

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN111320\
 Data File : VN064637.D
 Acq On : 13 Nov 2020 17:57
 Operator : JC/MD
 Sample : L4748-03
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 STORAGE-BLANK-WATER-REF-4

Quant Time: Nov 17 01:58:47 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N110420W.M
 Quant Title : SW846 8260
 QLast Update : Wed Nov 04 12:09:03 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.63	168	221295	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.55	114	467337	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	481680	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	173760	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	7.99	65	225260	58.44	ug/l	0.00
Spiked Amount						
			Recovery	=	116.88%	
35) Dibromofluoromethane	7.55	113	169060	53.13	ug/l	0.00
Spiked Amount						
			Recovery	=	106.26%	
50) Toluene-d8	10.06	98	599642	48.76	ug/l	0.00
Spiked Amount						
			Recovery	=	97.52%	
62) 4-Bromofluorobenzene	12.38	95	220308	47.37	ug/l	0.00
Spiked Amount						
			Recovery	=	94.74%	

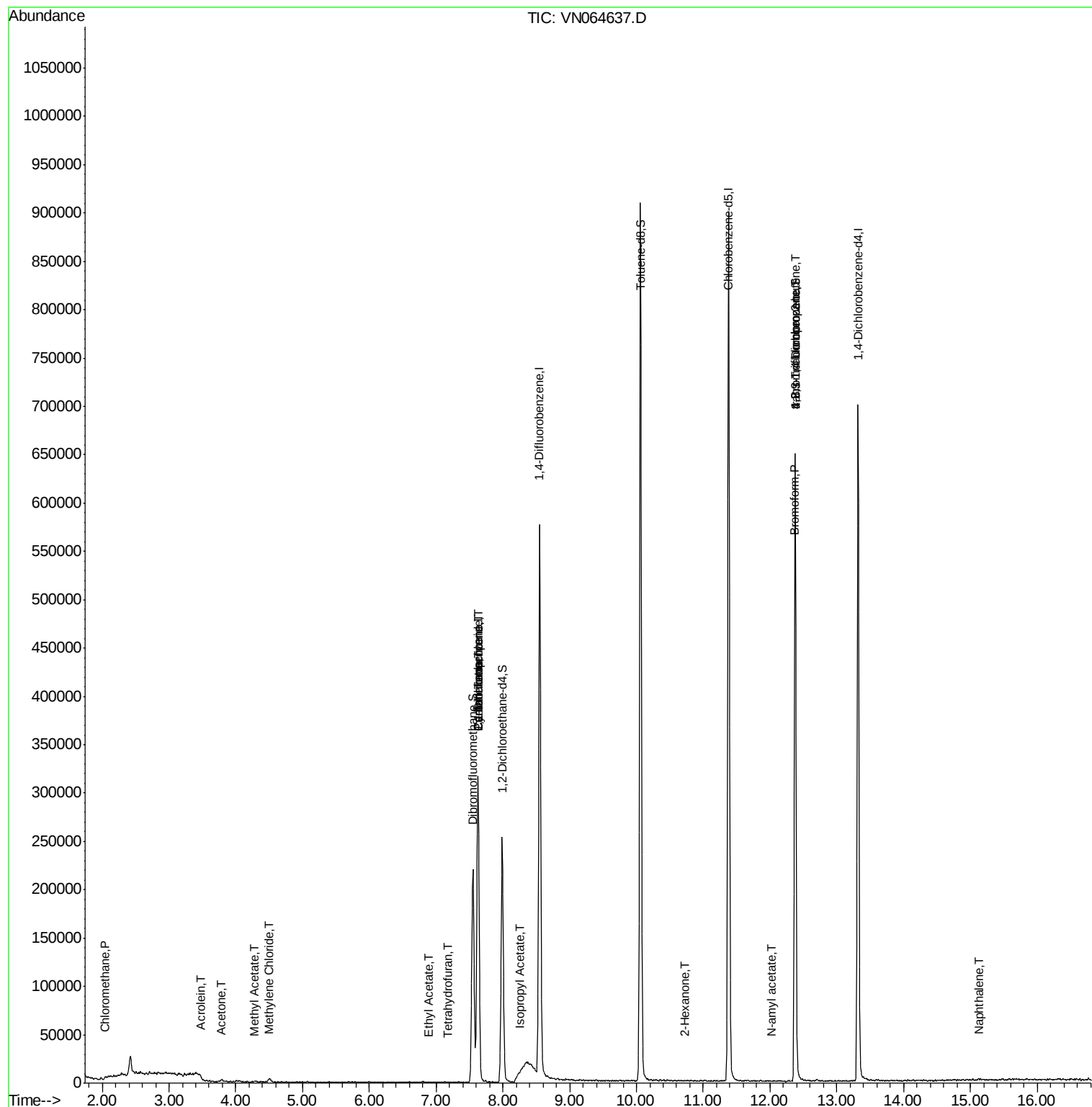
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	2.04	50	1570	0.449	ug/l #	80
13) Acrolein	3.48	56	110	0.417	ug/l #	82
16) Acetone	3.78	43	3689	2.512	ug/l	93
18) Methyl Acetate	4.29	43	756	0.262	ug/l #	91
20) Methylene Chloride	4.49	84	689	0.237	ug/l #	76
29) Tetrahydrofuran	7.17	42	275	0.240	ug/l #	37
31) Cyclohexane	7.62	56	6880	1.468	ug/l #	37
36) 1,1-Dichloropropene	7.63	75	21456	4.346	ug/l #	53
37) Ethyl Acetate	6.89	43	69	0.776	ug/l #	71
38) Carbon Tetrachloride	7.62	117	24884	4.716	ug/l #	17
43) Isopropyl Acetate	8.24	43	9167	1.146	ug/l #	64
59) 2-Hexanone	10.73	43	737	4.219	ug/l #	28
71) Bromoform	12.36	173	159	1.328	ug/l #	29
74) N-amyl acetate	12.03	43	82	1.226	ug/l #	46
76) 1,2,3-Trichloropropane	12.38	75	123136	29.248	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.38	75	123136	81.664	ug/l #	8
95) Naphthalene	15.12	128	193	3.642	ug/l #	69

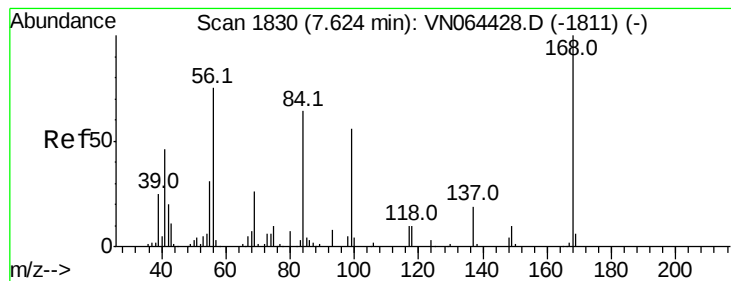
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.63 min Scan# 1831

Delta R.T. 0.00 min

Lab File: VN064637.D

Acq: 13 Nov 2020 17:57

Instrument :

MSVOA_N

ClientSampleId :

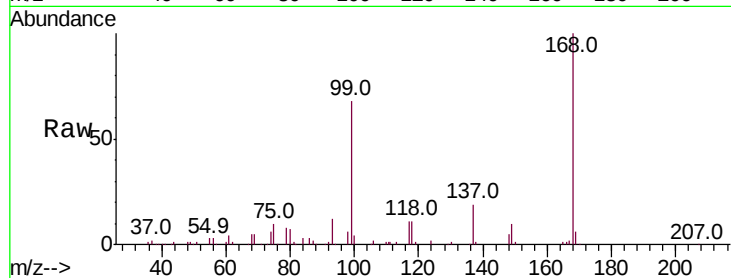
STORAGE-BLANK-WATER-REF-4

Tot Ion:168 Resp: 221295

Ion Ratio Lower Upper

168 100

99 67.6 53.4 80.2



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO

7.63

100000

80000

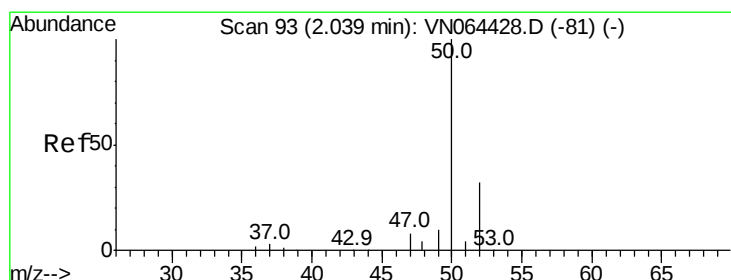
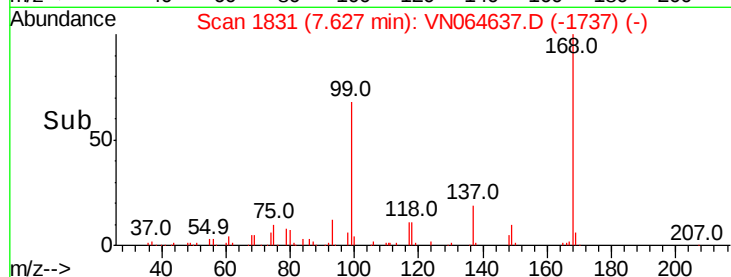
60000

40000

20000

0

Time--> 7.50 7.60 7.70



#3

Chloromethane

Concen: 0.449 ug/l

RT: 2.04 min Scan# 94

Delta R.T. 0.00 min

Lab File: VN064637.D

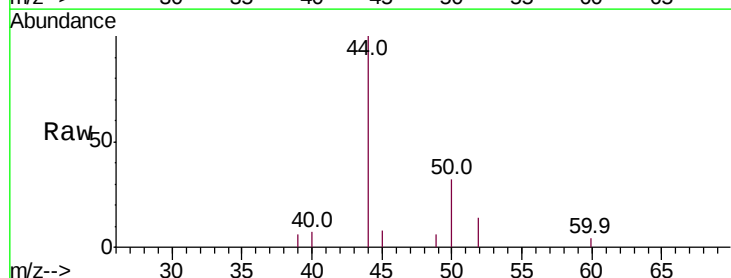
Acq: 13 Nov 2020 17:57

Tgt Ion: 50 Resp: 1570

Ion Ratio Lower Upper

50 100

52 42.9 25.3 37.9#



Abundance Ion 49.90 (49.60 to 50.60): VNO

Ion 51.90 (51.60 to 52.60): VNO

2.04

1200

1000

800

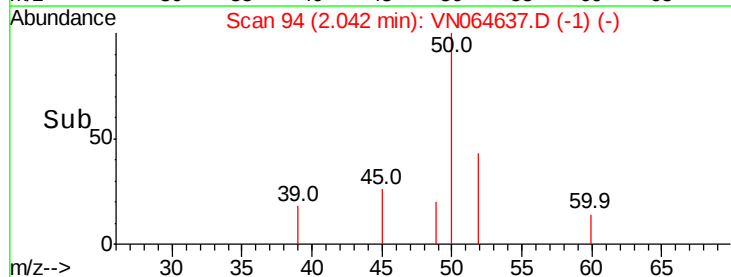
600

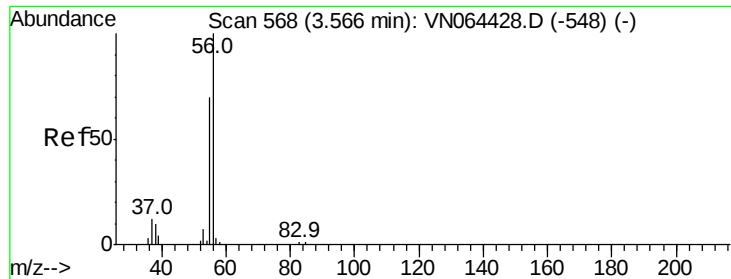
400

200

0

Time--> 2.00 2.05





#13

Acrolein

Concen: 0.417 ug/l

RT: 3.48 min Scan# 541

Delta R.T. -0.09 min

Lab File: VN064637.D

Acq: 13 Nov 2020 17:57

Instrument :

MSVOA_N

ClientSampleId :

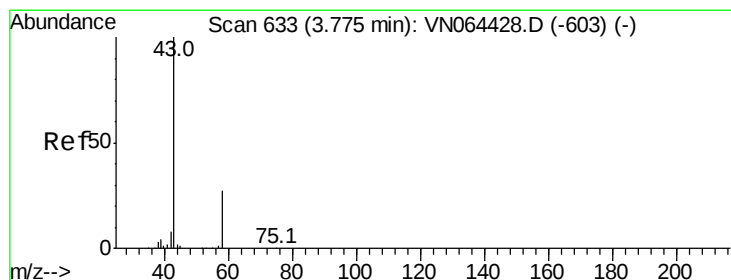
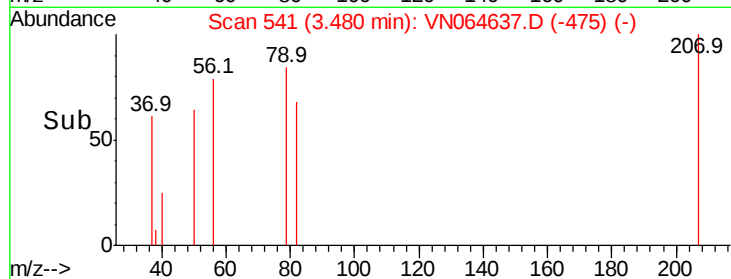
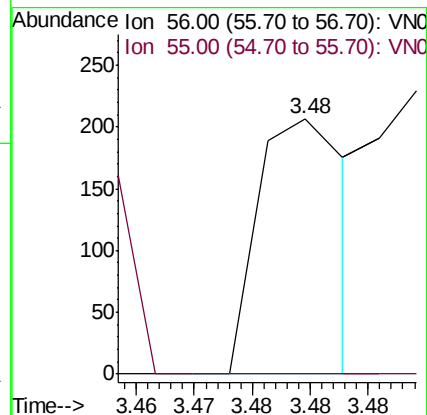
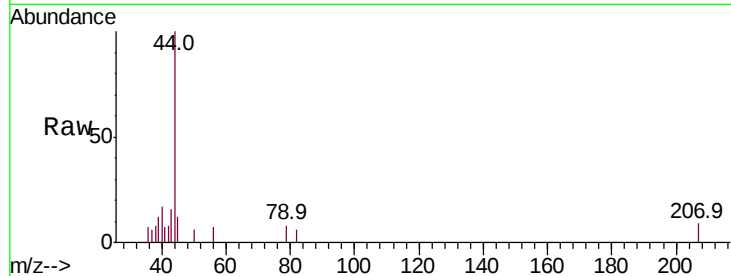
STORAGE-BLANK-WATER-REF-4

Tot Ion: 56 Resp: 110

Ion Ratio Lower Upper

56 100

55 55.5 55.9 83.9#



#16

Acetone

Concen: 2.512 ug/l

RT: 3.78 min Scan# 635

Delta R.T. 0.01 min

Lab File: VN064637.D

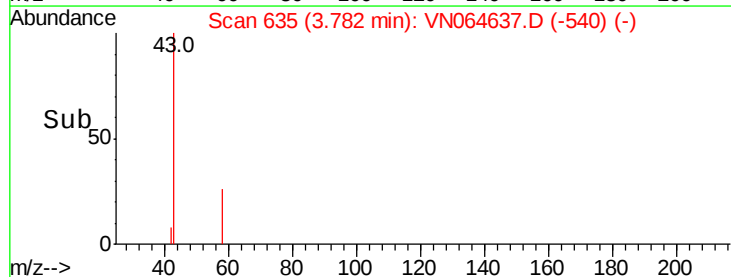
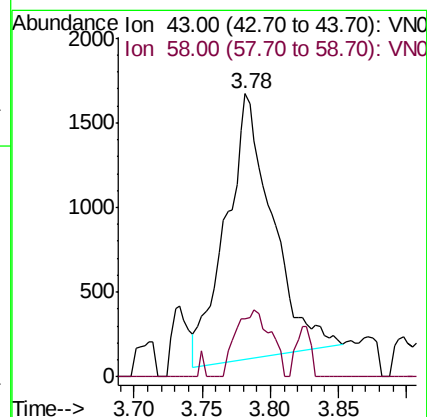
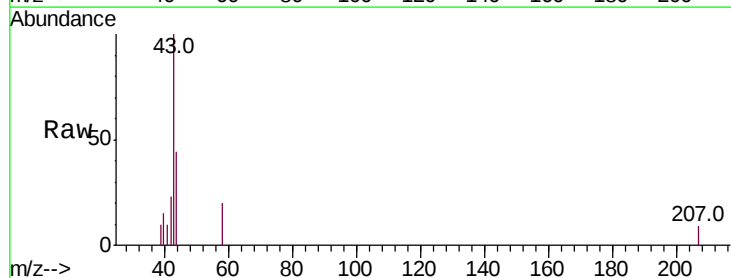
Acq: 13 Nov 2020 17:57

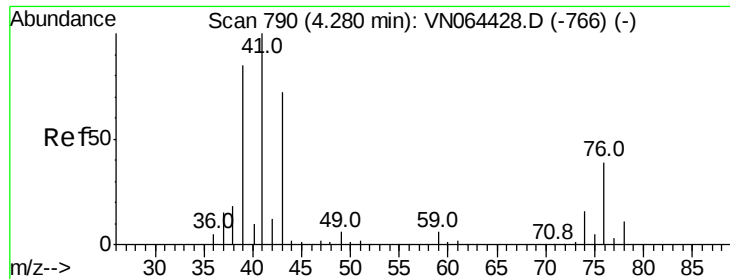
Tgt Ion: 43 Resp: 3689

Ion Ratio Lower Upper

43 100

58 23.1 21.4 32.0

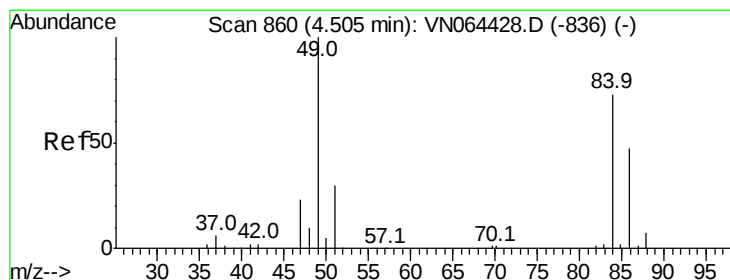
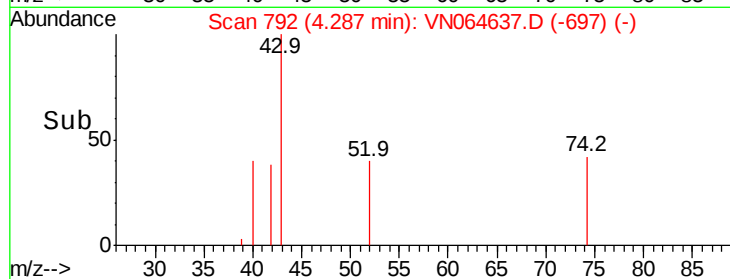
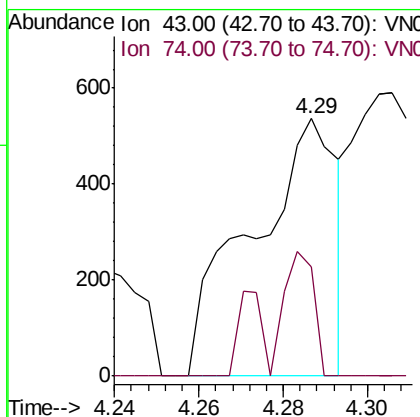
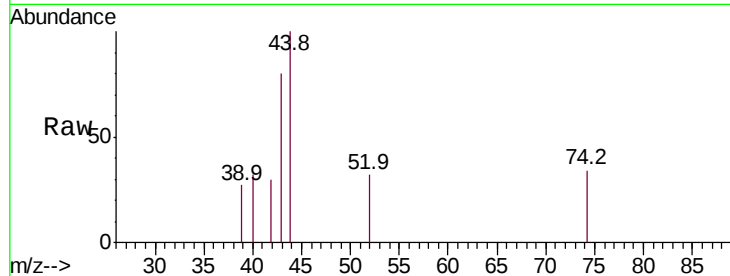




#18
Methvl Acetate
Concen: 0.262 ug/l
RT: 4.29 min Scan# 792
Delta R.T. 0.01 min
Lab File: VN064637.D
Acq: 13 Nov 2020 17:57

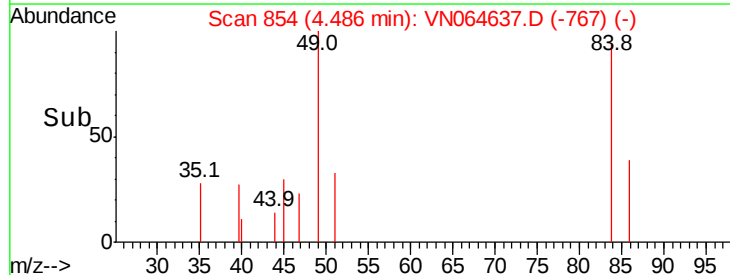
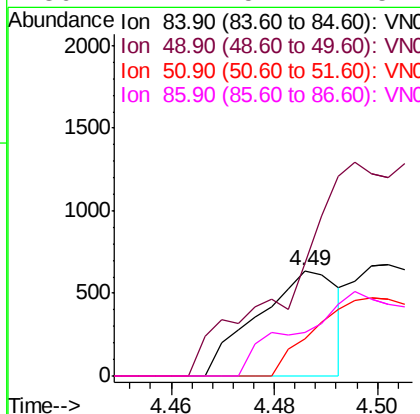
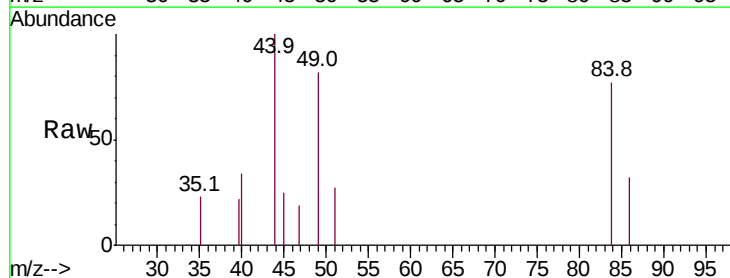
Instrument :
MSVOA_N
ClientSampleId :
STORAGE-BLANK-WATER-REF-4

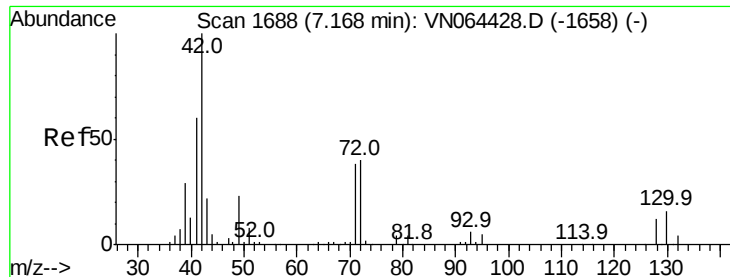
Tot Ion: 43 Resp: 756
Ion Ratio Lower Upper
43 100
74 16.9 17.0 25.4#



#20
Methylene Chloride
Concen: 0.237 ug/l
RT: 4.49 min Scan# 854
Delta R.T. -0.02 min
Lab File: VN064637.D
Acq: 13 Nov 2020 17:57

Tgt Ion: 84 Resp: 689
Ion Ratio Lower Upper
84 100
49 106.8 110.1 165.1#
51 35.5 33.6 50.4
86 41.2 52.1 78.1#





#29

Tetrahydrofuran

Concen: 0.240 ug/l

RT: 7.17 min Scan# 1688

Delta R.T. -0.00 min

Lab File: VN064637.D

Acq: 13 Nov 2020 17:57

Instrument :

MSVOA_N

ClientSampleId :

STORAGE-BLANK-WATER-REF-4

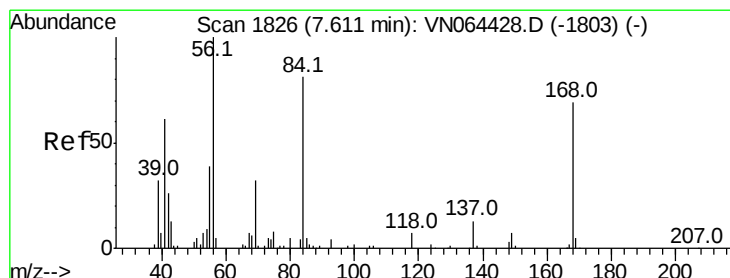
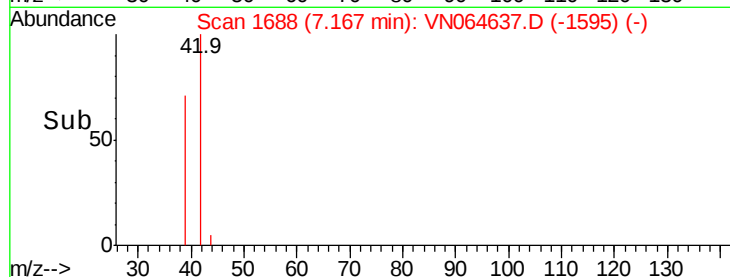
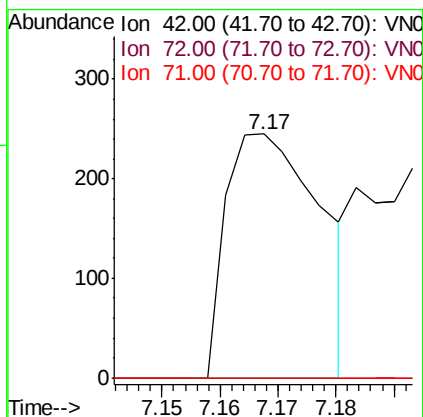
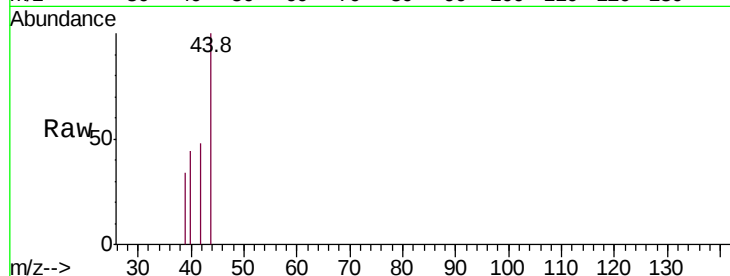
Tot Ion: 42 Resp: 275

Ion Ratio Lower Upper

42 100

72 0.0 31.7 47.5#

71 0.0 29.8 44.6#



#31

Cyclohexane

Concen: 1.468 ug/l

RT: 7.62 min Scan# 1830

Delta R.T. 0.01 min

Lab File: VN064637.D

Acq: 13 Nov 2020 17:57

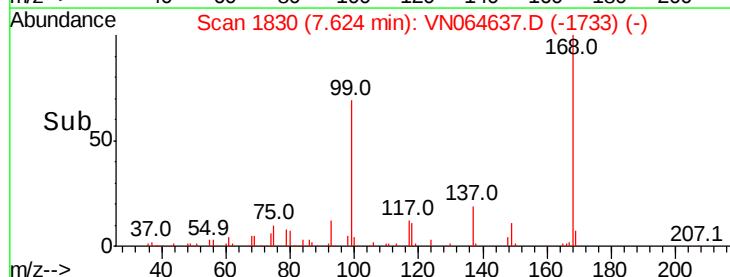
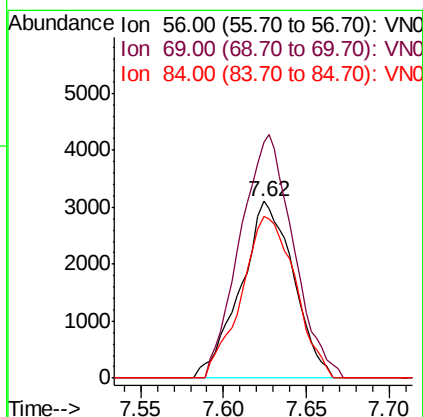
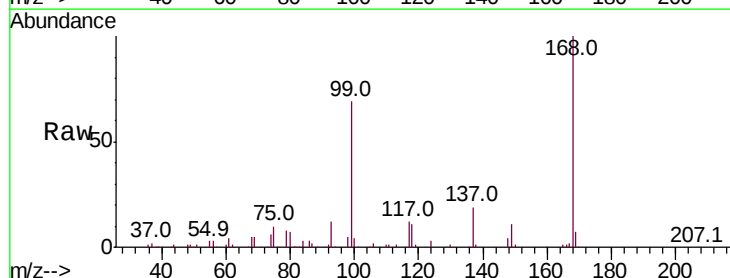
Tgt Ion: 56 Resp: 6880

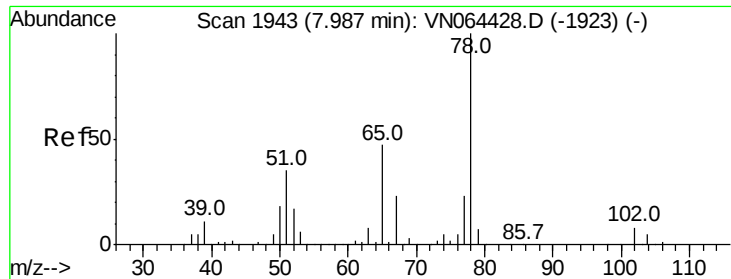
Ion Ratio Lower Upper

56 100

69 133.4 25.6 38.4#

84 91.4 63.0 94.6

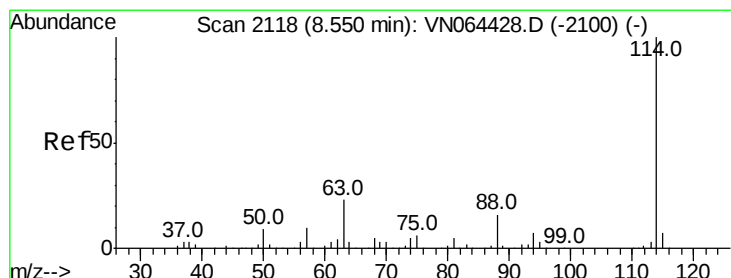
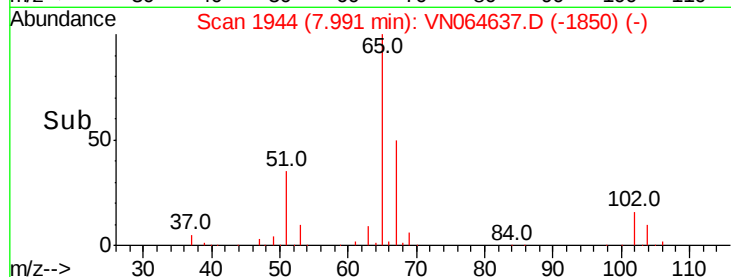
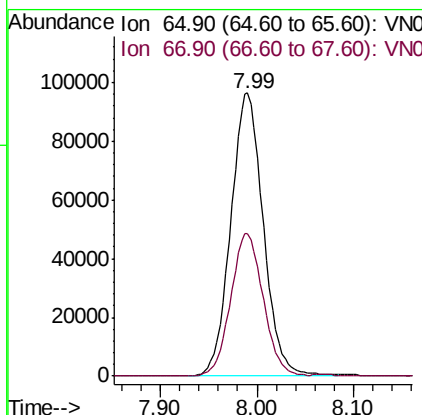
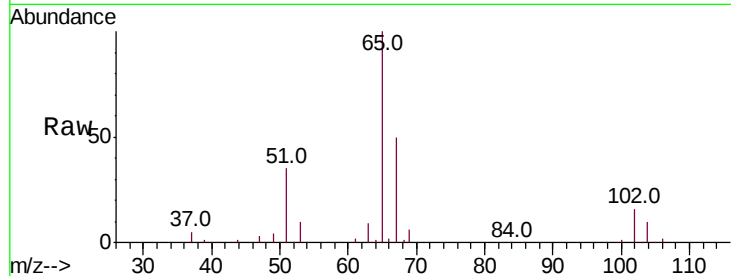




#33
 1,2-Dichloroethane-d4
 Concen: 58.439 ug/l
 RT: 7.99 min Scan# 1944
 Delta R.T. 0.00 min
 Lab File: VN064637.D
 Acq: 13 Nov 2020 17:57

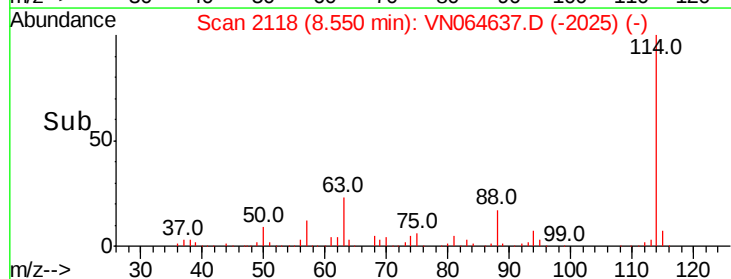
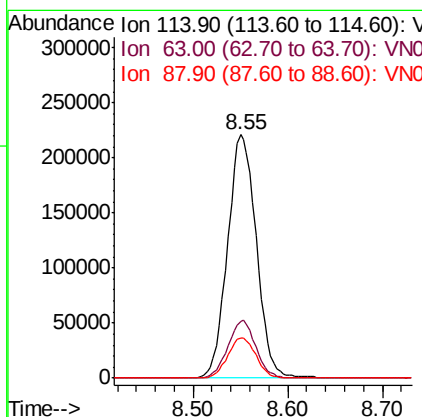
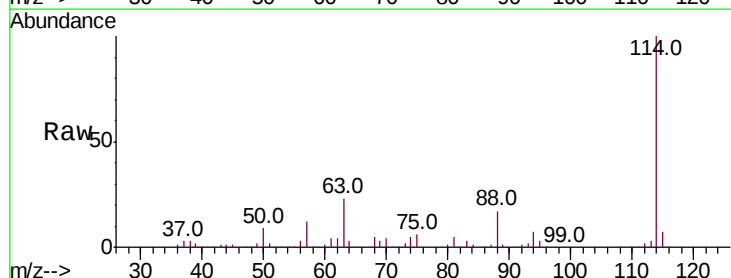
Instrument :
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 STORAGE-BLANK-WATER-REF-4

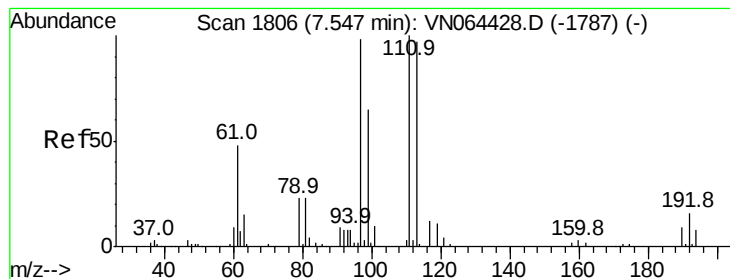
Tot Ion: 65 Resp: 225260
 Ion Ratio Lower Upper
 65 100
 67 50.2 0.0 101.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.55 min Scan# 2118
 Delta R.T. -0.00 min
 Lab File: VN064637.D
 Acq: 13 Nov 2020 17:57

Tgt Ion: 114 Resp: 467337
 Ion Ratio Lower Upper
 114 100
 63 23.3 0.0 45.6
 88 16.6 0.0 32.8





#35

Dibromofluoromethane

Concen: 53.131 ug/l

RT: 7.55 min Scan# 1807

Delta R.T. 0.00 min

Lab File: VN064637.D

Acq: 13 Nov 2020 17:57

Instrument :

MSVOA_N

ClientSampleId :

STORAGE-BLANK-WATER-REF-4

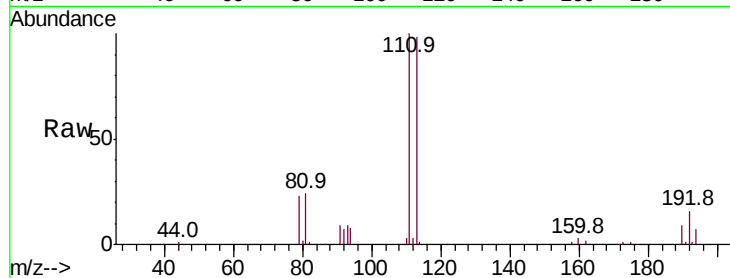
Tot Ion:113 Resp: 169060

Ion Ratio Lower Upper

113 100

111 101.3 81.1 121.7

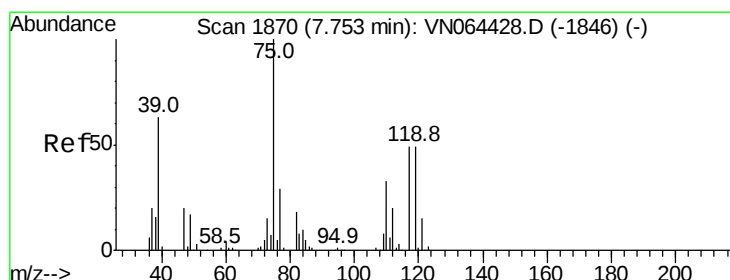
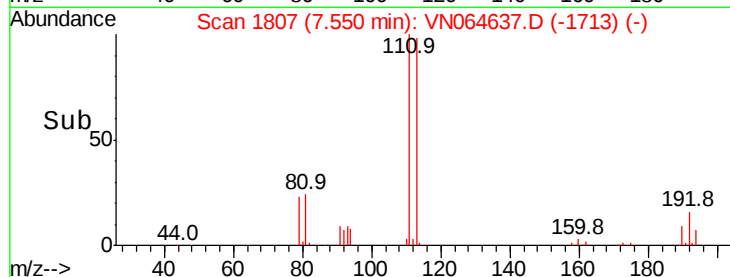
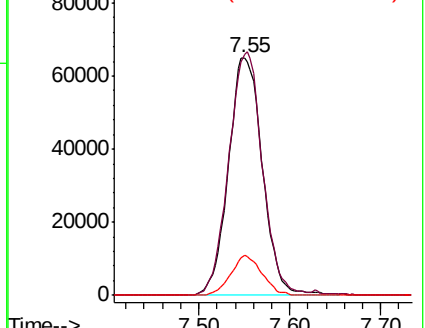
192 15.4 12.8 19.2



Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V



#36

1,1-Dichloropropene

Concen: 4.346 ug/l

RT: 7.63 min Scan# 1831

Delta R.T. -0.13 min

Lab File: VN064637.D

Acq: 13 Nov 2020 17:57

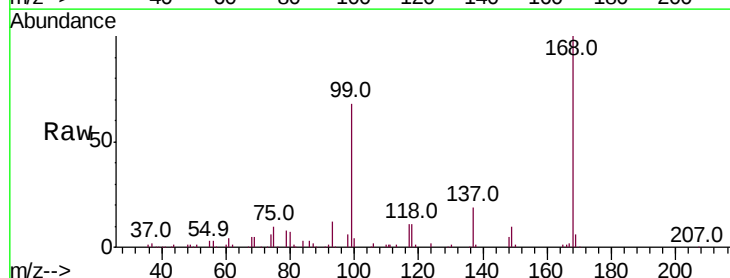
Tgt Ion: 75 Resp: 21456

Ion Ratio Lower Upper

75 100

110 10.4 16.0 48.0#

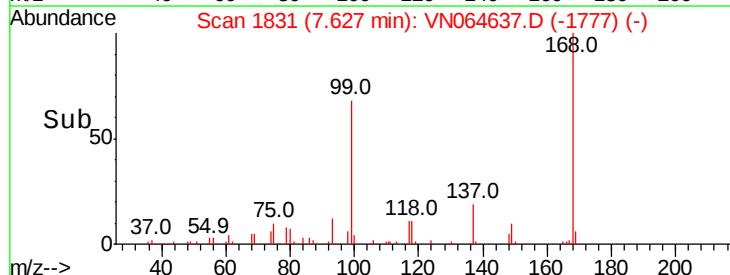
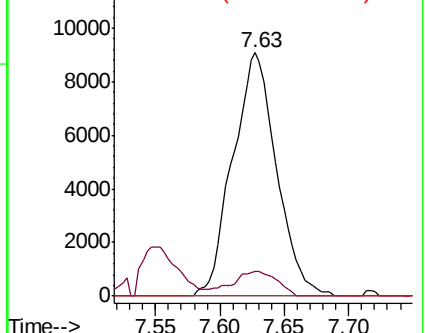
77 0.0 24.0 36.0#

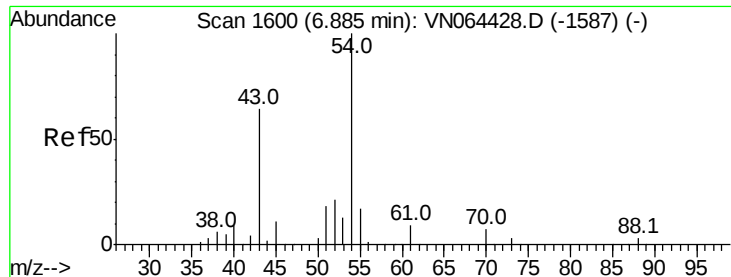


Abundance Ion 74.90 (74.60 to 75.60): V

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): V





#37

Ethyl Acetate

Concen: 0.776 ug/l

RT: 6.89 min Scan# 1601

Delta R.T. 0.00 min

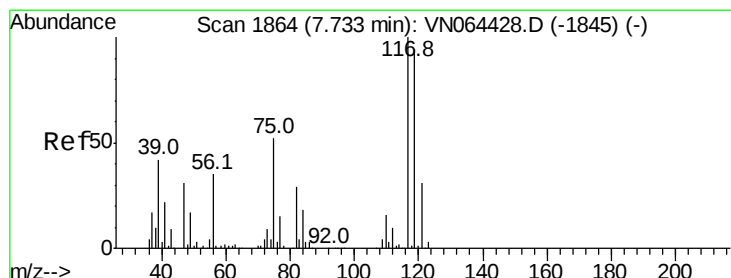
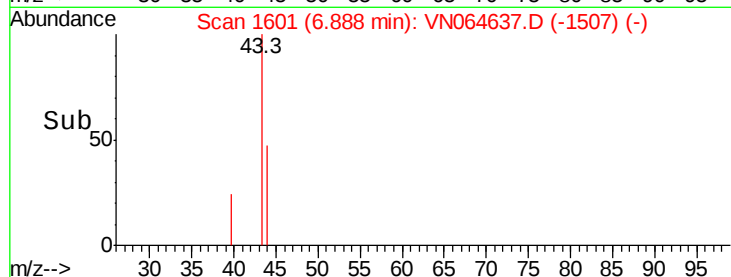
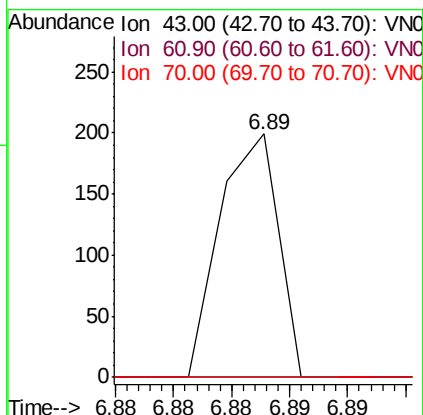
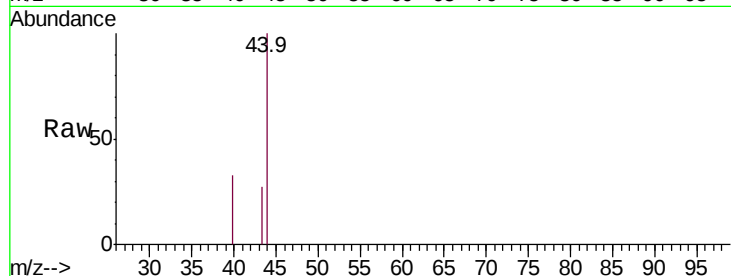
Lab File: VN064637.D

Acq: 13 Nov 2020 17:57

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STORAGE-BLANK-WATER-REF-4

Tot Ion: 43 Resp: 69

Ion	Ratio	Lower	Upper
43	100		
61	0.0	10.0	15.0#
70	0.0	7.1	10.7#



#38

Carbon Tetrachloride

Concen: 4.716 ug/l

RT: 7.62 min Scan# 1830

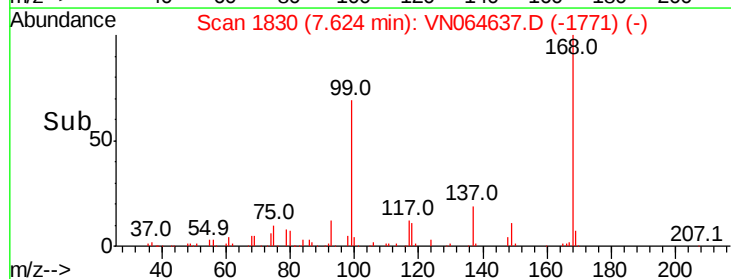
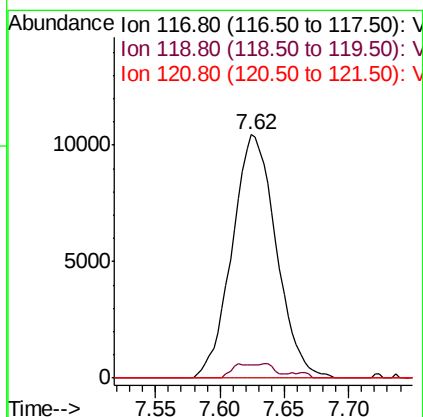
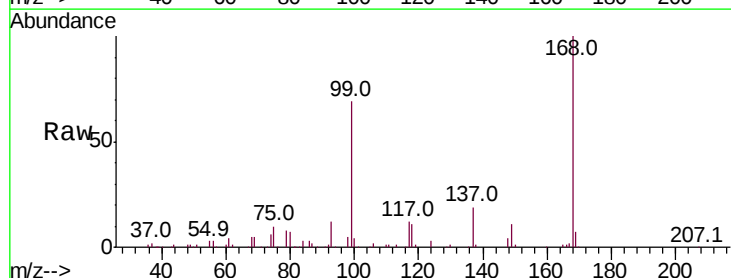
Delta R.T. -0.11 min

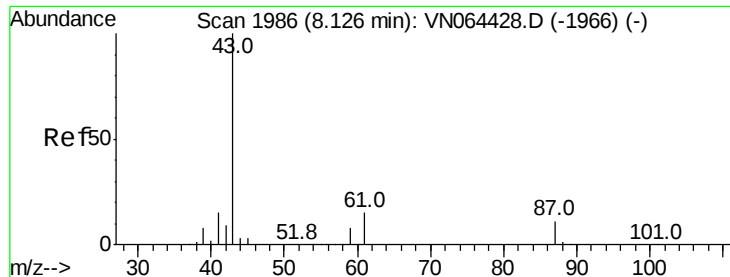
Lab File: VN064637.D

Acq: 13 Nov 2020 17:57

Tgt Ion: 117 Resp: 24884

Ion	Ratio	Lower	Upper
117	100		
119	5.4	75.5	113.3#
121	0.0	24.4	36.6#





#43

Isopropyl Acetate

Concen: 1.146 ug/l

RT: 8.24 min Scan# 2021

Delta R.T. 0.11 min

Lab File: VN064637.D

Acq: 13 Nov 2020 17:57

Instrument :

MSVOA_N

ClientSampleId :

STORAGE-BLANK-WATER-REF-4

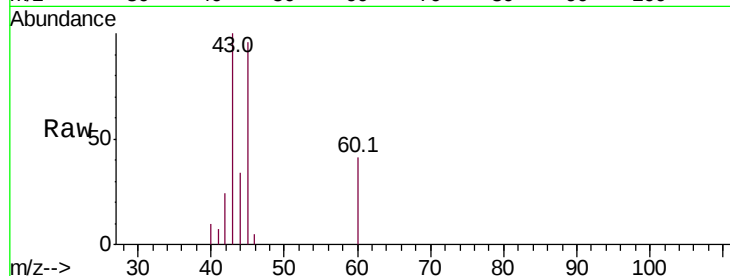
Tot Ion: 43 Resp: 9167

Ion Ratio Lower Upper

43 100

61 0.0 14.0 21.0#

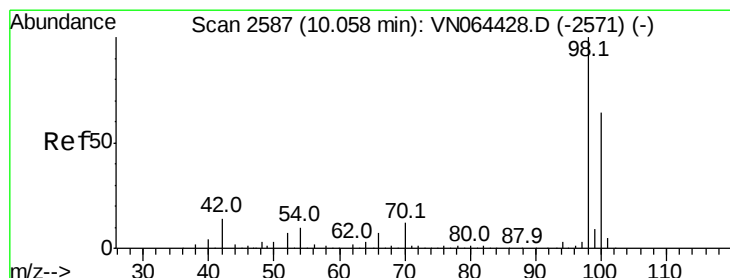
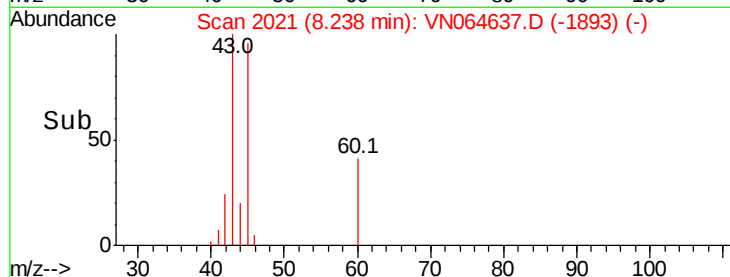
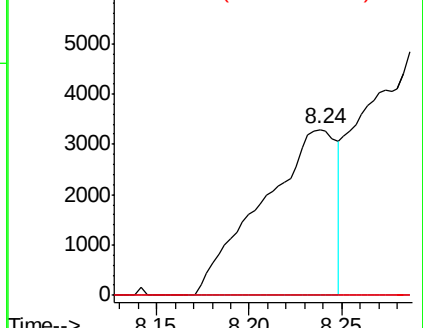
87 0.0 9.1 13.7#



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 61.00 (60.70 to 61.70): VN0

Ion 87.00 (86.70 to 87.70): VN0



#50

Toluene-d8

Concen: 48.759 ug/l

RT: 10.06 min Scan# 2588

Delta R.T. 0.00 min

Lab File: VN064637.D

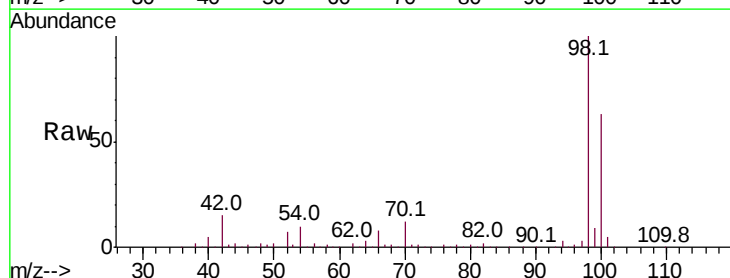
Acq: 13 Nov 2020 17:57

Tgt Ion: 98 Resp: 599642

Ion Ratio Lower Upper

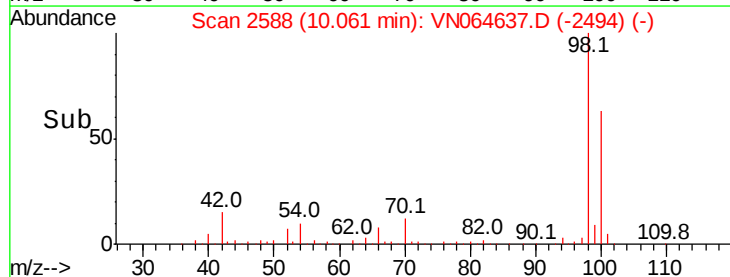
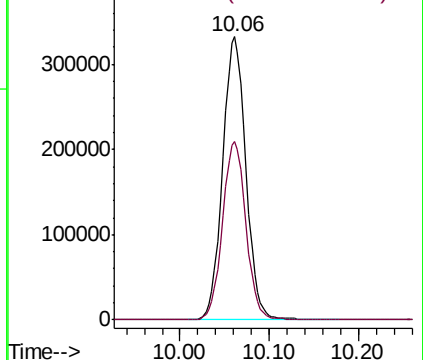
98 100

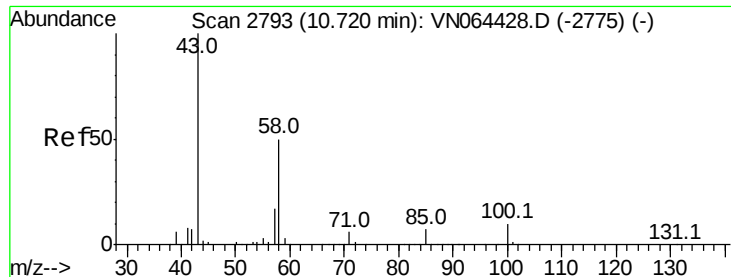
100 63.3 50.7 76.1



Abundance Ion 98.00 (97.70 to 98.70): VN0

Ion 100.00 (99.70 to 100.70): VN0

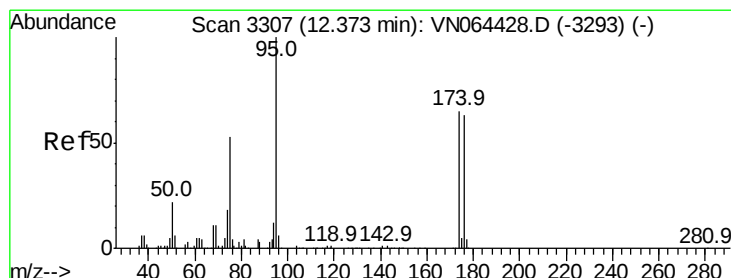
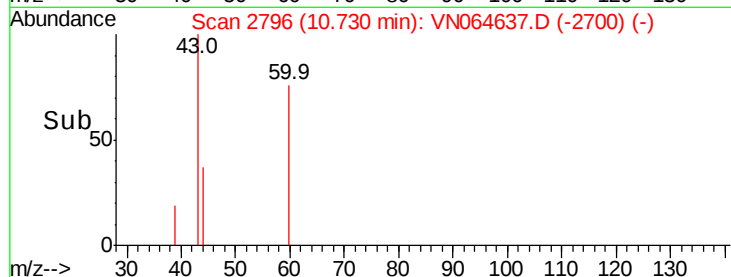
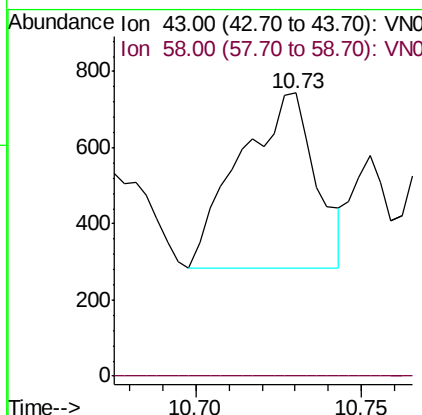
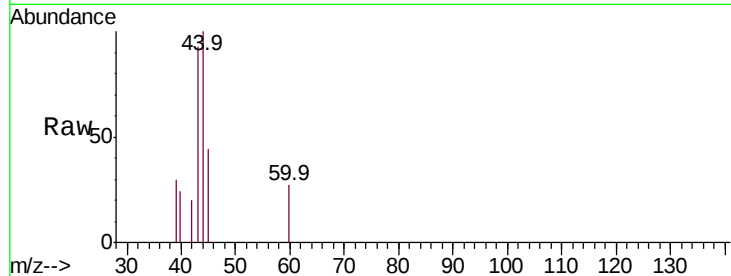




#59
2-Hexanone
Concen: 4.219 ug/l
RT: 10.73 min Scan# 2796
Delta R.T. 0.01 min
Lab File: VN064637.D
Acq: 13 Nov 2020 17:57

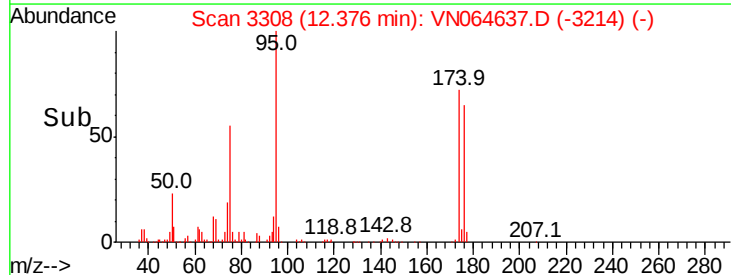
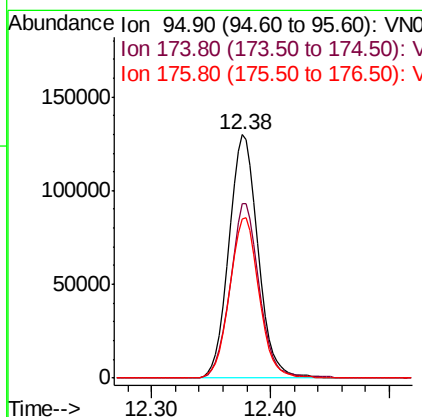
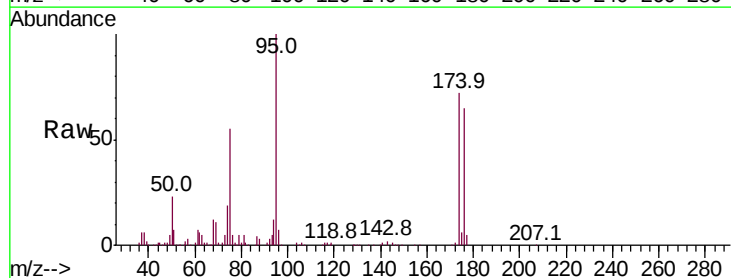
Instrument :
MSVOA_N
ClientSampleId :
STORAGE-BLANK-WATER-REF-4

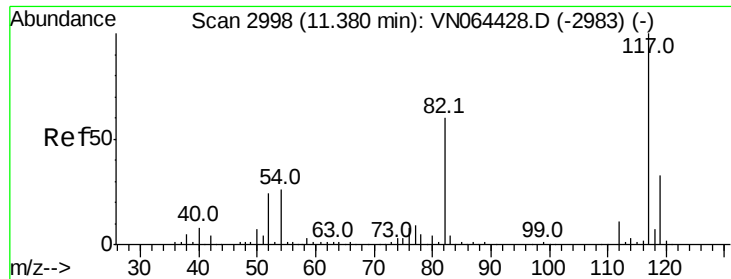
Tot Ion: 43 Resp: 737
Ion Ratio Lower Upper
43 100
58 0.0 24.7 74.1#



#62
4-Bromofluorobenzene
Concen: 47.368 ug/l
RT: 12.38 min Scan# 3308
Delta R.T. 0.00 min
Lab File: VN064637.D
Acq: 13 Nov 2020 17:57

Tgt Ion: 95 Resp: 220308
Ion Ratio Lower Upper
95 100
174 71.5 0.0 132.6
176 66.7 0.0 129.2

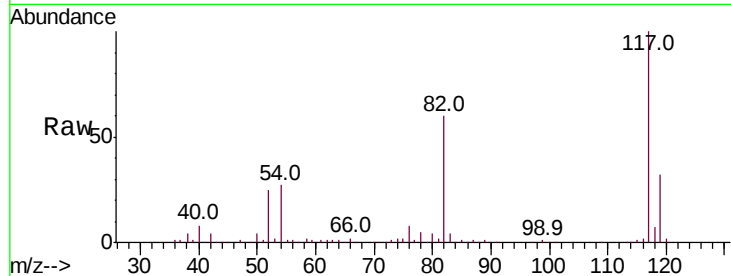




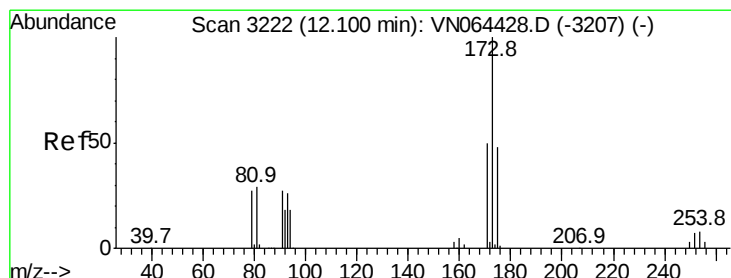
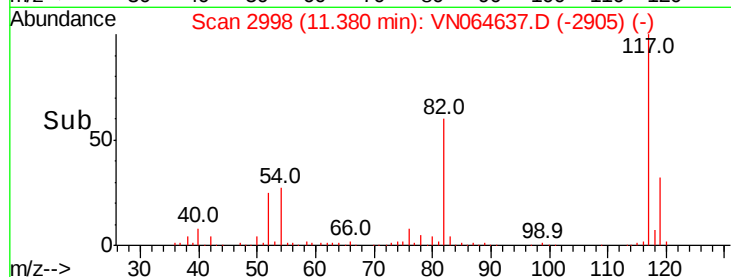
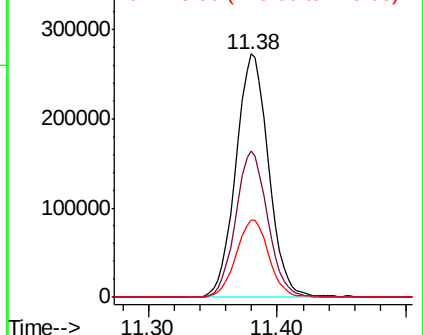
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.38 min Scan# 2998
Delta R.T. -0.00 min
Lab File: VN064637.D
Acq: 13 Nov 2020 17:57

Instrument :
MSVOA_N
ClientSampleId :
STORAGE-BLANK-WATER-REF-4

Tot Ion:117 Resp: 481680
Ion Ratio Lower Upper
117 100
82 60.2 48.1 72.1
119 31.7 26.2 39.4

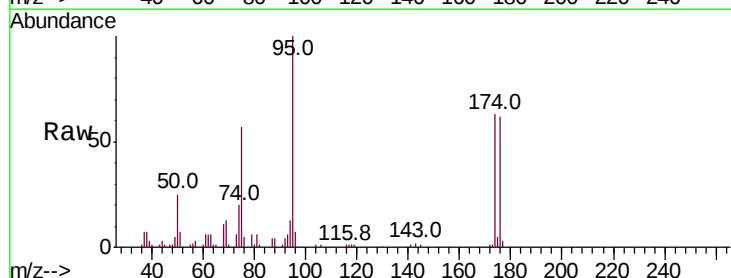


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VN0
Ion 118.90 (118.60 to 119.60): V

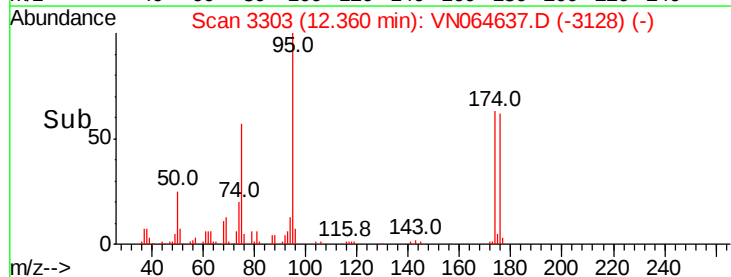
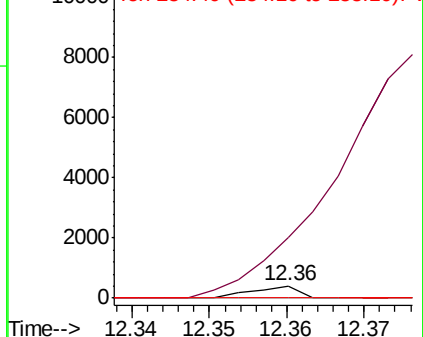


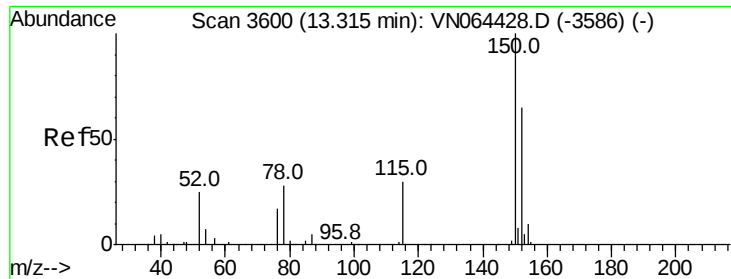
#71
Bromoform
Concen: 1.328 ug/l
RT: 12.36 min Scan# 3303
Delta R.T. 0.26 min
Lab File: VN064637.D
Acq: 13 Nov 2020 17:57

Tgt Ion:173 Resp: 159
Ion Ratio Lower Upper
173 100
175 0.0 23.7 71.1#
254 0.0 0.0 0.0



Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.32 min Scan# 3601

Delta R.T. 0.00 min

Lab File: VN064637.D

Acq: 13 Nov 2020 17:57

Instrument :

MSVOA_N

ClientSampleId :

STORAGE-BLANK-WATER-REF-4

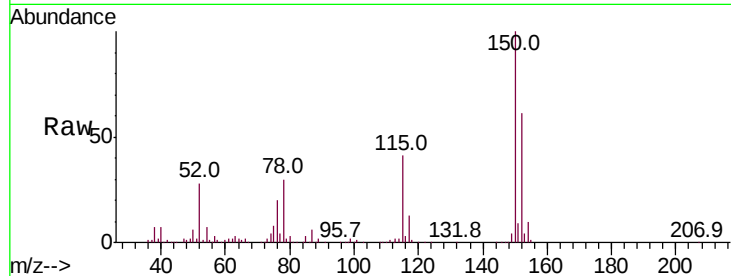
Tot Ion:152 Resp: 173760

Ion Ratio Lower Upper

152 100

115 65.7 32.0 96.0

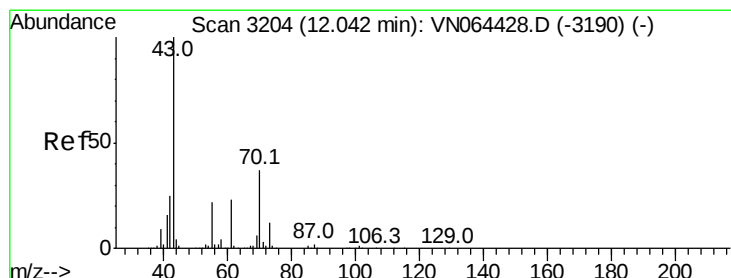
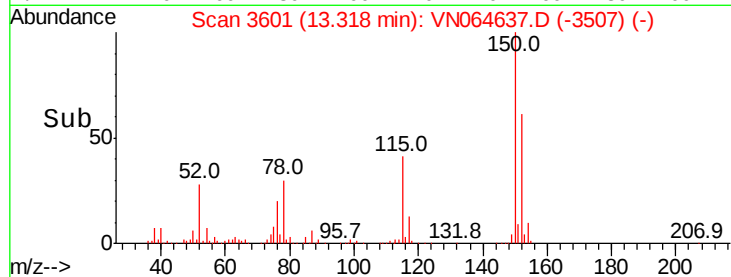
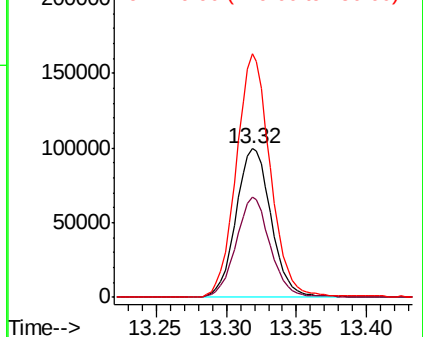
150 159.2 0.0 353.8



Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V



#74

N-ethyl acetate

Concen: 1.226 ug/l

RT: 12.03 min Scan# 3200

Delta R.T. -0.01 min

Lab File: VN064637.D

Acq: 13 Nov 2020 17:57

Tgt Ion: 43 Resp: 82

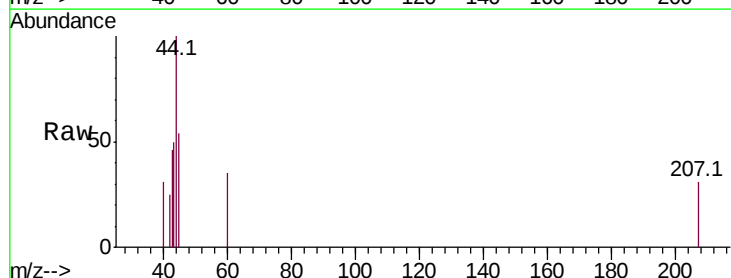
Ion Ratio Lower Upper

43 100

70 0.0 29.6 44.4#

55 0.0 18.4 27.6#

61 0.0 17.8 26.6#

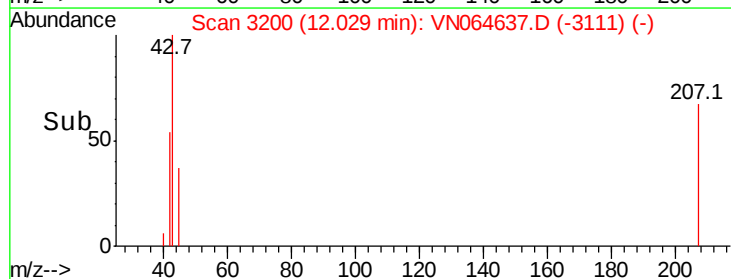
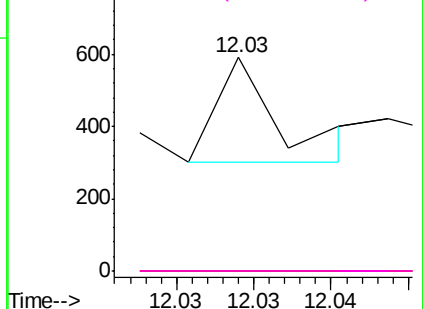


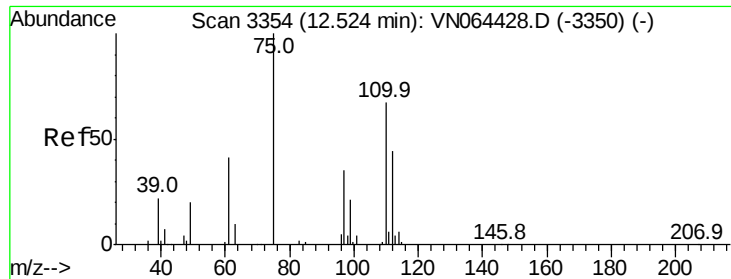
Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 70.00 (69.70 to 70.70): VN0

Ion 55.00 (54.70 to 55.70): VN0

Ion 61.00 (60.70 to 61.70): VN0

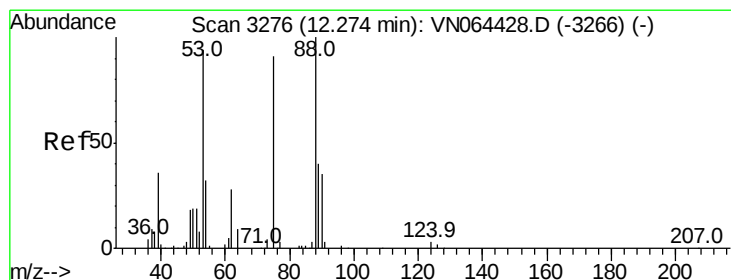
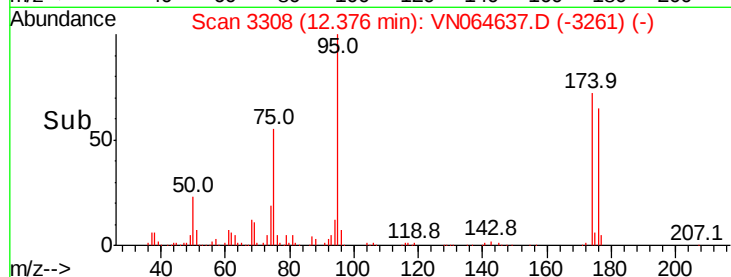
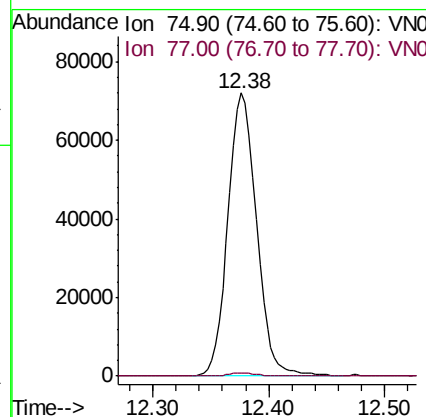
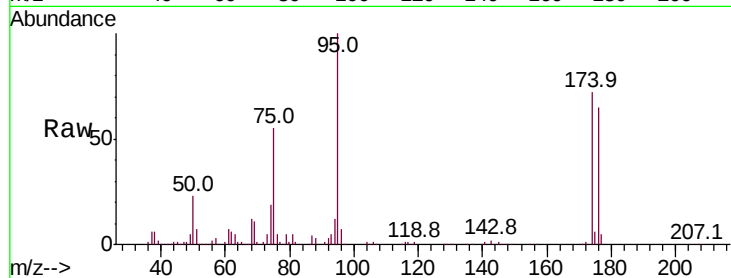




#76
 1,2,3-Trichloropropane
 Concen: 29.248 ug/l
 RT: 12.38 min Scan# 3308
 Delta R.T. -0.15 min
 Lab File: VN064637.D
 Acq: 13 Nov 2020 17:57

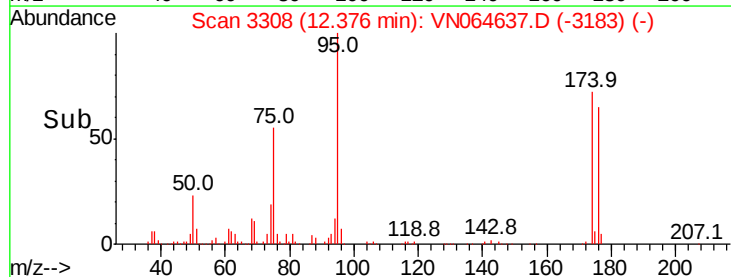
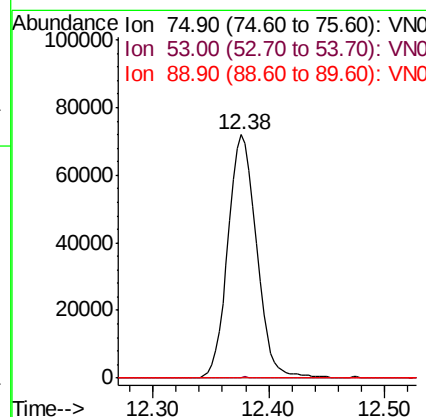
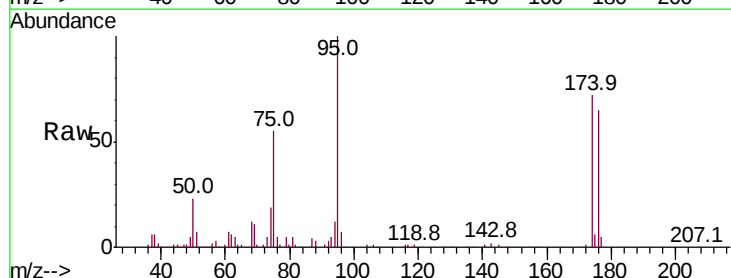
Instrument :
 MSVOA_N
 ClientSampleId :
 STORAGE-BLANK-WATER-REF-4

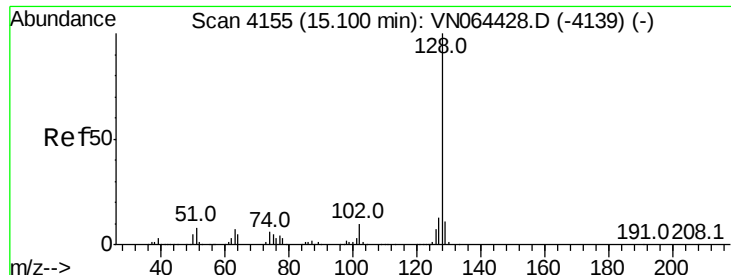
Tot Ion: 75 Resp: 123136
 Ion Ratio Lower Upper
 75 100
 77 1.0 0.0 0.0#



#81
 trans-1,4-Dichloro-2-butene
 Concen: 81.664 ug/l
 RT: 12.38 min Scan# 3308
 Delta R.T. 0.10 min
 Lab File: VN064637.D
 Acq: 13 Nov 2020 17:57

Tgt Ion: 75 Resp: 123136
 Ion Ratio Lower Upper
 75 100
 53 0.2 84.0 126.0#
 89 0.0 36.3 54.5#

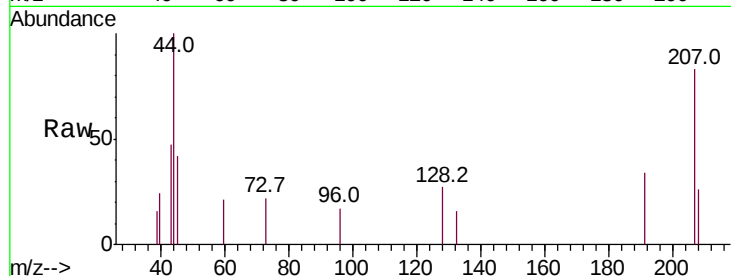




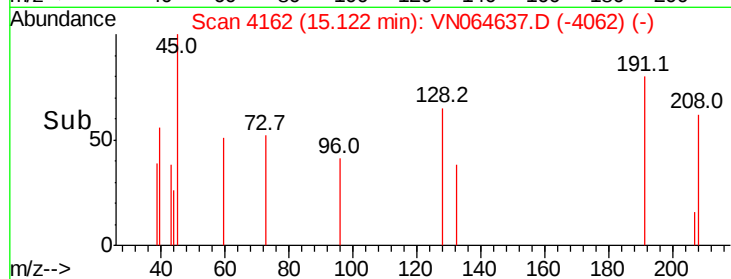
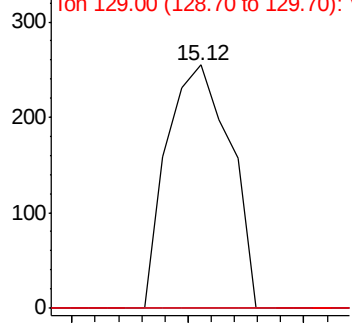
#95
Naphthalene
Concen: 3.642 ug/l
RT: 15.12 min Scan# 4162
Delta R.T. 0.02 min
Lab File: VN064637.D
Acq: 13 Nov 2020 17:57

Instrument :
MSVOA_N
ClientSampleId :
STORAGE-BLANK-WATER-REF-4

Tot Ion:128 Resp: 193
Ion Ratio Lower Upper
128 100
127 0.0 10.5 15.7#
129 0.0 8.8 13.2#



Abundance Ion 128.00 (127.70 to 128.70): V
Ion 127.00 (126.70 to 127.70): V
Ion 129.00 (128.70 to 129.70): V



Time--> 15.10 15.12 15.14