

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN090220\
 Data File : VN063189.D
 Acq On : 2 Sep 2020 12:41
 Operator : JC/MD
 Sample : L3890-02
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 OUTFALL001-200901

Quant Time: Sep 03 00:58:05 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N083120W.M
 Quant Title : SW846 8260
 QLast Update : Tue Sep 01 04:21:28 2020
 Response via : Initial Calibration

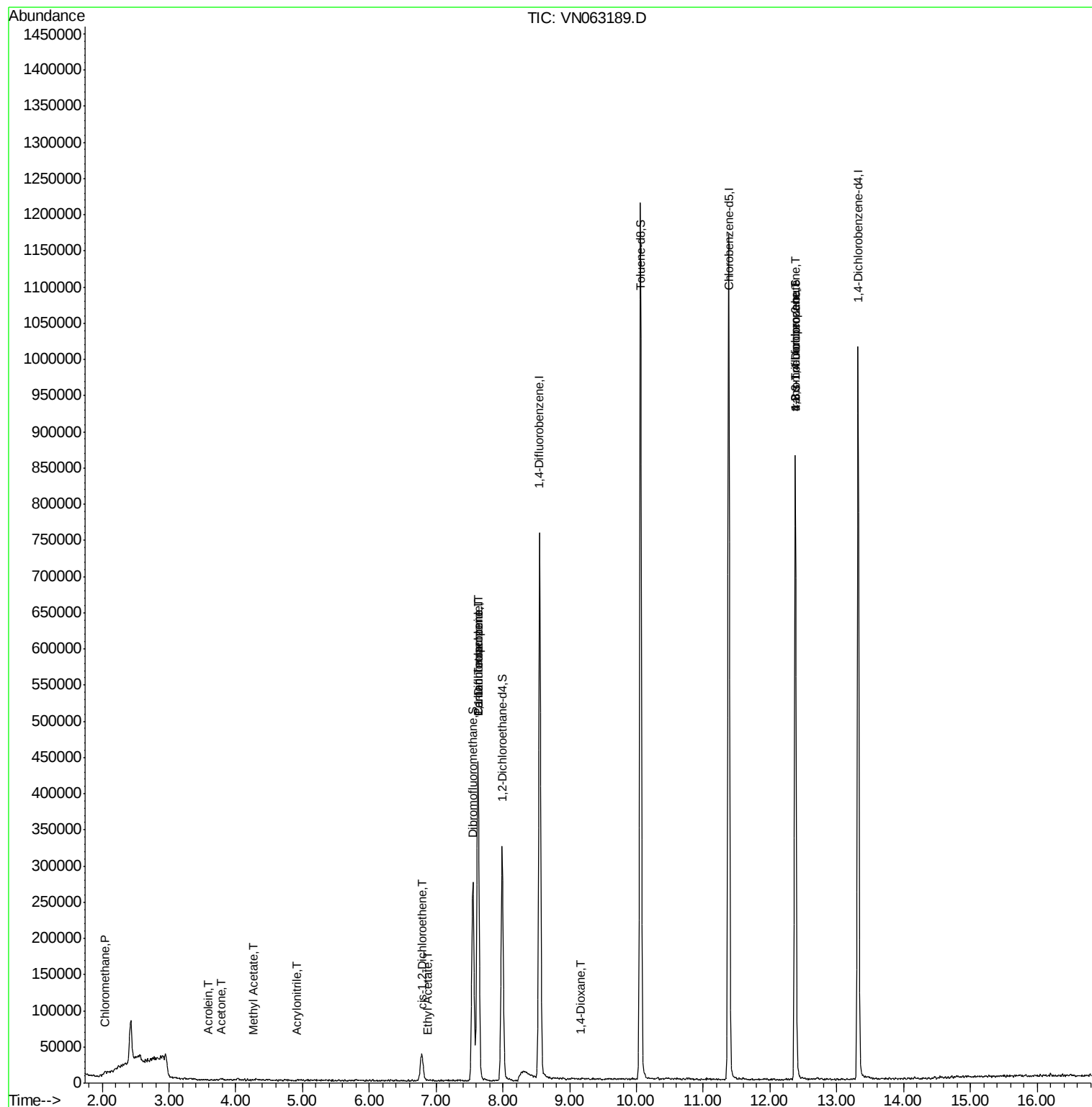
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.63	168	325233	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.55	114	642793	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	626544	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	243472	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	7.99	65	267134	50.25	ug/l	0.00
Spiked Amount 50.000			Recovery	=	100.50%	
35) Dibromofluoromethane	7.55	113	200226	48.55	ug/l	0.00
Spiked Amount 50.000			Recovery	=	97.10%	
50) Toluene-d8	10.06	98	812531	51.19	ug/l	0.00
Spiked Amount 50.000			Recovery	=	102.38%	
62) 4-Bromofluorobenzene	12.38	95	282046	50.80	ug/l	0.00
Spiked Amount 50.000			Recovery	=	101.60%	
Target Compounds						
					Qvalue	
3) Chloromethane	2.04	50	2291	0.491	ug/l	91
7) Trichlorofluoromethane	2.98	101	197	Below Cal	#	81
13) Acrolein	3.58	56	178	16.440	ug/l	87
15) Acrylonitrile	4.93	53	30	2.420	ug/l #	1
16) Acetone	3.77	43	617	0.408	ug/l #	46
18) Methyl Acetate	4.27	43	1144	0.295	ug/l #	52
20) Methylene Chloride	4.50	84	503	Below Cal	#	40
27) cis-1,2-Dichloroethene	6.78	96	22735	4.745	ug/l	86
31) Cyclohexane	7.63	56	8759	Below Cal	#	25
36) 1,1-Dichloropropene	7.62	75	31163	5.043	ug/l #	46
37) Ethyl Acetate	6.86	43	220	0.418	ug/l #	72
38) Carbon Tetrachloride	7.63	117	36542	5.831	ug/l #	17
49) 1,4-Dioxane	9.16	88	202	2.875	ug/l #	1
76) 1,2,3-Trichloropropane	12.38	75	165522	34.601	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.38	75	165522	83.630	ug/l #	10

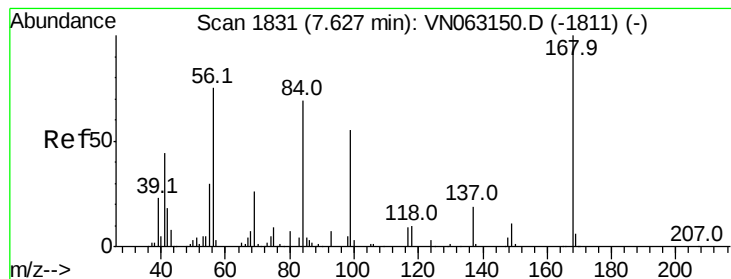
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA N\DATA\VN090220\
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Quant Time: Sep 03 00:58:05 2020
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_N\METHODS\82N083120W.M
Quant Title : SW846 8260
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.63 min Scan# 1831

Delta R.T. 0.00 min

Lab File: VN063189.D

Acq: 2 Sep 2020 12:41

Instrument :

MSVOA_N

ClientSampleId :

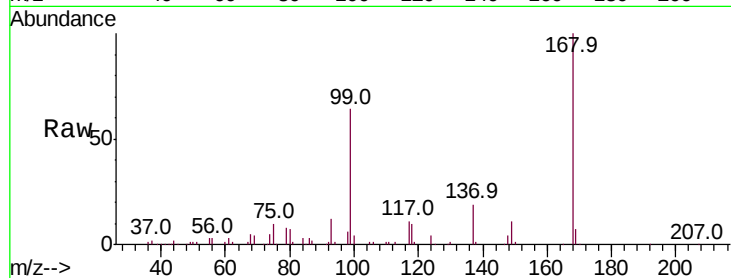
OUTFALL001-200901

Tot Ion:168 Resp: 325233

Ion Ratio Lower Upper

168 100

99 64.0 54.2 81.2



Abundance Ion 167.90 (167.60 to 168.60): VN063189.D (-1738) (-)

Ion 98.90 (98.60 to 99.60): VN063189.D (-1738) (-)

7.63

150000

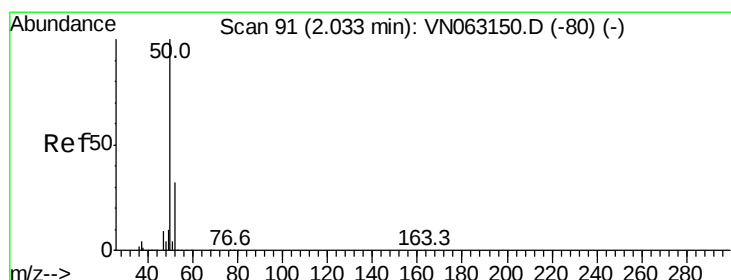
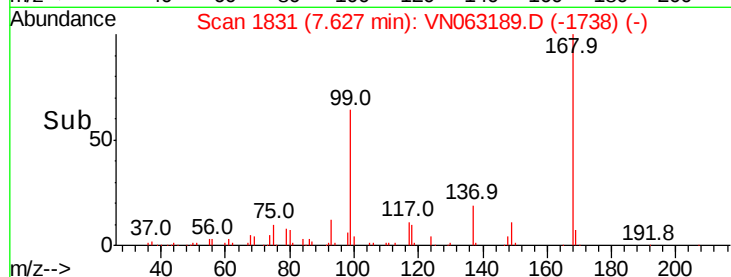
100000

50000

0

7.50 7.55 7.60 7.65 7.70

Time-->



#3

Chloromethane

Concen: 0.491 ug/l

RT: 2.04 min Scan# 92

Delta R.T. 0.00 min

Lab File: VN063189.D

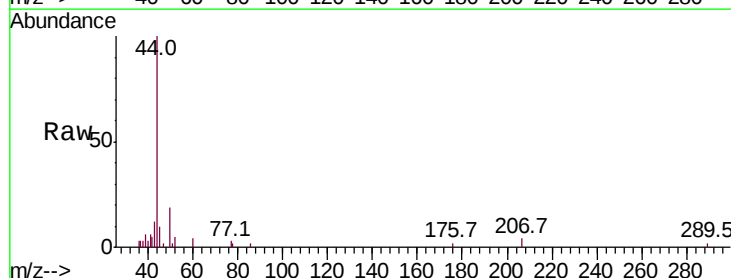
Acq: 2 Sep 2020 12:41

Tgt Ion: 50 Resp: 2291

Ion Ratio Lower Upper

50 100

52 26.9 25.8 38.6



Abundance Ion 49.90 (49.60 to 50.60): VN063189.D (-1) (-)

Ion 51.90 (51.60 to 52.60): VN063189.D (-1) (-)

2.04

1500

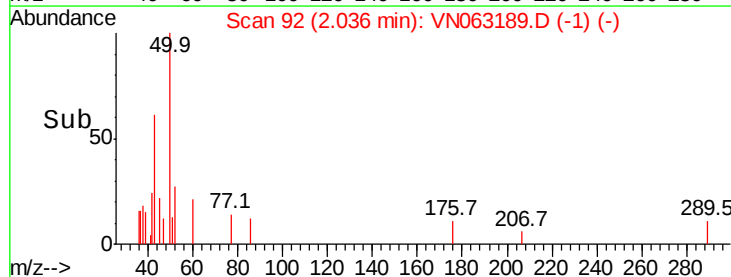
1000

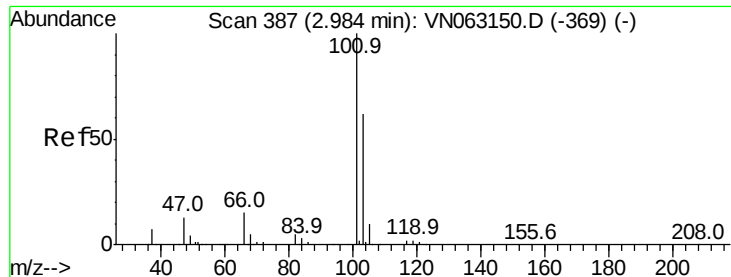
500

0

2.00 2.05

Time-->



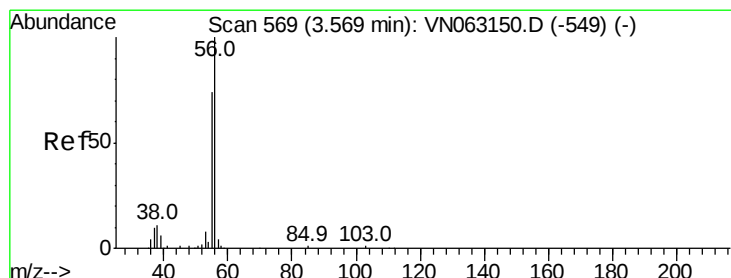
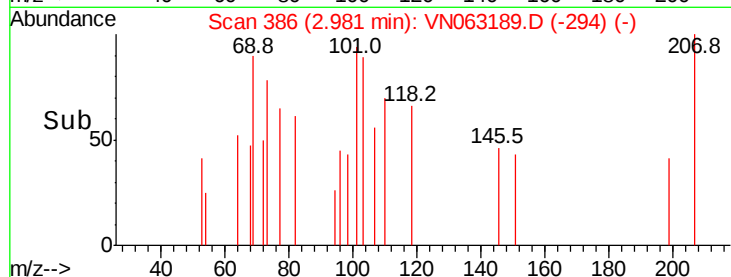
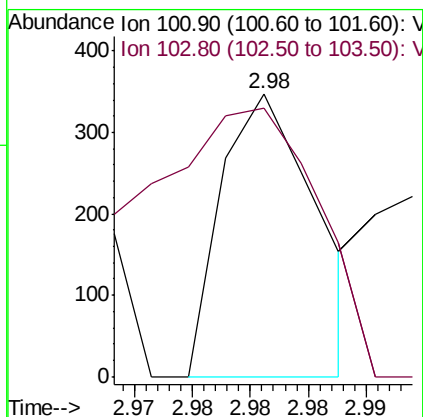
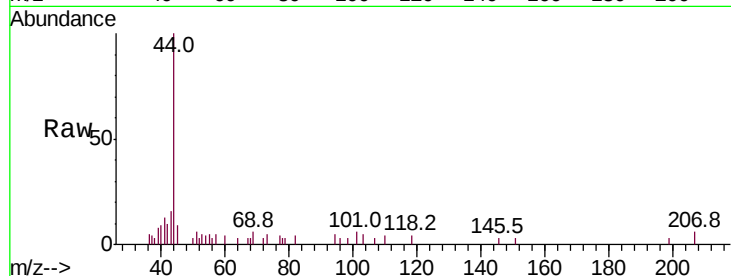


#7

Trichlorofluoromethane
 Concen: Below Cal
 RT: 2.98 min Scan# 386
 Delta R.T. -0.00 min
 Lab File: VN063189.D
 Acq: 2 Sep 2020 12:41

Instrument :
 MSVOA_N
 ClientSampleId :
 OUTFALL001-200901

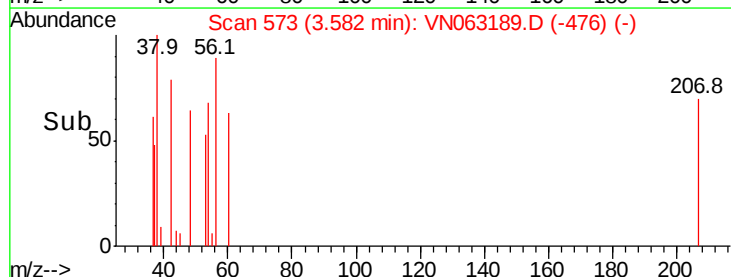
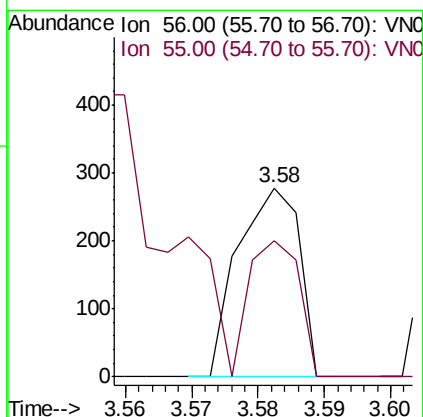
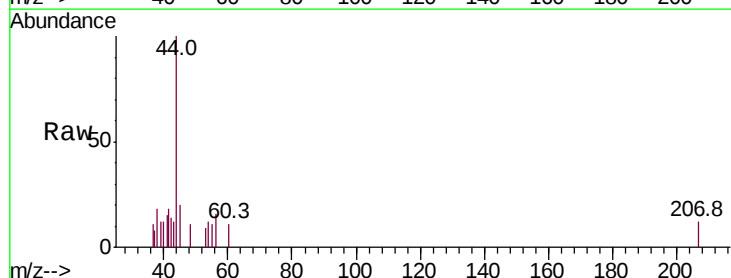
Tot Ion:101 Resp: 197
 Ion Ratio Lower Upper
 101 100
 103 47.7 49.7 74.5#

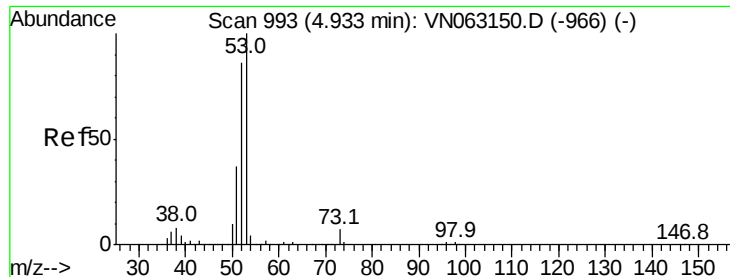


#13

Acrolein
 Concen: 16.440 ug/l
 RT: 3.58 min Scan# 573
 Delta R.T. 0.01 min
 Lab File: VN063189.D
 Acq: 2 Sep 2020 12:41

Tgt Ion: 56 Resp: 178
 Ion Ratio Lower Upper
 56 100
 55 59.0 55.4 83.0





#15

Acrylonitrile

Concen: 2.420 ug/l

RT: 4.93 min Scan# 991

Delta R.T. -0.01 min

Lab File: VN063189.D

Acq: 2 Sep 2020 12:41

Instrument :

MSVOA_N

ClientSampleId :

OUTFALL001-200901

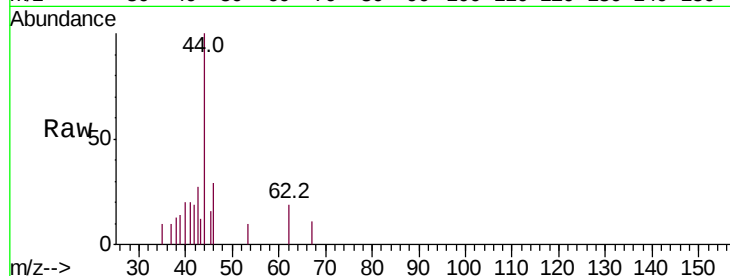
Tot Ion: 53 Resp: 30

Ion Ratio Lower Upper

53 100

52 196.7 67.2 100.8#

51 0.0 30.2 45.4#



Abundance Ion 53.00 (52.70 to 53.70): VN063150.D (-966) (-)

Ion 52.00 (51.70 to 52.70): VN063150.D (-966) (-)

Ion 51.00 (50.70 to 51.70): VN063150.D (-966) (-)

4.93

150

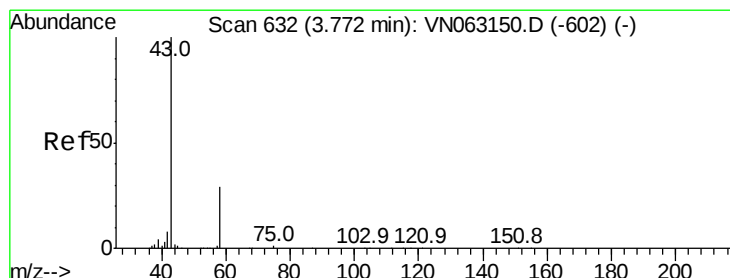
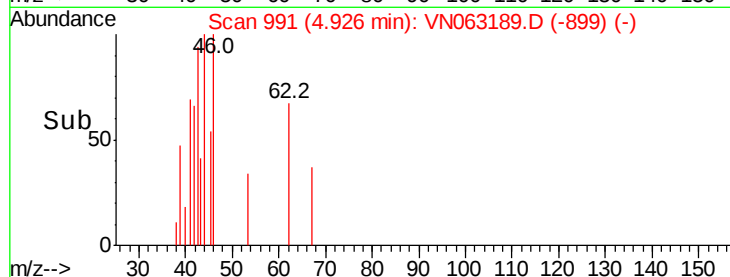
100

50

0

4.92 4.92 4.92 4.93 4.93

Time-->



#16

Acetone

Concen: 0.408 ug/l

RT: 3.77 min Scan# 631

Delta R.T. -0.00 min

Lab File: VN063189.D

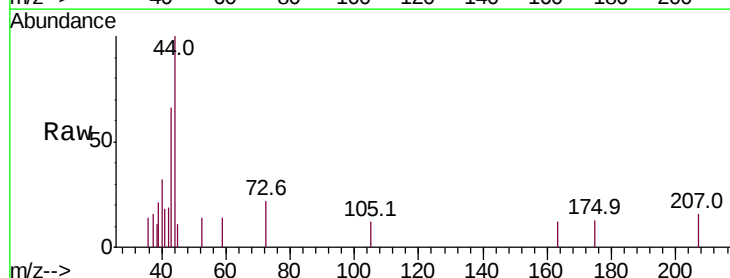
Acq: 2 Sep 2020 12:41

Tgt Ion: 43 Resp: 617

Ion Ratio Lower Upper

43 100

58 0.0 23.1 34.7#



Abundance Ion 43.00 (42.70 to 43.70): VN063150.D (-602) (-)

Ion 58.00 (57.70 to 58.70): VN063150.D (-602) (-)

3.77

1000

800

600

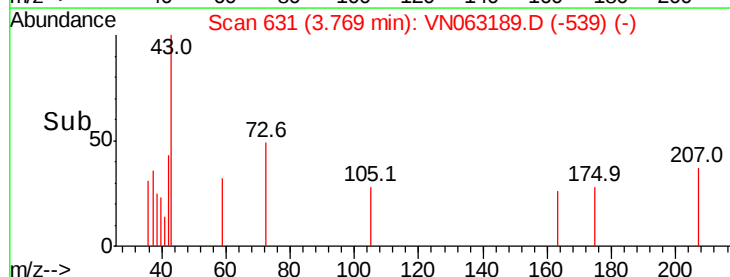
400

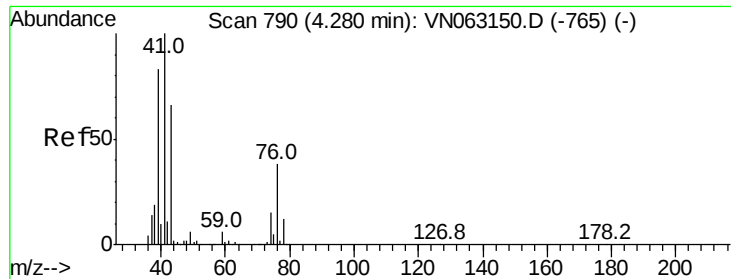
200

0

3.74 3.76 3.78

Time-->

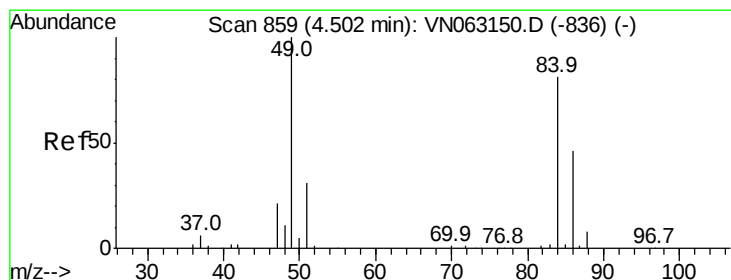
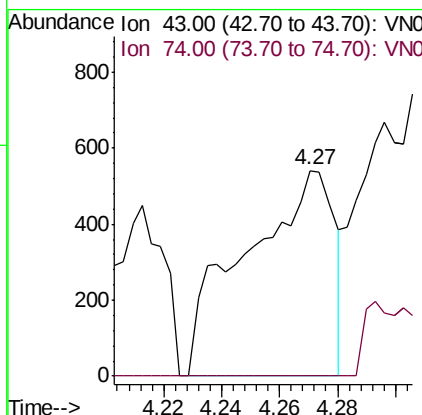
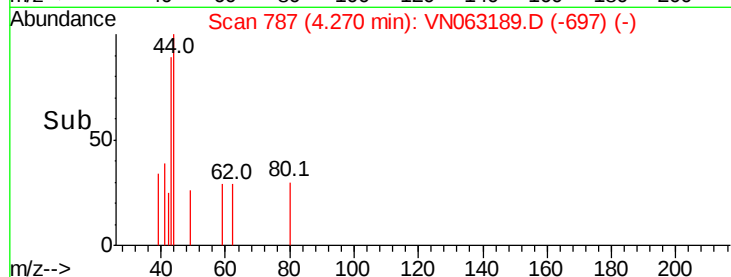
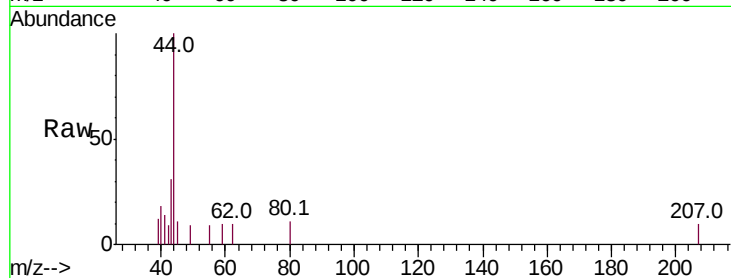




#18
Methyl Acetate
Concen: 0.295 ug/l
RT: 4.27 min Scan# 787
Delta R.T. -0.01 min
Lab File: VN063189.D
Acq: 2 Sep 2020 12:41

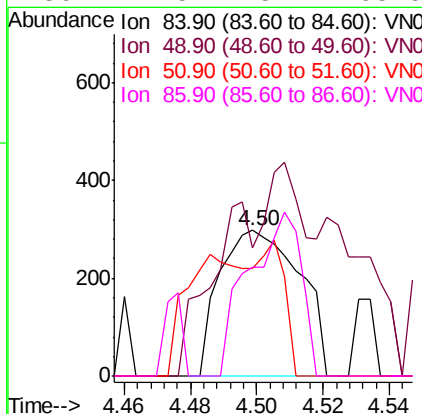
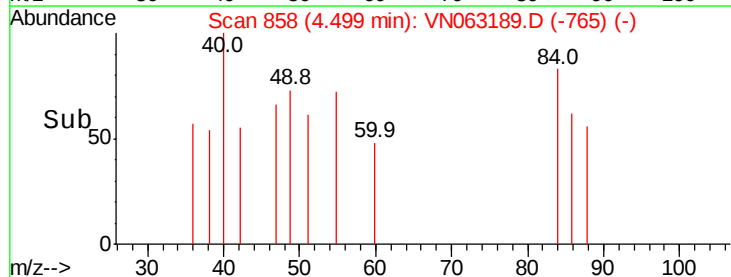
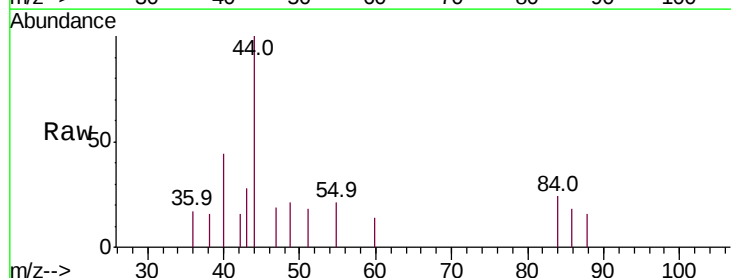
Instrument :
MSVOA_N
ClientSampleId :
OUTFALL001-200901

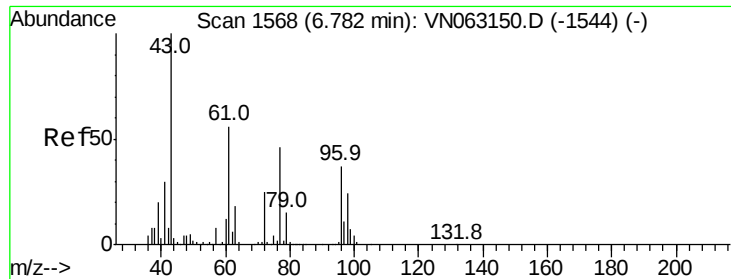
Tot Ion: 43 Resp: 1144
Ion Ratio Lower Upper
43 100
74 0.0 19.0 28.6#



#20
Methylene Chloride
Concen: Below Cal
RT: 4.50 min Scan# 858
Delta R.T. -0.00 min
Lab File: VN063189.D
Acq: 2 Sep 2020 12:41

Tgt Ion: 84 Resp: 503
Ion Ratio Lower Upper
84 100
49 35.2 98.4 147.6#
51 73.8 30.4 45.6#
86 74.5 45.7 68.5#

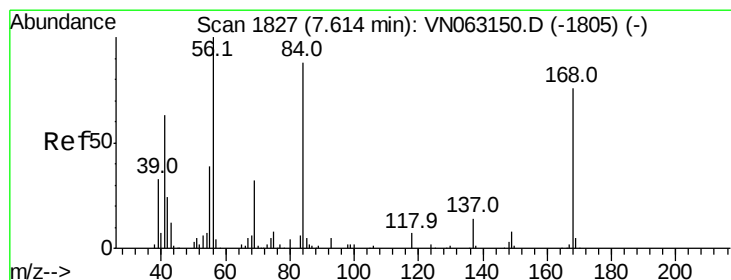
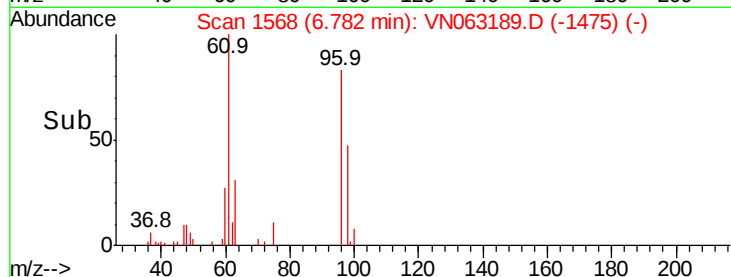
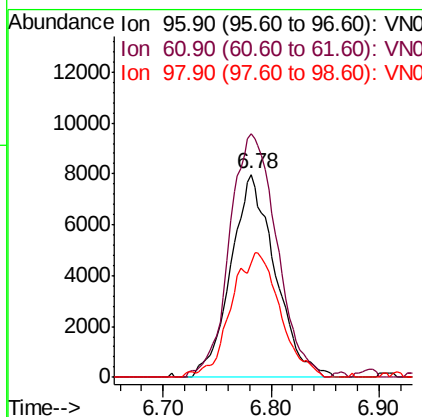
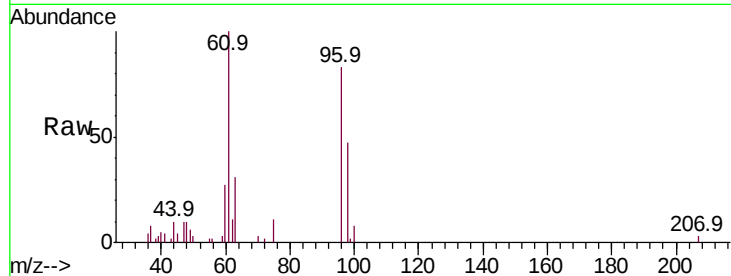




#27
 cis-1,2-Dichloroethene
 Concen: 4.745 ug/l
 RT: 6.78 min Scan# 1568
 Delta R.T. 0.00 min
 Lab File: VN063189.D
 Acq: 2 Sep 2020 12:41

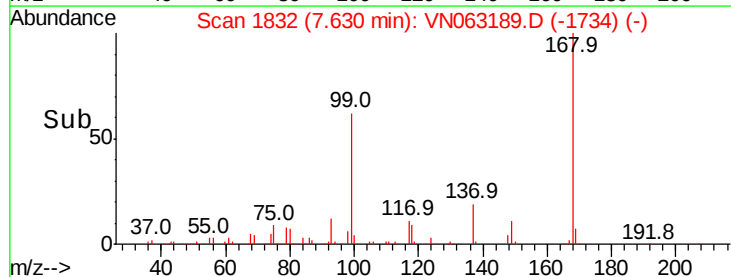
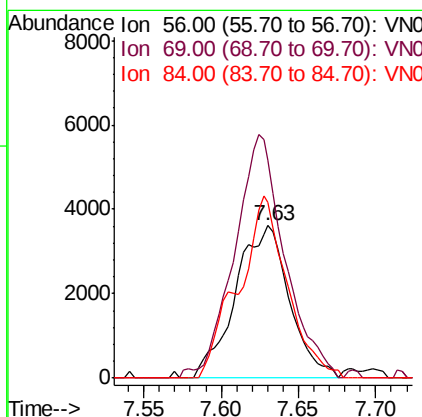
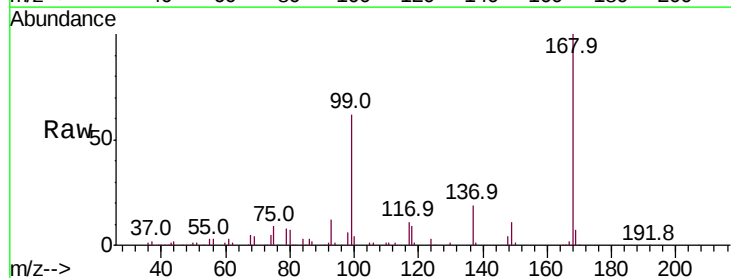
Instrument :
 MSVOA_N
 ClientSampleId :
 OUTFALL001-200901

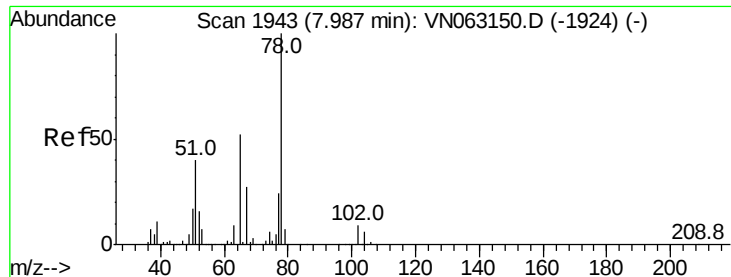
Tot Ion	96	Resp	22735
Ion	Ratio	Lower	Upper
96	100		
61	127.7	0.0	303.2
98	67.3	0.0	129.0



#31
 Cyclohexane
 Concen: Below Cal
 RT: 7.63 min Scan# 1832
 Delta R.T. 0.02 min
 Lab File: VN063189.D
 Acq: 2 Sep 2020 12:41

Tgt Ion	56	Resp	8759
Ion	Ratio	Lower	Upper
56	100		
69	143.0	25.4	38.0#
84	115.4	70.2	105.4#





#33

1,2-Dichloroethane-d4

Concen: 50.245 ug/l

RT: 7.99 min Scan# 1943

Delta R.T. 0.00 min

Lab File: VN063189.D

Acq: 2 Sep 2020 12:41

Instrument :

MSVOA_N

ClientSampleId :

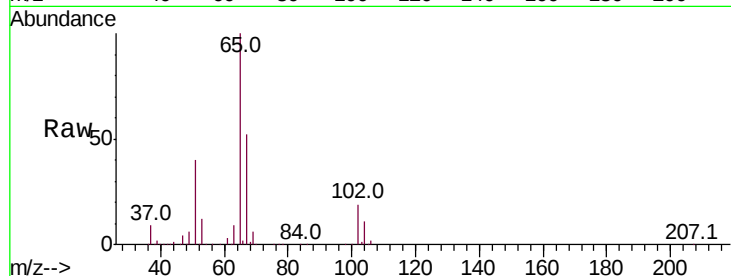
OUTFALL001-200901

Tot Ion: 65 Resp: 267134

Ion Ratio Lower Upper

65 100

67 51.8 0.0 104.4



Abundance Ion 64.90 (64.60 to 65.60): VN063189.D (-1850) (-)

Ion 66.90 (66.60 to 67.60): VN063189.D (-1850) (-)

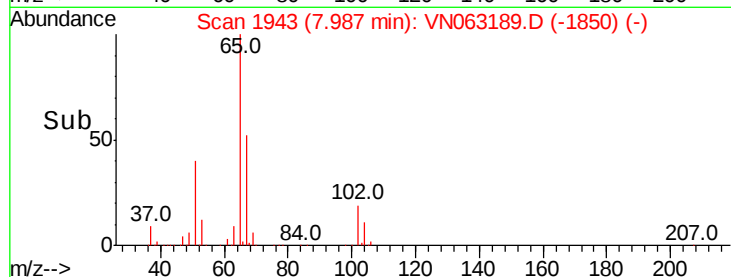
7.99

100000

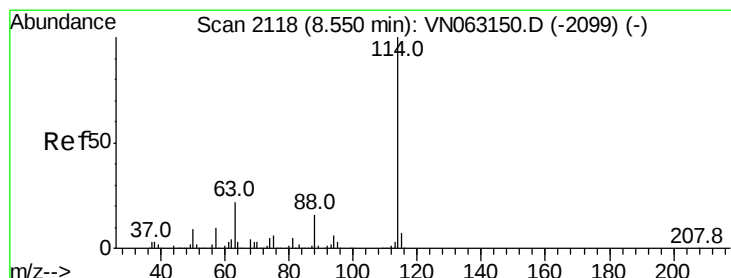
50000

0

Time-->



Time-->



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.55 min Scan# 2118

Delta R.T. 0.00 min

Lab File: VN063189.D

Acq: 2 Sep 2020 12:41

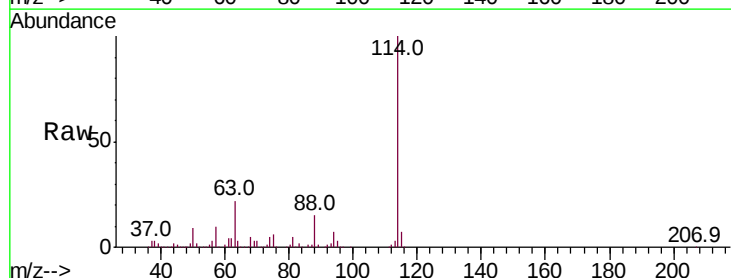
Tgt Ion: 114 Resp: 642793

Ion Ratio Lower Upper

114 100

63 22.0 0.0 43.0

88 15.1 0.0 31.6



Abundance Ion 113.90 (113.60 to 114.60): VN063189.D (-2025) (-)

Ion 63.00 (62.70 to 63.70): VN063189.D (-2025) (-)

Ion 87.90 (87.60 to 88.60): VN063189.D (-2025) (-)

8.55

400000

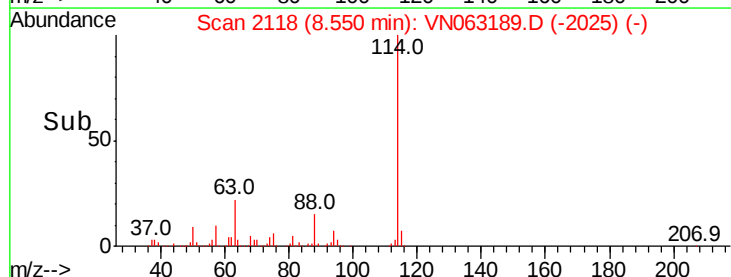
300000

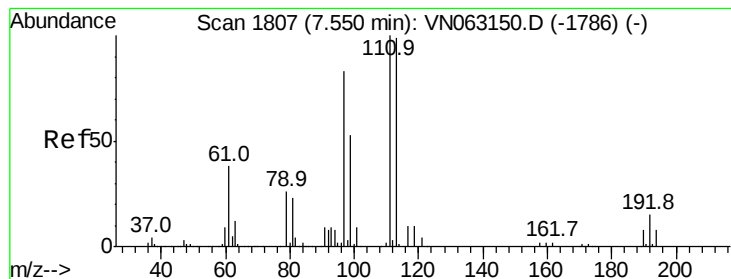
200000

100000

0

Time-->





#35

Dibromofluoromethane

Concen: 48.553 ug/l

RT: 7.55 min Scan# 1807

Delta R.T. 0.00 min

Lab File: VN063189.D

Acq: 2 Sep 2020 12:41

Instrument :

MSVOA_N

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OUTFALL001-200901

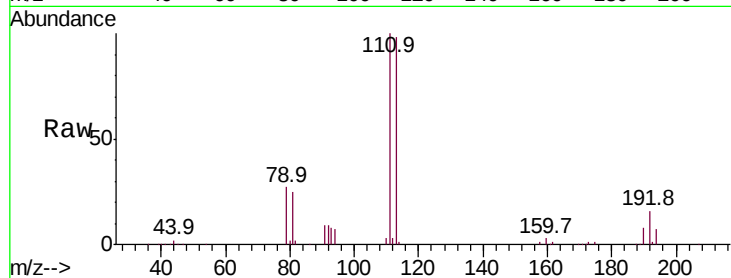
Tot Ion:113 Resp: 200226

Ion Ratio Lower Upper

113 100

111 105.4 80.7 121.1

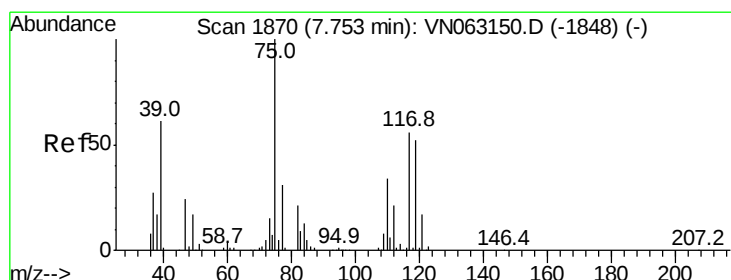
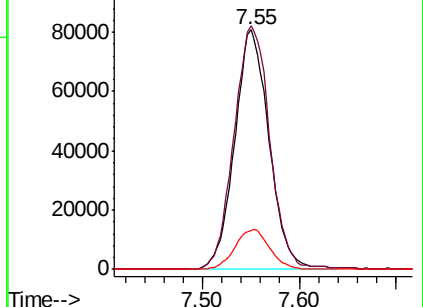
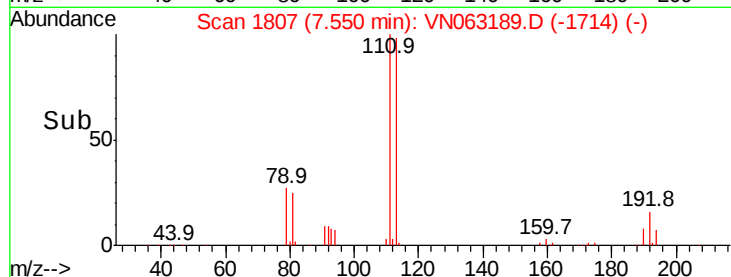
192 16.9 12.6 19.0



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: 5.043 ug/l

RT: 7.62 min Scan# 1830

Delta R.T. -0.13 min

Lab File: VN063189.D

Acq: 2 Sep 2020 12:41

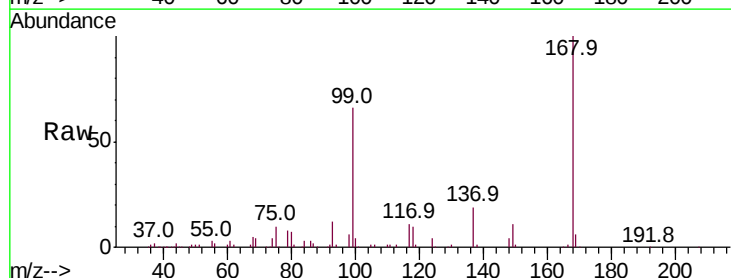
Tgt Ion: 75 Resp: 31163

Ion Ratio Lower Upper

75 100

110 3.9 16.6 49.8#

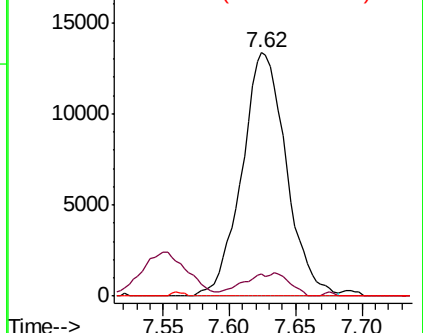
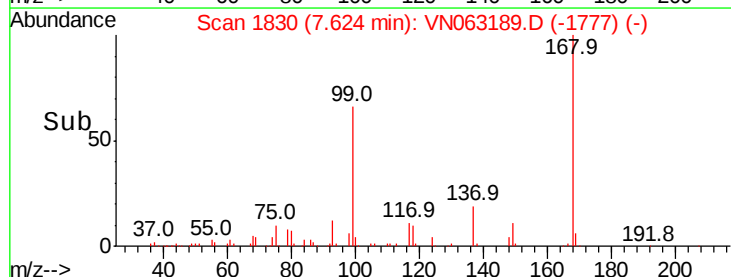
77 0.0 25.4 38.2#

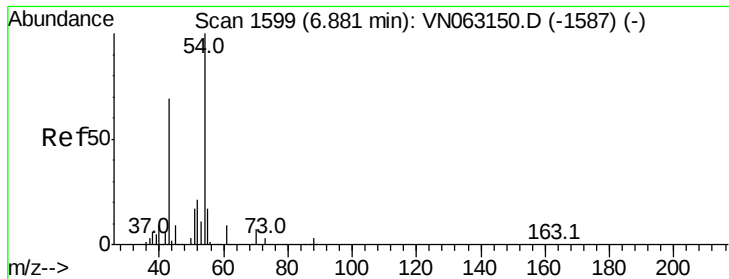


Abundance Ion 74.90 (74.60 to 75.60): V

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): V





#37

Ethyl Acetate

Concen: 0.418 ug/l

RT: 6.86 min Scan# 1593

Delta R.T. -0.02 min

Lab File: VN063189.D

Acq: 2 Sep 2020 12:41

Instrument :

MSVOA_N

ClientSampleId :

OUTFALL001-200901

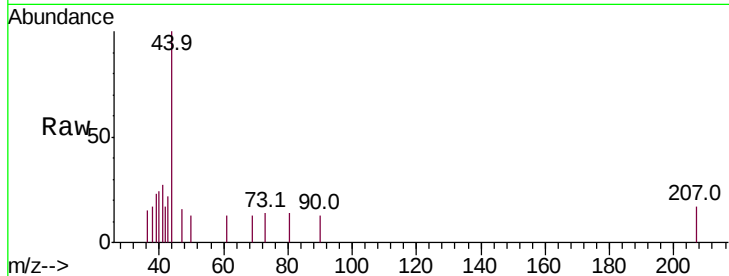
Tot Ion: 43 Resp: 220

Ion Ratio Lower Upper

43 100

61 0.0 10.2 15.4#

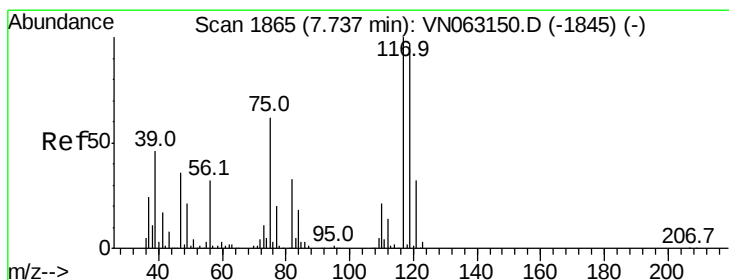
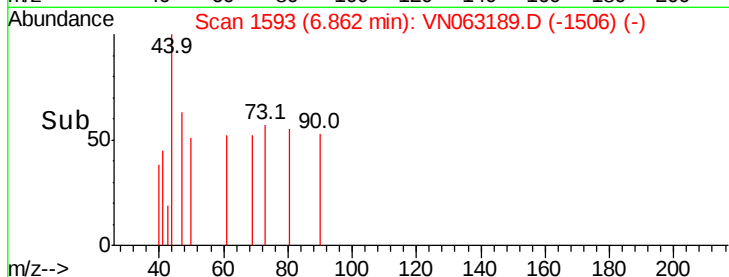
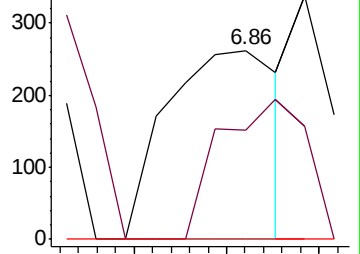
70 0.0 3.0 4.6#



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 60.90 (60.60 to 61.60): VN0

Ion 70.00 (69.70 to 70.70): VN0



#38

Carbon Tetrachloride

Concen: 5.831 ug/l

RT: 7.63 min Scan# 1831

Delta R.T. -0.11 min

Lab File: VN063189.D

Acq: 2 Sep 2020 12:41

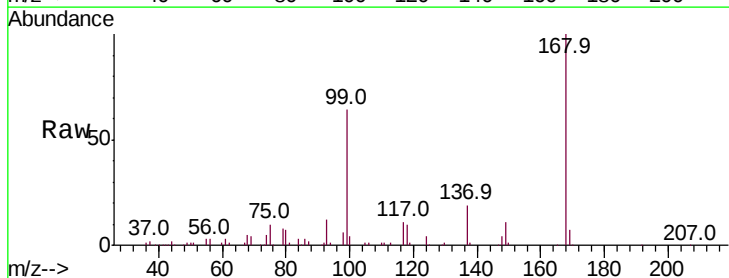
Tgt Ion: 117 Resp: 36542

Ion Ratio Lower Upper

117 100

119 7.4 77.2 115.8#

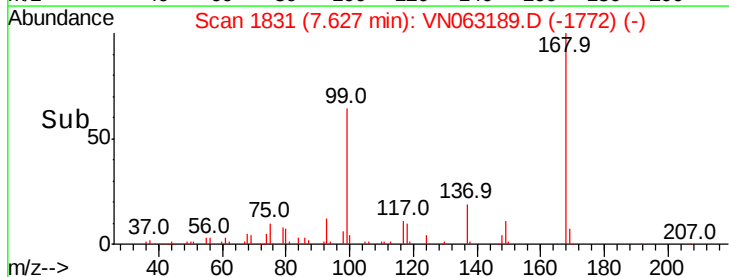
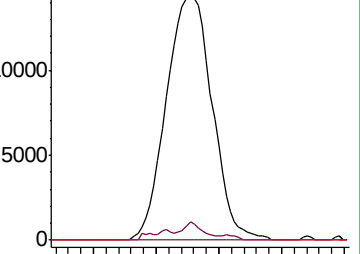
121 0.0 25.6 38.4#

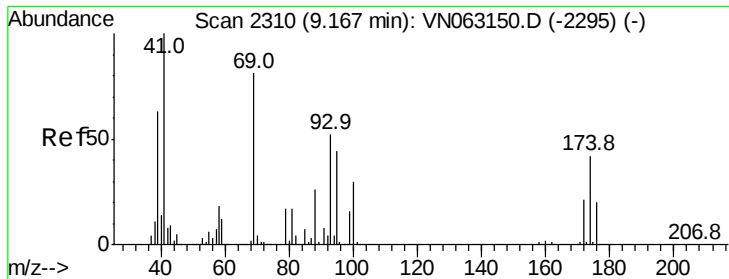


Abundance Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V

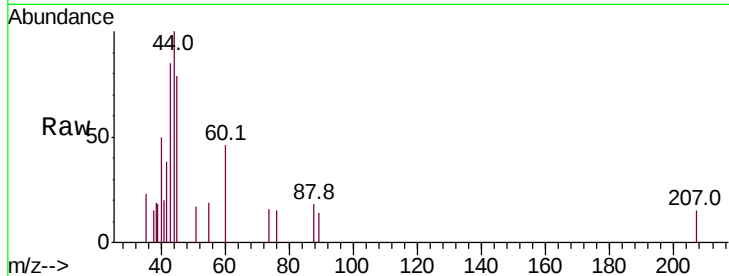




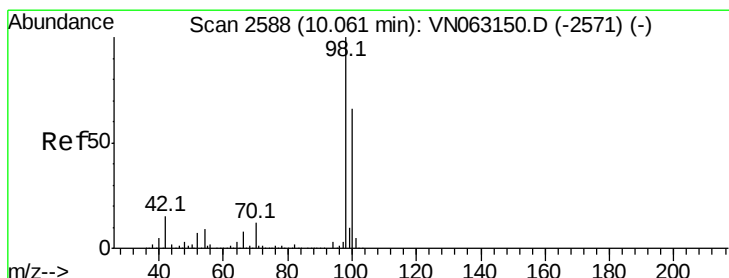
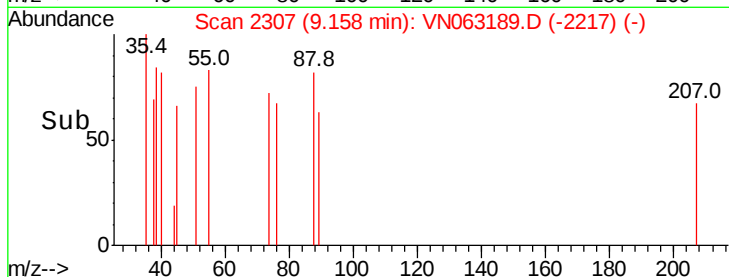
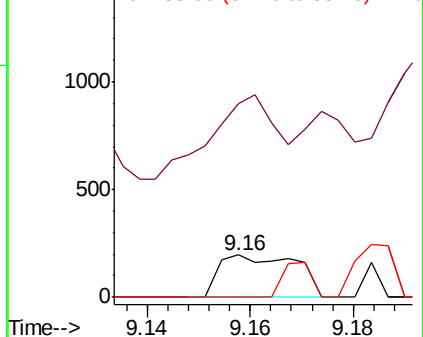
#49
1,4-Dioxane
Concen: 2.875 ug/l
RT: 9.16 min Scan# 2307
Delta R.T. -0.01 min
Lab File: VN063189.D
Acq: 2 Sep 2020 12:41

Instrument :
MSVOA_N
ClientSampleId :
OUTFALL001-200901

Tot Ion: 88 Resp: 202
Ion Ratio Lower Upper
88 100
43 169.8 28.6 42.8#
58 0.0 53.2 79.8#

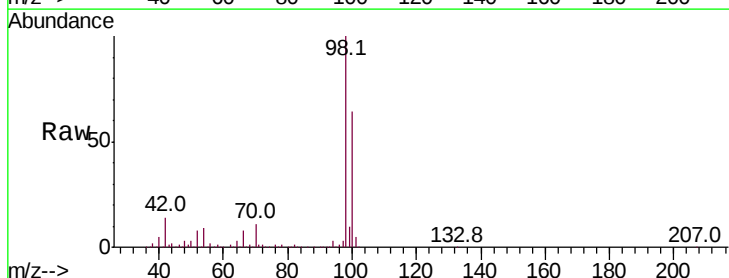


Abundance Ion 88.00 (87.70 to 88.70): VN0
Ion 43.00 (42.70 to 43.70): VN0
Ion 58.00 (57.70 to 58.70): VN0

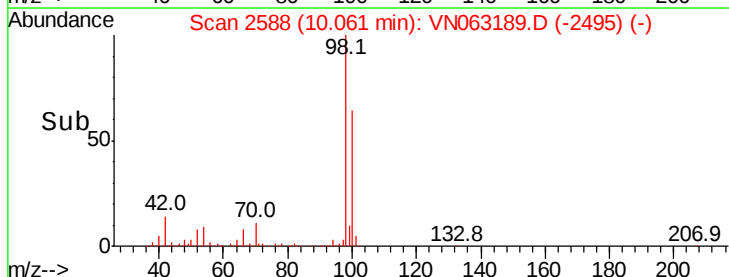
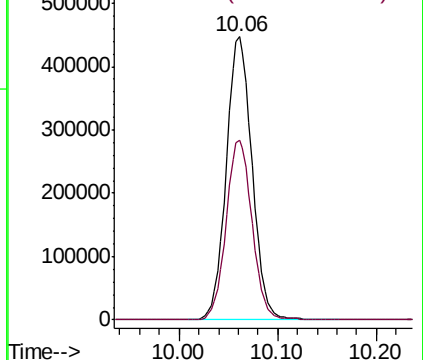


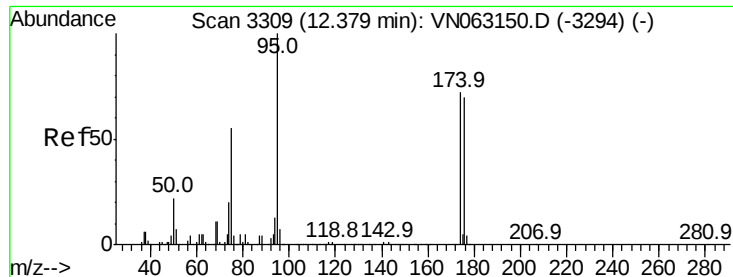
#50
Toluene-d8
Concen: 51.190 ug/l
RT: 10.06 min Scan# 2588
Delta R.T. 0.00 min
Lab File: VN063189.D
Acq: 2 Sep 2020 12:41

Tgt Ion: 98 Resp: 812531
Ion Ratio Lower Upper
98 100
100 63.9 52.0 78.0



Abundance Ion 98.00 (97.70 to 98.70): VN0
Ion 100.00 (99.70 to 100.70): VN0





#62

4-Bromofluorobenzene

Concen: 50.798 ug/l

RT: 12.38 min Scan# 3309

Delta R.T. 0.00 min

Lab File: VN063189.D

Acq: 2 Sep 2020 12:41

Instrument :

MSVOA_N

ClientSampleId :

OUTFALL001-200901

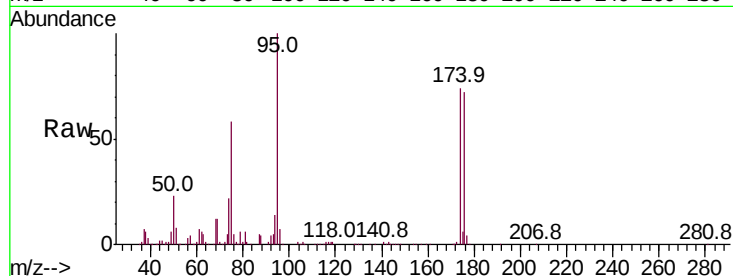
Tot Ion: 95 Resp: 282046

Ion Ratio Lower Upper

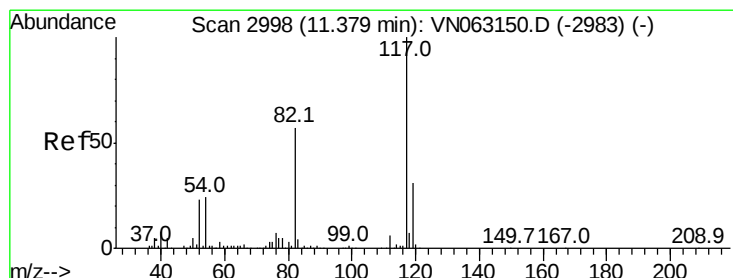
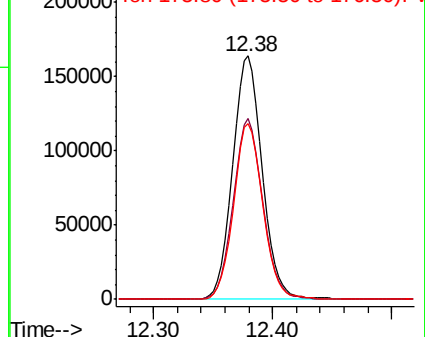
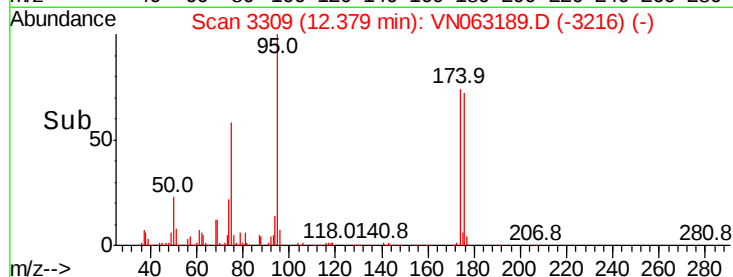
95 100

174 74.0 0.0 143.8

176 71.8 0.0 138.4



Abundance Ion 94.90 (94.60 to 95.60): VN063189.D (-3216) (-)



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.38 min Scan# 2999

Delta R.T. 0.00 min

Lab File: VN063189.D

Acq: 2 Sep 2020 12:41

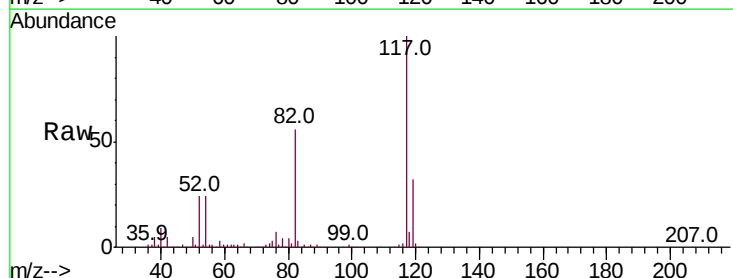
Tgt Ion: 117 Resp: 626544

Ion Ratio Lower Upper

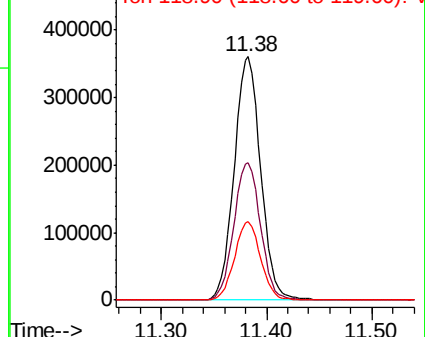
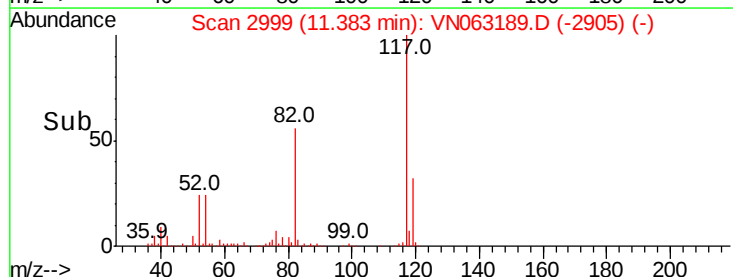
117 100

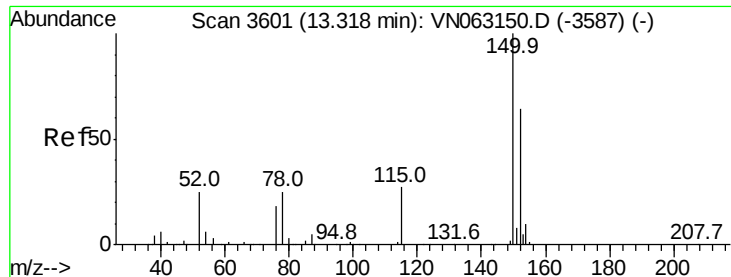
82 56.2 45.4 68.0

119 32.2 24.6 37.0



Abundance Ion 116.90 (116.60 to 117.60): VN063189.D (-2905) (-)





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.32 min Scan# 3602

Delta R.T. 0.00 min

Lab File: VN063189.D

Acq: 2 Sep 2020 12:41

Instrument :

MSVOA_N

ClientSampleId :

OUTFALL001-200901

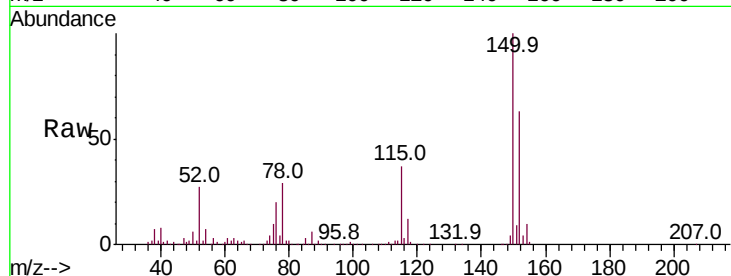
Tot Ion:152 Resp: 243472

Ion Ratio Lower Upper

152 100

115 61.7 32.0 96.2

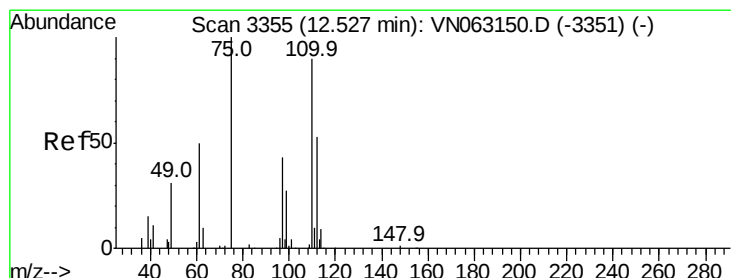
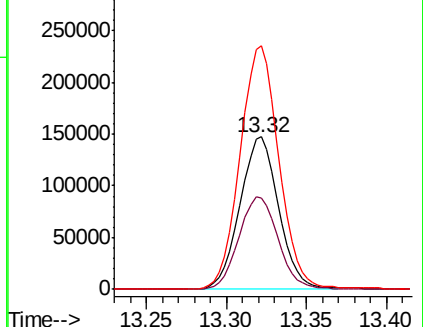
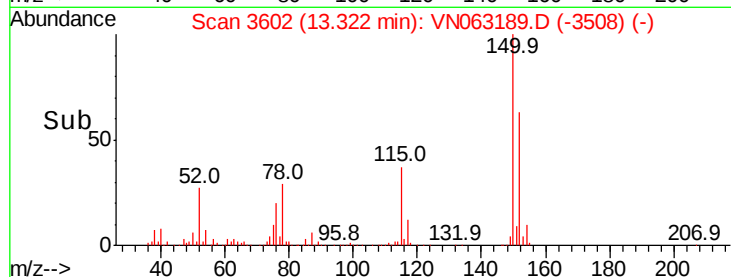
150 161.3 0.0 353.0



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



#76

1,2,3-Trichloropropane

Concen: 34.601 ug/l

RT: 12.38 min Scan# 3309

Delta R.T. -0.15 min

Lab File: VN063189.D

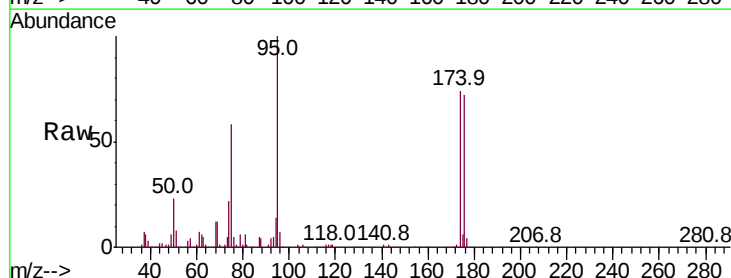
Acq: 2 Sep 2020 12:41

Tgt Ion: 75 Resp: 165522

Ion Ratio Lower Upper

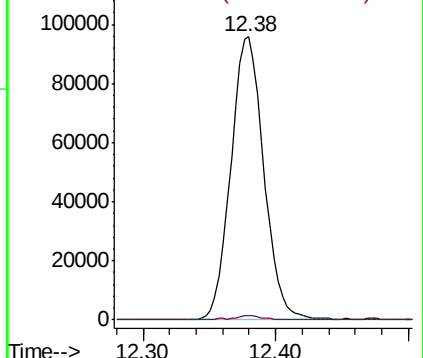
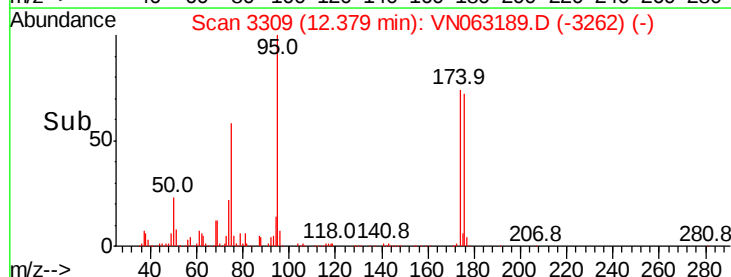
75 100

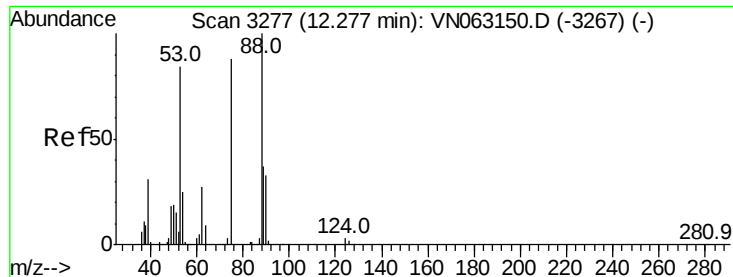
77 1.1 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): V

Ion 77.00 (76.70 to 77.70): V





#81

trans-1,4-Dichloro-2-butene

Concen: 83.630 ug/l

RT: 12.38 min Scan# 3309

Delta R.T. 0.10 min

Lab File: VN063189.D

Acq: 2 Sep 2020 12:41

Instrument :

MSVOA_N

ClientSampleId :

OUTFALL001-200901

Tot Ion: 75 Resp: 165522

Ion Ratio Lower Upper

75 100

53 0.1 78.7 118.1#

89 0.0 35.3 52.9#

