0

88 15.0 12.6 19.0

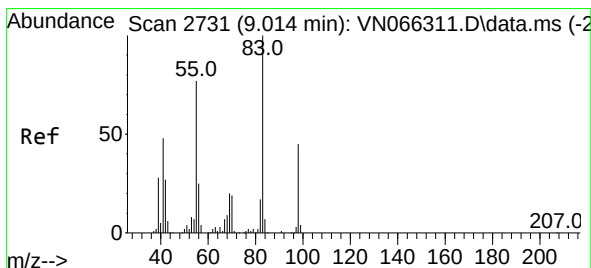
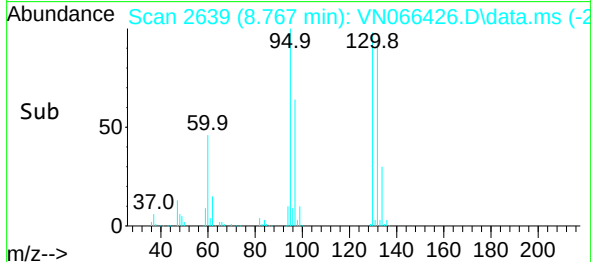
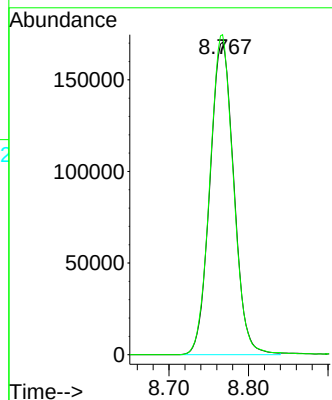
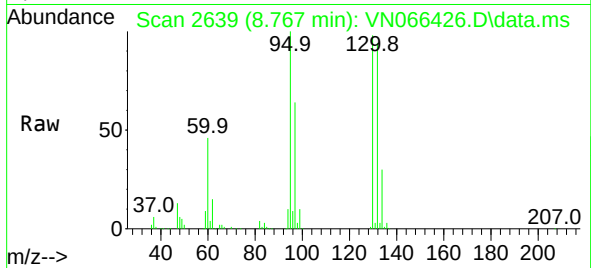




#37
Trichloroethene
Concen: 94.45 ug/l
RT: 8.767 min Scan# 2639
Delta R.T. 0.000 min
Lab File: VN066426.D
Acq: 30 Mar 2021 17:42

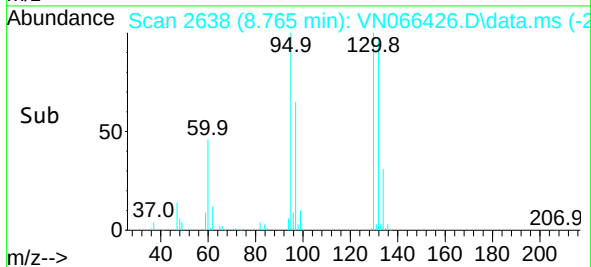
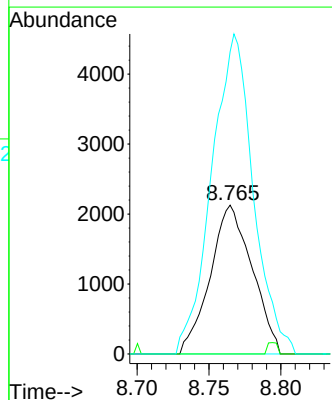
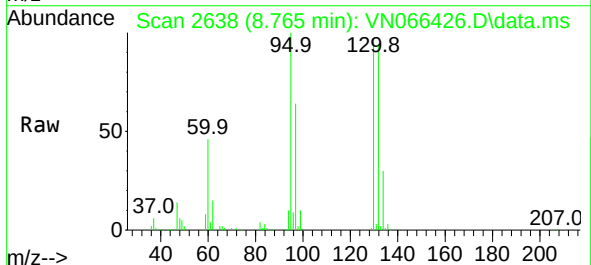
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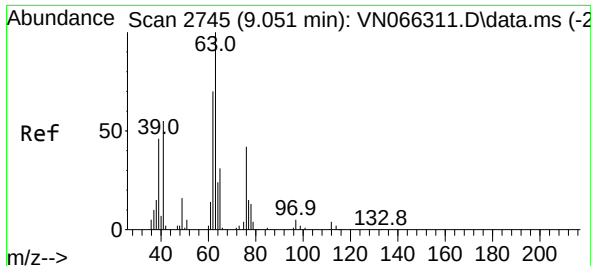
Tgt Ion:130 Resp: 356859
Ion Ratio Lower Upper
130 100
95 102.4 80.7 121.1



#38
Methylcyclohexane
Concen: 0.73 ug/l
RT: 8.765 min Scan# 2638
Delta R.T. -0.249 min
Lab File: VN066426.D
Acq: 30 Mar 2021 17:42

Tgt Ion: 83 Resp: 4314
Ion Ratio Lower Upper
83 100
55 1.8 38.8 116.3#
98 213.4 22.2 66.6#



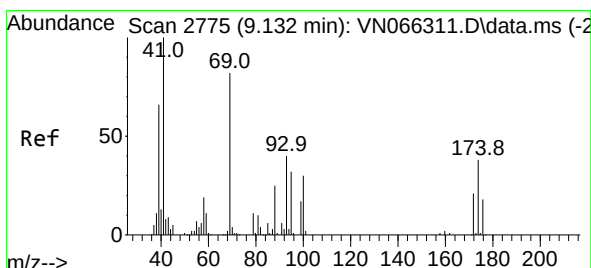
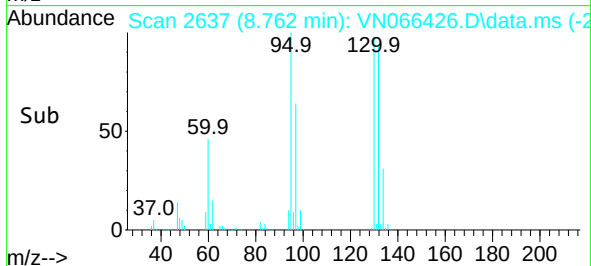
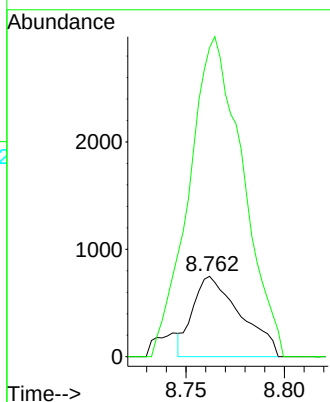
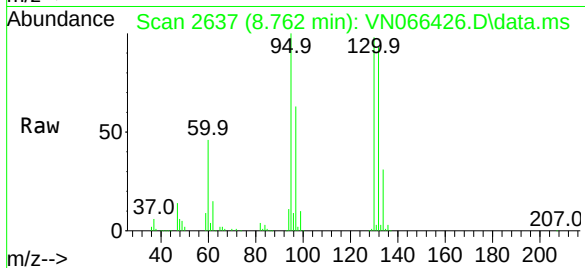


#39

1,2-Dichloropropane
Concen: 0.32 ug/l
RT: 8.762 min Scan# 2637
Delta R.T. -0.289 min
Lab File: VN066426.D
Acq: 30 Mar 2021 17:42

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ClientSampleId :
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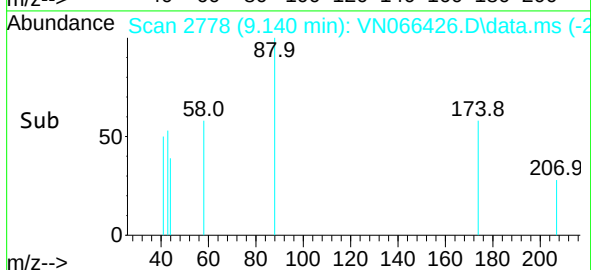
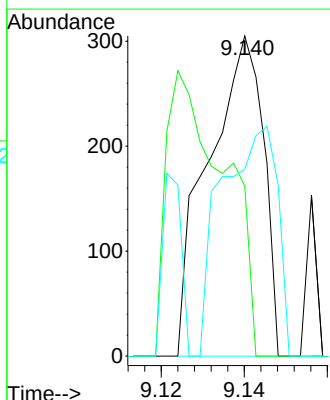
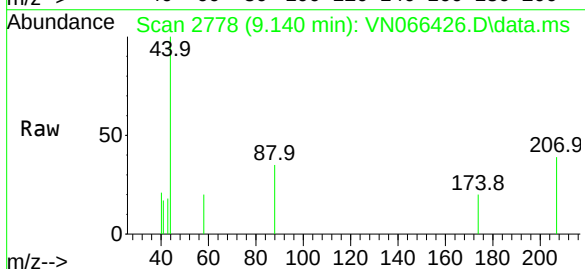
Tgt Ion: 63 Resp: 1259
Ion Ratio Lower Upper
63 100
65 351.8 24.9 37.3#

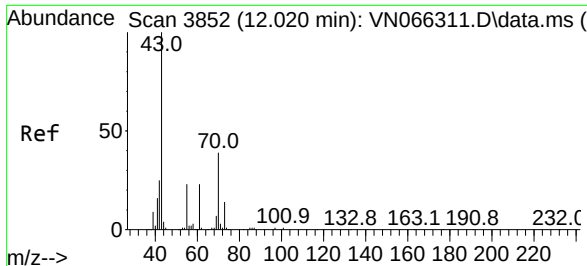


#45

1,4-Dioxane
Concen: 4.60 ug/l
RT: 9.140 min Scan# 2778
Delta R.T. 0.008 min
Lab File: VN066426.D
Acq: 30 Mar 2021 17:42

Tgt Ion: 88 Resp: 281
Ion Ratio Lower Upper
88 100
43 29.9 27.0 40.4
58 44.1 57.9 86.9#

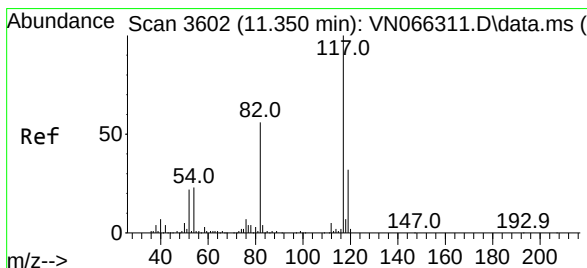
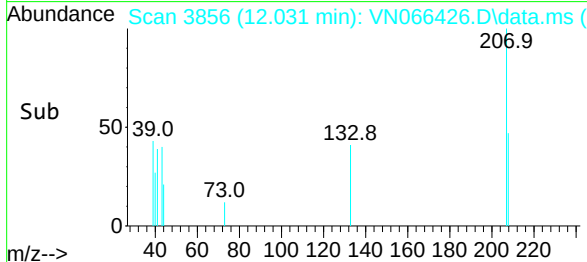
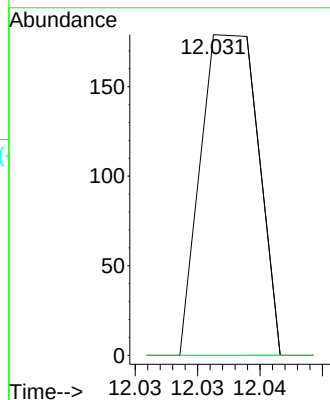
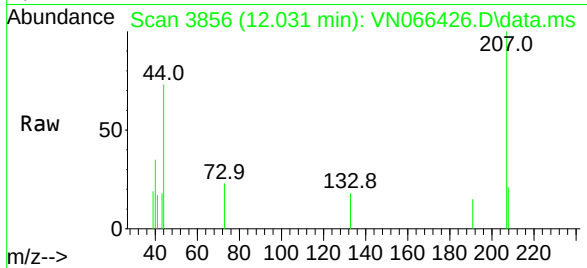




#47
n-amy1 Acetate
Concen: 6.15 ug/l
RT: 12.031 min Scan# 3856
Delta R.T. 0.011 min
Lab File: VN066426.D
Acq: 30 Mar 2021 17:42

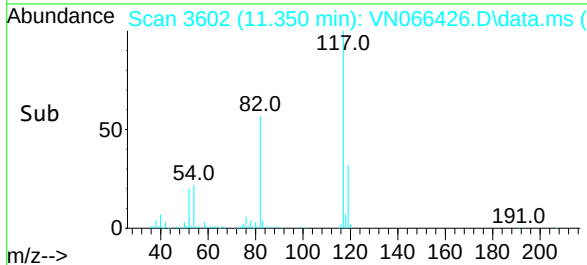
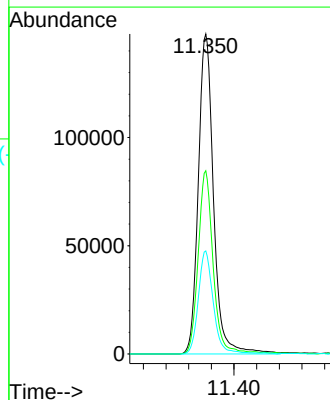
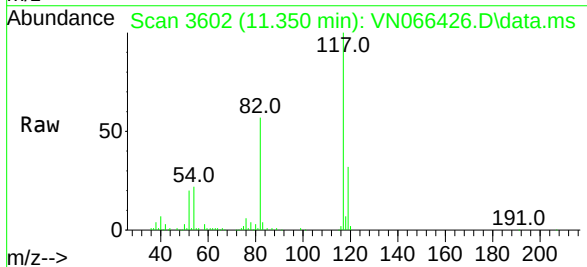
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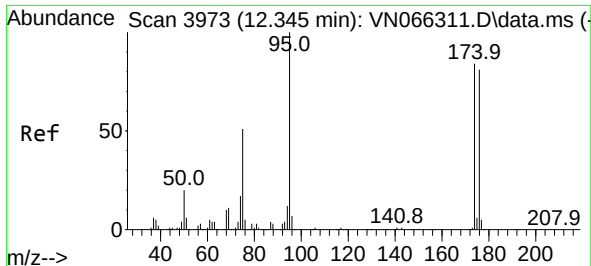
Tgt Ion: 43 Resp: 57
Ion Ratio Lower Upper
43 100
55 0.0 17.7 26.5#



#57
Chlorobenzene-d5
Concen: 30.00 ug/l
RT: 11.350 min Scan# 3602
Delta R.T. 0.000 min
Lab File: VN066426.D
Acq: 30 Mar 2021 17:42

Tgt Ion:117 Resp: 276216
Ion Ratio Lower Upper
117 100
82 55.4 45.0 67.6
119 31.3 25.5 38.3

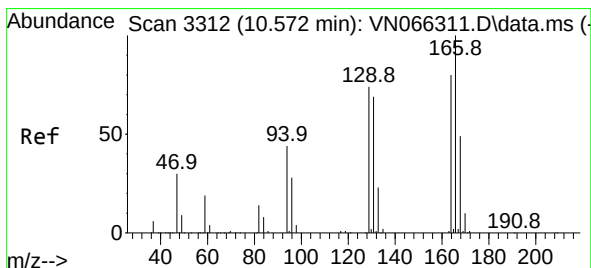
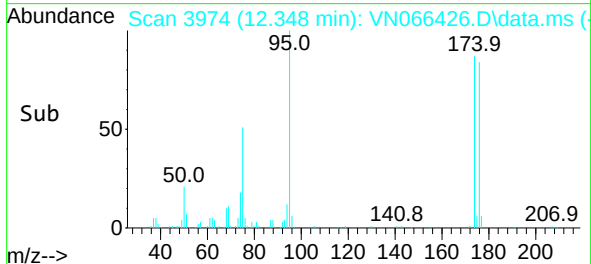
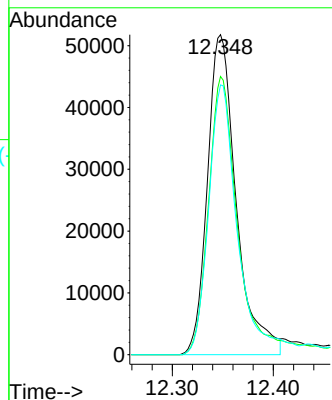
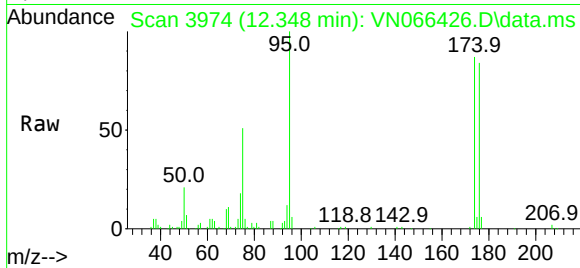




#60
4-Bromofluorobenzene
Concen: 23.86 ug/l
RT: 12.348 min Scan# 3974
Delta R.T. 0.003 min
Lab File: VN066426.D
Acq: 30 Mar 2021 17:42

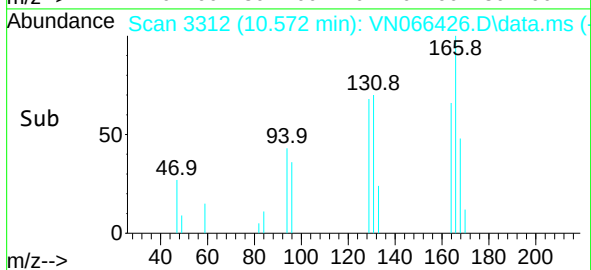
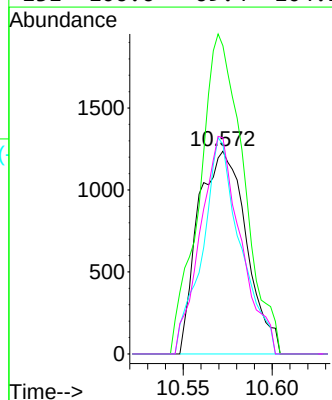
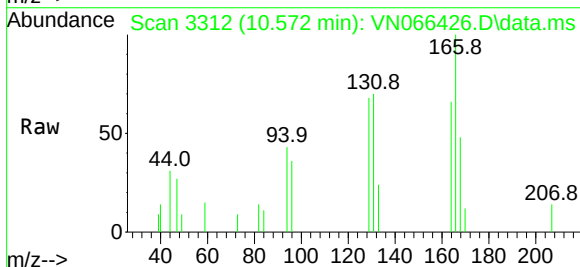
Instrument :
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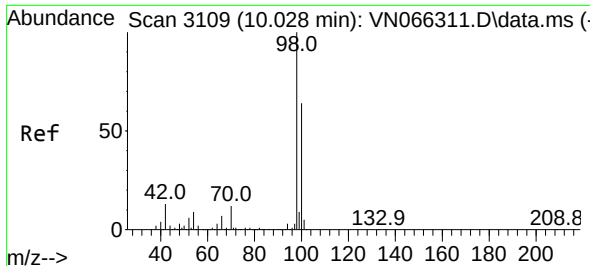
Tgt Ion: 95 Resp: 102850
Ion Ratio Lower Upper
95 100
174 89.2 68.1 102.1
176 85.0 65.4 98.0



#61
Tetrachloroethene
Concen: 0.61 ug/l
RT: 10.572 min Scan# 3312
Delta R.T. 0.000 min
Lab File: VN066426.D
Acq: 30 Mar 2021 17:42

Tgt Ion:164 Resp: 2327
Ion Ratio Lower Upper
164 100
166 152.1 100.5 150.7#
129 103.3 74.7 112.1
131 106.6 69.4 104.2#

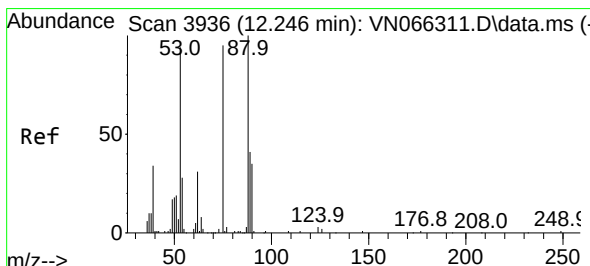
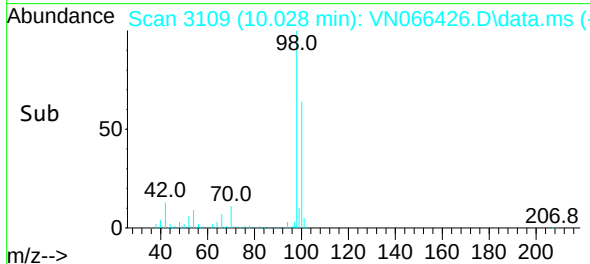
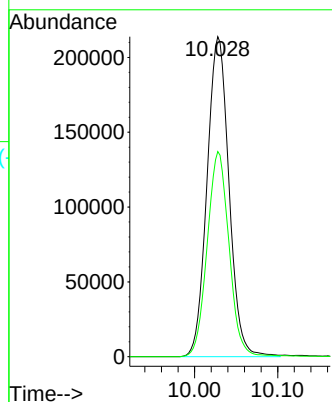
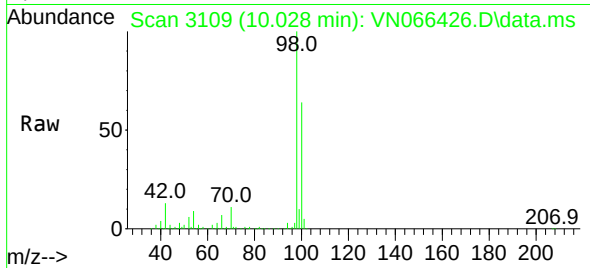




#63
Toluene-d8
Concen: 30.30 ug/l
RT: 10.028 min Scan# 3109
Delta R.T. -0.000 min
Lab File: VN066426.D
Acq: 30 Mar 2021 17:42

Instrument :
MSVOA_N
ClientSampleId :
TT-029-IDWGW-20210329

Tgt Ion: 98 Resp: 392767
Ion Ratio Lower Upper
98 100
100 63.5 51.1 76.7



#77
t-1,4-Dichloro-2-butene
Concen: 31.94 ug/l
RT: 12.348 min Scan# 3974
Delta R.T. 0.102 min
Lab File: VN066426.D
Acq: 30 Mar 2021 17:42

Tgt Ion: 75 Resp: 50925
Ion Ratio Lower Upper
75 100
53 0.0 49.6 149.0#
89 0.0 22.9 68.7#

