

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN102020\
 Data File : VN064203.D
 Acq On : 20 Oct 2020 18:17
 Operator : JC/MD
 Sample : L4473-03
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Oct 21 04:50:08 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	48204	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	8.55	114	279908	30.00	ug/l	0.00
57) Chlorobenzene-d5	11.38	117	245508	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	7.99	65	133933	33.94	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	113.13%
60) 4-Bromofluorobenzene	12.38	95	123824	28.14	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	93.80%
63) Toluene-d8	10.06	98	336472	30.27	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	100.90%

Target Compounds

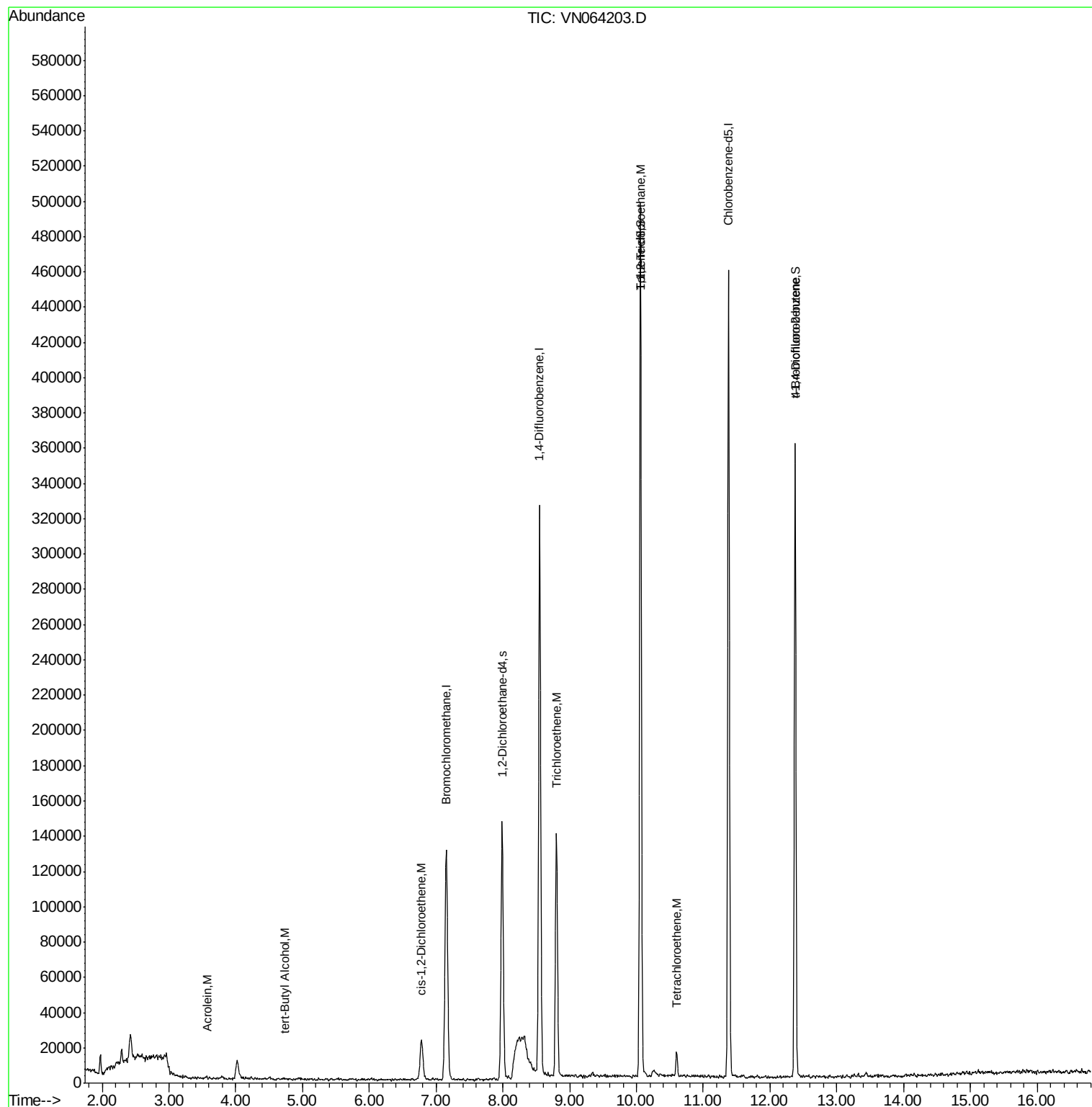
					Ovalue	
13) Acrolein	3.57	56	107	0.338	ug/l #	1
22) cis-1,2-Dichloroethene	6.78	96	6212	1.791	ug/l #	60
23) tert-Butyl Alcohol	4.73	59	688	1.273	ug/l #	100
37) Trichloroethene	8.80	130	49211	13.808	ug/l	93
50) 1,1,2-Trichloroethane	10.07	97	11177	3.471	ug/l #	1
61) Tetrachloroethene	10.60	164	2711	0.819	ug/l #	87
77) t-1,4-Dichloro-2-butene	12.38	75	67880	39.475	ug/l #	8

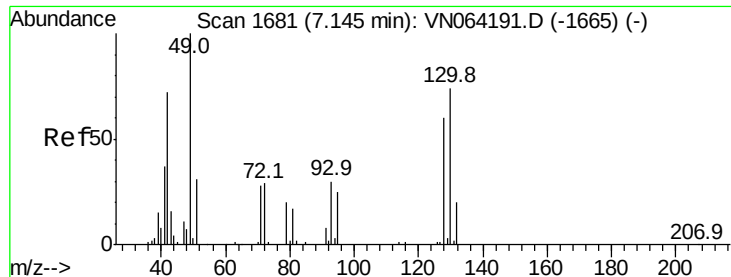
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA N\DATA\VN102020\
Data File : VN064203.D
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ClientSampleId :

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Quant Method : Z:\V0ASRV\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





#1

Bromochloromethane

Concen: 30.000 ug/l

RT: 7.15 min Scan# 1684

Delta R.T. 0.01 min

Lab File: VN064203.D

Acq: 20 Oct 2020 18:17

Instrument :
MSVOA_N
ClientSampled :

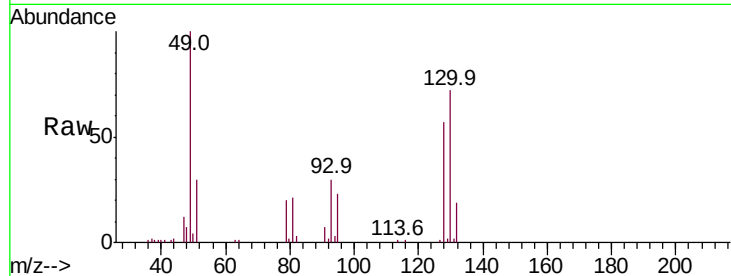
Tot Ion:128 Resp: 48204

Ion Ratio Lower Upper

128 100

49 177.4 0.0 433.3

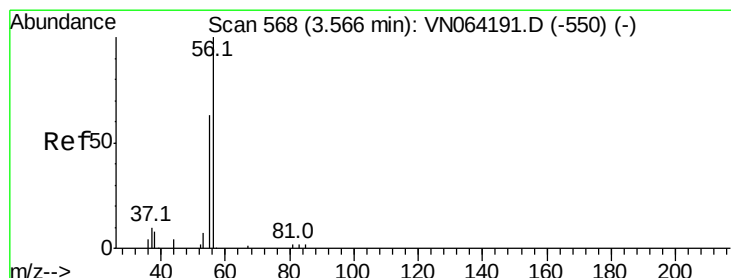
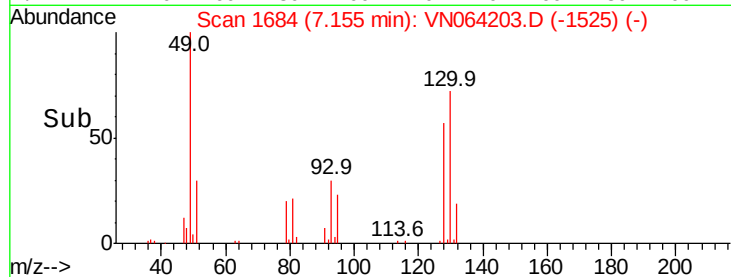
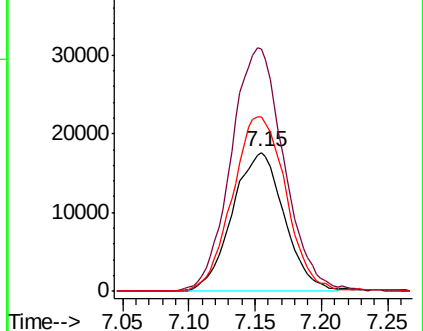
130 129.2 0.0 322.5



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: 0.338 ug/l

RT: 3.57 min Scan# 570

Delta R.T. 0.01 min

Lab File: VN064203.D

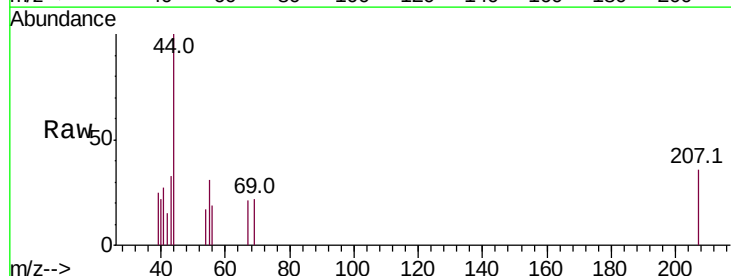
Acq: 20 Oct 2020 18:17

Tgt Ion: 56 Resp: 107

Ion Ratio Lower Upper

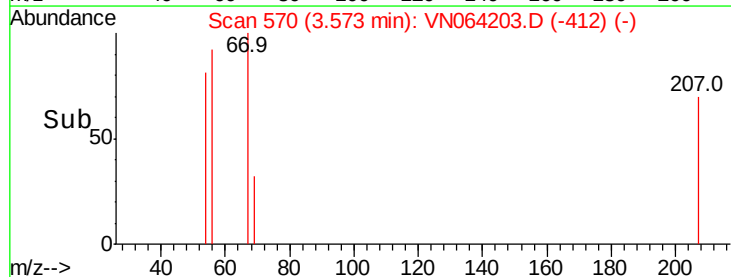
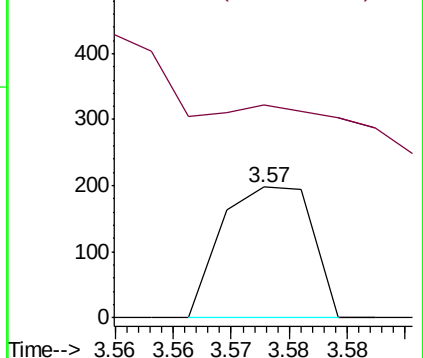
56 100

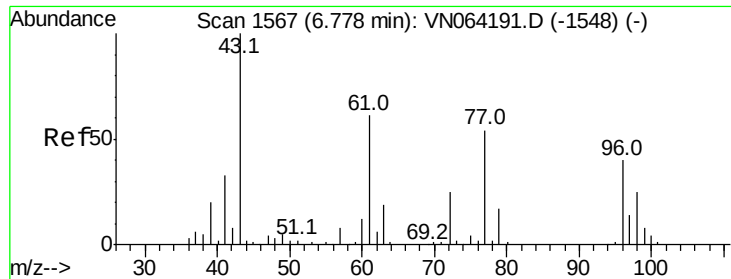
55 91.6 0.5 0.7#



Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 55.00 (54.70 to 55.70): VN0

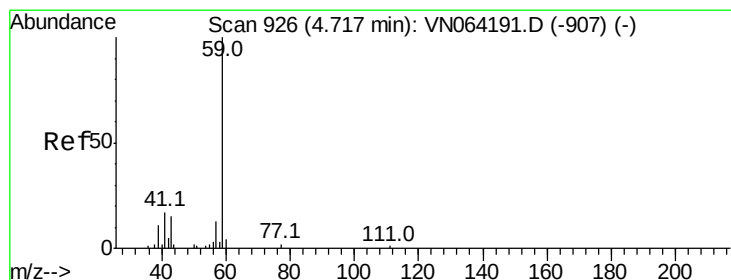
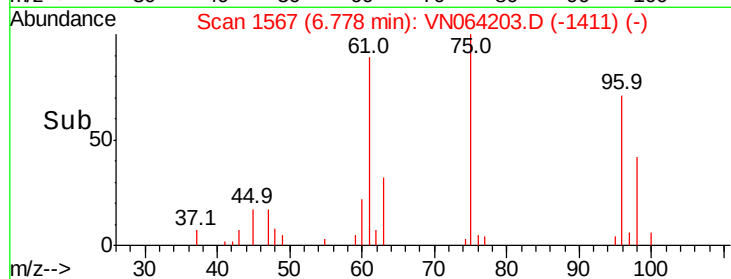
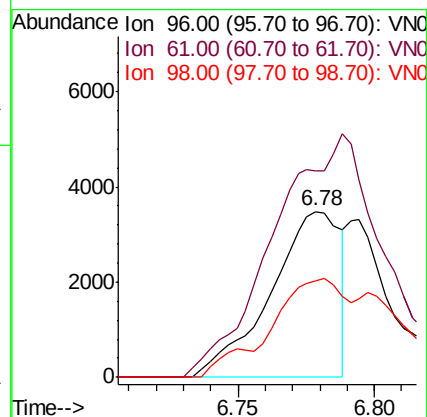
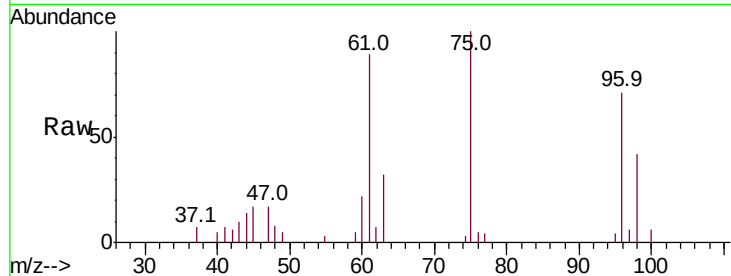




#22
 cis-1,2-Dichloroethene
 Concen: 1.791 ug/l
 RT: 6.78 min Scan# 1567
 Delta R.T. 0.00 min
 Lab File: VN064203.D
 Acq: 20 Oct 2020 18:17

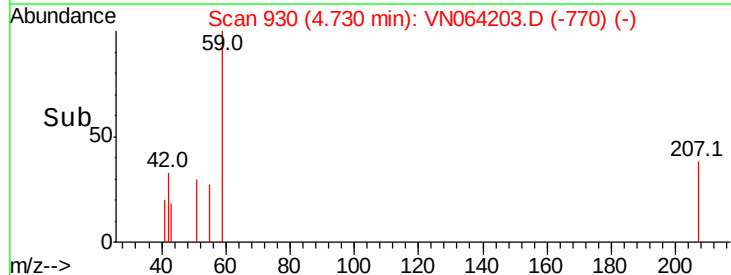
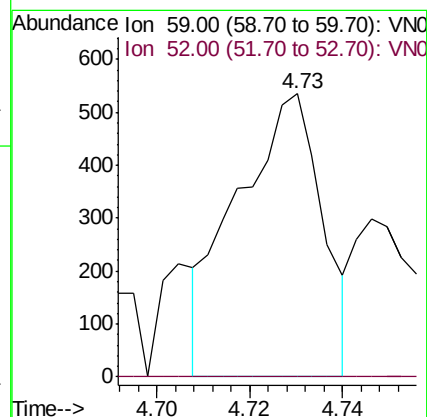
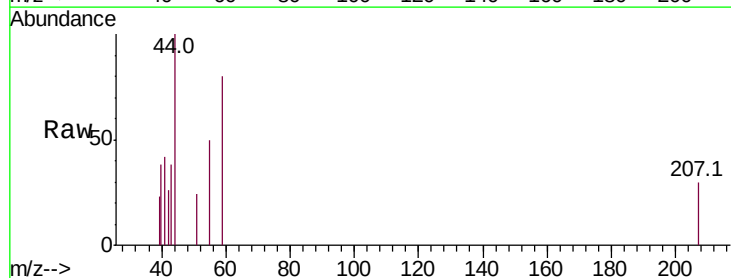
Instrument :
 MSVOA_N
 ClientSampleId :

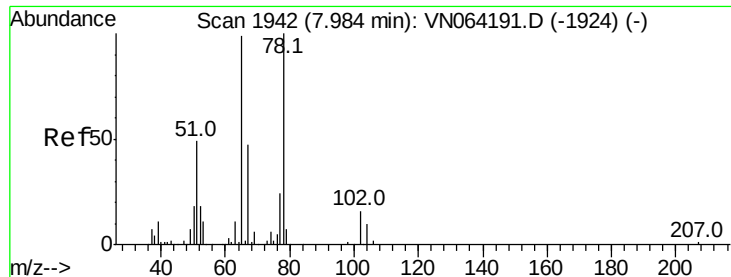
Tot Ion: 96 Resp: 6212
 Ion Ratio Lower Upper
 96 100
 61 102.5 126.2 189.4#
 98 37.0 50.2 75.4#



#23
 tert-Butyl Alcohol
 Concen: 1.273 ug/l
 RT: 4.73 min Scan# 930
 Delta R.T. 0.01 min
 Lab File: VN064203.D
 Acq: 20 Oct 2020 18:17

Tgt Ion: 59 Resp: 688
 Ion Ratio Lower Upper
 59 100
 52 0.0 0.0 0.0





#27

1,2-Dichloroethane-d4

Concen: 33.936 ug/l

RT: 7.99 min Scan# 1944

Delta R.T. 0.01 min

Lab File: VN064203.D

Acq: 20 Oct 2020 18:17

Instrument :

MSVOA_N

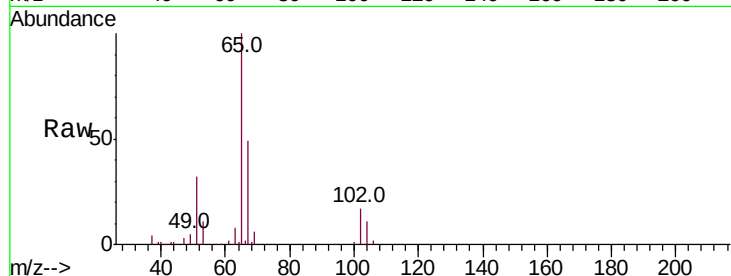
ClientSampleId :

Tot Ion: 65 Resp: 133933

Ion Ratio Lower Upper

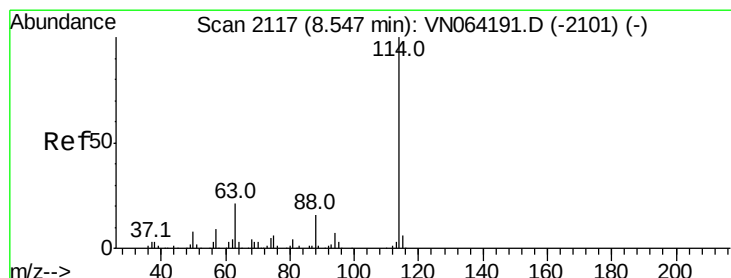
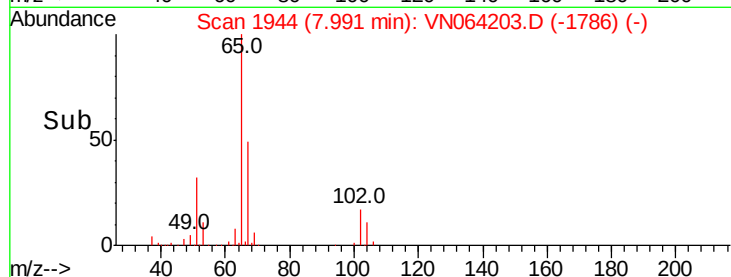
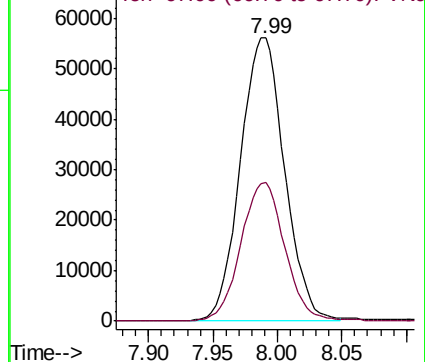
65 100

67 48.7 39.8 59.6



Abundance Ion 65.00 (64.70 to 65.70): VN0

Ion 67.00 (66.70 to 67.70): VN0



#28

1,4-Difluorobenzene

Concen: 30.000 ug/l

RT: 8.55 min Scan# 2118

Delta R.T. 0.00 min

Lab File: VN064203.D

Acq: 20 Oct 2020 18:17

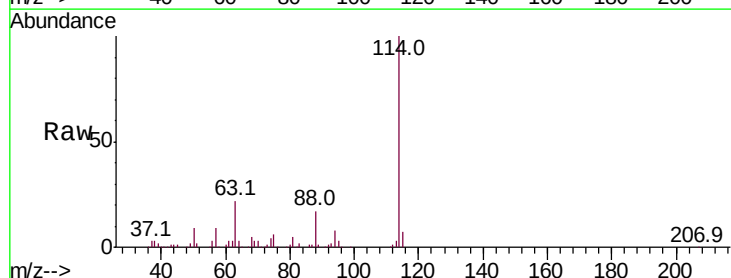
Tgt Ion: 114 Resp: 279908

Ion Ratio Lower Upper

114 100

63 21.6 17.0 25.4

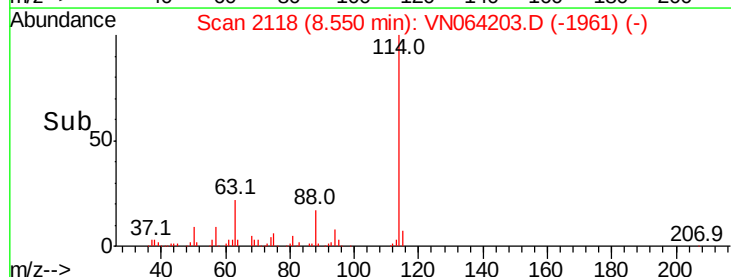
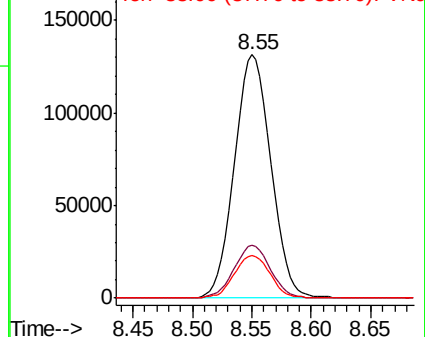
88 17.3 13.0 19.4

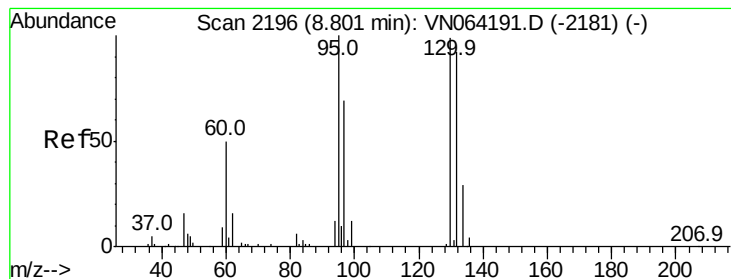


Abundance Ion 114.00 (113.70 to 114.70): V

Ion 63.00 (62.70 to 63.70): VN0

Ion 88.00 (87.70 to 88.70): VN0





#37

Trichloroethene

Concen: 13.808 ug/l

RT: 8.80 min Scan# 2196

Delta R.T. 0.00 min

Lab File: VN064203.D

Acq: 20 Oct 2020 18:17

Instrument :

MSVOA_N

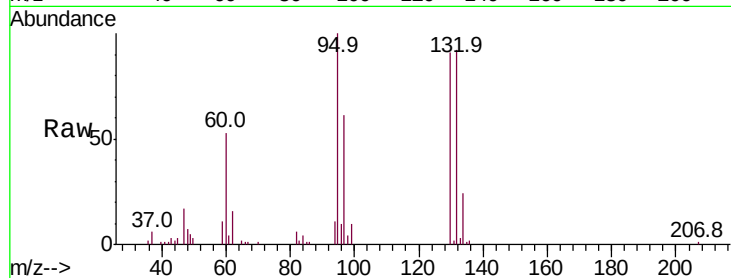
ClientSampleId :

Tot Ion:130 Resp: 49211

Ion Ratio Lower Upper

130 100

95 108.6 81.0 121.4



Abundance Ion 129.90 (129.60 to 130.60): V

Ion 94.90 (94.60 to 95.60): VN

8.80

25000

20000

15000

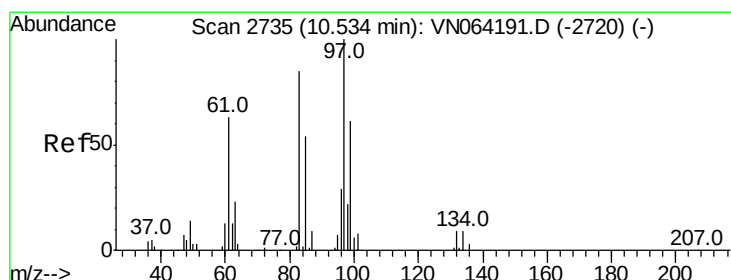
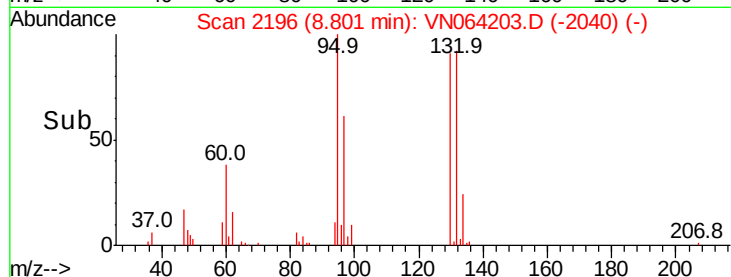
10000

5000

0

8.75 8.80 8.85

Time-->



#50

1,1,2-Trichloroethane

Concen: 3.471 ug/l

RT: 10.07 min Scan# 2590

Delta R.T. -0.47 min

Lab File: VN064203.D

Acq: 20 Oct 2020 18:17

Tgt Ion: 97 Resp: 11177

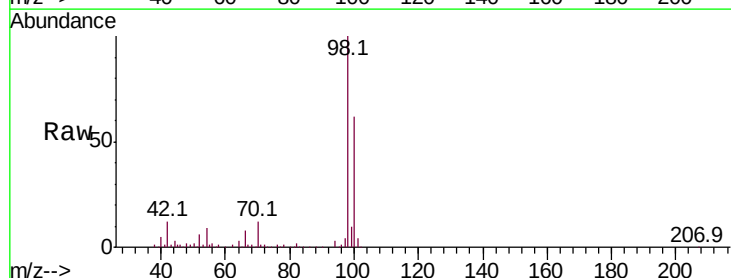
Ion Ratio Lower Upper

97 100

83 0.6 67.7 101.5#

85 0.0 43.2 64.8#

99 223.1 49.2 73.8#



Abundance Ion 97.00 (96.70 to 97.70): VN

Ion 82.95 (82.65 to 83.65): VN

Ion 84.95 (84.65 to 85.65): VN

Ion 98.95 (98.65 to 99.65): VN

25000

20000

15000

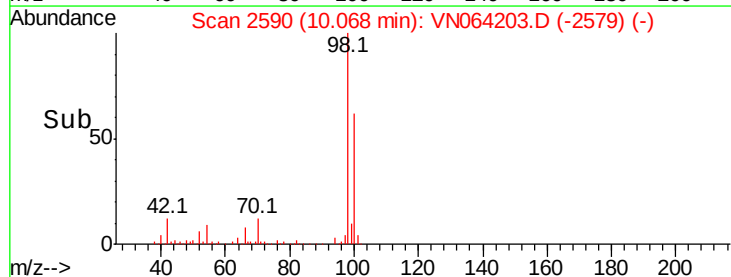
10000

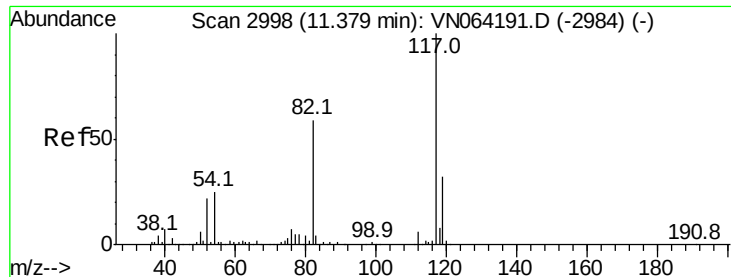
5000

0

10.05 10.07 10.10

Time-->

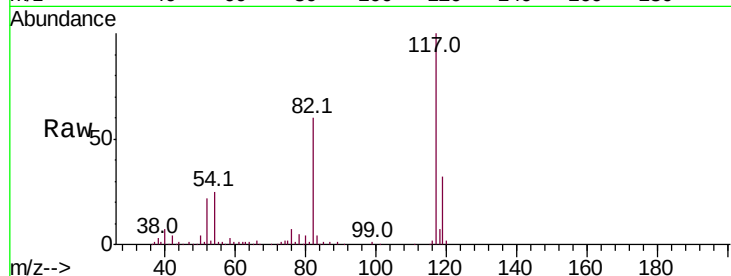




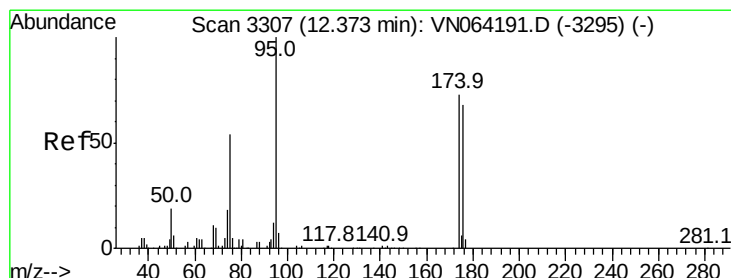
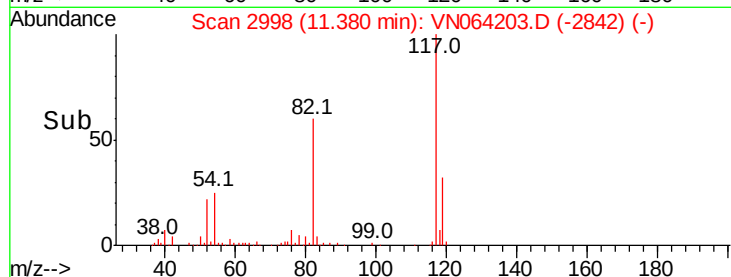
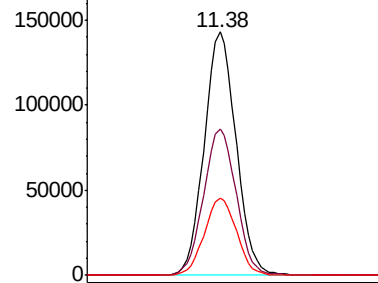
#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 11.38 min Scan# 2998
Delta R.T. 0.00 min
Lab File: VN064203.D
Acq: 20 Oct 2020 18:17

Instrument :
MSVOA_N
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
117	100		
82	61.3	47.8	71.8
119	32.1	25.7	38.5

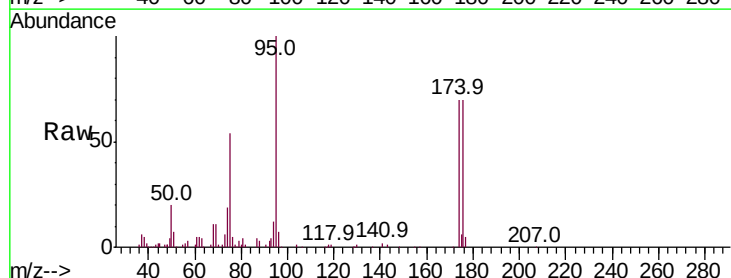


Abundance Ion 117.00 (116.70 to 117.70): V
Ion 82.00 (81.70 to 82.70): V
Ion 119.00 (118.70 to 119.70): V

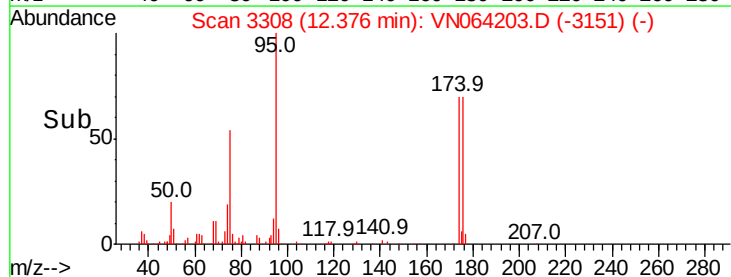
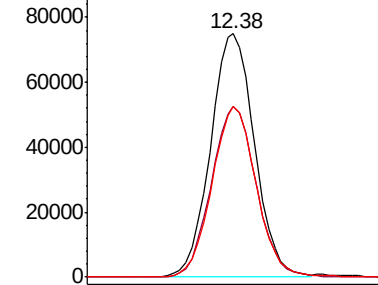


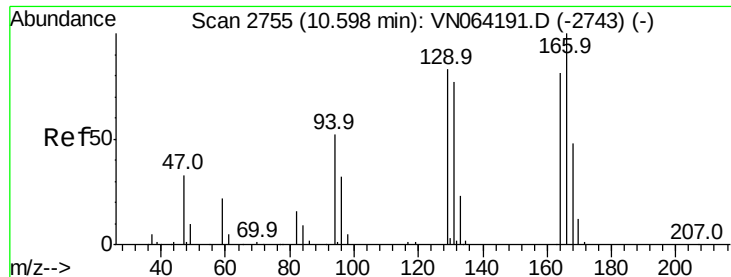
#60
4-Bromofluorobenzene
Concen: 28.144 ug/l
RT: 12.38 min Scan# 3308
Delta R.T. 0.00 min
Lab File: VN064203.D
Acq: 20 Oct 2020 18:17

Tgt Ion	Ratio	Lower	Upper
95	100		
174	71.4	57.6	86.4
176	70.5	54.9	82.3



Abundance Ion 95.00 (94.70 to 95.70): V
Ion 174.00 (173.70 to 174.70): V
Ion 176.00 (175.70 to 176.70): V

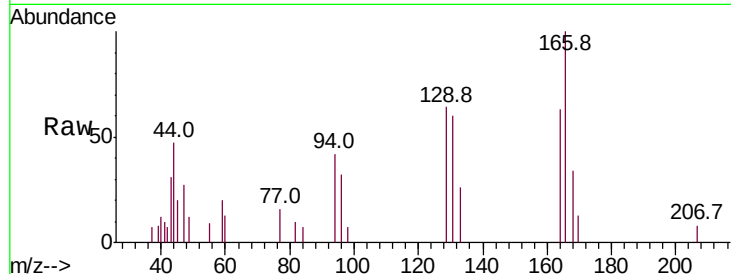




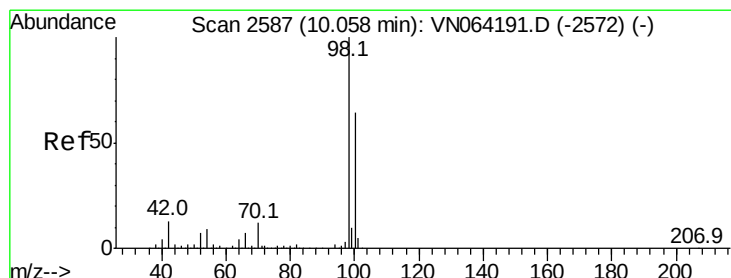
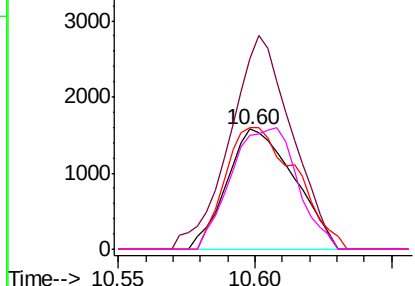
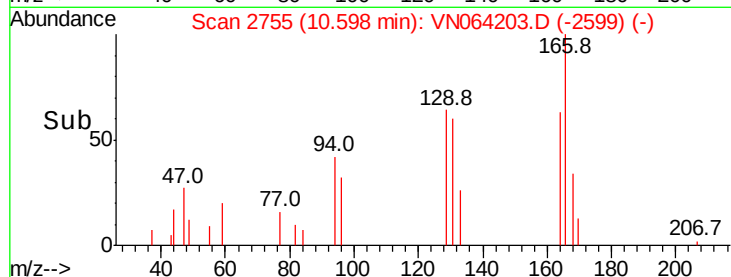
#61
Tetrachloroethene
Concen: 0.819 ug/l
RT: 10.60 min Scan# 2755
Delta R.T. 0.00 min
Lab File: VN064203.D
Acq: 20 Oct 2020 18:17

Instrument :
MSVOA_N
ClientSampled :

Tot Ion:164 Resp: 2711
Ion Ratio Lower Upper
164 100
166 159.0 99.2 148.8#
129 101.3 82.8 124.2
131 94.9 76.2 114.4

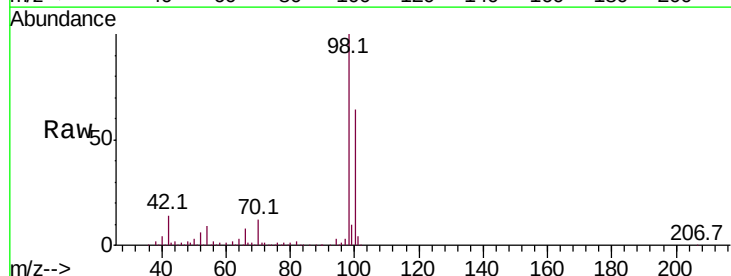


Abundance Ion 163.85 (163.55 to 164.55): V
Ion 165.80 (165.50 to 166.50): V
Ion 128.90 (128.60 to 129.60): V
Ion 130.90 (130.60 to 131.60): V

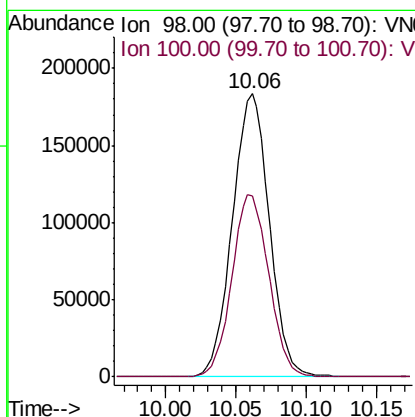
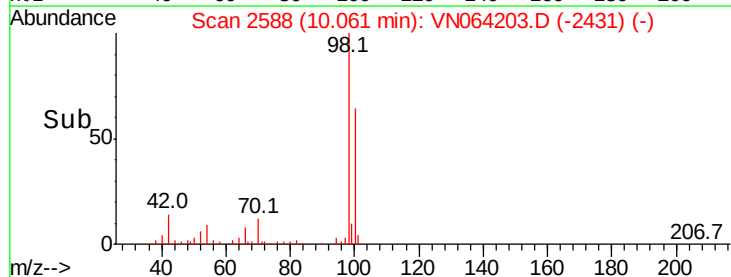


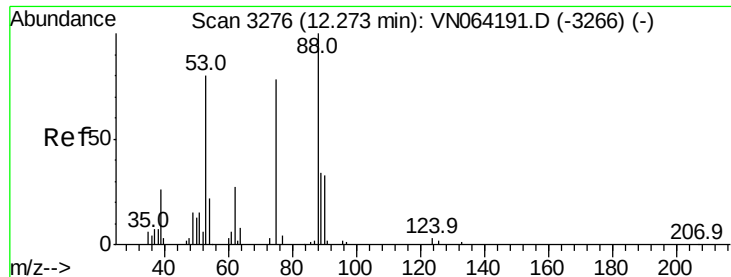
#63
Toluene-d8
Concen: 30.272 ug/l
RT: 10.06 min Scan# 2588
Delta R.T. 0.00 min
Lab File: VN064203.D
Acq: 20 Oct 2020 18:17

Tgt Ion: 98 Resp: 336472
Ion Ratio Lower Upper
98 100
100 64.4 51.4 77.2



Abundance Ion 98.00 (97.70 to 98.70): VN
Ion 100.00 (99.70 to 100.70): VN





#77
t-1,4-Dichloro-2-butene
Concen: 39.475 ug/l
RT: 12.38 min Scan# 3308
Delta R.T. 0.10 min
Lab File: VN064203.D
Acq: 20 Oct 2020 18:17

Instrument :
MSVOA_N
ClientSampleId :

Tot Ion: 75 Resp: 67880
Ion Ratio Lower Upper
75 100
53 0.0 51.4 154.2#
89 0.0 23.8 71.5#

