

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 :

Quant Time: Oct 21 04:50:14 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

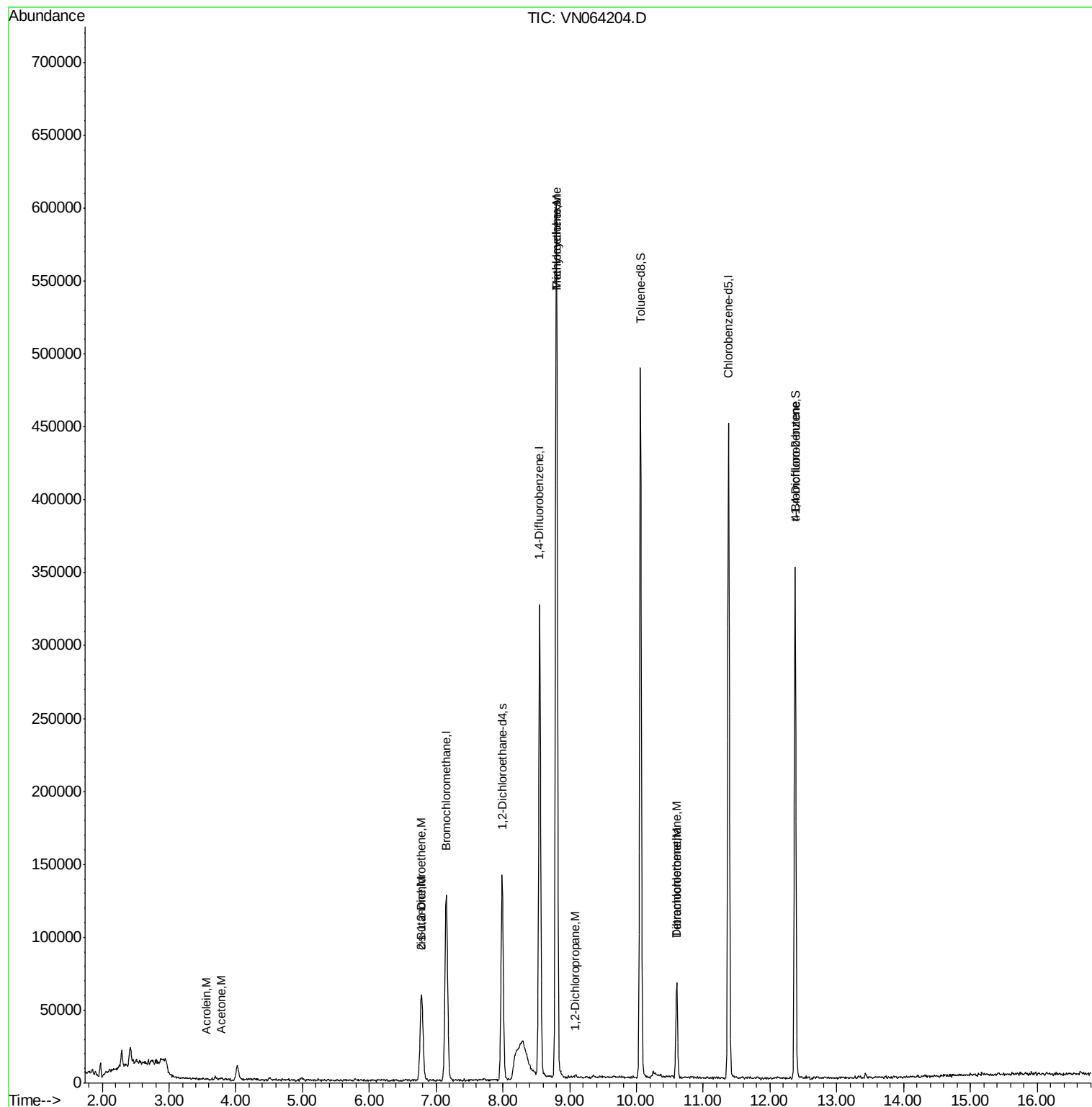
					Ovalue	
13) Acrolein	3.55	56	111	0.350	ug/l #	1
15) Acetone	3.77	58	246	0.780	ug/l #	1
22) cis-1,2-Dichloroethene	6.79	96	32266	9.303	ug/l	88
30) 2-Butanone	6.79	43	628	0.331	ug/l #	38
37) Trichloroethene	8.80	130	213518	60.582	ug/l	96
38) Methylcyclohexane	8.80	83	3082	0.701	ug/l #	11
39) 1,2-Dichloropropane	9.09	63	755	0.221	ug/l #	42
53) Dibromochloromethane	10.60	129	15215	3.796	ug/l #	10
61) Tetrachloroethene	10.60	164	14540	4.457	ug/l	97
77) t-1,4-Dichloro-2-butene	12.38	75	64725	38.187	ug/l #	8

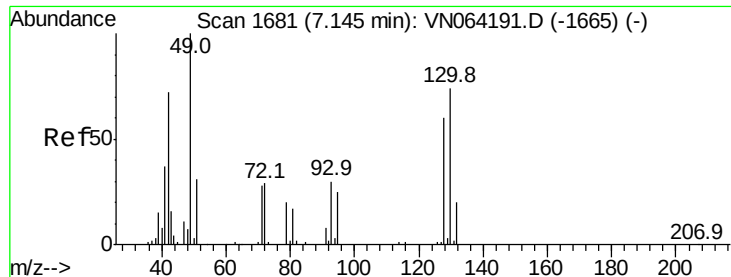
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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MSVOA_N
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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA N\METHODS\624N102020W.M
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QLast Update : Tue Oct 20 11:51:57 2020
Response via : Initial Calibration





#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 :
MSVOA_N
ClientSampleId :

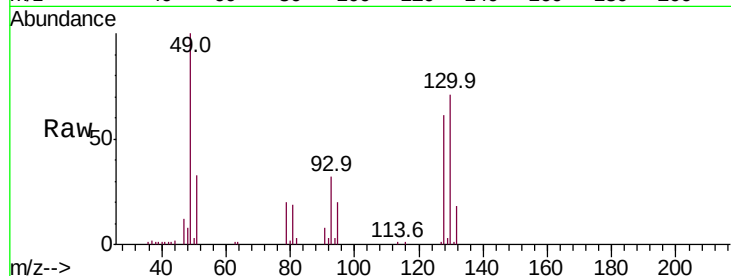
Tot Ion:128 Resp: 48201

Ion Ratio Lower Upper

128 100

49 177.1 0.0 433.3

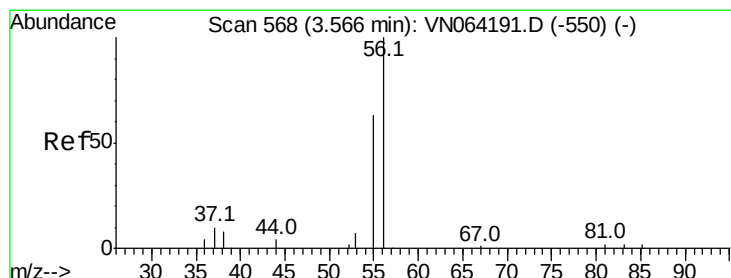
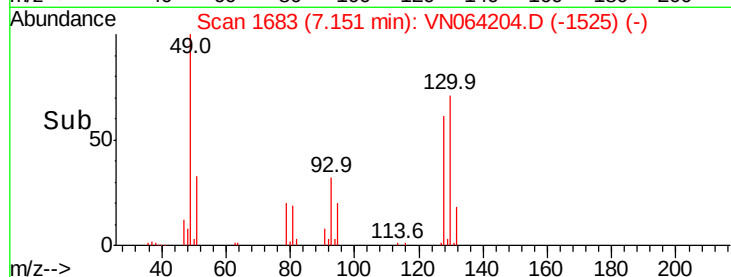
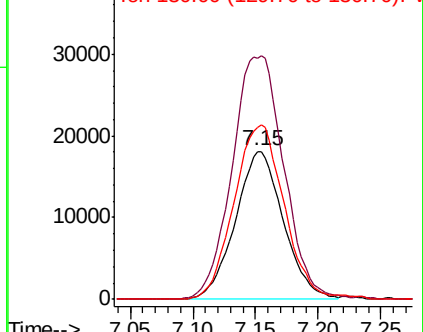
130 122.5 0.0 322.5



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



#13

Acrolein

Concen: 0.350 ug/l

RT: 3.55 min Scan# 562

Delta R.T. -0.02 min

Lab File: VN064204.D

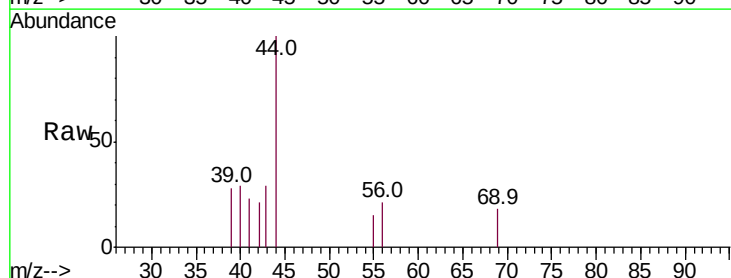
Acq: 20 Oct 2020 18:41

Tgt Ion: 56 Resp: 111

Ion Ratio Lower Upper

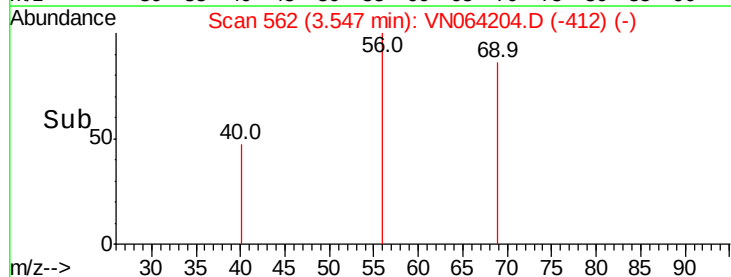
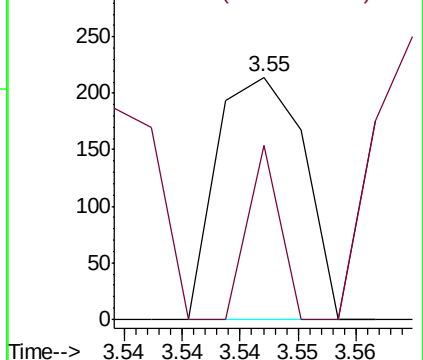
56 100

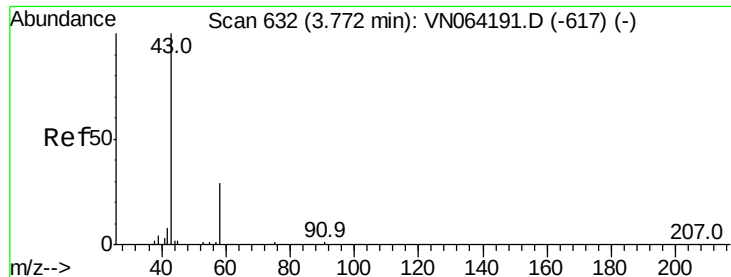
55 62.2 0.5 0.7#



Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 55.00 (54.70 to 55.70): VN0





#15

Acetone

Concen: 0.780 ug/l

RT: 3.77 min Scan# 632

Delta R.T. 0.00 min

Lab File: VN064204.D

Acq: 20 Oct 2020 18:41

Instrument :

MSVOA_N

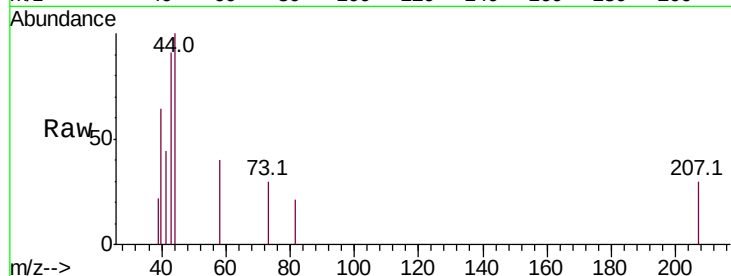
ClientSampled :

Tot Ion: 58 Resp: 246

Ion Ratio Lower Upper

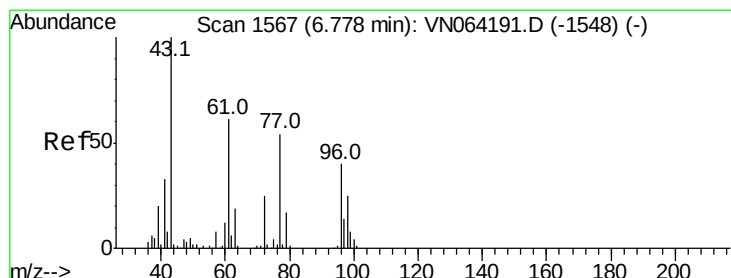
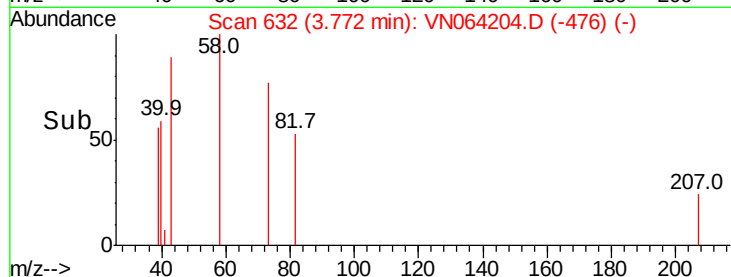
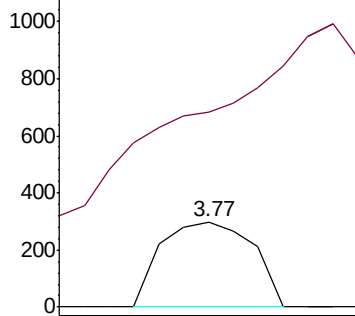
58 100

43 36.1 272.1 408.1#



Abundance Ion 58.00 (57.70 to 58.70): VN0

Ion 43.00 (42.70 to 43.70): VN0



#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

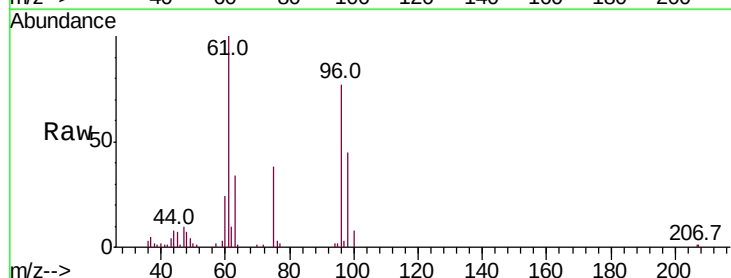
Tgt Ion: 96 Resp: 32266

Ion Ratio Lower Upper

96 100

61 135.8 126.2 189.4

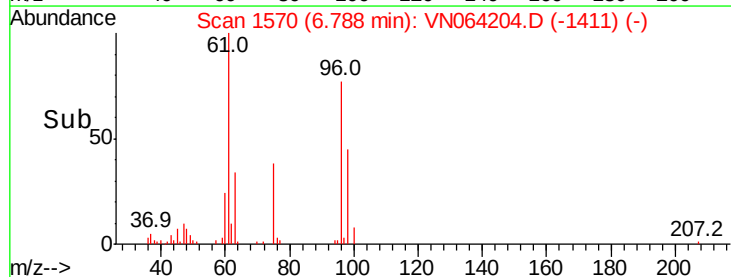
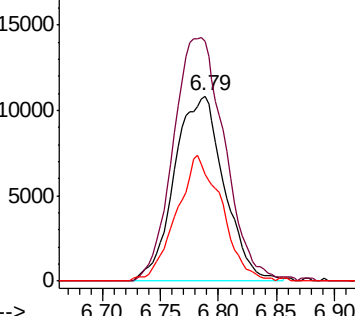
98 62.2 50.2 75.4

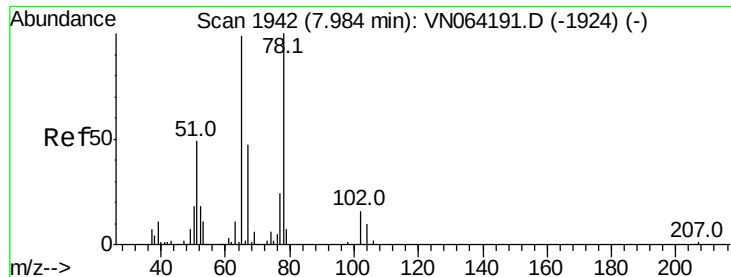


Abundance Ion 96.00 (95.70 to 96.70): VN0

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

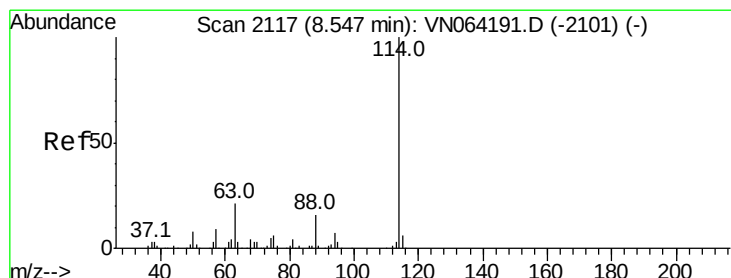
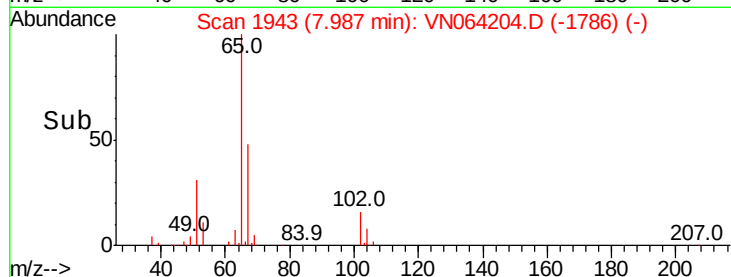
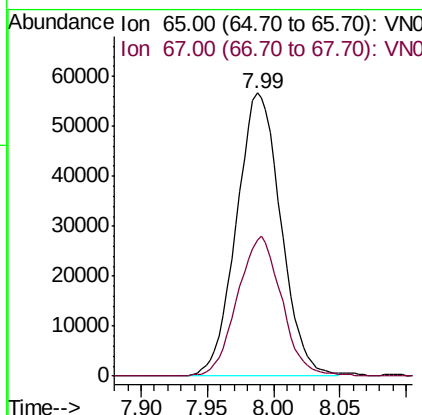
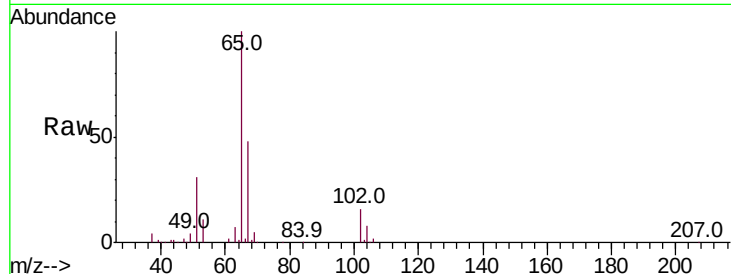
Lab File: VN064204.D

Acq: 20 Oct 2020 18:41

Instrument :
MSVOA_N
ClientSampleId :

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

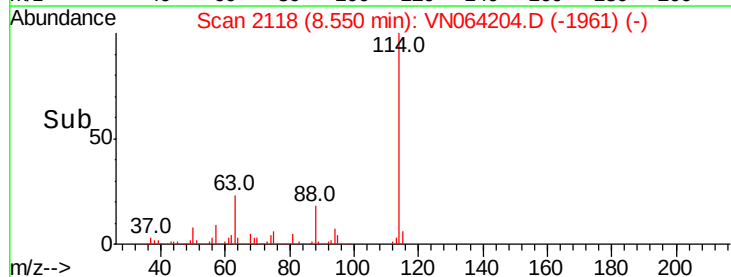
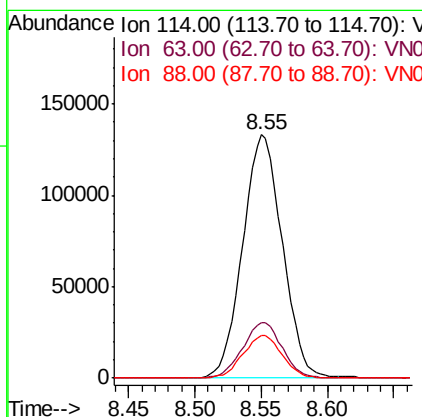
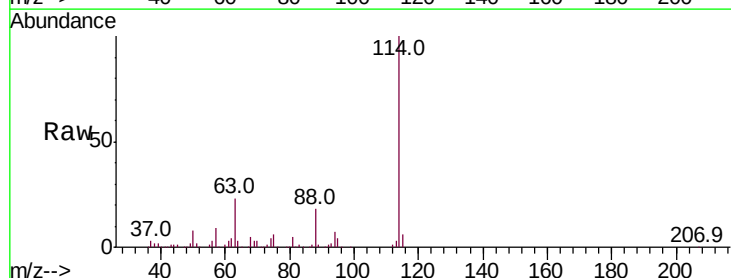
Delta R.T. 0.00 min

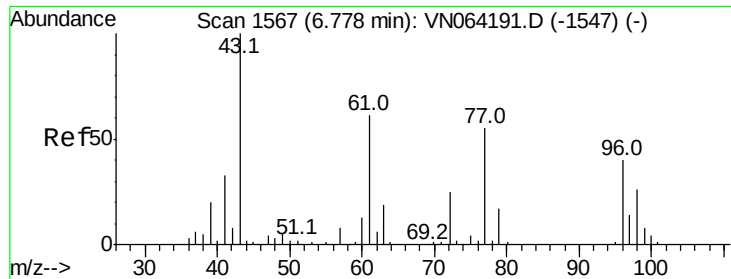
Lab File: VN064204.D

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

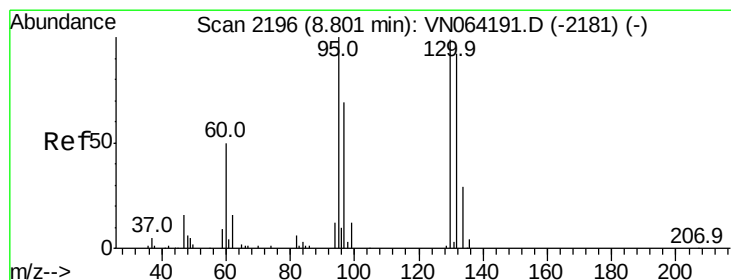
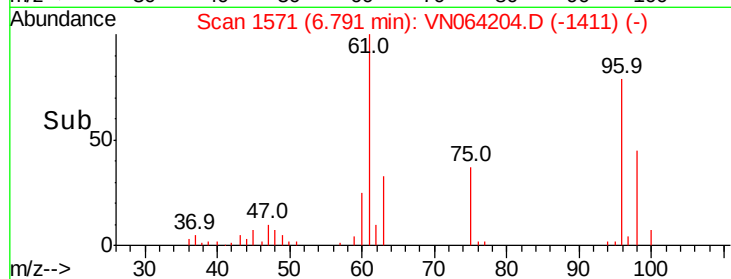
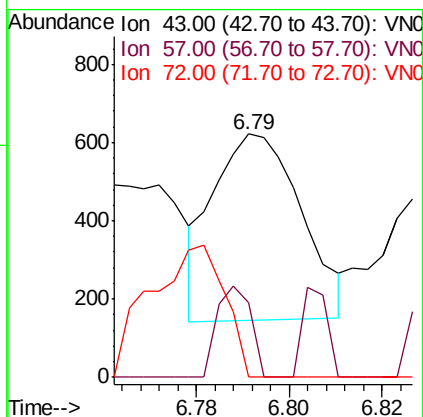
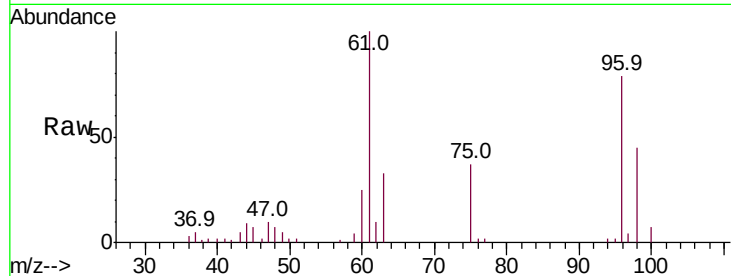




#30
2-Butanone
Concen: 0.331 ug/l
RT: 6.79 min Scan# 1571
Delta R.T. 0.01 min
Lab File: VN064204.D
Acq: 20 Oct 2020 18:41

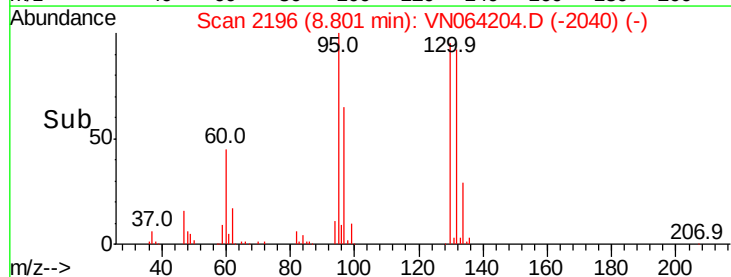
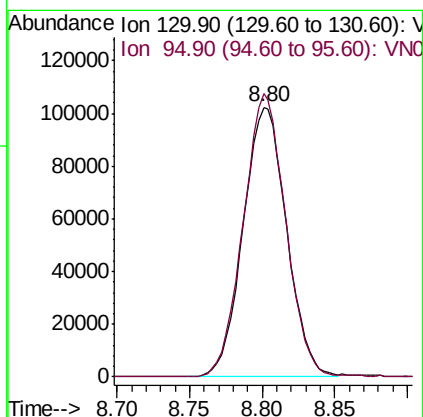
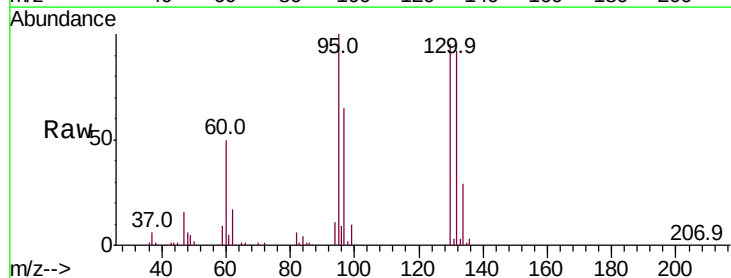
Instrument :
MSVOA_N
ClientSampled :

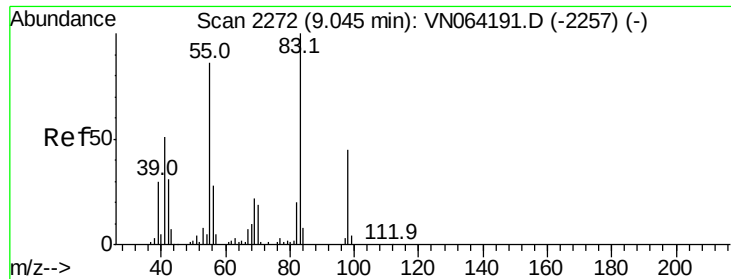
Tot Ion: 43 Resp: 628
Ion Ratio Lower Upper
43 100
57 18.6 5.8 8.6#
72 59.7 19.8 29.8#



#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

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

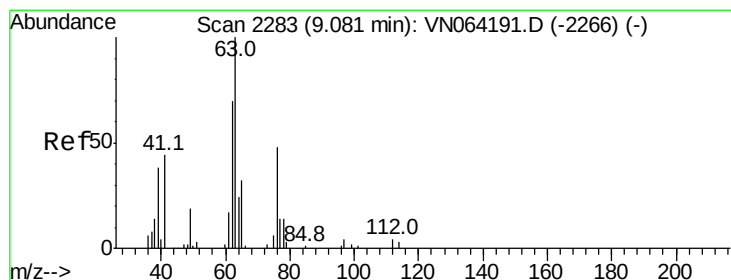
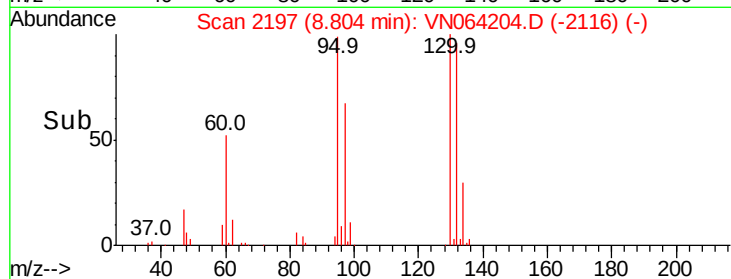
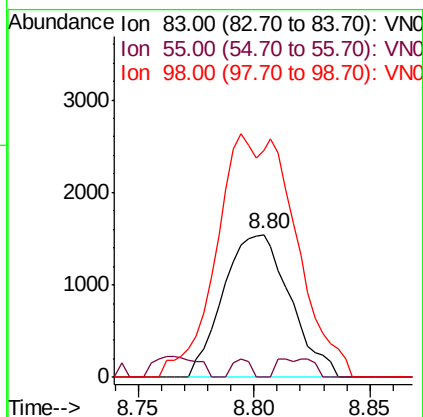
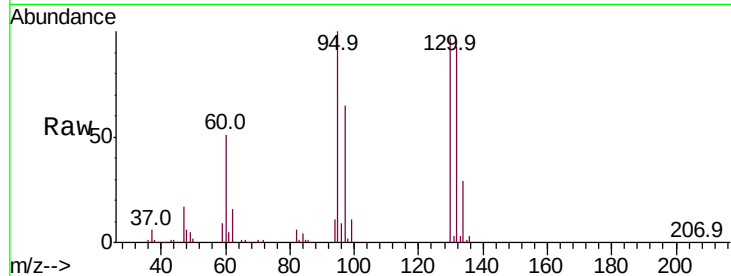




#38
Methylcyclohexane
Concen: 0.701 ug/l
RT: 8.80 min Scan# 2197
Delta R.T. -0.24 min
Lab File: VN064204.D
Acq: 20 Oct 2020 18:41

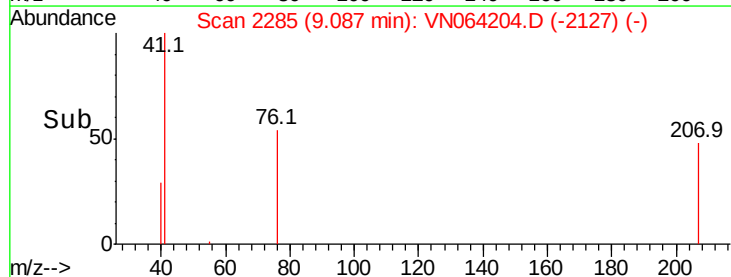
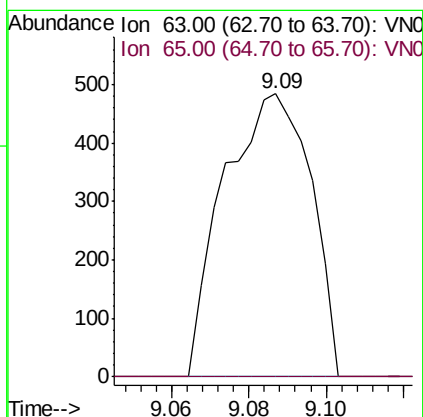
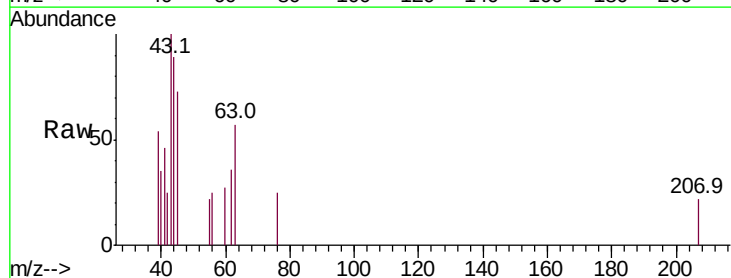
Instrument :
MSVOA_N
ClientSampled :

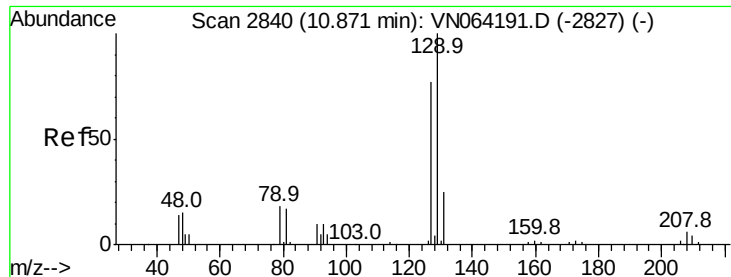
Tot Ion: 83 Resp: 3082
Ion Ratio Lower Upper
83 100
55 3.3 40.3 120.9#
98 104.3 22.4 67.0#



#39
1,2-Dichloropropane
Concen: 0.221 ug/l
RT: 9.09 min Scan# 2285
Delta R.T. 0.01 min
Lab File: VN064204.D
Acq: 20 Oct 2020 18:41

Tgt Ion: 63 Resp: 755
Ion Ratio Lower Upper
63 100
65 0.0 26.5 39.7#

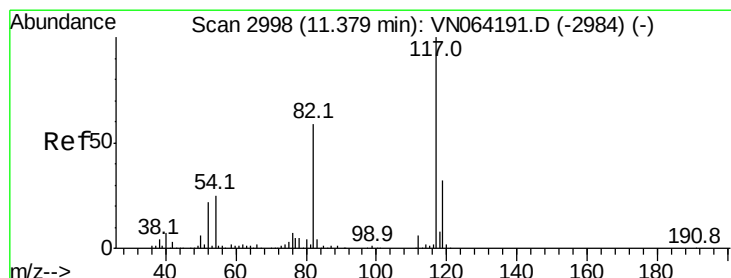
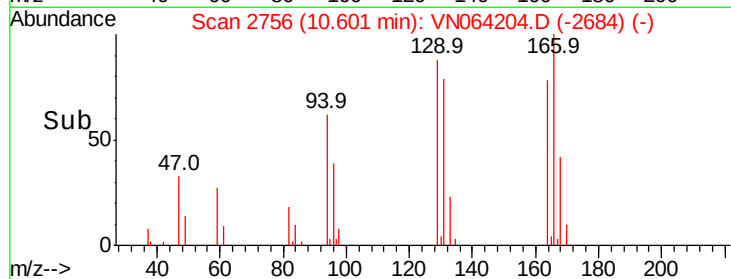
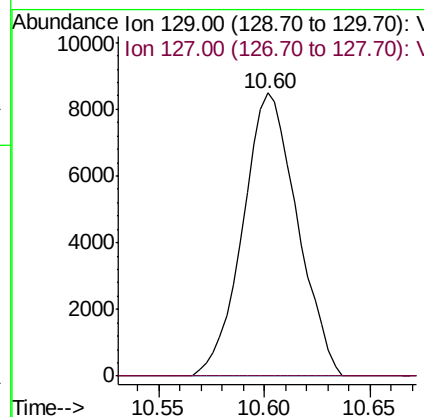
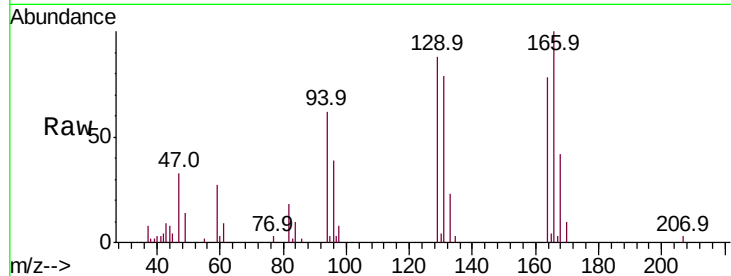




#53
Dibromochloromethane
Concen: 3.796 ug/l
RT: 10.60 min Scan# 2756
Delta R.T. -0.27 min
Lab File: VN064204.D
Acq: 20 Oct 2020 18:41

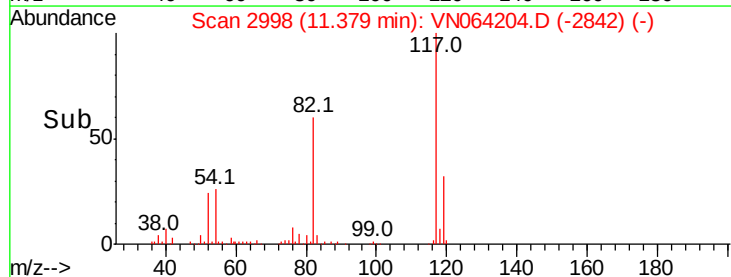
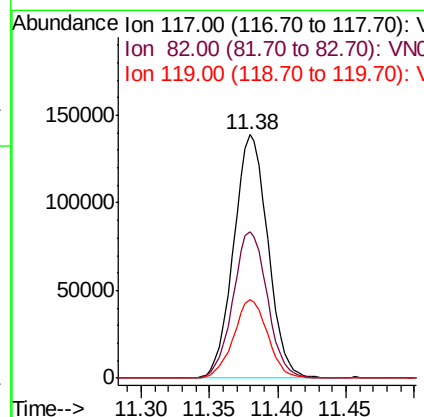
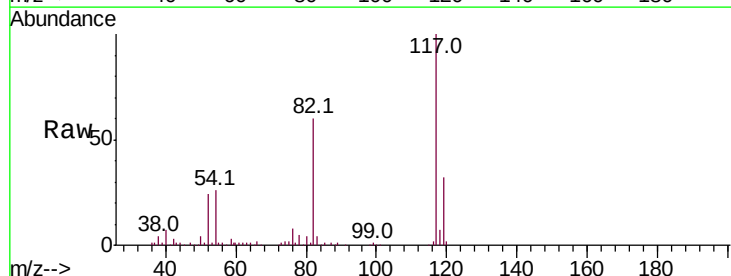
Instrument :
MSVOA_N
ClientSampleId :

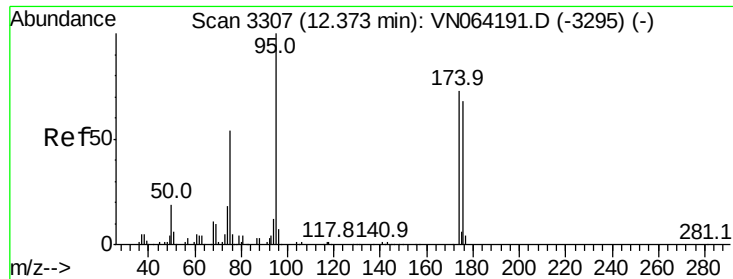
Tot Ion:129 Resp: 15215
Ion Ratio Lower Upper
129 100
127 0.0 39.0 117.0#



#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

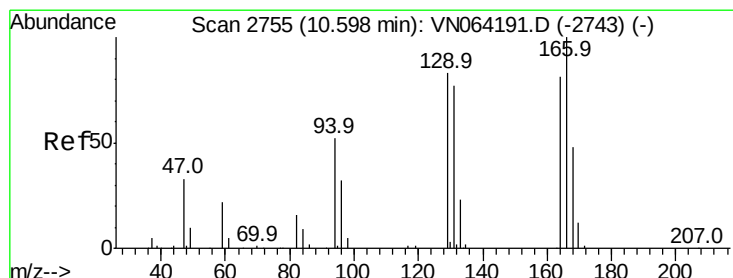
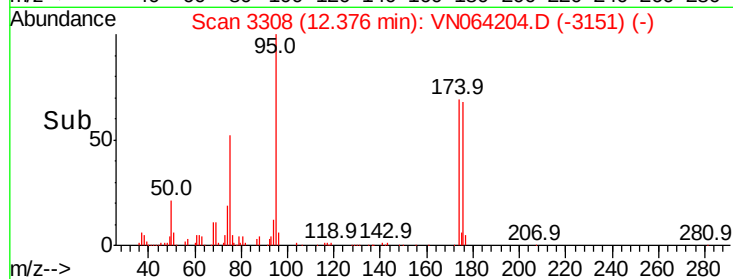
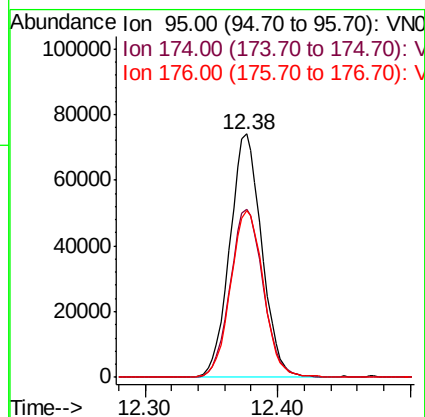
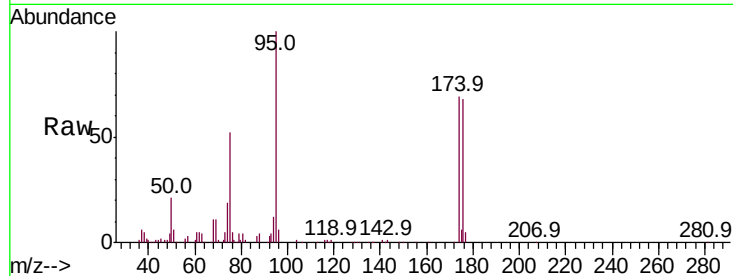




#60
4-Bromofluorobenzene
Concen: 28.573 ug/l
RT: 12.38 min Scan# 3308
Delta R.T. 0.00 min
Lab File: VN064204.D
Acq: 20 Oct 2020 18:41

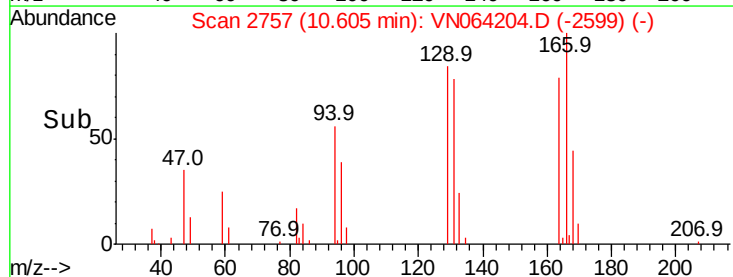
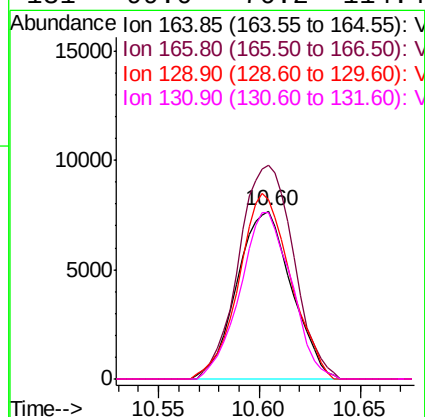
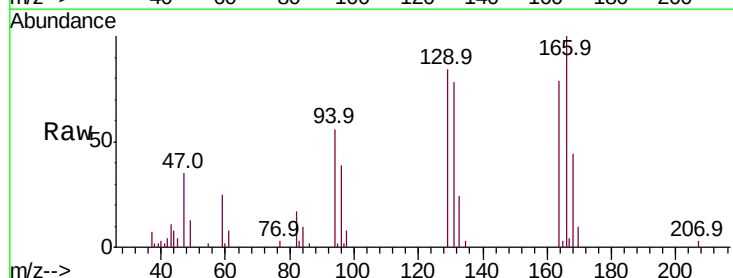
Instrument :
MSVOA_N
ClientSampled :

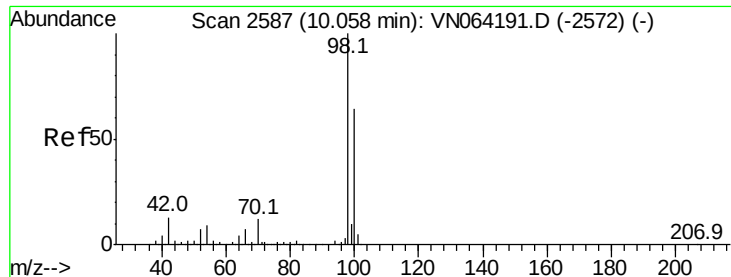
Tot Ion: 95 Resp: 123908
Ion Ratio Lower Upper
95 100
174 71.7 57.6 86.4
176 70.2 54.9 82.3



#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

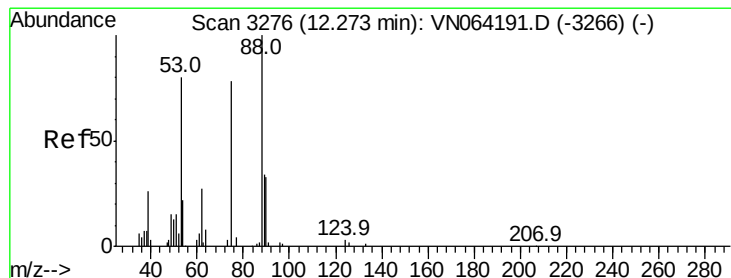
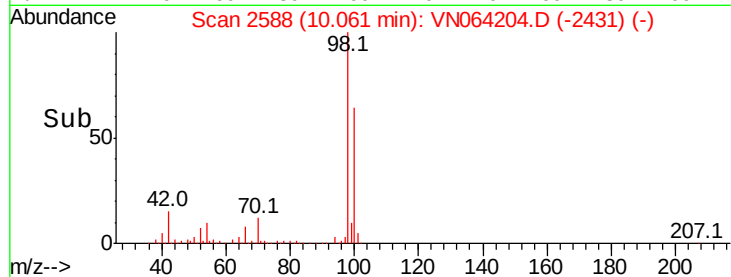
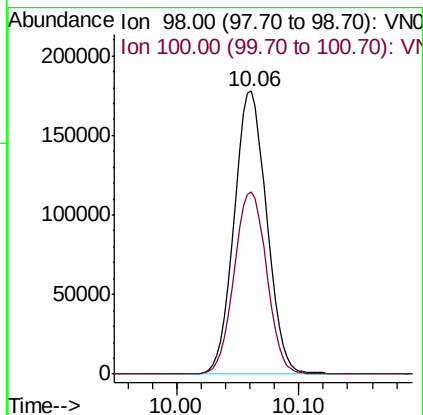
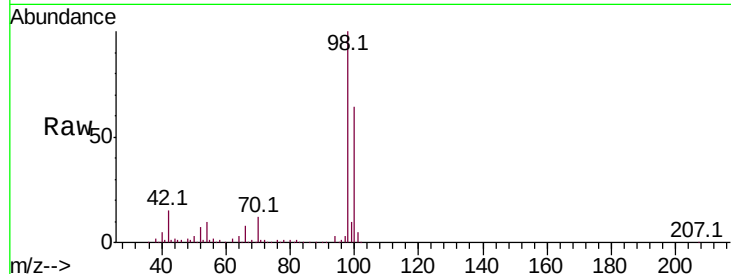
ClientSampleId :

Tot Ion: 98 Resp: 329473

Ion Ratio Lower Upper

98 100

100 64.4 51.4 77.2



#77

t-1,4-Dichloro-2-butene

Concen: 38.187 ug/l

RT: 12.38 min Scan# 3308

Delta R.T. 0.10 min

Lab File: VN064204.D

Acq: 20 Oct 2020 18:41

Tgt Ion: 75 Resp: 64725

Ion Ratio Lower Upper

75 100

53 0.0 51.4 154.2#

89 0.0 23.8 71.5#

