

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN111320\
 Data File : VN064636.D
 Acq On : 13 Nov 2020 17:33
 Operator : JC/MD
 Sample : L4748-02
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 STORAGE-BLANK-WATER-REF-5

Quant Time: Nov 17 01:58:35 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	216063	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.55	114	461068	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	468232	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	165155	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	224160	59.56	ug/l	0.00
Spiked Amount			Recovery	=	119.12%	
35) Dibromofluoromethane	7.55	113	164350	52.35	ug/l	0.00
Spiked Amount			Recovery	=	104.70%	
50) Toluene-d8	10.06	98	583220	48.07	ug/l	0.00
Spiked Amount			Recovery	=	96.14%	
62) 4-Bromofluorobenzene	12.38	95	213756	46.58	ug/l	0.00
Spiked Amount			Recovery	=	93.16%	

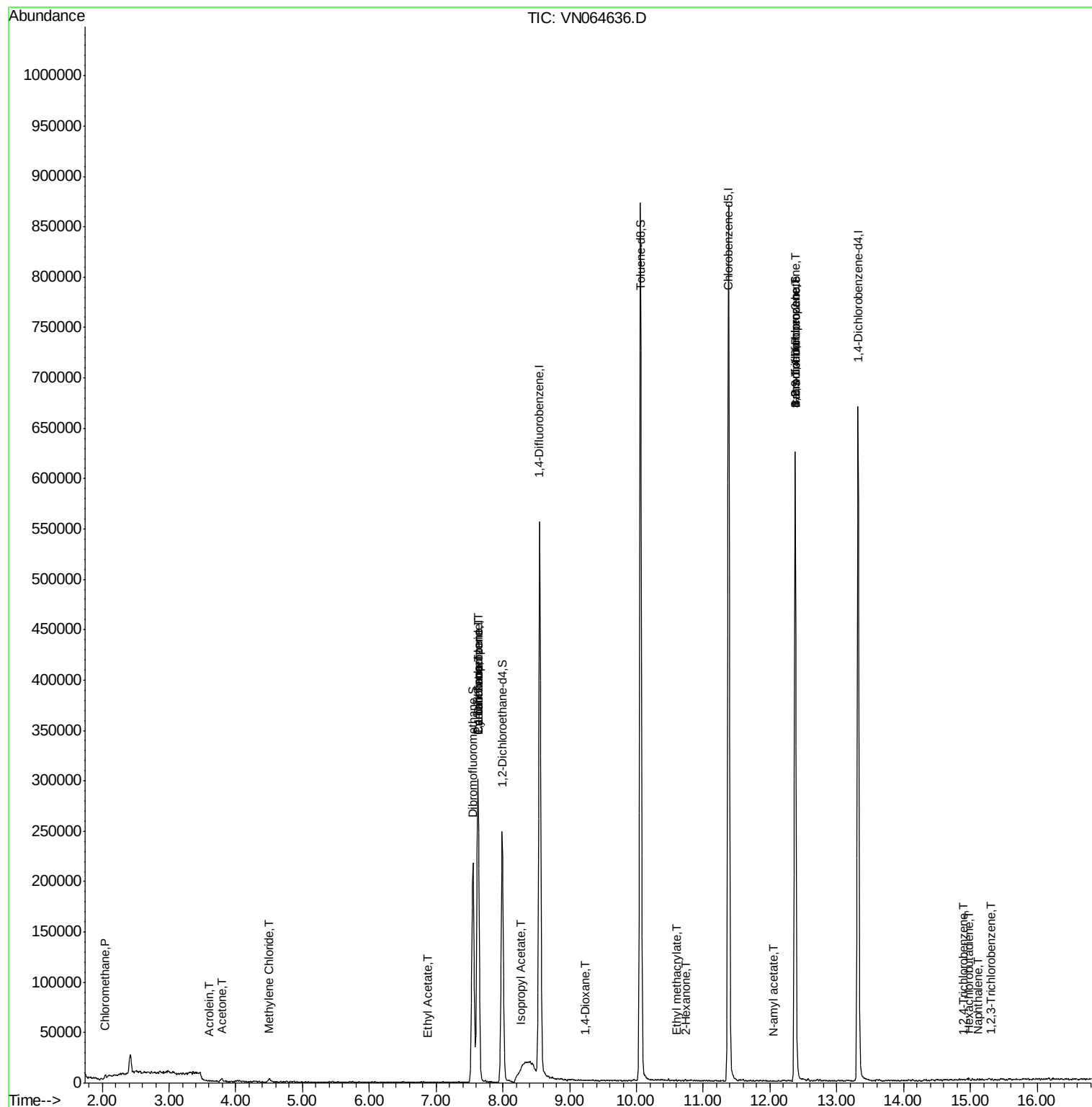
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	2.05	50	1982	0.580	ug/l	97
13) Acrolein	3.59	56	62	0.241	ug/l #	4
16) Acetone	3.79	43	5132	3.580	ug/l #	78
20) Methylene Chloride	4.49	84	884	0.311	ug/l #	70
31) Cyclohexane	7.62	56	6481	1.417	ug/l #	22
36) 1,1-Dichloropropene	7.63	75	21088	4.329	ug/l #	51
37) Ethyl Acetate	6.87	43	98	0.782	ug/l #	71
38) Carbon Tetrachloride	7.62	117	25020	4.806	ug/l #	18
43) Isopropyl Acetate	8.26	43	14246	1.805	ug/l #	64
49) 1,4-Dioxane	9.24	88	68	1.296	ug/l #	1
56) Ethyl methacrylate	10.60	69	32	1.847	ug/l #	1
59) 2-Hexanone	10.74	43	197	4.080	ug/l #	28
71) Bromoform	12.38	173	1282	1.710	ug/l #	1
74) N-amyl acetate	12.05	43	220	1.248	ug/l #	46
76) 1,2,3-Trichloropropane	12.38	75	120137	30.022	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.38	75	120137	83.826	ug/l #	8
93) 1,2,4-Trichlorobenzene	14.89	180	68	2.688	ug/l #	12
94) Hexachlorobutadiene	14.97	225	375	0.346	ug/l #	71
95) Naphthalene	15.12	128	1019	3.727	ug/l #	69
96) 1,2,3-Trichlorobenzene	15.30	180	329	2.897	ug/l #	74

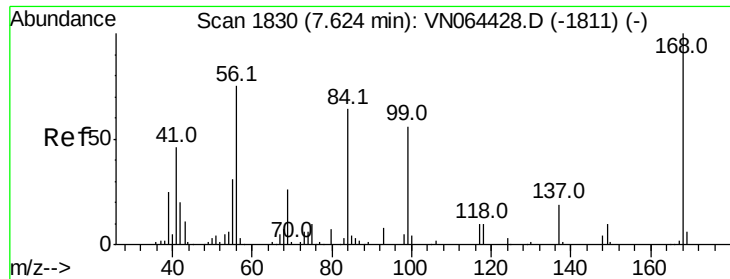
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA N\DATA\VN111320\
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Quant Title : SW846 8260
QLast Update : Wed Nov 04 12:09:03 2020
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: VN064636.D

Acq: 13 Nov 2020 17:33

Instrument :

MSVOA_N

ClientSampleId :

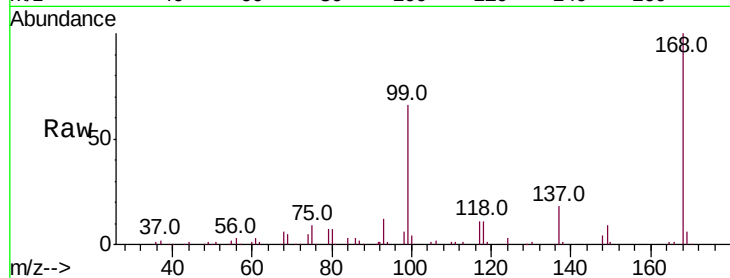
STORAGE-BLANK-WATER-REF-5

Tot Ion:168 Resp: 216063

Ion Ratio Lower Upper

168 100

99 66.3 53.4 80.2



Abundance Ion 167.90 (167.60 to 168.60): VN064428.D (-1811) (-)

Ion 98.90 (98.60 to 99.60): VN064428.D (-1811) (-)

7.63

100000

80000

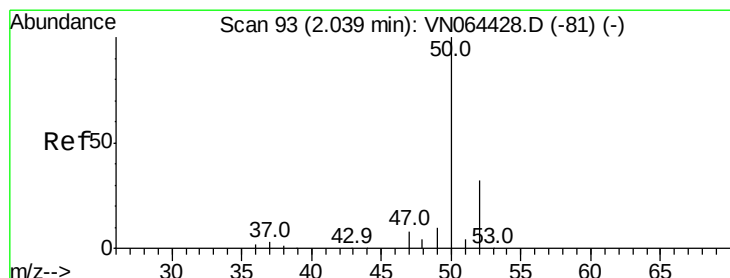
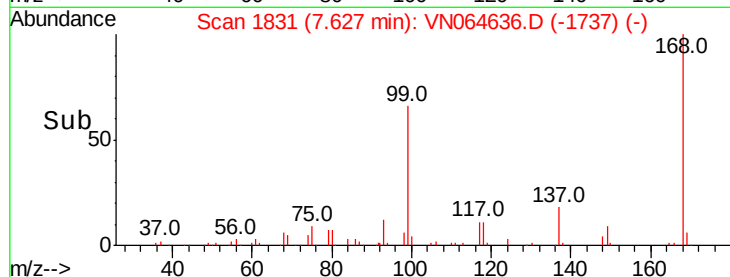
60000

40000

20000

0

Time--> 7.50 7.60 7.70



#3

Chloromethane

Concen: 0.580 ug/l

RT: 2.05 min Scan# 95

Delta R.T. 0.01 min

Lab File: VN064636.D

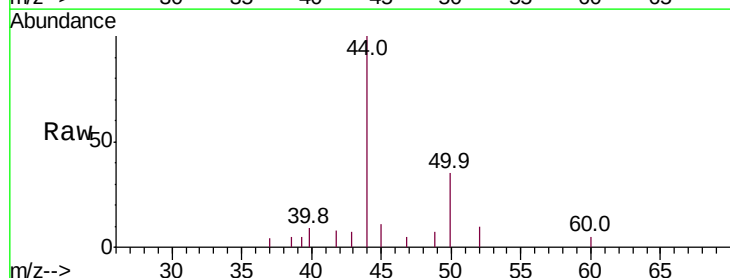
Acq: 13 Nov 2020 17:33

Tgt Ion: 50 Resp: 1982

Ion Ratio Lower Upper

50 100

52 29.9 25.3 37.9



Abundance Ion 49.90 (49.60 to 50.60): VN064428.D (-81) (-)

Ion 51.90 (51.60 to 52.60): VN064428.D (-81) (-)

2.05

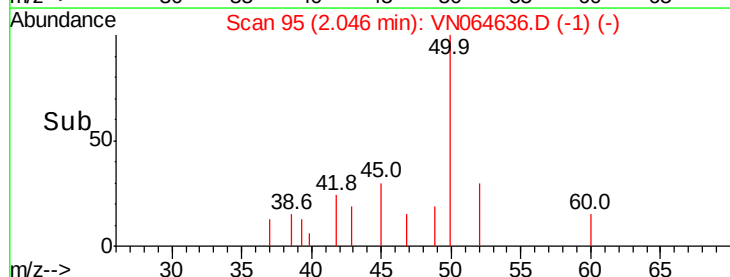
1500

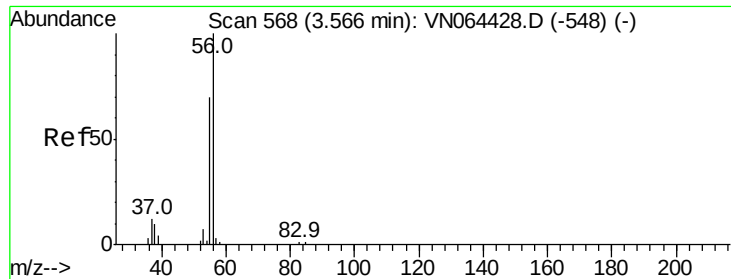
1000

500

0

Time--> 2.00 2.05





#13

Acrolein

Concen: 0.241 ug/l

RT: 3.59 min Scan# 575

Delta R.T. 0.02 min

Lab File: VN064636.D

Acq: 13 Nov 2020 17:33

Instrument :

MSVOA_N

ClientSampleId :

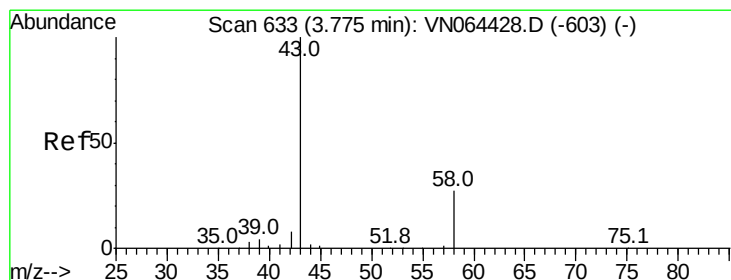
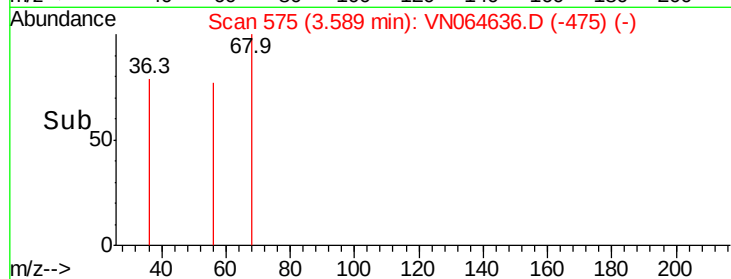
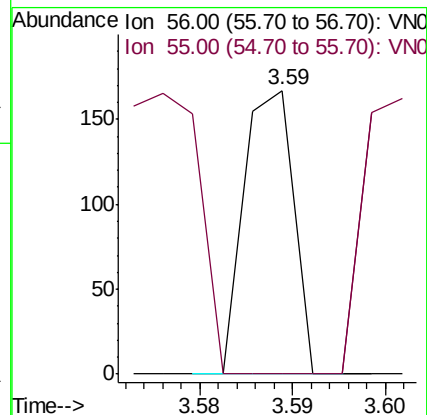
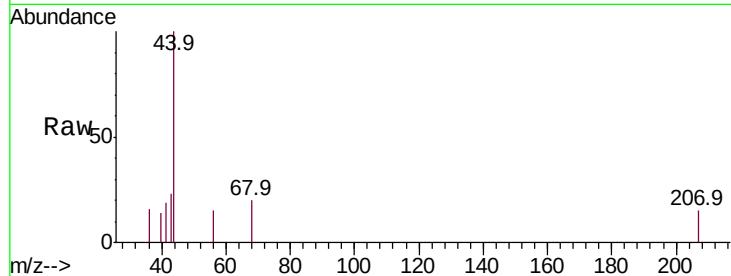
STORAGE-BLANK-WATER-REF-5

Tot Ion: 56 Resp: 62

Ion Ratio Lower Upper

56 100

55 148.4 55.9 83.9#



#16

Acetone

Concen: 3.580 ug/l

RT: 3.79 min Scan# 638

Delta R.T. 0.02 min

Lab File: VN064636.D

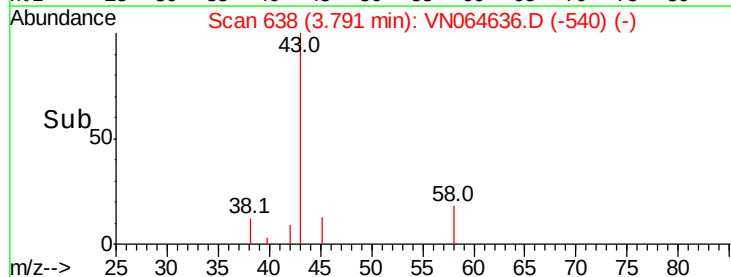
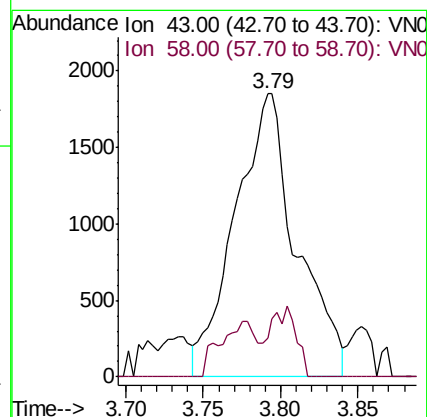
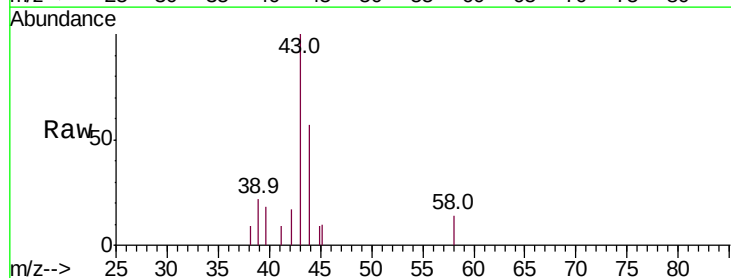
Acq: 13 Nov 2020 17:33

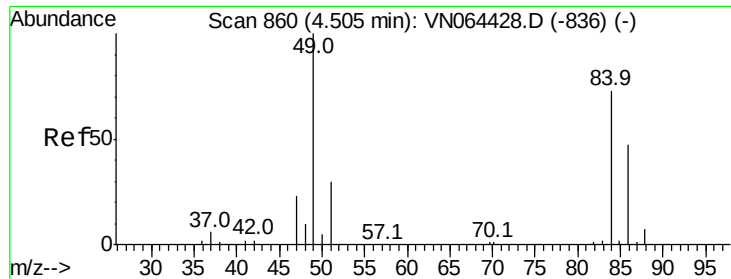
Tgt Ion: 43 Resp: 5132

Ion Ratio Lower Upper

43 100

58 15.5 21.4 32.0#

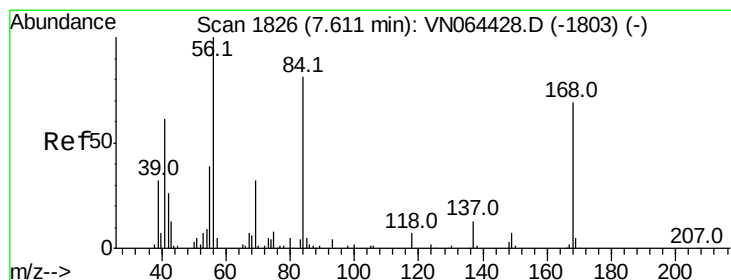
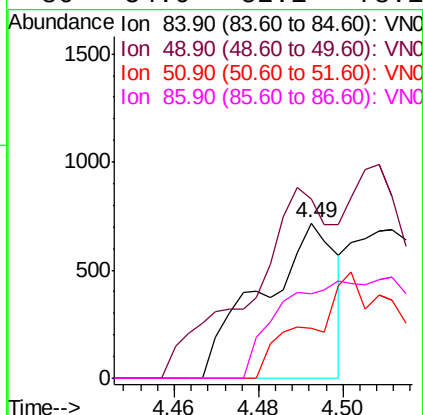
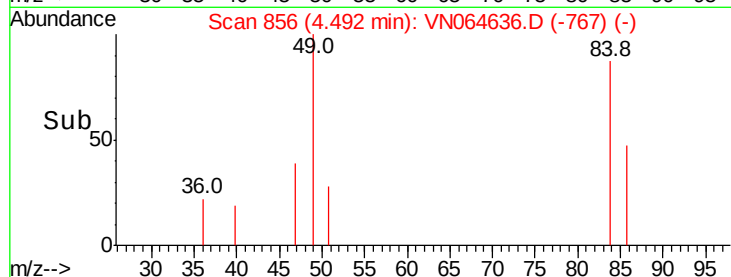
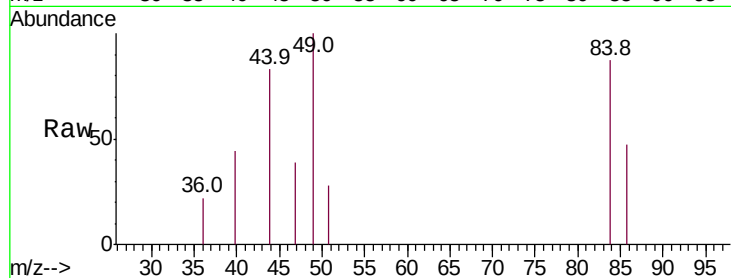




#20
Methvlene Chloride
Concen: 0.311 ug/l
RT: 4.49 min Scan# 856
Delta R.T. -0.01 min
Lab File: VN064636.D
Acq: 13 Nov 2020 17:33

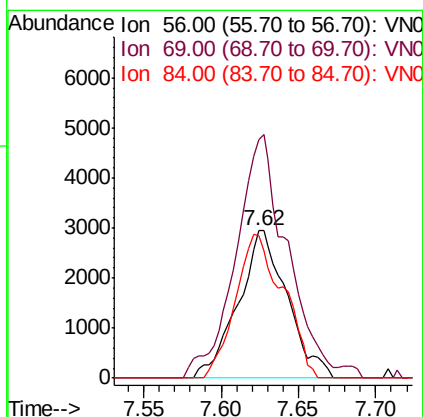
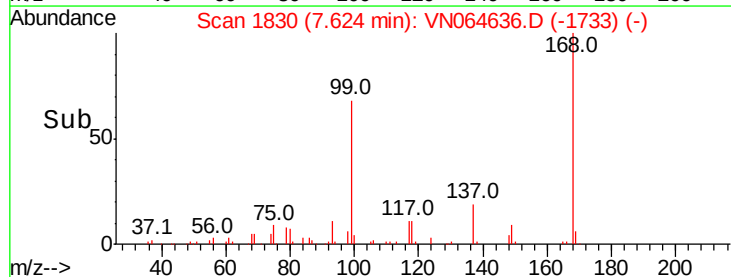
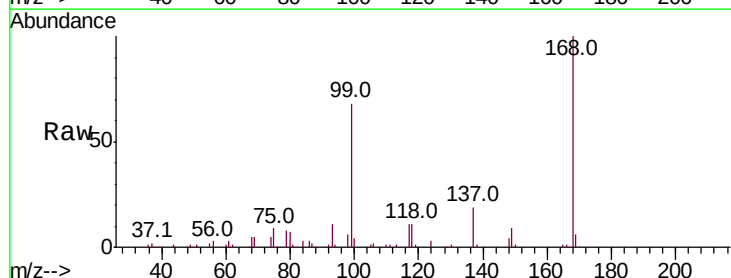
Instrument :
MSVOA_N
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STORAGE-BLANK-WATER-REF-5

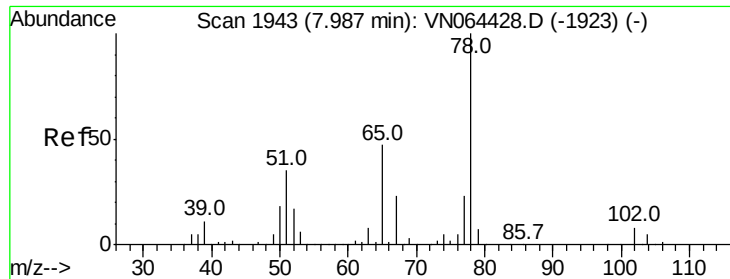
Tot Ion:	84	Resp:	884
Ion	Ratio	Lower	Upper
84	100		
49	86.5	110.1	165.1#
51	32.0	33.6	50.4#
86	54.0	52.1	78.1



#31
Cyclohexane
Concen: 1.417 ug/l
RT: 7.62 min Scan# 1830
Delta R.T. 0.01 min
Lab File: VN064636.D
Acq: 13 Nov 2020 17:33

Tgt Ion:	56	Resp:	6481
Ion	Ratio	Lower	Upper
56	100		
69	154.6	25.6	38.4#
84	97.0	63.0	94.6#

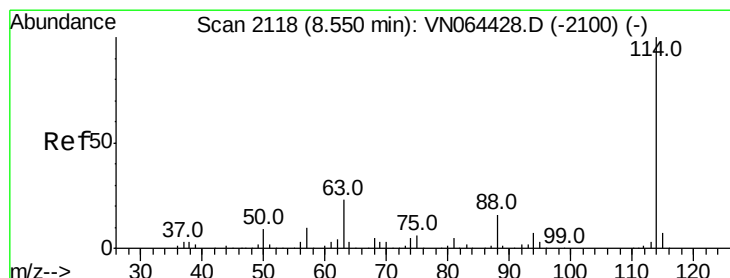
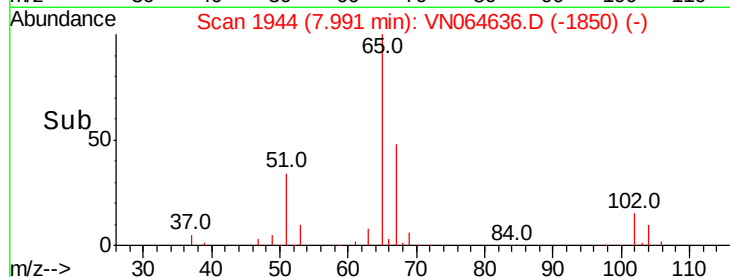
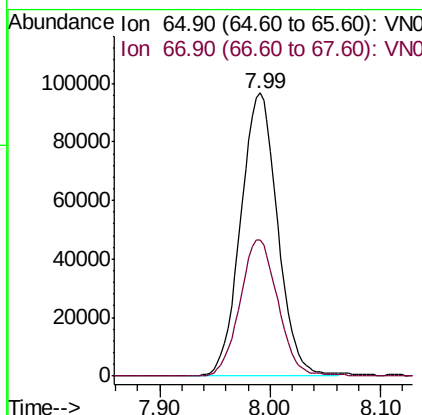
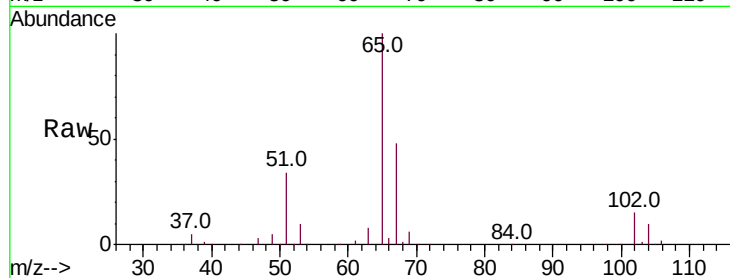




#33
 1,2-Dichloroethane-d4
 Concen: 59.562 ug/l
 RT: 7.99 min Scan# 1944
 Delta R.T. 0.00 min
 Lab File: VN064636.D
 Acq: 13 Nov 2020 17:33

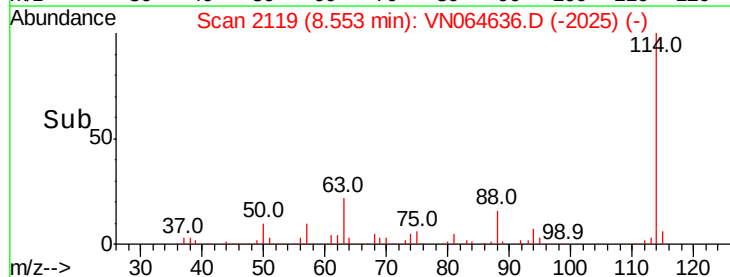
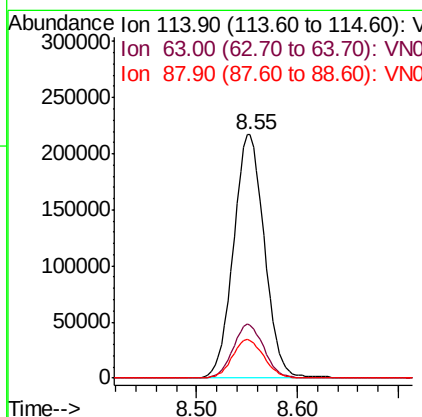
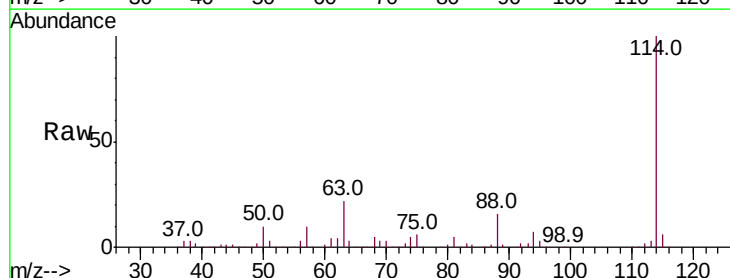
Instrument :
 MSVOA_N
 ClientSampleId :
 STORAGE-BLANK-WATER-REF-5

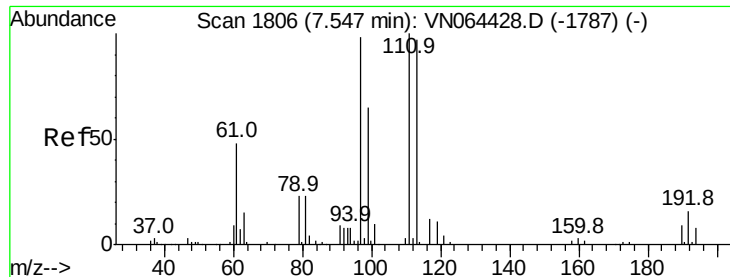
Tot Ion: 65 Resp: 224160
 Ion Ratio Lower Upper
 65 100
 67 49.3 0.0 101.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.55 min Scan# 2119
 Delta R.T. 0.00 min
 Lab File: VN064636.D
 Acq: 13 Nov 2020 17:33

Tgt Ion: 114 Resp: 461068
 Ion Ratio Lower Upper
 114 100
 63 21.5 0.0 45.6
 88 15.7 0.0 32.8

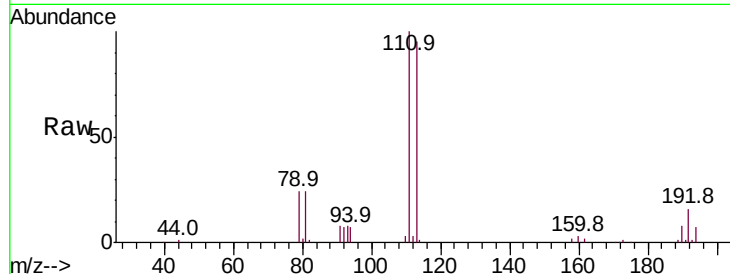




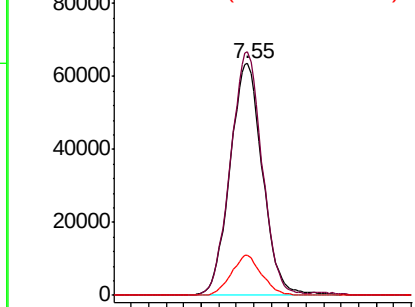
#35
Dibromofluoromethane
Concen: 52.353 ug/l
RT: 7.55 min Scan# 1808
Delta R.T. 0.01 min
Lab File: VN064636.D
Acq: 13 Nov 2020 17:33

Instrument :
MSVOA_N
ClientSampleId :
STORAGE-BLANK-WATER-REF-5

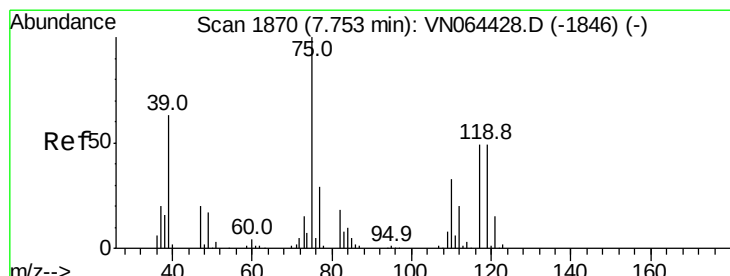
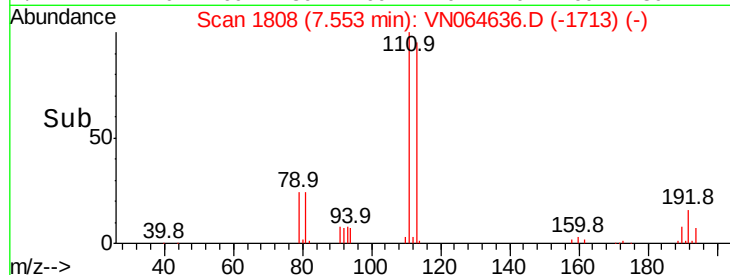
Tot Ion:113 Resp: 164350
Ion Ratio Lower Upper
113 100
111 102.2 81.1 121.7
192 16.1 12.8 19.2



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

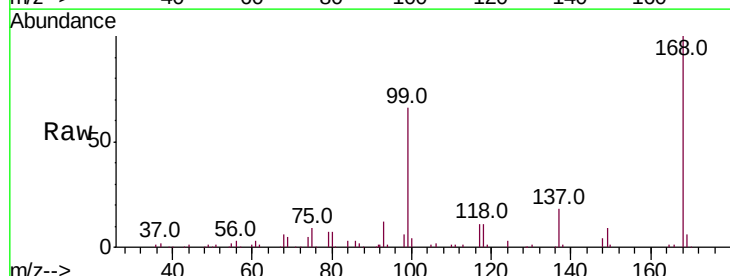


Time-->

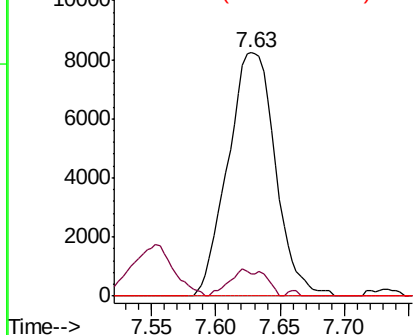


#36
1,1-Dichloropropene
Concen: 4.329 ug/l
RT: 7.63 min Scan# 1831
Delta R.T. -0.13 min
Lab File: VN064636.D
Acq: 13 Nov 2020 17:33

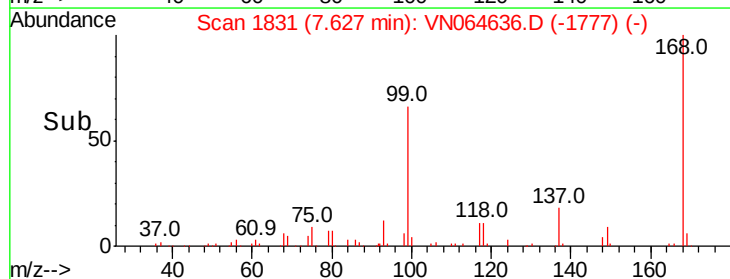
Tgt Ion: 75 Resp: 21088
Ion Ratio Lower Upper
75 100
110 8.3 16.0 48.0#
77 0.0 24.0 36.0#

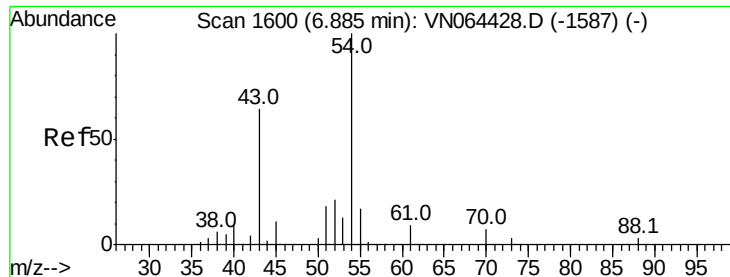


Abundance Ion 74.90 (74.60 to 75.60): V
Ion 109.90 (109.60 to 110.60): V
Ion 76.90 (76.60 to 77.60): V



Time-->





#37

Ethyl Acetate

Concen: 0.782 ug/l

RT: 6.87 min Scan# 1595

Delta R.T. -0.02 min

Lab File: VN064636.D

Acq: 13 Nov 2020 17:33

Instrument :

MSVOA_N

ClientSampleId :

STORAGE-BLANK-WATER-REF-5

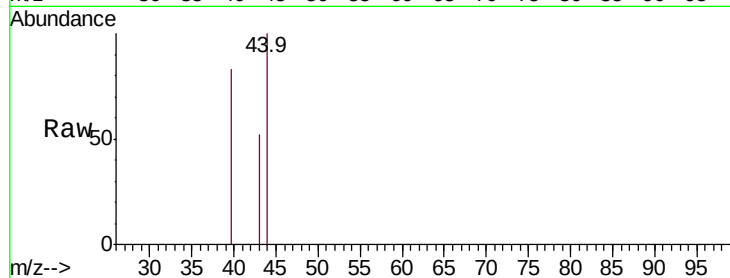
Tot Ion: 43 Resp: 98

Ion Ratio Lower Upper

43 100

61 0.0 10.0 15.0#

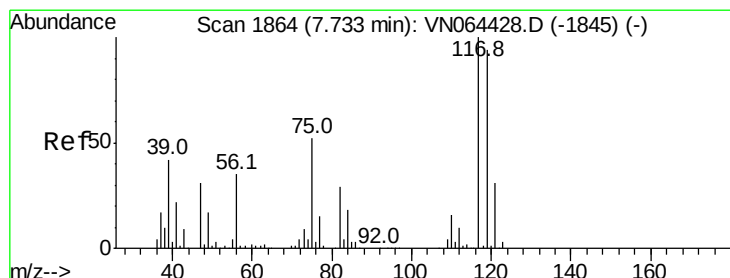
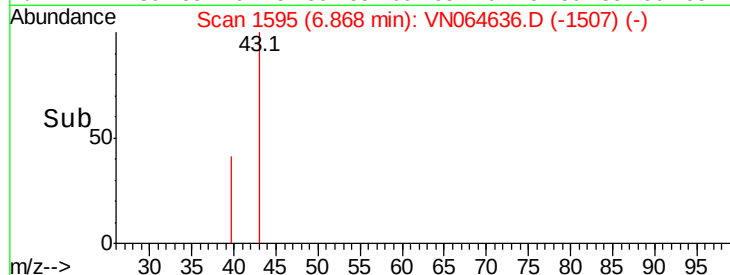
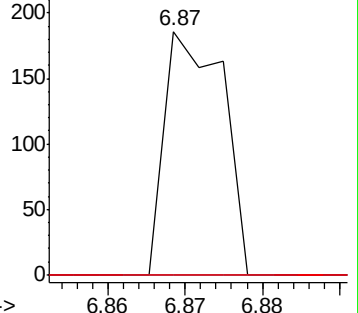
70 0.0 7.1 10.7#



Abundance Ion 43.00 (42.70 to 43.70): VN064428.D (-1587) (-)

Ion 60.90 (60.60 to 61.60): VN064428.D (-1587) (-)

Ion 70.00 (69.70 to 70.70): VN064428.D (-1587) (-)



#38

Carbon Tetrachloride

Concen: 4.806 ug/l

RT: 7.62 min Scan# 1830

Delta R.T. -0.11 min

Lab File: VN064636.D

Acq: 13 Nov 2020 17:33

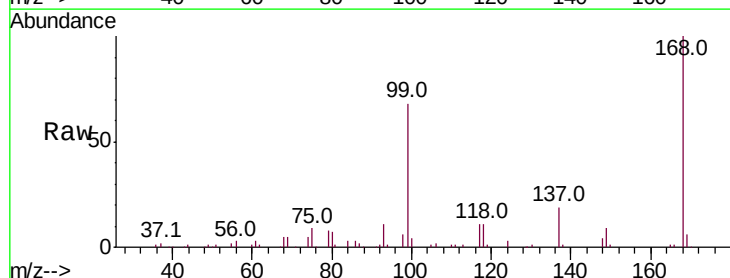
Tgt Ion: 117 Resp: 25020

Ion Ratio Lower Upper

117 100

119 7.2 75.5 113.3#

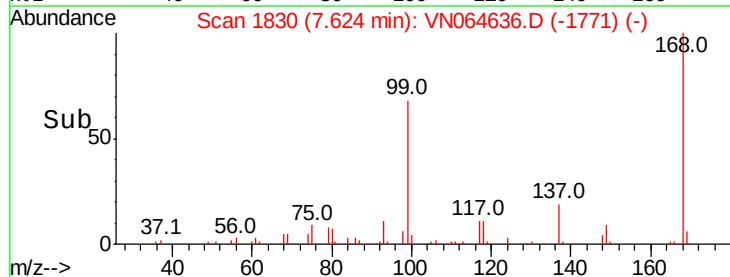
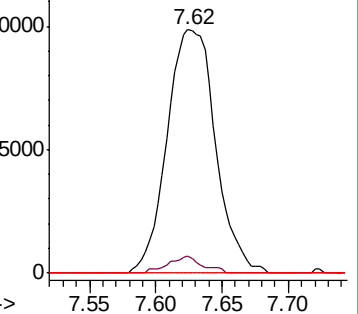
121 0.0 24.4 36.6#

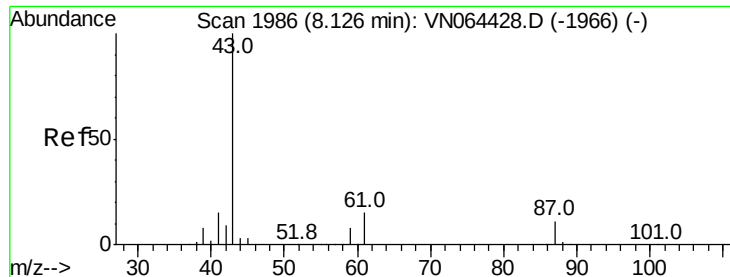


Abundance Ion 116.80 (116.50 to 117.50): VN064428.D (-1845) (-)

Ion 118.80 (118.50 to 119.50): VN064428.D (-1845) (-)

Ion 120.80 (120.50 to 121.50): VN064428.D (-1845) (-)





#43

Isopropyl Acetate

Concen: 1.805 ug/l

RT: 8.26 min Scan# 2028

Delta R.T. 0.13 min

Lab File: VN064636.D

Acq: 13 Nov 2020 17:33

Instrument :

MSVOA_N

ClientSampleId :

STORAGE-BLANK-WATER-REF-5

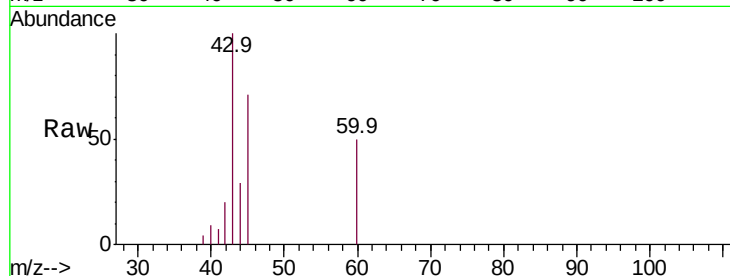
Tot Ion: 43 Resp: 14246

Ion Ratio Lower Upper

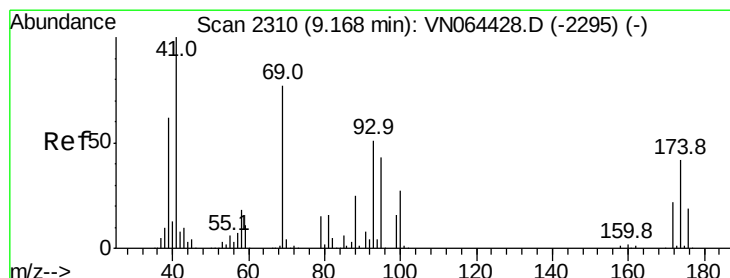
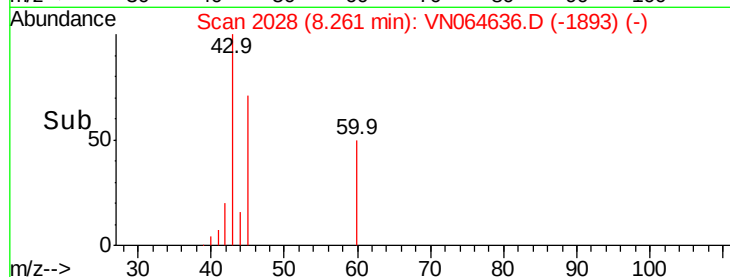
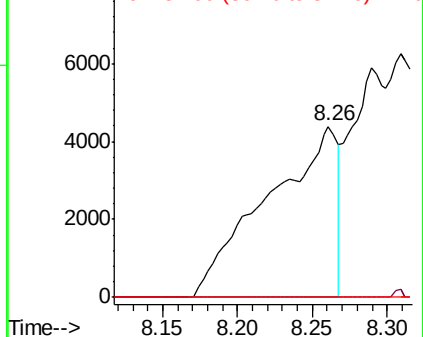
43 100

61 0.0 14.0 21.0#

87 0.0 9.1 13.7#



Abundance Ion 43.00 (42.70 to 43.70): VNO
Ion 61.00 (60.70 to 61.70): VNO
Ion 87.00 (86.70 to 87.70): VNO



#49

1,4-Dioxane

Concen: 1.296 ug/l

RT: 9.24 min Scan# 2333

Delta R.T. 0.07 min

Lab File: VN064636.D

Acq: 13 Nov 2020 17:33

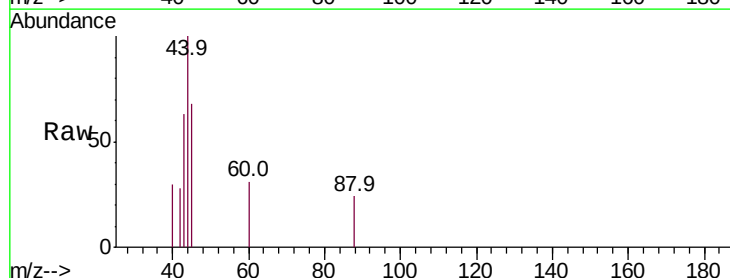
Tgt Ion: 88 Resp: 68

Ion Ratio Lower Upper

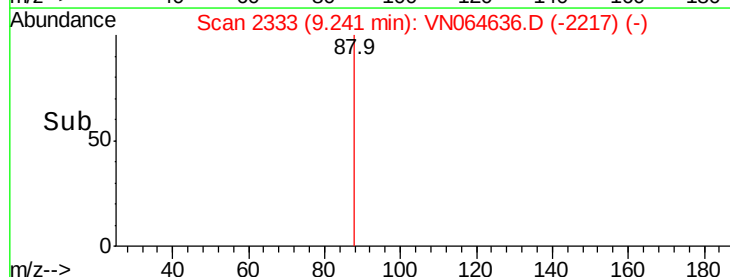
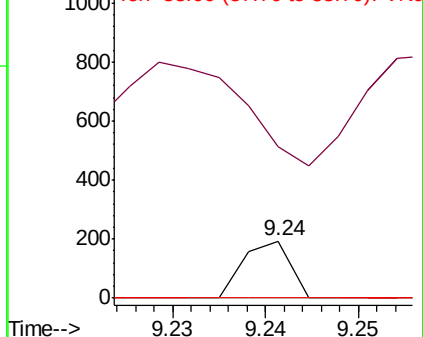
88 100

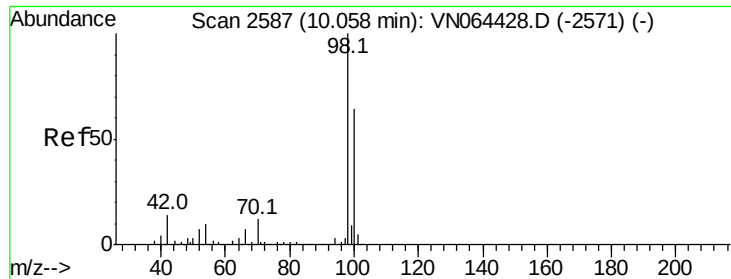
43 569.1 31.0 46.6#

58 0.0 58.4 87.6#



Abundance Ion 88.00 (87.70 to 88.70): VNO
Ion 43.00 (42.70 to 43.70): VNO
Ion 58.00 (57.70 to 58.70): VNO





#50

Toluene-d8

Concen: 48.068 ug/l

RT: 10.06 min Scan# 2588

Delta R.T. 0.00 min

Lab File: VN064636.D

Acq: 13 Nov 2020 17:33

Instrument :

MSVOA_N

ClientSampleId :

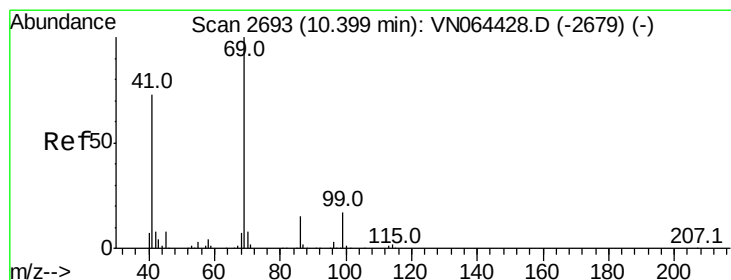
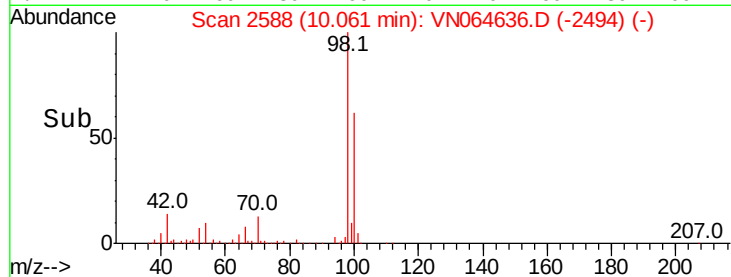
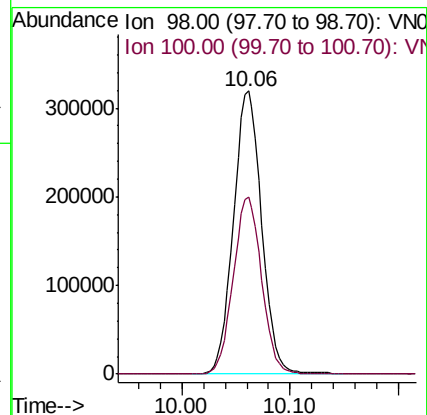
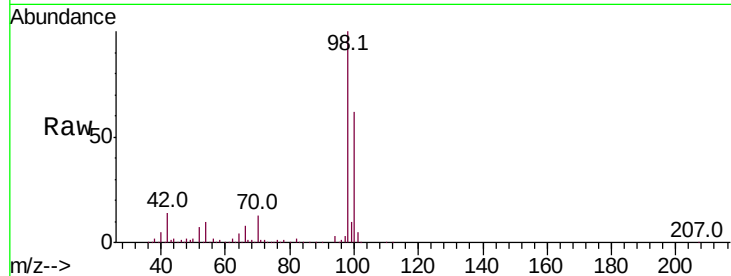
STORAGE-BLANK-WATER-REF-5

Tot Ion: 98 Resp: 583220

Ion Ratio Lower Upper

98 100

100 62.6 50.7 76.1



#56

Ethyl methacrylate

Concen: 1.847 ug/l

RT: 10.60 min Scan# 2756

Delta R.T. 0.20 min

Lab File: VN064636.D

Acq: 13 Nov 2020 17:33

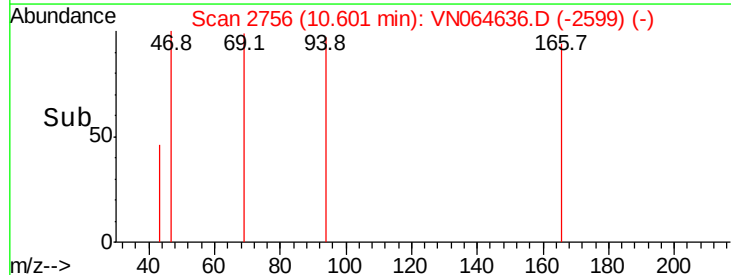
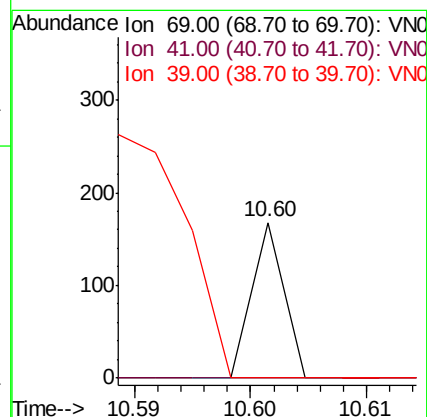
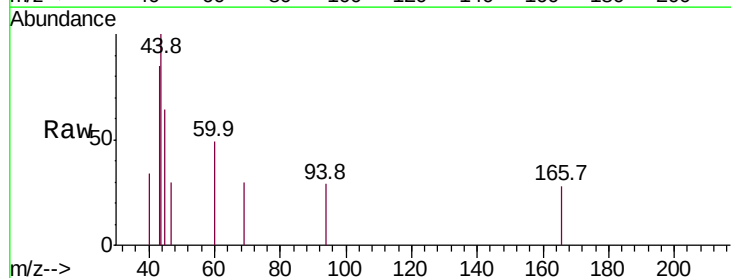
Tgt Ion: 69 Resp: 32

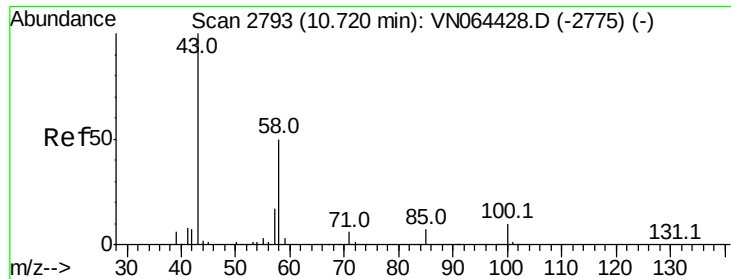
Ion Ratio Lower Upper

69 100

41 90.6 59.3 88.9#

39 531.3 35.4 53.0#





#59

2-Hexanone

Concen: 4.080 ug/l

RT: 10.74 min Scan# 2798

Delta R.T. 0.02 min

Lab File: VN064636.D

Acq: 13 Nov 2020 17:33

Instrument :

MSVOA_N

ClientSampleId :

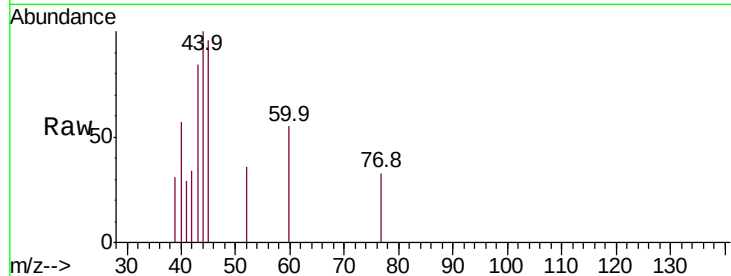
STORAGE-BLANK-WATER-REF-5

Tot Ion: 43 Resp: 197

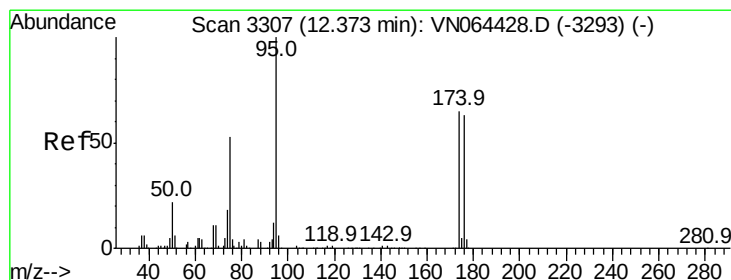
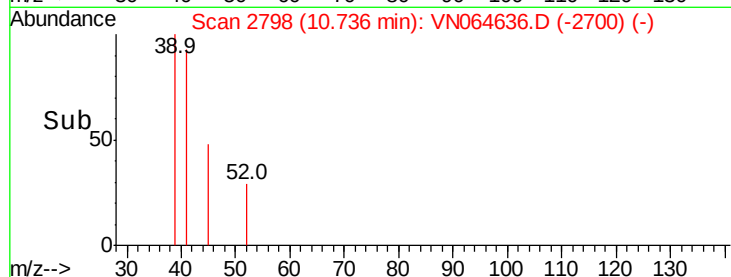
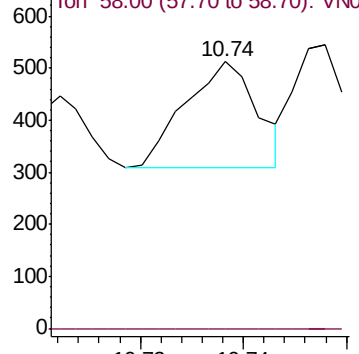
Ion Ratio Lower Upper

43 100

58 0.0 24.7 74.1#



Abundance Ion 43.00 (42.70 to 43.70): VN064428.D (-2775) (-)



#62

4-Bromofluorobenzene

Concen: 46.584 ug/l

RT: 12.38 min Scan# 3308

Delta R.T. 0.00 min

Lab File: VN064636.D

Acq: 13 Nov 2020 17:33

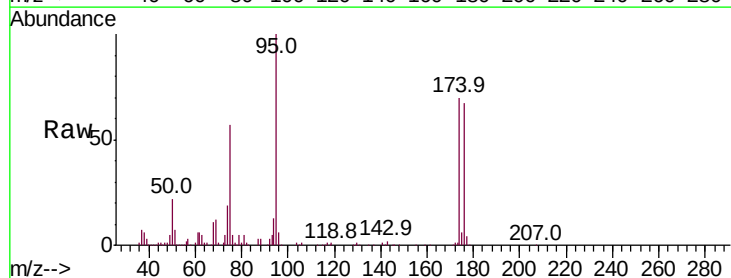
Tgt Ion: 95 Resp: 213756

Ion Ratio Lower Upper

95 100

174 70.6 0.0 132.6

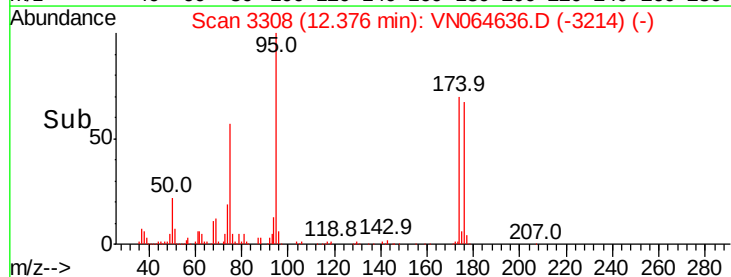
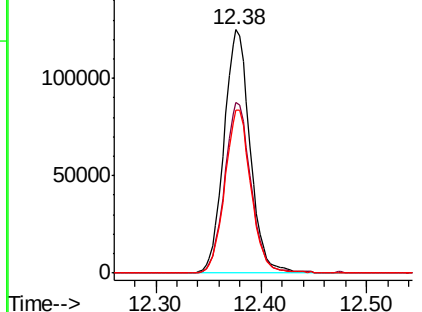
176 67.0 0.0 129.2

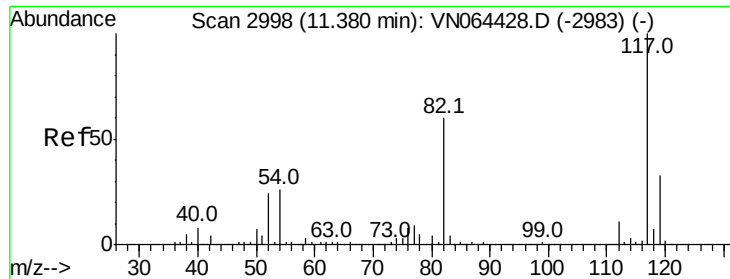


Abundance Ion 94.90 (94.60 to 95.60): VN064428.D (-3293) (-)

Ion 173.80 (173.50 to 174.50): VN064428.D (-3293) (-)

Ion 175.80 (175.50 to 176.50): VN064428.D (-3293) (-)

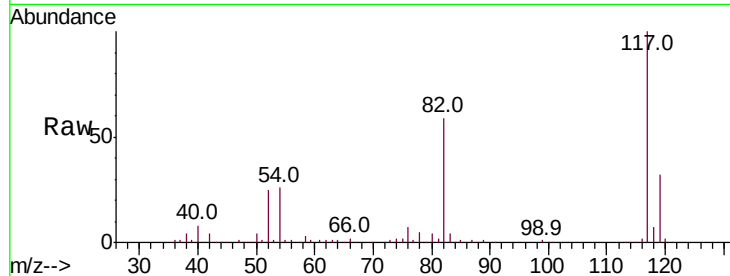




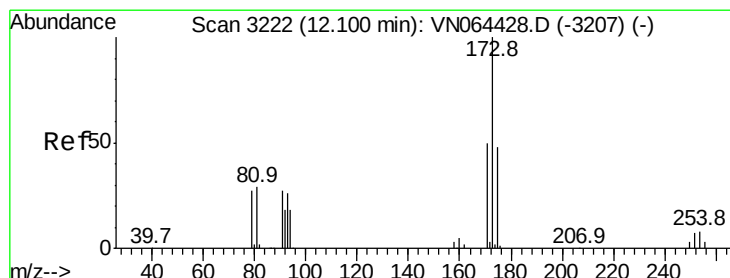
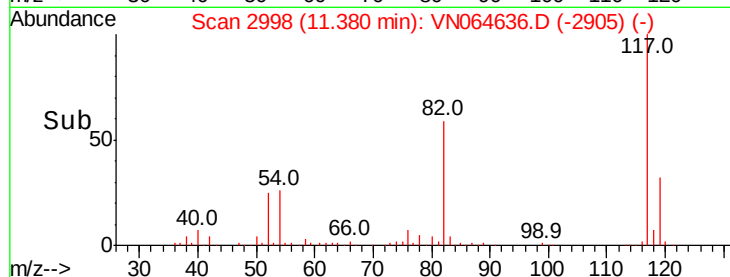
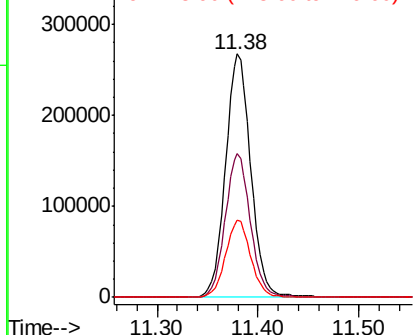
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.38 min Scan# 2998
Delta R.T. -0.00 min
Lab File: VN064636.D
Acq: 13 Nov 2020 17:33

Instrument :
MSVOA_N
ClientSampleId :
STORAGE-BLANK-WATER-REF-5

Tot Ion:117 Resp: 468232
Ion Ratio Lower Upper
117 100
82 59.3 48.1 72.1
119 31.7 26.2 39.4

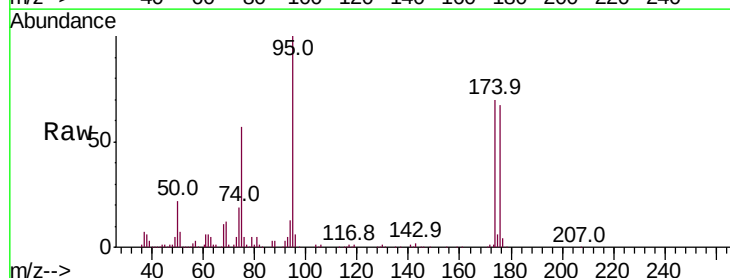


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

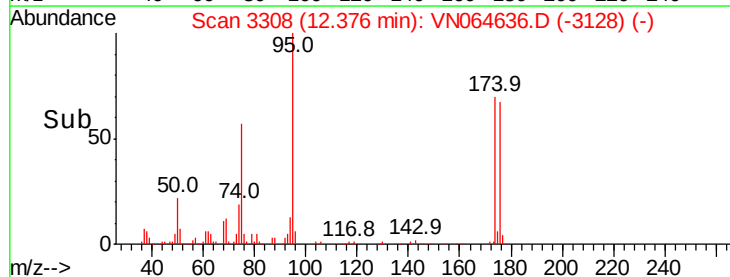
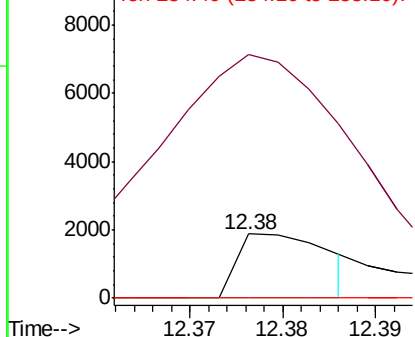


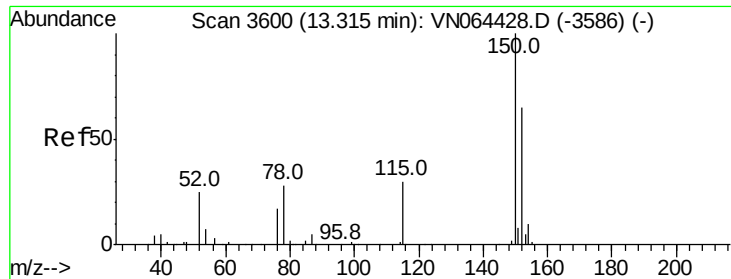
#71
Bromoform
Concen: 1.710 ug/l
RT: 12.38 min Scan# 3308
Delta R.T. 0.28 min
Lab File: VN064636.D
Acq: 13 Nov 2020 17:33

Tgt Ion:173 Resp: 1282
Ion Ratio Lower Upper
173 100
175 761.4 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: VN064636.D

Acq: 13 Nov 2020 17:33

Instrument :

MSVOA_N

ClientSampleId :

STORAGE-BLANK-WATER-REF-5

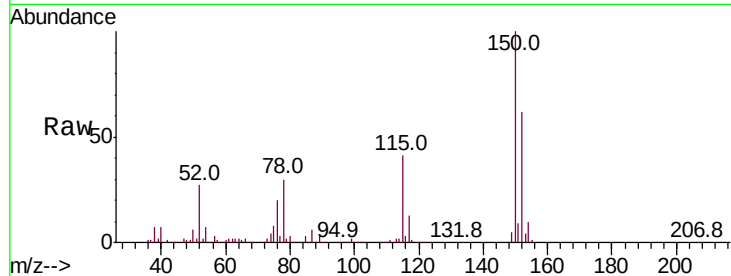
Tot Ion:152 Resp: 165155

Ion Ratio Lower Upper

152 100

115 65.6 32.0 96.0

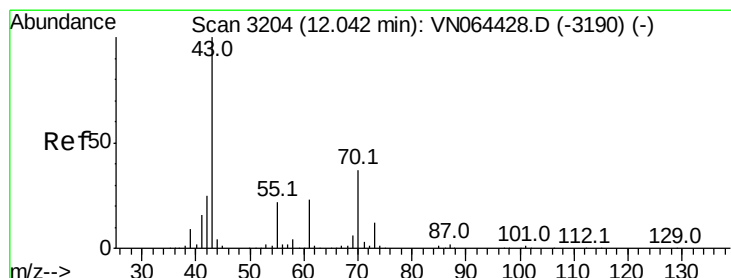
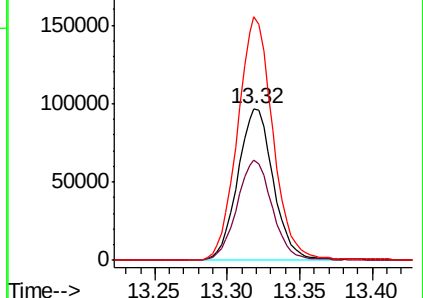
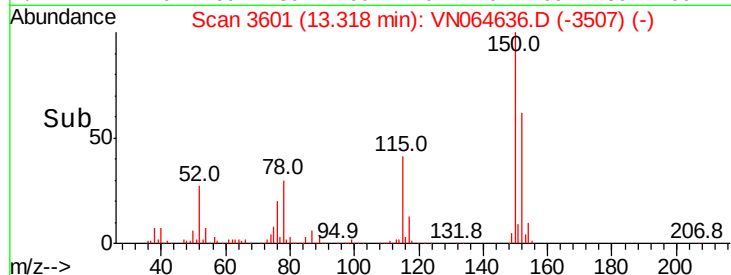
150 158.6 0.0 353.8



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-amyl acetate

Concen: 1.248 ug/l

RT: 12.05 min Scan# 3206

Delta R.T. 0.01 min

Lab File: VN064636.D

Acq: 13 Nov 2020 17:33

Tgt Ion: 43 Resp: 220

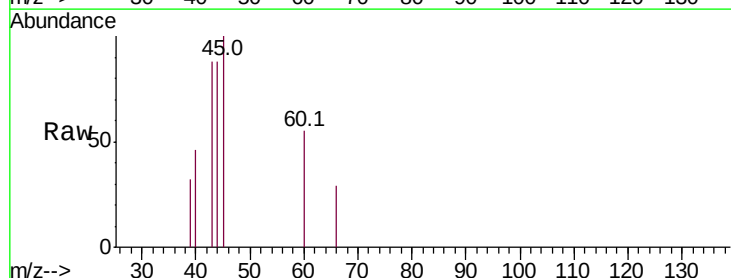
Ion Ratio Lower Upper

43 100

70 0.0 29.6 44.4#

55 0.0 18.4 27.6#

61 0.0 17.8 26.6#

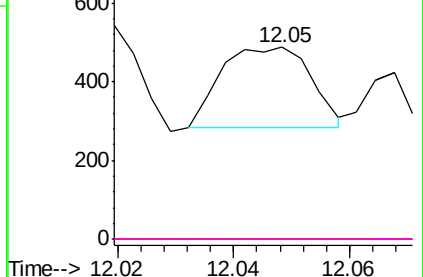
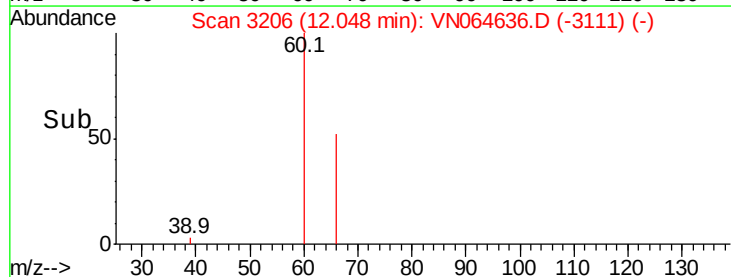


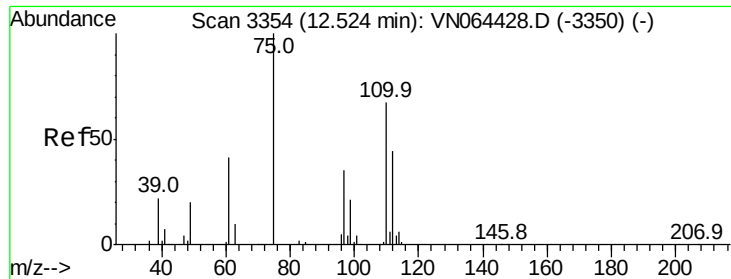
Abundance Ion 43.00 (42.70 to 43.70): VNO

Ion 70.00 (69.70 to 70.70): VNO

Ion 55.00 (54.70 to 55.70): VNO

Ion 61.00 (60.70 to 61.70): VNO

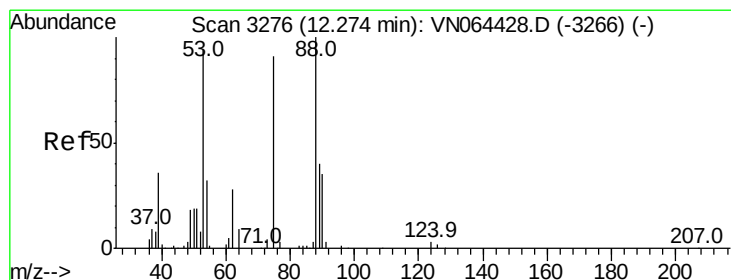
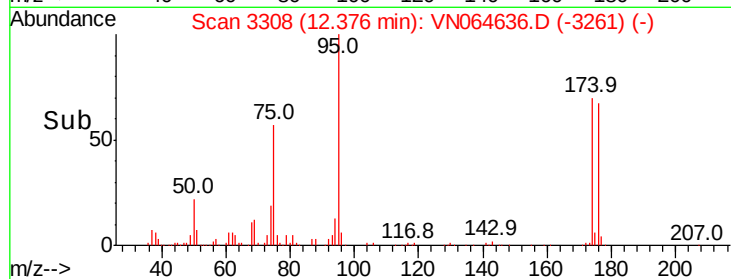
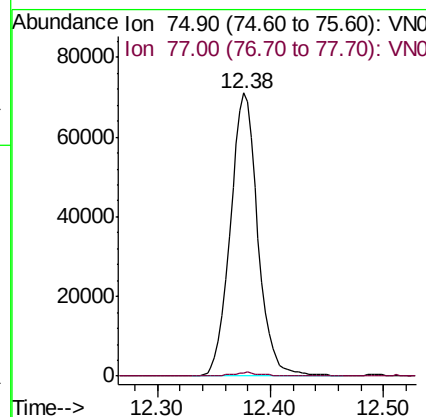
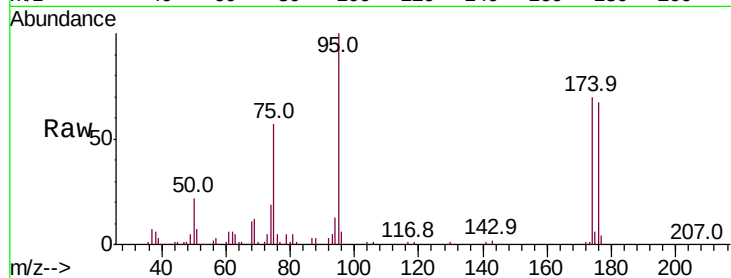




#76
 1,2,3-Trichloropropane
 Concen: 30.022 ug/l
 RT: 12.38 min Scan# 3308
 Delta R.T. -0.15 min
 Lab File: VN064636.D
 Acq: 13 Nov 2020 17:33

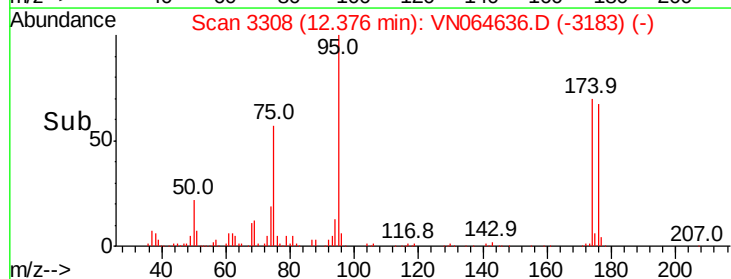
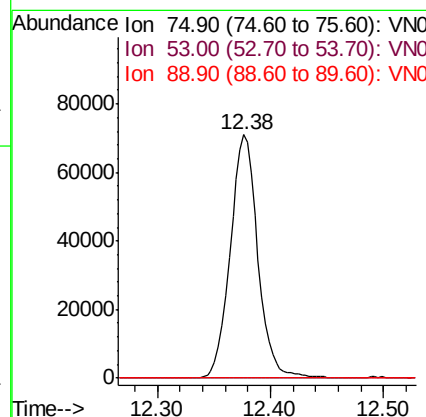
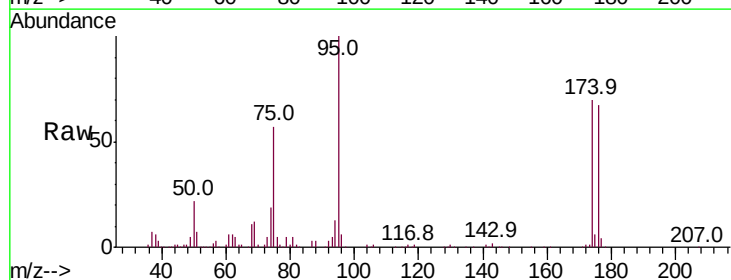
Instrument :
 MSVOA_N
 ClientSampleId :
 STORAGE-BLANK-WATER-REF-5

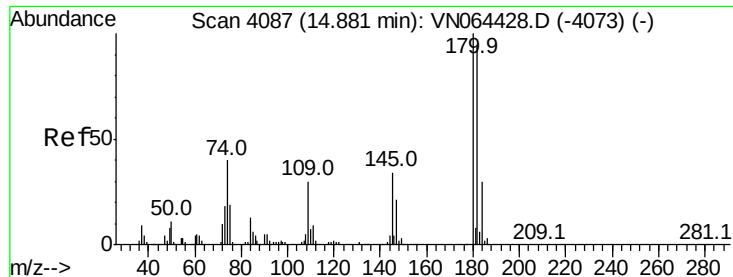
Tot Ion: 75 Resp: 120137
 Ion Ratio Lower Upper
 75 100
 77 1.1 0.0 0.0#



#81
 trans-1,4-Dichloro-2-butene
 Concen: 83.826 ug/l
 RT: 12.38 min Scan# 3308
 Delta R.T. 0.10 min
 Lab File: VN064636.D
 Acq: 13 Nov 2020 17:33

Tgt Ion: 75 Resp: 120137
 Ion Ratio Lower Upper
 75 100
 53 0.3 84.0 126.0#
 89 0.0 36.3 54.5#





#93

1,2,4-Trichlorobenzene

Concen: 2.688 ug/l

RT: 14.89 min Scan# 4091

Delta R.T. 0.01 min

Lab File: VN064636.D

Acq: 13 Nov 2020 17:33

Instrument :

MSVOA_N

ClientSampleId :

STORAGE-BLANK-WATER-REF-5

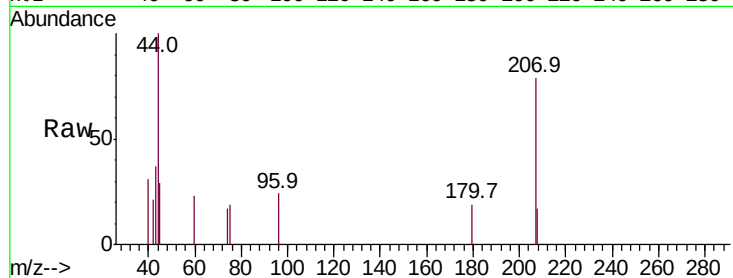
Tot Ion:180 Resp: 68

Ion Ratio Lower Upper

180 100

182 0.0 47.3 142.0#

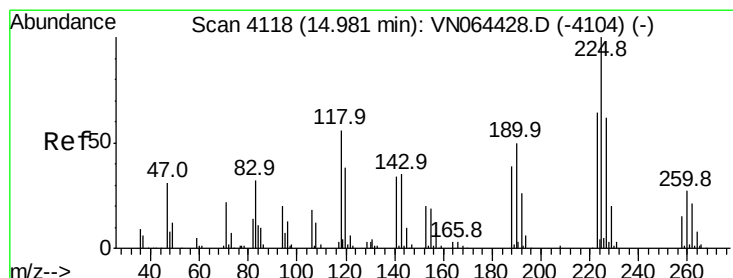
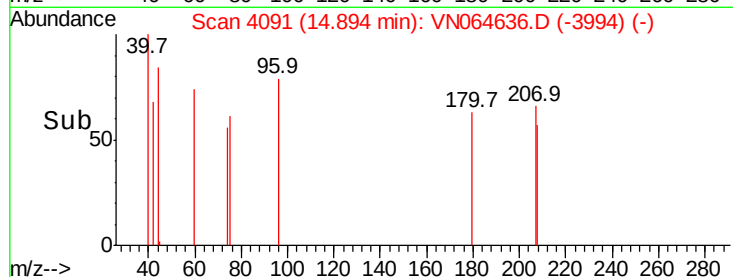
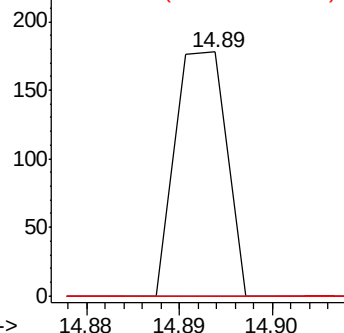
145 0.0 16.7 50.1#



Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.80 (144.50 to 145.50): V



#94

Hexachlorobutadiene

Concen: 0.346 ug/l

RT: 14.97 min Scan# 4116

Delta R.T. -0.01 min

Lab File: VN064636.D

Acq: 13 Nov 2020 17:33

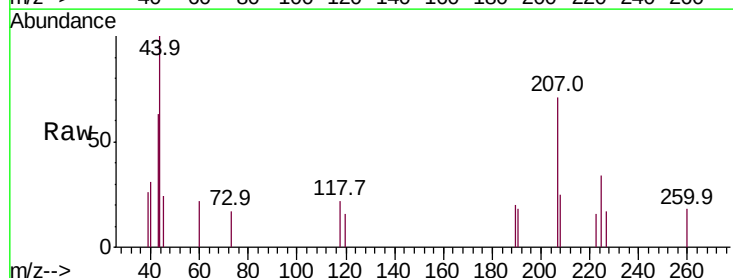
Tgt Ion:225 Resp: 375

Ion Ratio Lower Upper

225 100

223 26.7 31.8 95.4#

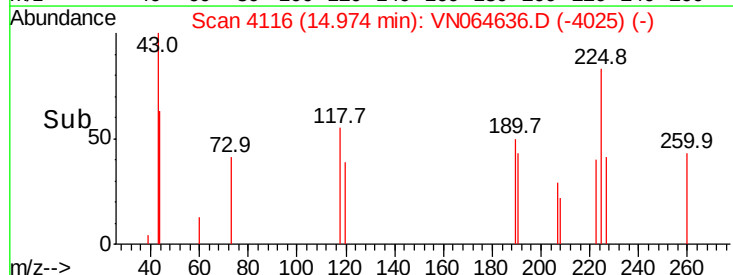
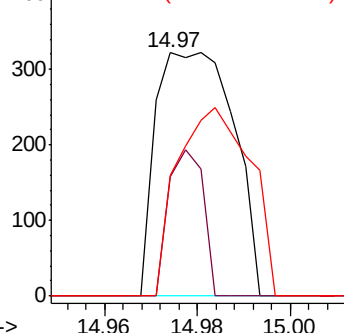
227 72.5 31.8 95.4

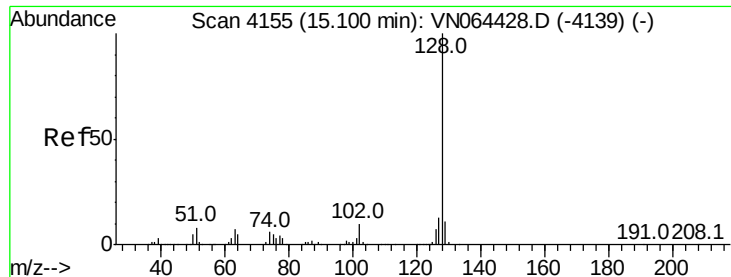


Abundance Ion 224.70 (224.40 to 225.40): V

Ion 222.70 (222.40 to 223.40): V

Ion 226.70 (226.40 to 227.40): V





#95

Naphthalene

Concen: 3.727 ug/l

RT: 15.12 min Scan# 4161

Delta R.T. 0.02 min

Lab File: VN064636.D

Acq: 13 Nov 2020 17:33

Instrument :

MSVOA_N

ClientSampleId :

STORAGE-BLANK-WATER-REF-5

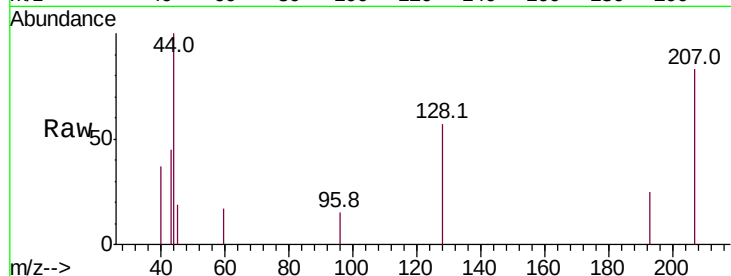
Tot Ion:128 Resp: 1019

Ion Ratio Lower Upper

128 100

127 0.0 10.5 15.7#

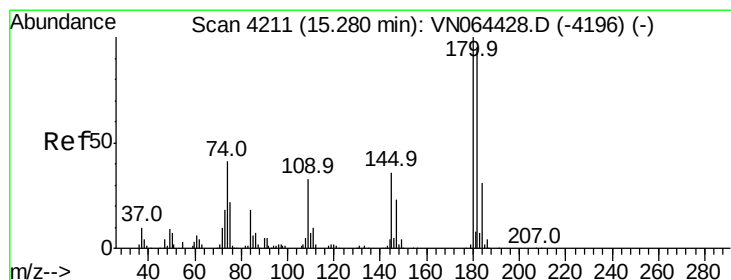
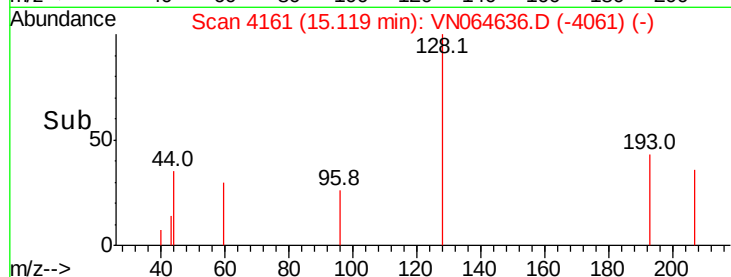
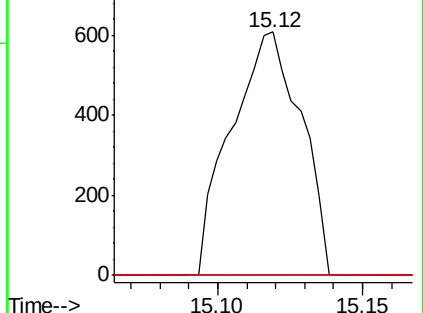
129 0.0 8.8 13.2#



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



#96

1,2,3-Trichlorobenzene

Concen: 2.897 ug/l

RT: 15.30 min Scan# 4217

Delta R.T. 0.02 min

Lab File: VN064636.D

Acq: 13 Nov 2020 17:33

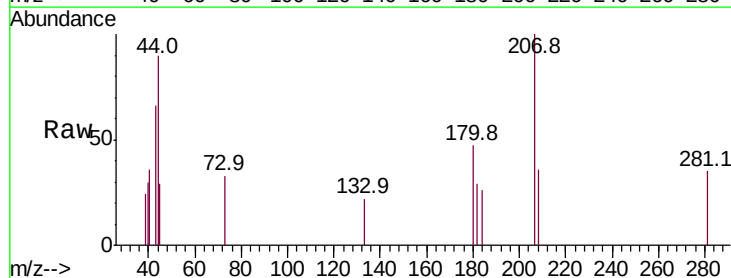
Tgt Ion:180 Resp: 329

Ion Ratio Lower Upper

180 100

182 83.0 47.7 143.1

145 0.0 18.3 54.8#



Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.90 (144.60 to 145.60): V

