

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN102020\
 Data File : VN064204.D
 Acq On : 20 Oct 2020 18:41
 Operator : JC/MD
 Sample : L4473-04
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 TT-021-IDW/GW-20201019

Quant Time: Oct 21 05:15:40 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA N\METHODS\624N102020W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Tue Oct 20 11:51:57 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	7.15	128	48201	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	8.55	114	276799	30.00	ug/l	0.00
57) Chlorobenzene-d5	11.38	117	241991	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	7.99	65	132300	33.52	ug/l	0.00
Spiked Amount 30.000	Range 50 - 169		Recovery	=	111.73%	
60) 4-Bromofluorobenzene	12.38	95	123908	28.57	ug/l	0.00
Spiked Amount 30.000	Range 56 - 143		Recovery	=	95.23%	
63) Toluene-d8	10.06	98	329473	30.07	ug/l	0.00
Spiked Amount 30.000	Range 66 - 137		Recovery	=	100.23%	

Target Compounds

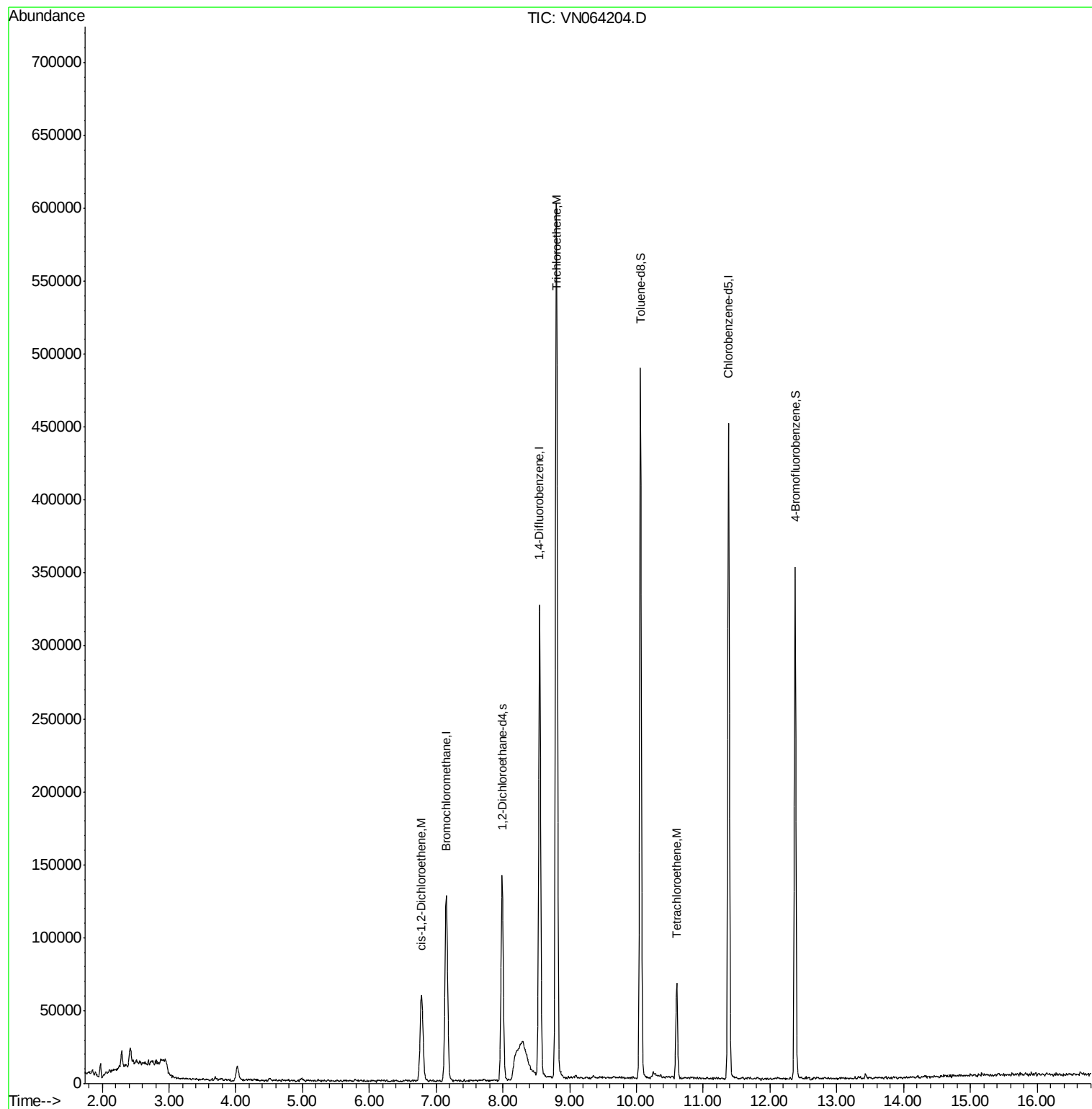
					Ovalue
22) cis-1,2-Dichloroethene	6.79	96	32266	9.303 ug/l	88
37) Trichloroethene	8.80	130	213518	60.582 ug/l	96
61) Tetrachloroethene	10.60	164	14540	4.457 ug/l	97

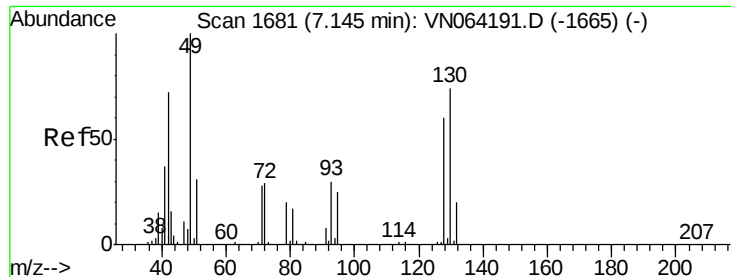
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Bromochloromethane

Concen: 30.000 ug/l

RT: 7.15 min Scan# 1683

Delta R.T. 0.01 min

Lab File: VN064204.D

Acq: 20 Oct 2020 18:41

Instrument :

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TT-021-IDW/GW-20201019

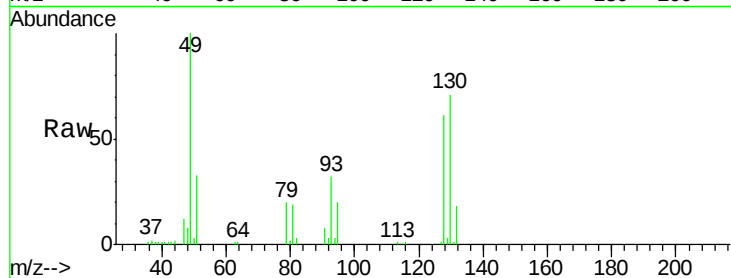
Tot Ion:128 Resp: 48201

Ion Ratio Lower Upper

128 100

49 177.1 0.0 433.3

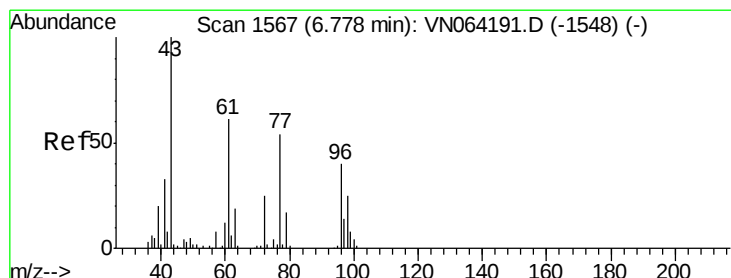
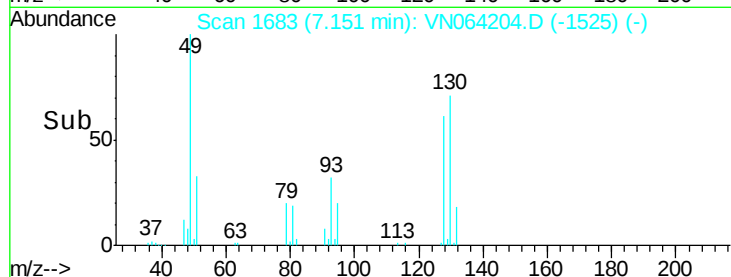
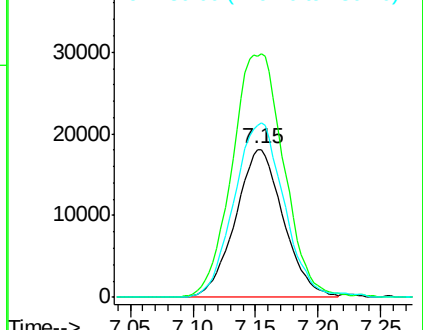
130 122.5 0.0 322.5



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 49.00 (48.70 to 49.70): VN0

Ion 130.00 (129.70 to 130.70): V



#22

cis-1,2-Dichloroethene

Concen: 9.303 ug/l

RT: 6.79 min Scan# 1570

Delta R.T. 0.01 min

Lab File: VN064204.D

Acq: 20 Oct 2020 18:41

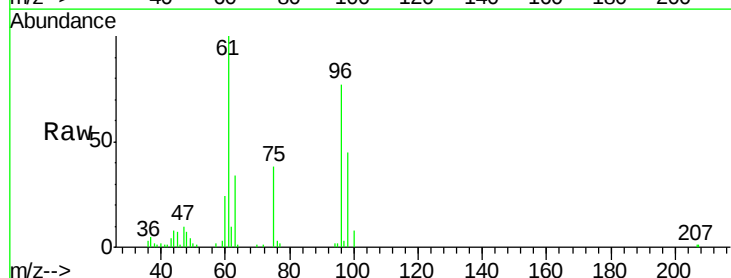
Tgt Ion: 96 Resp: 32266

Ion Ratio Lower Upper

96 100

61 135.8 126.2 189.4

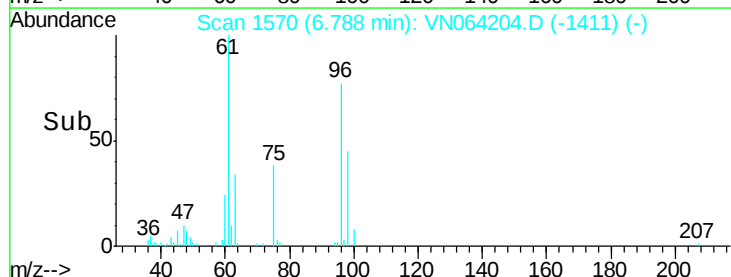
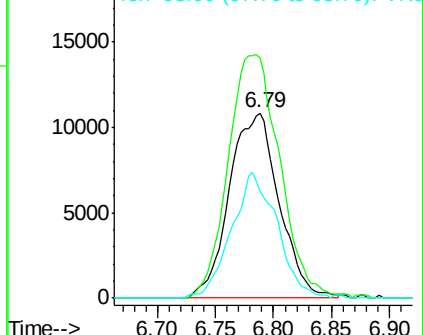
98 62.2 50.2 75.4

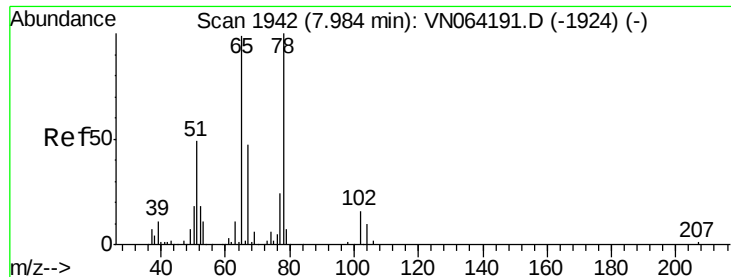


Abundance Ion 96.00 (95.70 to 96.70): VN0

Ion 61.00 (60.70 to 61.70): VN0

Ion 98.00 (97.70 to 98.70): VN0

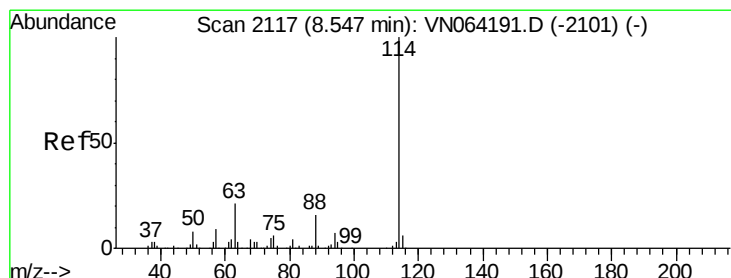
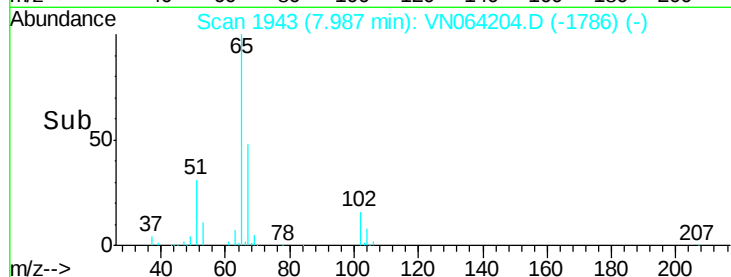
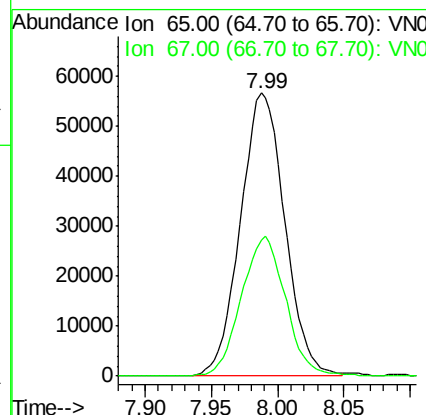
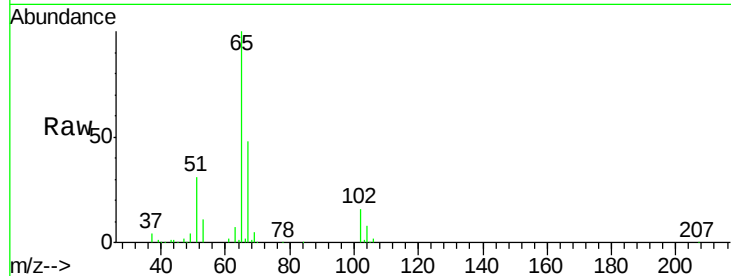




#27
 1,2-Dichloroethane-d4
 Concen: 33.525 ug/l
 RT: 7.99 min Scan# 1943
 Delta R.T. 0.00 min
 Lab File: VN064204.D
 Acq: 20 Oct 2020 18:41

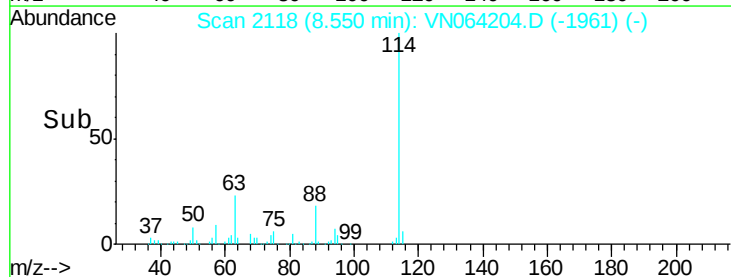
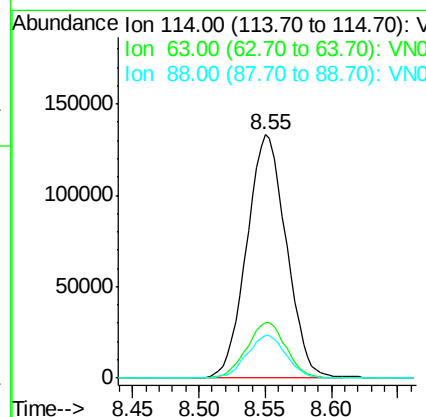
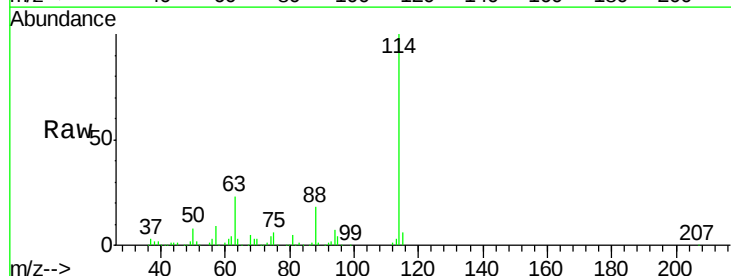
Instrument :
 MSVOA_N
 ClientSampleId :
 TT-021-IDW/GW-20201019

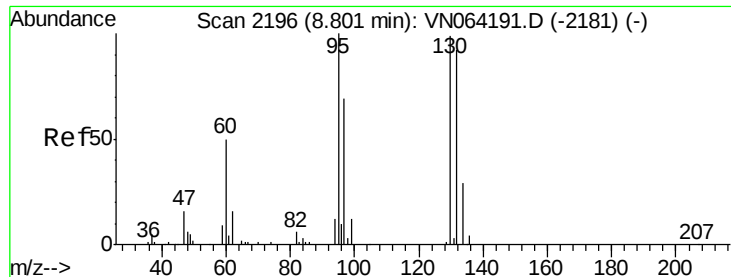
Tot Ion: 65 Resp: 132300
 Ion Ratio Lower Upper
 65 100
 67 49.2 39.8 59.6



#28
 1,4-Difluorobenzene
 Concen: 30.000 ug/l
 RT: 8.55 min Scan# 2118
 Delta R.T. 0.00 min
 Lab File: VN064204.D
 Acq: 20 Oct 2020 18:41

Tgt Ion: 114 Resp: 276799
 Ion Ratio Lower Upper
 114 100
 63 22.8 17.0 25.4
 88 17.4 13.0 19.4

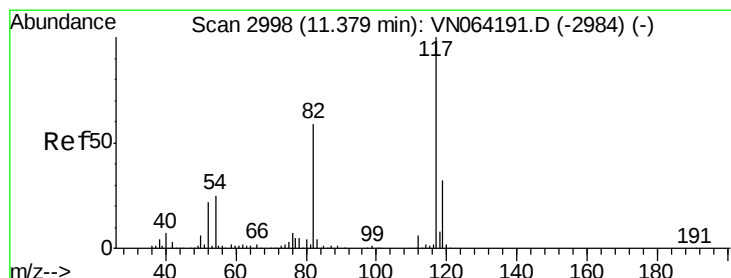
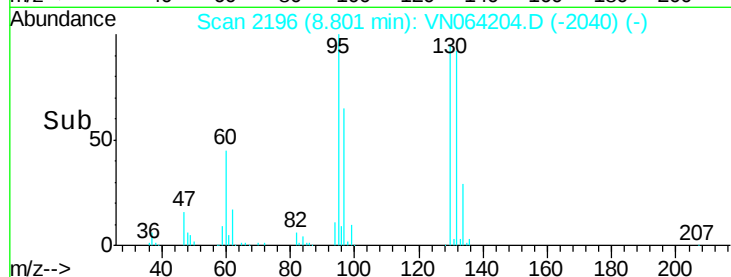
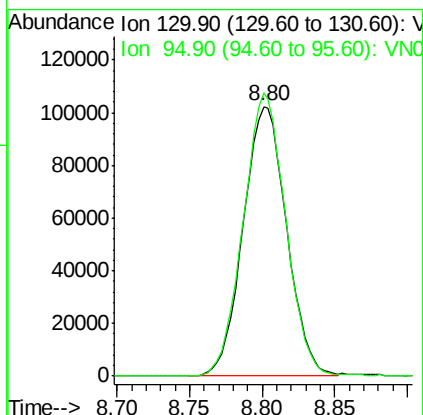
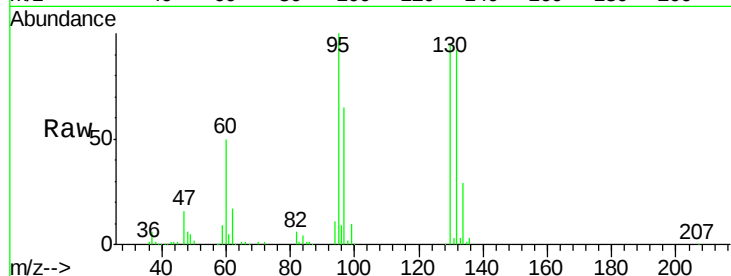




#37
 Trichloroethene
 Concen: 60.582 ug/l
 RT: 8.80 min Scan# 2196
 Delta R.T. 0.00 min
 Lab File: VN064204.D
 Acq: 20 Oct 2020 18:41

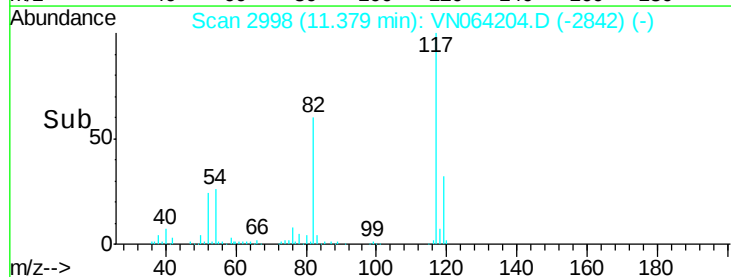
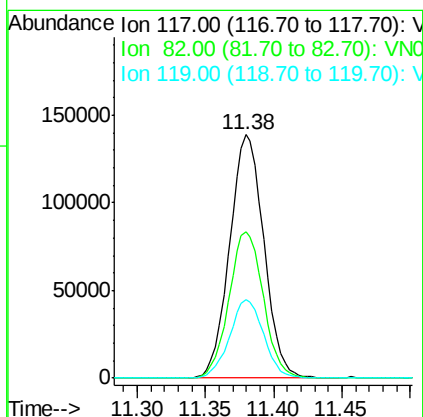
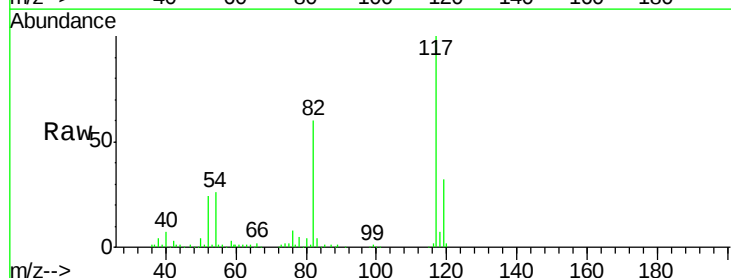
Instrument :
 MSVOA_N
 ClientSampleId :
 TT-021-IDW/GW-20201019

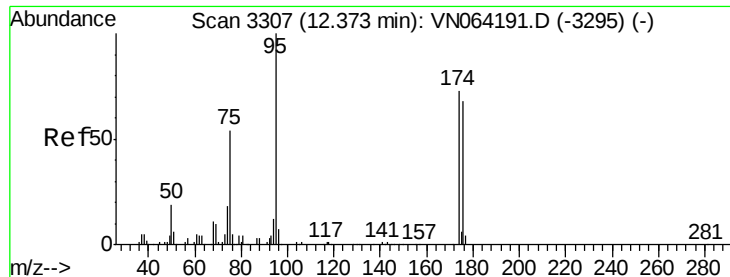
Tot Ion:130 Resp: 213518
 Ion Ratio Lower Upper
 130 100
 95 105.1 81.0 121.4



#57
 Chlorobenzene-d5
 Concen: 30.000 ug/l
 RT: 11.38 min Scan# 2998
 Delta R.T. 0.00 min
 Lab File: VN064204.D
 Acq: 20 Oct 2020 18:41

Tgt Ion:117 Resp: 241991
 Ion Ratio Lower Upper
 117 100
 82 60.5 47.8 71.8
 119 32.1 25.7 38.5

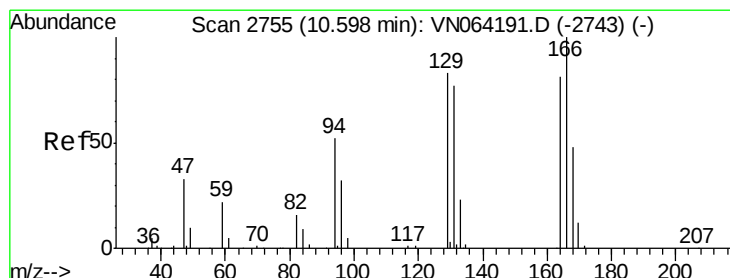
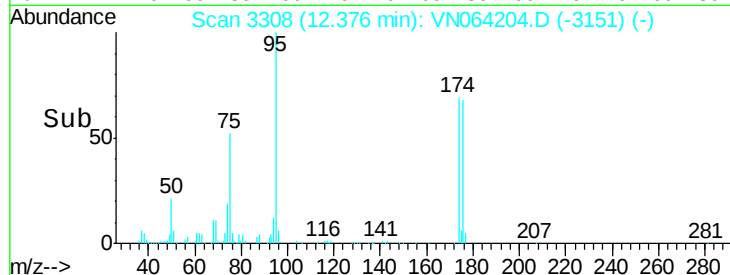
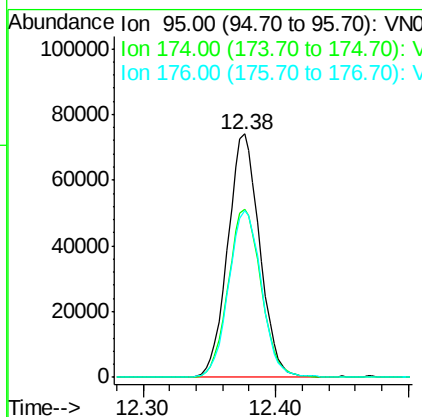
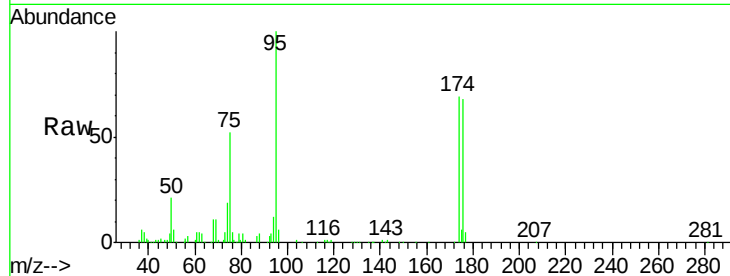




#60
4-Bromofluorobenzene
Concen: 28.573 ug/l
RT: 12.38 min Scan# 3308
Delta R.T. 0.00 min
Lab File: VN064204.D
Acq: 20 Oct 2020 18:41

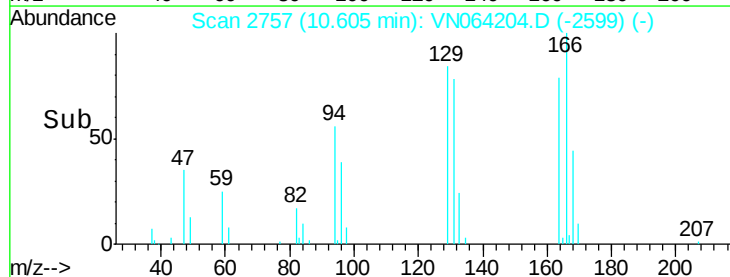
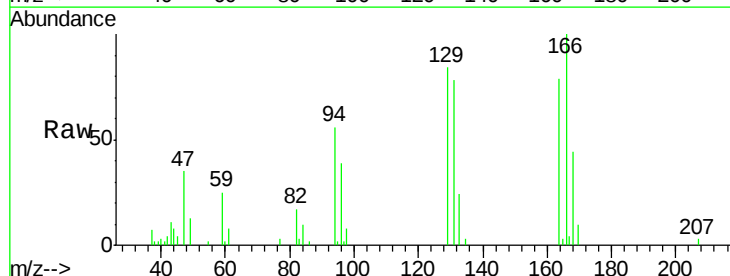
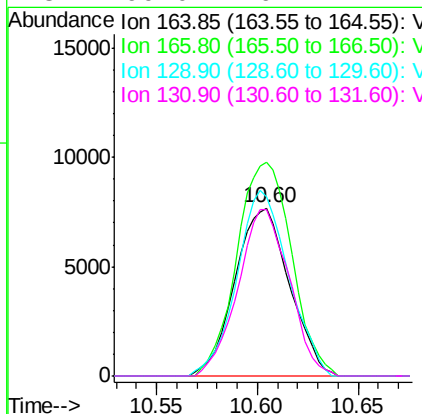
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MSVOA_N
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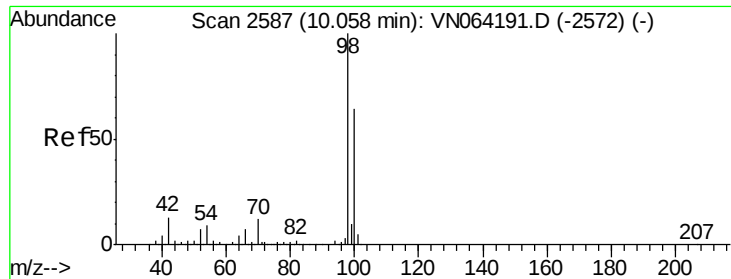
Tot Ion	95	Resp	123908
Ion Ratio	Lower	Upper	
95	100		
174	71.7	57.6	86.4
176	70.2	54.9	82.3



#61
Tetrachloroethene
Concen: 4.457 ug/l
RT: 10.60 min Scan# 2757
Delta R.T. 0.01 min
Lab File: VN064204.D
Acq: 20 Oct 2020 18:41

Tgt Ion	164	Resp	14540
Ion Ratio	Lower	Upper	
164	100		
166	127.3	99.2	148.8
129	107.2	82.8	124.2
131	99.0	76.2	114.4





#63

Toluene-d8

Concen: 30.073 ug/l

RT: 10.06 min Scan# 2588

Delta R.T. 0.00 min

Lab File: VN064204.D

Acq: 20 Oct 2020 18:41

Instrument :

MSVOA_N

ClientSampleId :

TT-021-IDW/GW-20201019

Tot Ion: 98 Resp: 329473

Ion Ratio Lower Upper

98 100

100 64.4 51.4 77.2

