

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN090220\
 Data File : VN063184.D
 Acq On : 2 Sep 2020 10:30
 Operator : JC/MD
 Sample : VN0902WBL01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0902WBL01

Quant Time: Sep 03 00:56:20 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

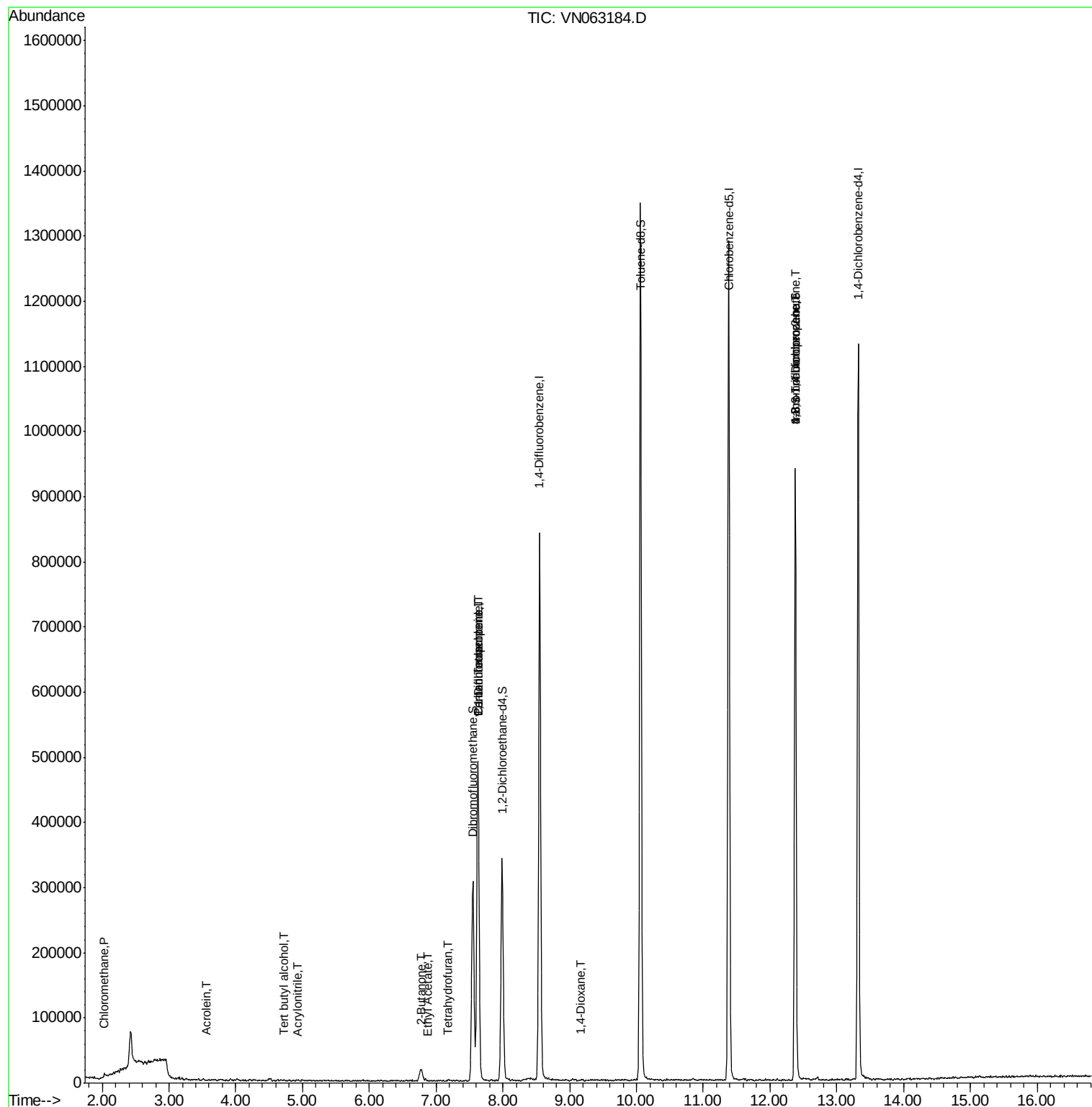
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.62	168	370928	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.55	114	722500	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	710400	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	276472	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	7.99	65	287096	47.35	ug/l	0.00
Spiked Amount 50.000			Recovery	=	94.70%	
35) Dibromofluoromethane	7.55	113	226046	48.77	ug/l	0.00
Spiked Amount 50.000			Recovery	=	97.54%	
50) Toluene-d8	10.06	98	895123	50.17	ug/l	0.00
Spiked Amount 50.000			Recovery	=	100.34%	
62) 4-Bromofluorobenzene	12.38	95	315193	50.50	ug/l	0.00
Spiked Amount 50.000			Recovery	=	101.00%	
Target Compounds						
					Qvalue	
3) Chloromethane	2.03	50	2576	0.484	ug/l	89
7) Trichlorofluoromethane	3.04	101	30	Below Cal	#	19
11) Tert butyl alcohol	4.73	59	153	0.206	ug/l #	1
13) Acrolein	3.57	56	30	15.868	ug/l #	1
15) Acrylonitrile	4.93	53	30	2.418	ug/l #	1
20) Methylene Chloride	4.50	84	778	Below Cal	#	15
25) 2-Butanone	6.78	43	709	0.266	ug/l #	50
29) Tetrahydrofuran	7.16	42	391	0.212	ug/l #	63
31) Cyclohexane	7.62	56	11382	Below Cal	#	24
36) 1,1-Dichloropropene	7.63	75	33226	4.784	ug/l #	47
37) Ethyl Acetate	6.88	43	26	0.384	ug/l #	72
38) Carbon Tetrachloride	7.63	117	40059	5.687	ug/l #	14
49) 1,4-Dioxane	9.16	88	295	3.735	ug/l #	10
76) 1,2,3-Trichloropropane	12.38	75	182913	33.673	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.38	75	182913	81.386	ug/l #	10

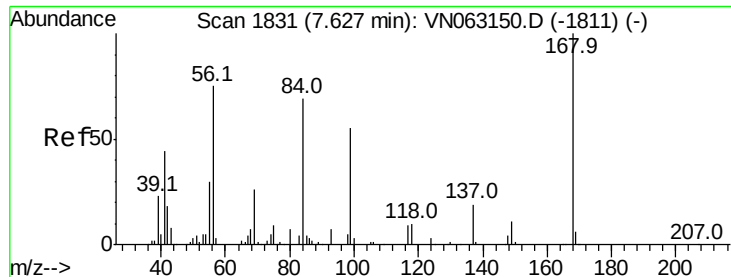
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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ClientSampleId :
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Quant Time: Sep 03 00:56:20 2020
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_N\METHODS\82N083120W.M
Quant Title : SW846 8260
QLast Update : Tue Sep 01 04:21:28 2020
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.62 min Scan# 1830

Delta R.T. -0.00 min

Lab File: VN063184.D

Acq: 2 Sep 2020 10:30

Instrument :

MSVOA_N

ClientSampleId :

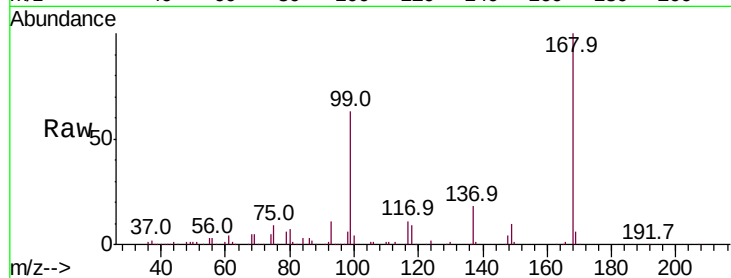
VN0902WBL01

Tot Ion:168 Resp: 370928

Ion Ratio Lower Upper

168 100

99 63.2 54.2 81.2



Abundance Ion 167.90 (167.60 to 168.60): VN063184.D (-1738) (-)

Ion 98.90 (98.60 to 99.60): VN063184.D (-1738) (-)

7.62

150000

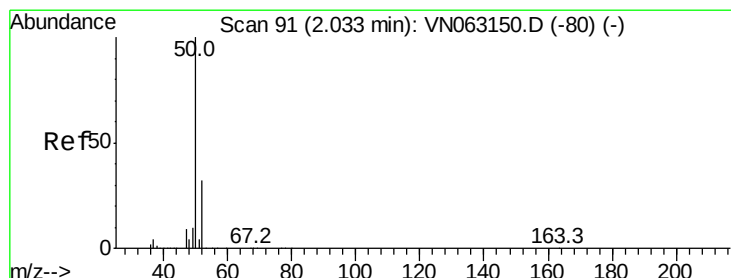
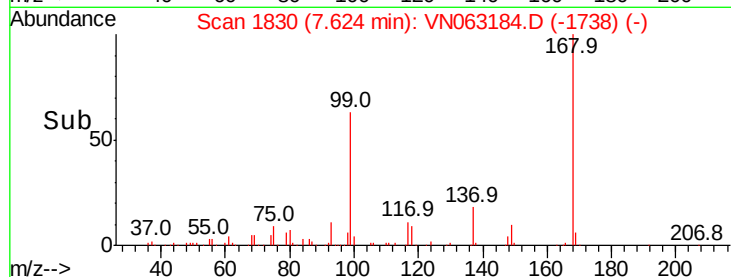
100000

50000

0

7.50 7.60 7.70

Time-->



#3

Chloromethane

Concen: 0.484 ug/l

RT: 2.03 min Scan# 91

Delta R.T. 0.00 min

Lab File: VN063184.D

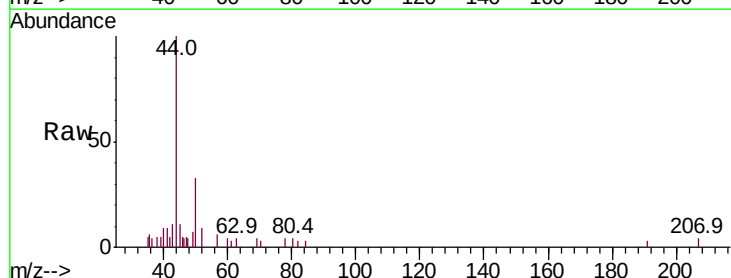
Acq: 2 Sep 2020 10:30

Tgt Ion: 50 Resp: 2576

Ion Ratio Lower Upper

50 100

52 26.1 25.8 38.6



Abundance Ion 49.90 (49.60 to 50.60): VN063184.D (-1) (-)

Ion 51.90 (51.60 to 52.60): VN063184.D (-1) (-)

2.03

2000

1500

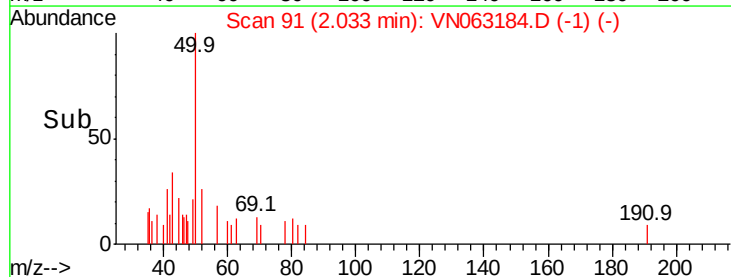
1000

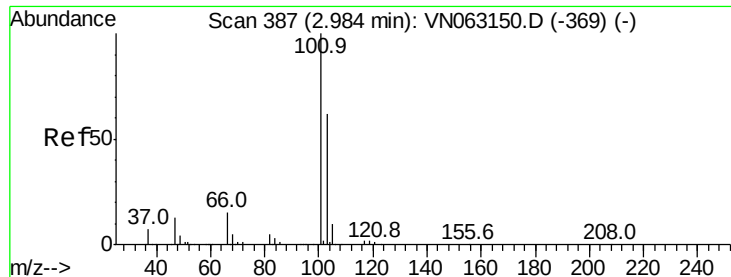
500

0

2.00 2.05

Time-->





#7

Trichlorofluoromethane

Concen: Below Cal

RT: 3.04 min Scan# 403

Delta R.T. 0.05 min

Lab File: VN063184.D

Acq: 2 Sep 2020 10:30

Instrument :

MSVOA_N

ClientSampleId :

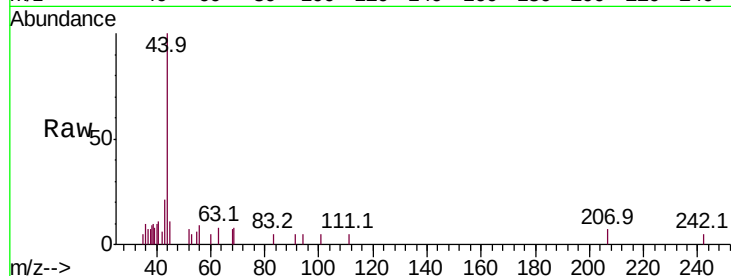
VN0902WBL01

Tot Ion:101 Resp: 30

Ion Ratio Lower Upper

101 100

103 0.0 49.7 74.5#



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 102.80 (102.50 to 103.50): V

3.04

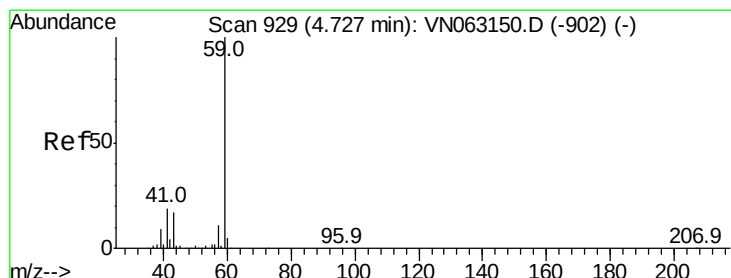
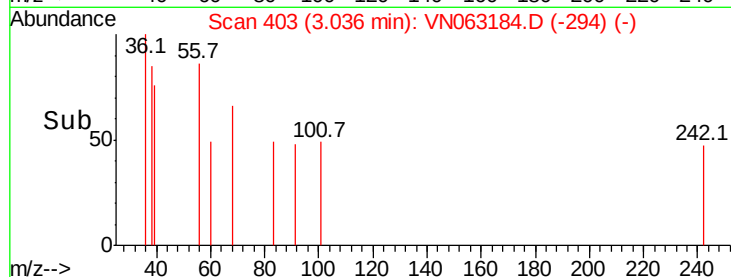
150

100

50

0

Time--> 3.02 3.03 3.04 3.04 3.04



#11

Tert butyl alcohol

Concen: 0.206 ug/l

RT: 4.73 min Scan# 929

Delta R.T. 0.00 min

Lab File: VN063184.D

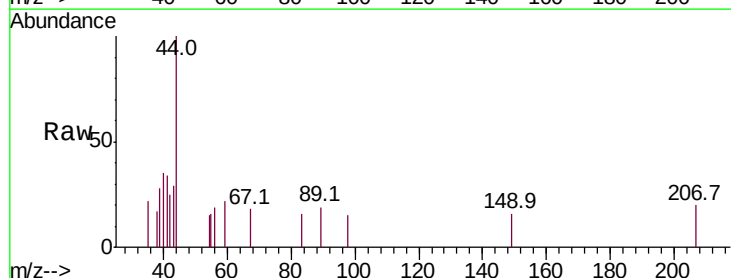
Acq: 2 Sep 2020 10:30

Tgt Ion: 59 Resp: 153

Ion Ratio Lower Upper

59 100

57 93.5 8.4 12.6#



Abundance Ion 59.00 (58.70 to 59.70): VNO

Ion 57.00 (56.70 to 57.70): VNO

4.73

250

200

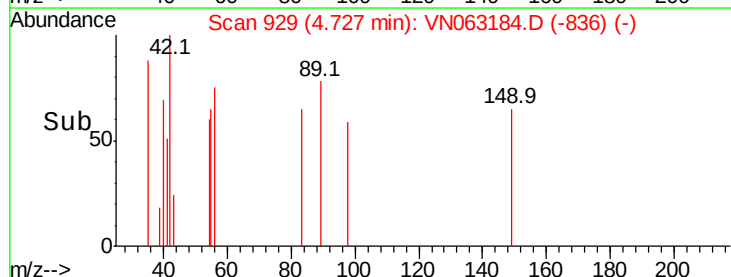
150

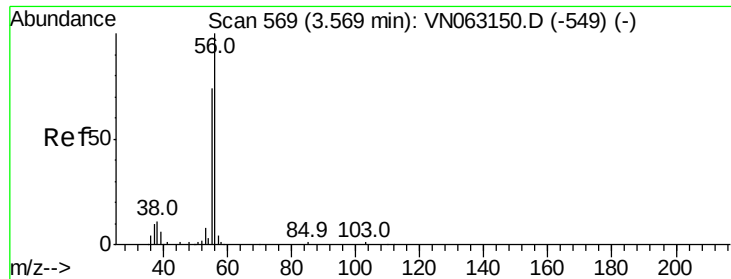
100

50

0

Time--> 4.71 4.72 4.73 4.74





#13

Acrolein

Concen: 15.868 ug/l

RT: 3.57 min Scan# 568

Delta R.T. -0.00 min

Lab File: VN063184.D

Acq: 2 Sep 2020 10:30

Instrument :

MSVOA_N

ClientSampleId :

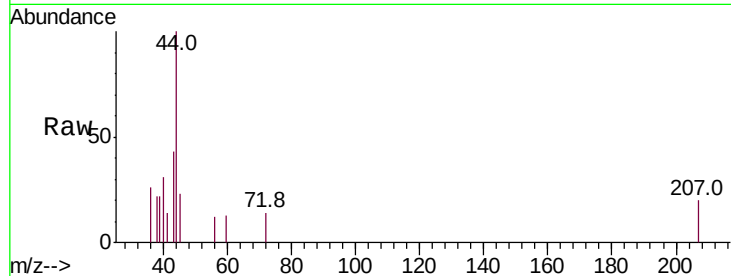
VN0902WBL01

Tot Ion: 56 Resp: 30

Ion Ratio Lower Upper

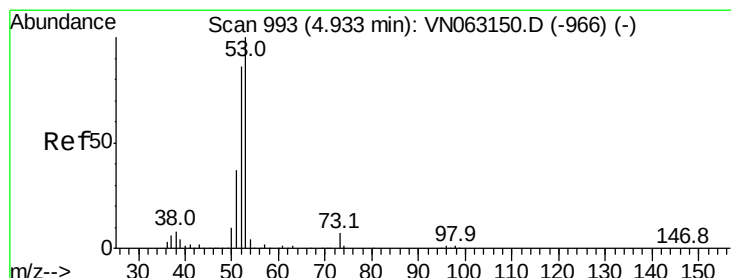
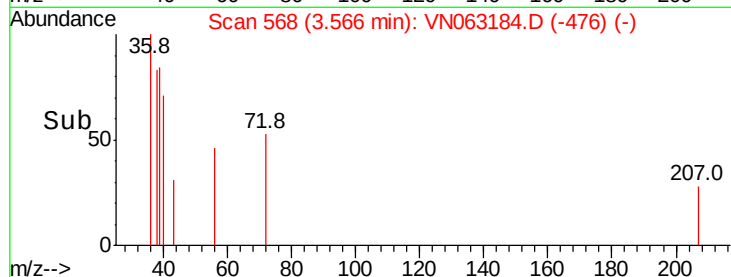
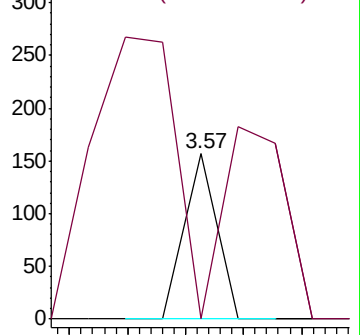
56 100

55 446.7 55.4 83.0#



Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 55.00 (54.70 to 55.70): VN0



#15

Acrylonitrile

Concen: 2.418 ug/l

RT: 4.93 min Scan# 991

Delta R.T. -0.01 min

Lab File: VN063184.D

Acq: 2 Sep 2020 10:30

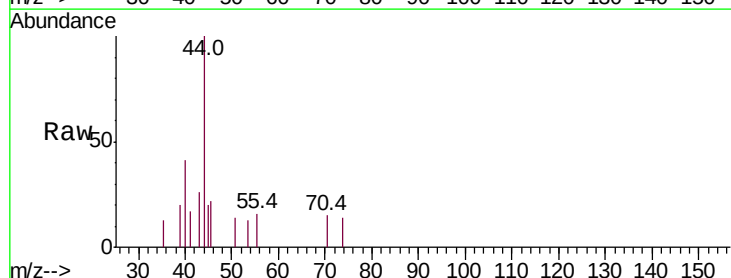
Tgt Ion: 53 Resp: 30

Ion Ratio Lower Upper

53 100

52 0.0 67.2 100.8#

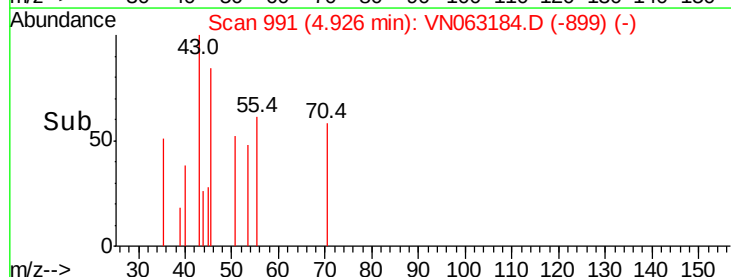
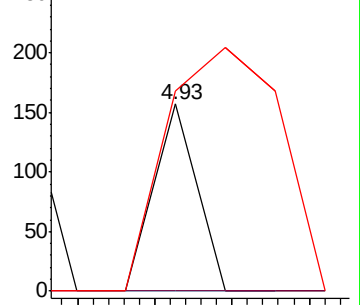
51 346.7 30.2 45.4#

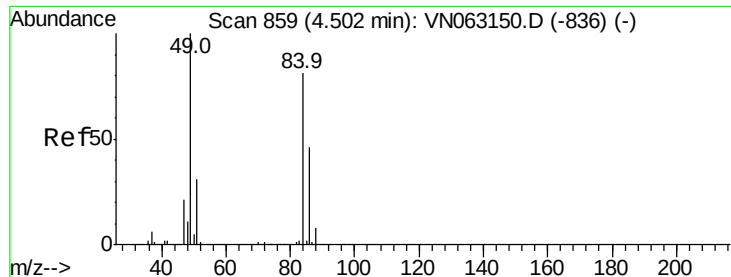


Abundance Ion 53.00 (52.70 to 53.70): VN0

Ion 52.00 (51.70 to 52.70): VN0

Ion 51.00 (50.70 to 51.70): VN0

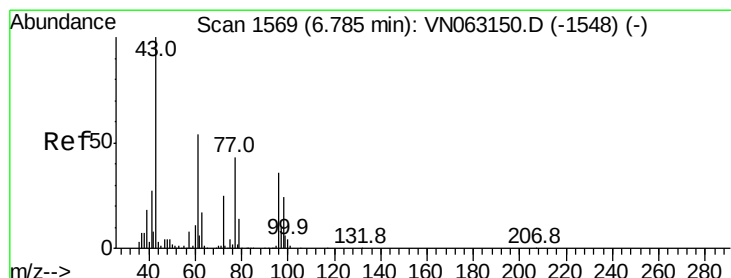
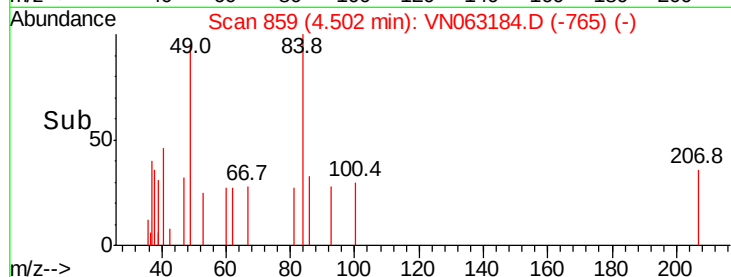
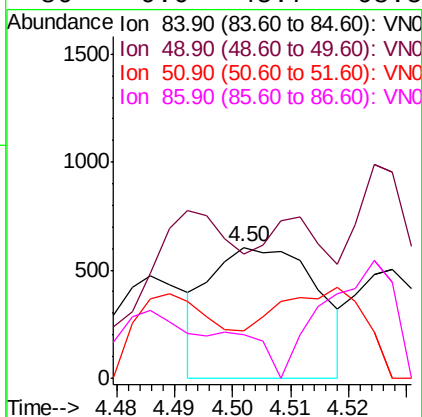
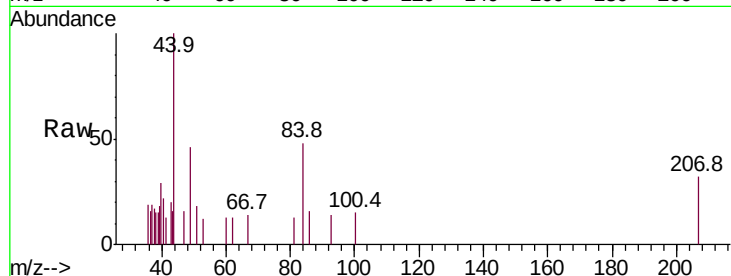




#20
Methvlene Chloride
Concen: Below Cal
RT: 4.50 min Scan# 859
Delta R.T. 0.00 min
Lab File: VN063184.D
Acq: 2 Sep 2020 10:30

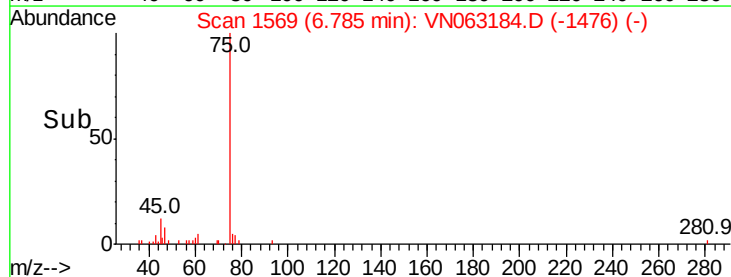
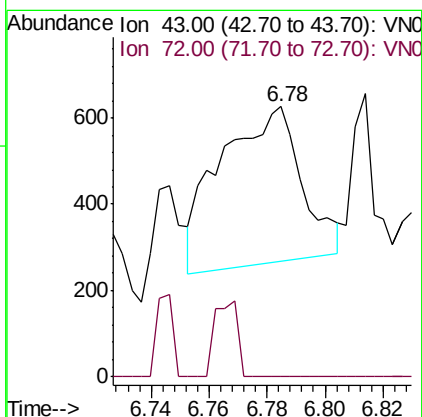
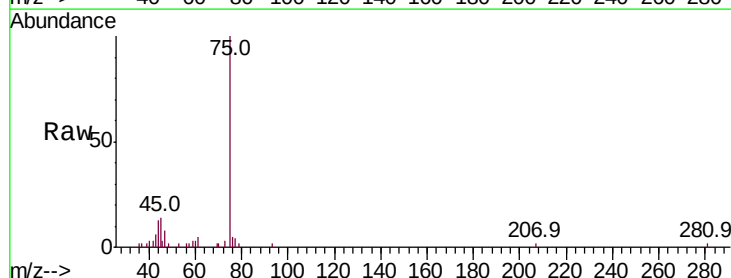
Instrument :
MSVOA_N
ClientSampled :
VN0902WBL01

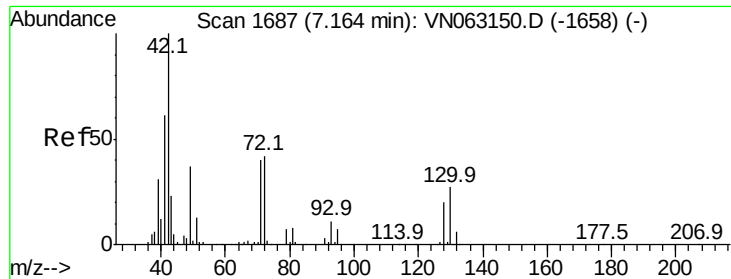
Tot Ion: 84 Resp: 778
Ion Ratio Lower Upper
84 100
49 15.3 98.4 147.6#
51 0.0 30.4 45.6#
86 0.0 45.7 68.5#



#25
2-Butanone
Concen: 0.266 ug/l
RT: 6.78 min Scan# 1569
Delta R.T. 0.00 min
Lab File: VN063184.D
Acq: 2 Sep 2020 10:30

Tgt Ion: 43 Resp: 709
Ion Ratio Lower Upper
43 100
72 0.0 20.2 30.4#





#29

Tetrahydrofuran

Concen: 0.212 ug/l

RT: 7.16 min Scan# 1687

Delta R.T. 0.00 min

Lab File: VN063184.D

Acq: 2 Sep 2020 10:30

Instrument :

MSVOA_N

ClientSampled :

VN0902WBL01

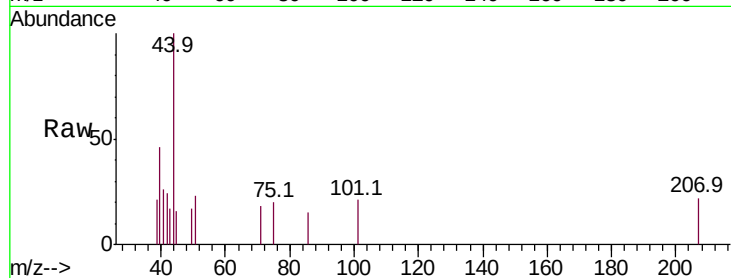
Tot Ion: 42 Resp: 391

Ion Ratio Lower Upper

42 100

72 0.0 33.9 50.9#

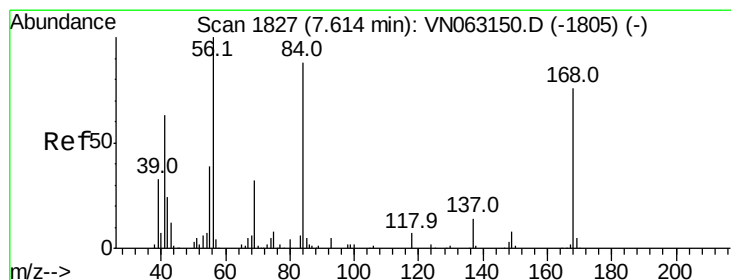
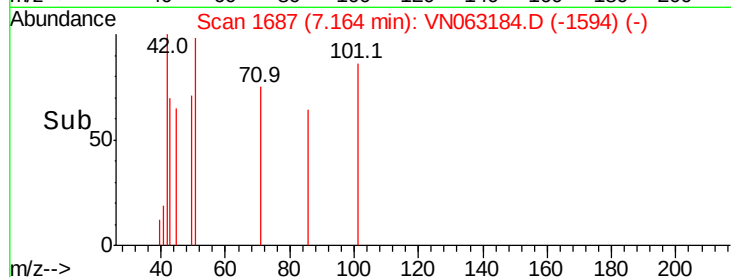
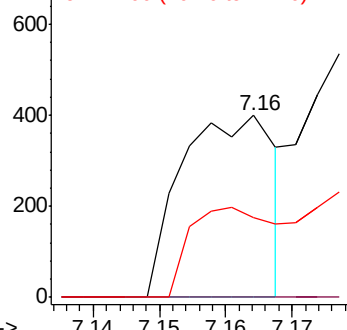
71 43.5 31.9 47.9



Abundance Ion 42.00 (41.70 to 42.70): VN0

Ion 72.00 (71.70 to 72.70): VN0

Ion 71.00 (70.70 to 71.70): VN0



#31

Cyclohexane

Concen: Below Cal

RT: 7.62 min Scan# 1830

Delta R.T. 0.01 min

Lab File: VN063184.D

Acq: 2 Sep 2020 10:30

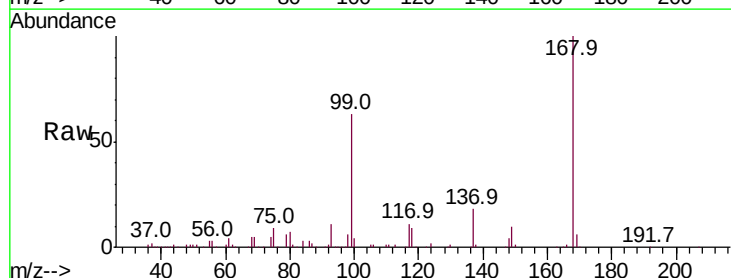
Tgt Ion: 56 Resp: 11382

Ion Ratio Lower Upper

56 100

69 156.5 25.4 38.0#

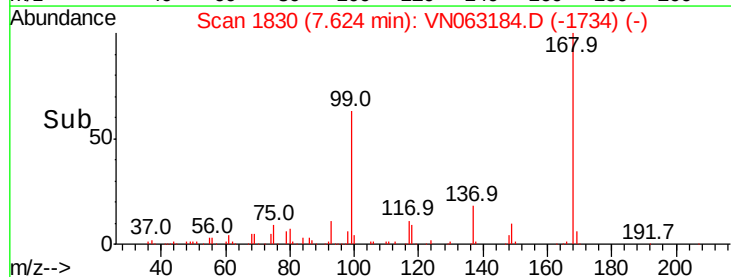
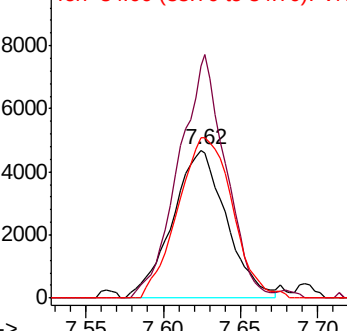
84 108.3 70.2 105.4#

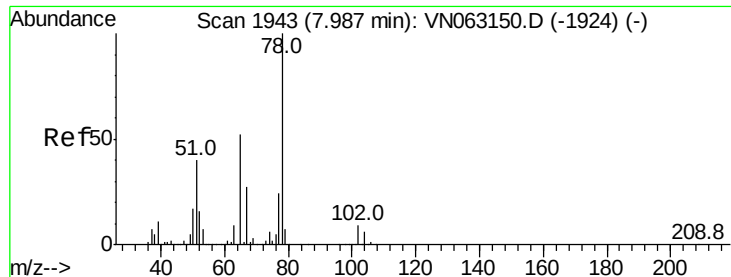


Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 69.00 (68.70 to 69.70): VN0

Ion 84.00 (83.70 to 84.70): VN0

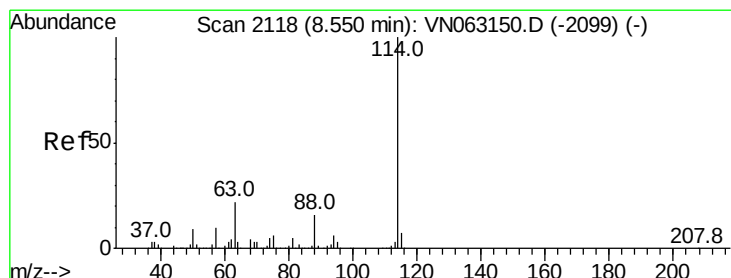
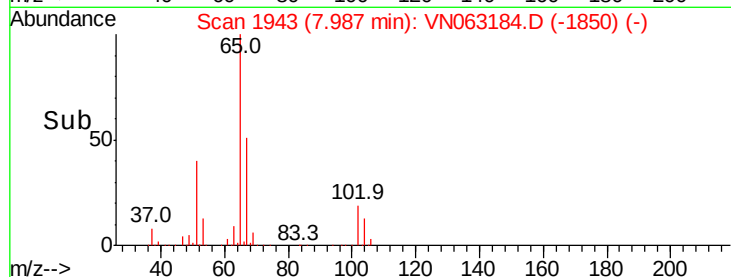
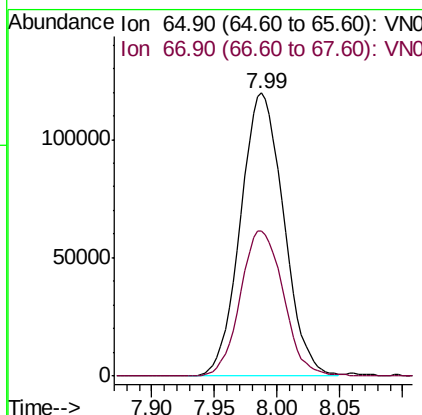
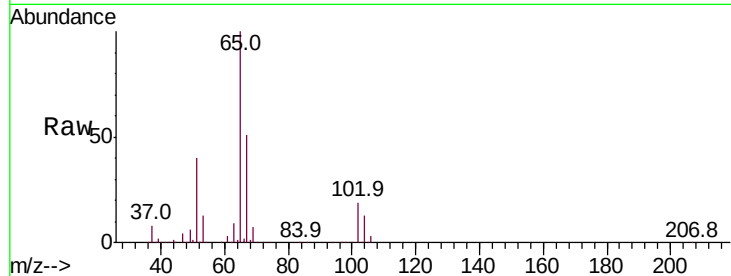




#33
 1,2-Dichloroethane-d4
 Concen: 47.348 ug/l
 RT: 7.99 min Scan# 1943
 Delta R.T. 0.00 min
 Lab File: VN063184.D
 Acq: 2 Sep 2020 10:30

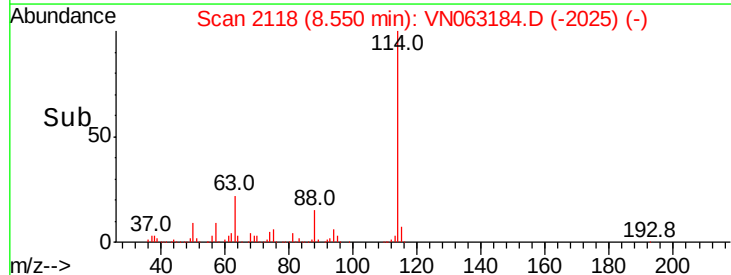
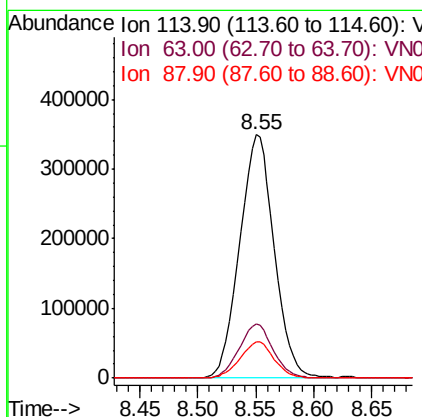
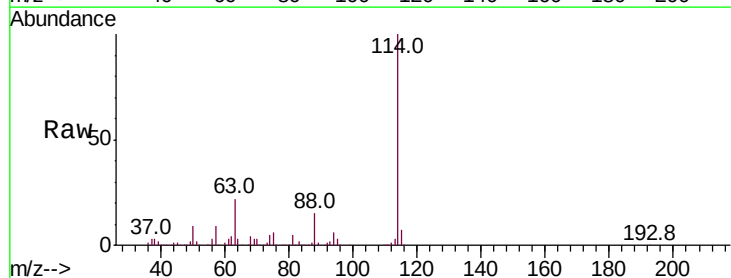
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0902WBL01

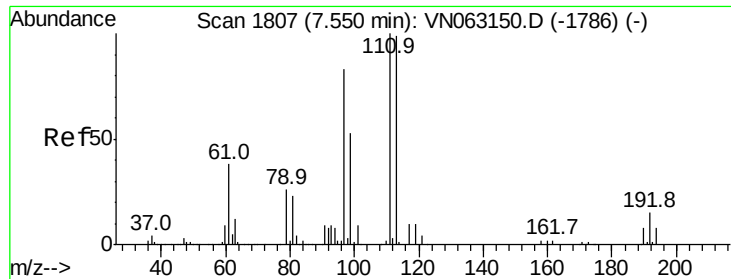
Tot Ion: 65 Resp: 287096
 Ion Ratio Lower Upper
 65 100
 67 51.3 0.0 104.4



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.55 min Scan# 2118
 Delta R.T. 0.00 min
 Lab File: VN063184.D
 Acq: 2 Sep 2020 10:30

Tgt Ion: 114 Resp: 722500
 Ion Ratio Lower Upper
 114 100
 63 22.3 0.0 43.0
 88 14.7 0.0 31.6





#35

Dibromofluoromethane

Concen: 48.767 ug/l

RT: 7.55 min Scan# 1807

Delta R.T. 0.00 min

Lab File: VN063184.D

Acq: 2 Sep 2020 10:30

Instrument :

MSVOA_N

ClientSampleId :

VN0902WBL01

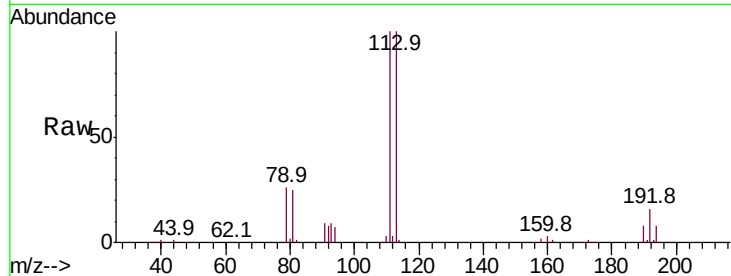
Tot Ion:113 Resp: 226046

Ion Ratio Lower Upper

113 100

111 102.7 80.7 121.1

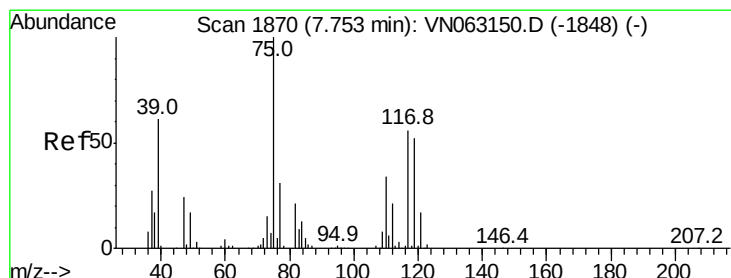
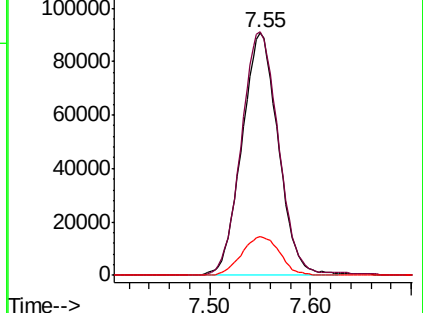
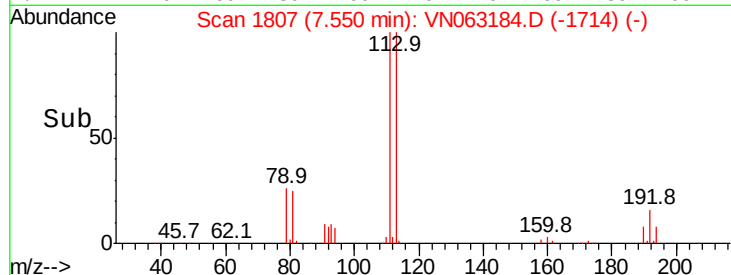
192 16.8 12.6 19.0



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: 4.784 ug/l

RT: 7.63 min Scan# 1831

Delta R.T. -0.13 min

Lab File: VN063184.D

Acq: 2 Sep 2020 10:30

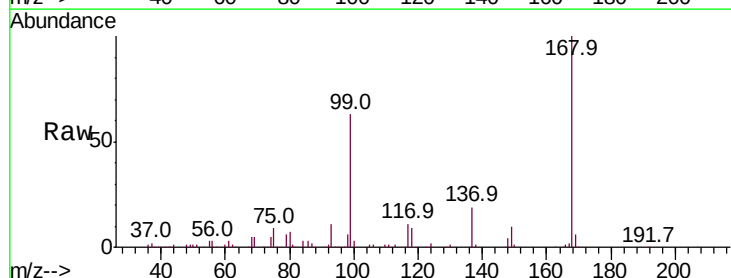
Tgt Ion: 75 Resp: 33226

Ion Ratio Lower Upper

75 100

110 5.0 16.6 49.8#

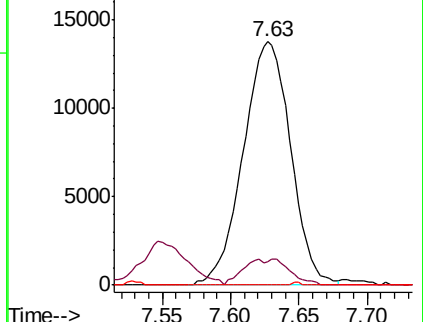
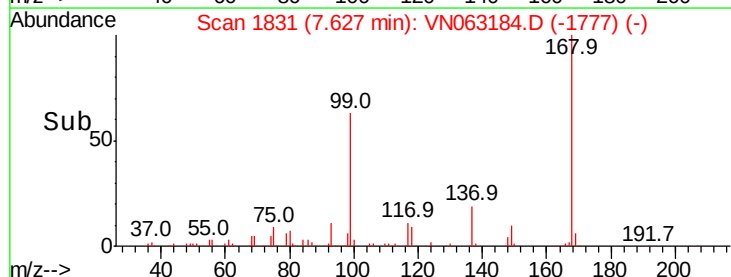
77 0.0 25.4 38.2#

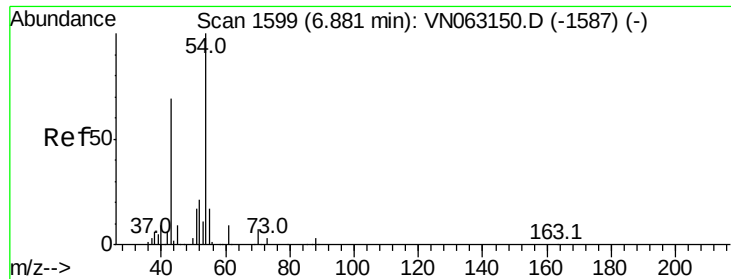


Abundance Ion 74.90 (74.60 to 75.60): V

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): V

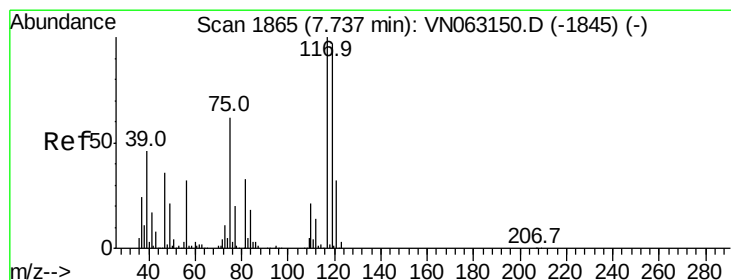
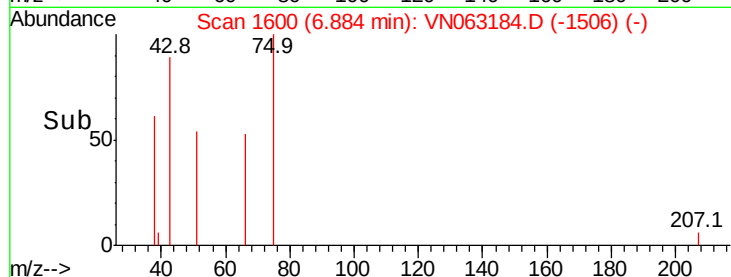
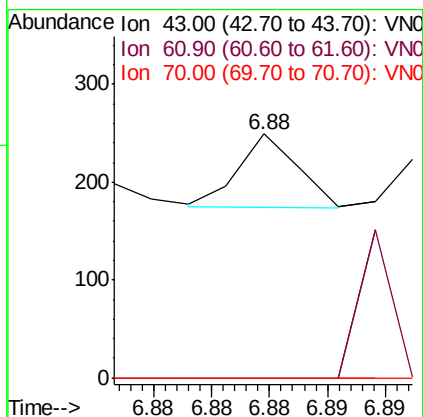
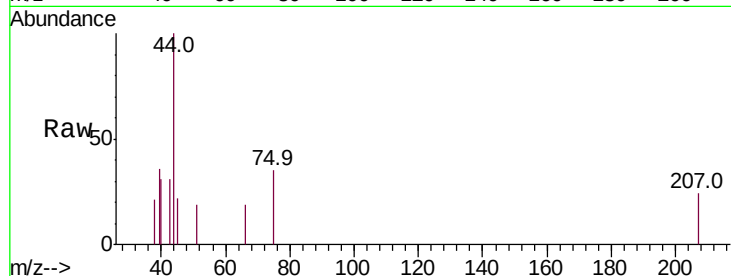




#37
Ethyl Acetate
Concen: 0.384 ug/l
RT: 6.88 min Scan# 1600
Delta R.T. 0.00 min
Lab File: VN063184.D
Acq: 2 Sep 2020 10:30

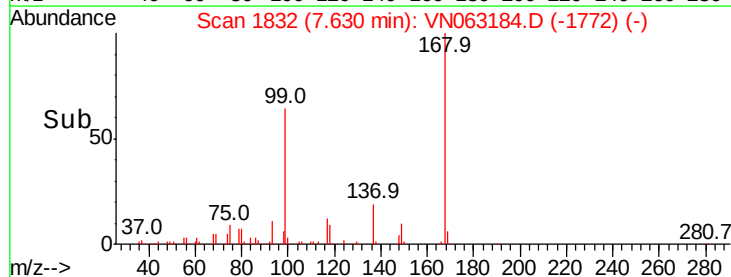
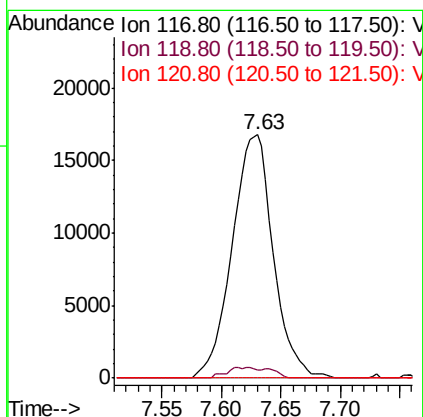
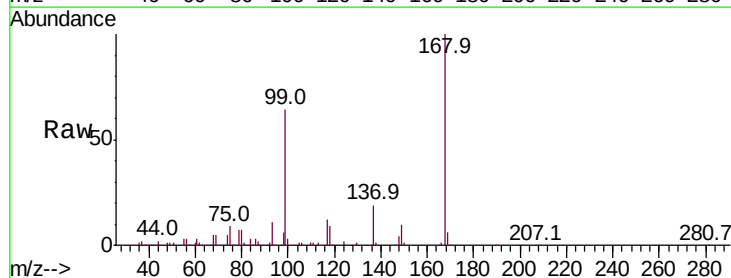
Instrument :
MSVOA_N
ClientSampleId :
VN0902WBL01

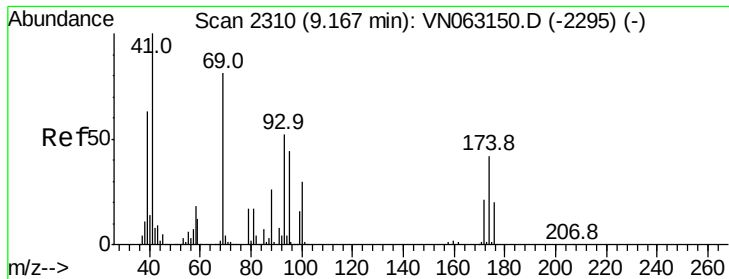
Tot Ion: 43 Resp: 26
Ion Ratio Lower Upper
43 100
61 0.0 10.2 15.4#
70 0.0 3.0 4.6#



#38
Carbon Tetrachloride
Concen: 5.687 ug/l
RT: 7.63 min Scan# 1832
Delta R.T. -0.11 min
Lab File: VN063184.D
Acq: 2 Sep 2020 10:30

Tgt Ion: 117 Resp: 40059
Ion Ratio Lower Upper
117 100
119 3.3 77.2 115.8#
121 0.0 25.6 38.4#

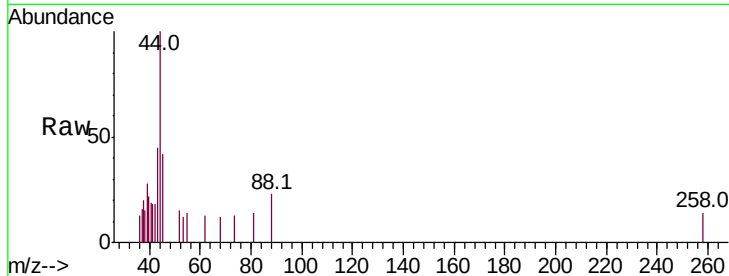




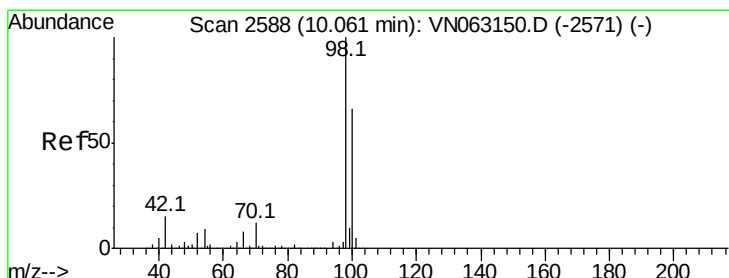
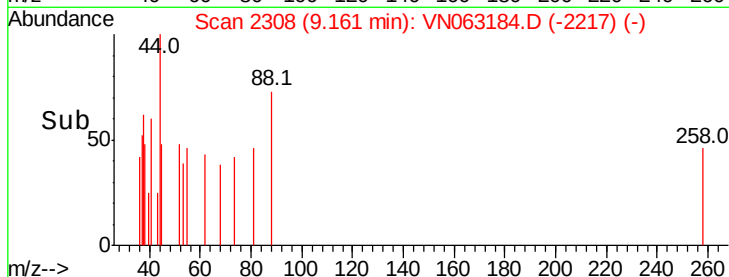
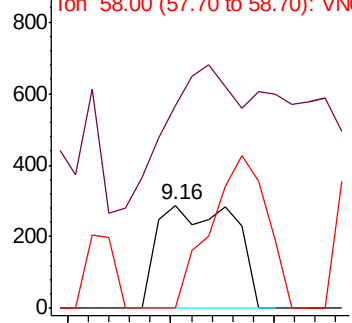
#49
1,4-Dioxane
Concen: 3.735 ug/l
RT: 9.16 min Scan# 2308
Delta R.T. -0.01 min
Lab File: VN063184.D
Acq: 2 Sep 2020 10:30

Instrument :
MSVOA_N
ClientSampled :
VN0902WBL01

Tot Ion: 88 Resp: 295
Ion Ratio Lower Upper
88 100
43 127.8 28.6 42.8#
58 109.5 53.2 79.8#

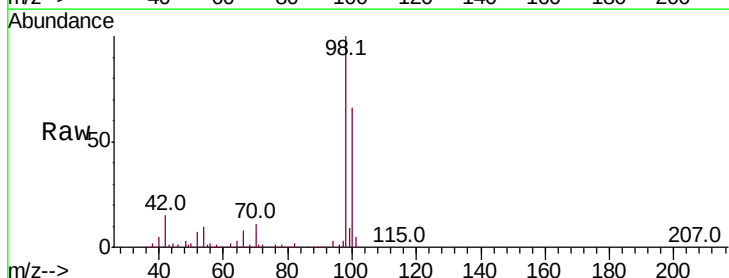


Abundance Ion 88.00 (87.70 to 88.70): VN0
Ion 43.00 (42.70 to 43.70): VN0
Ion 58.00 (57.70 to 58.70): VN0

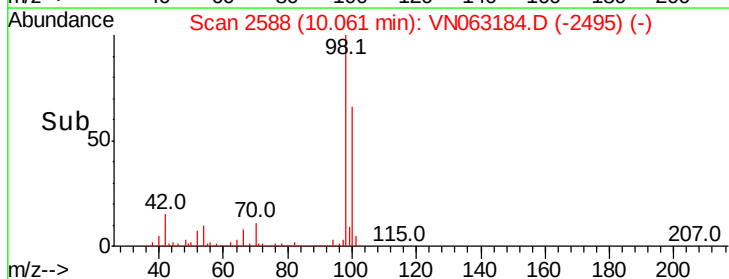
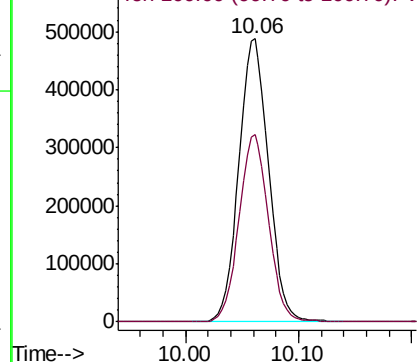


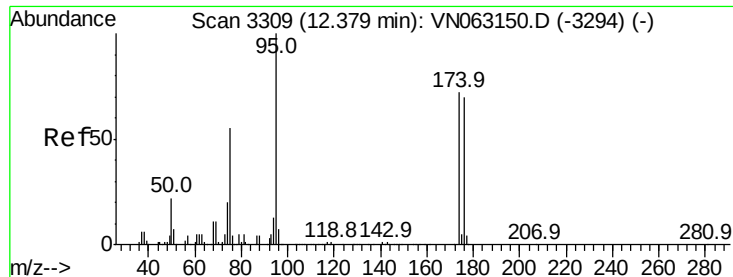
#50
Toluene-d8
Concen: 50.172 ug/l
RT: 10.06 min Scan# 2588
Delta R.T. 0.00 min
Lab File: VN063184.D
Acq: 2 Sep 2020 10:30

Tgt Ion: 98 Resp: 895123
Ion Ratio Lower Upper
98 100
100 65.6 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: 50.505 ug/l

RT: 12.38 min Scan# 3309

Delta R.T. 0.00 min

Lab File: VN063184.D

Acq: 2 Sep 2020 10:30

Instrument :

MSVOA_N

ClientSampleId :

VN0902WBL01

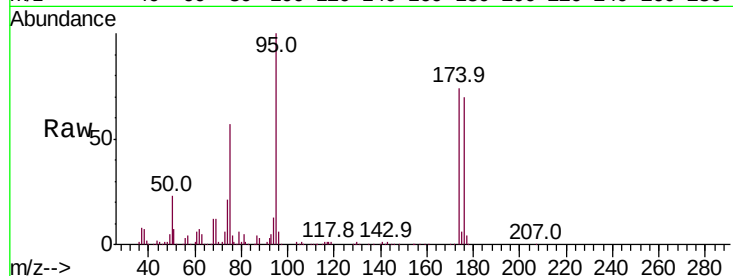
Tot Ion: 95 Resp: 315193

Ion Ratio Lower Upper

95 100

174 74.4 0.0 143.8

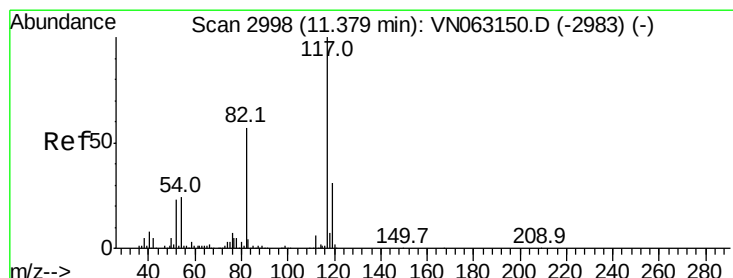
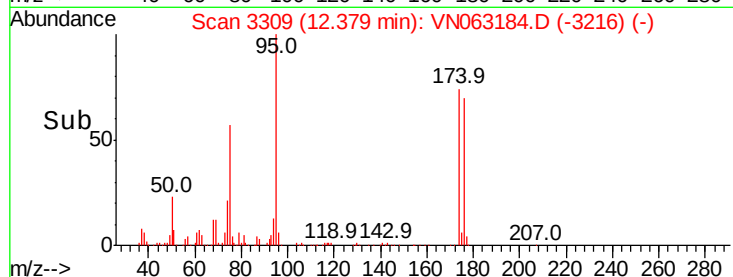
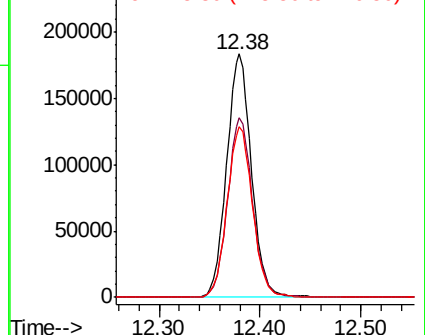
176 71.7 0.0 138.4



Abundance Ion 94.90 (94.60 to 95.60): VN063150.D (-3294) (-)

Ion 173.80 (173.50 to 174.50): VN063150.D (-3294) (-)

Ion 175.80 (175.50 to 176.50): VN063150.D (-3294) (-)



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.38 min Scan# 2999

Delta R.T. 0.00 min

Lab File: VN063184.D

Acq: 2 Sep 2020 10:30

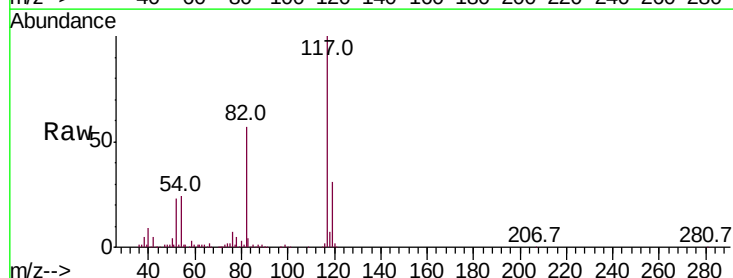
Tgt Ion: 117 Resp: 710400

Ion Ratio Lower Upper

117 100

82 56.8 45.4 68.0

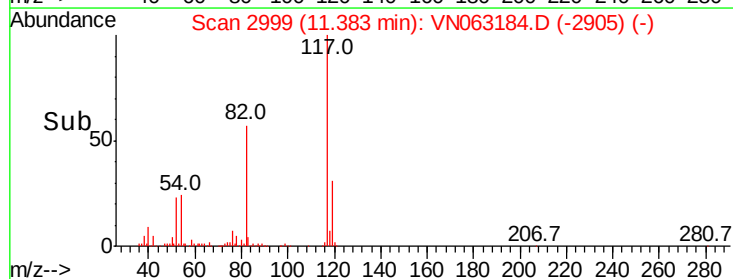
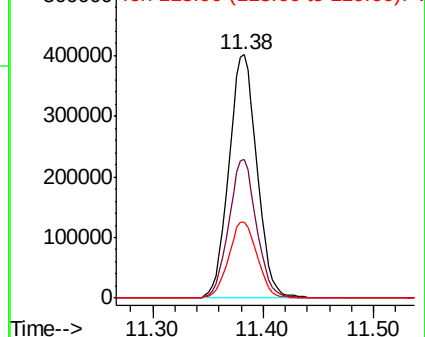
119 30.9 24.6 37.0

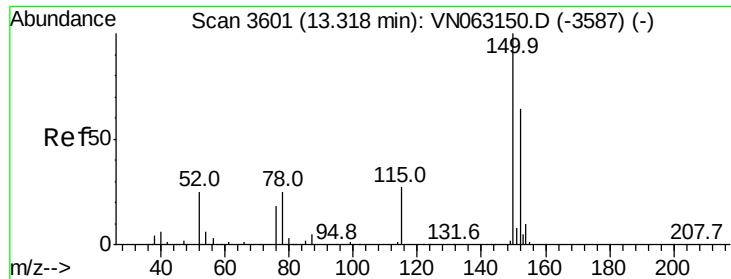


Abundance Ion 116.90 (116.60 to 117.60): VN063150.D (-2983) (-)

Ion 82.00 (81.70 to 82.70): VN063150.D (-2983) (-)

Ion 118.90 (118.60 to 119.60): VN063150.D (-2983) (-)





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.32 min Scan# 3602

Delta R.T. 0.00 min

Lab File: VN063184.D

Acq: 2 Sep 2020 10:30

Instrument :

MSVOA_N

ClientSampleId :

VN0902WBL01

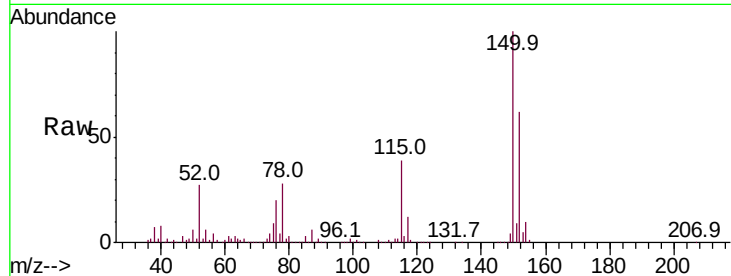
Tot Ion:152 Resp: 276472

Ion Ratio Lower Upper

152 100

115 61.4 32.0 96.2

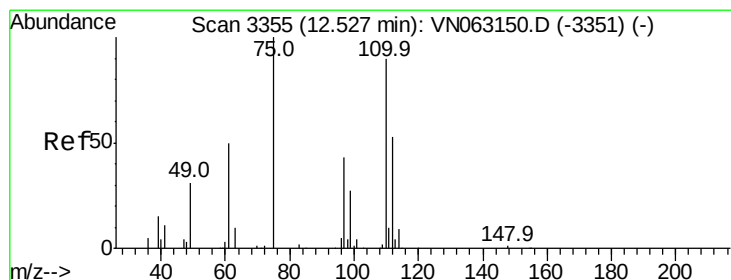
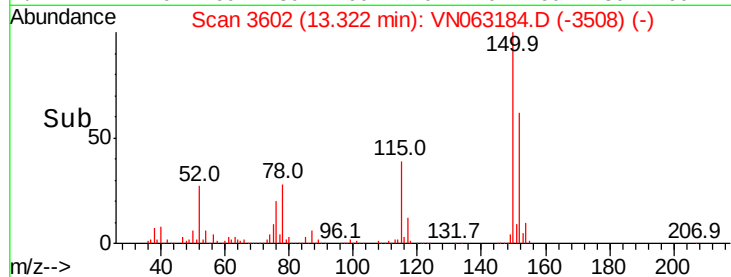
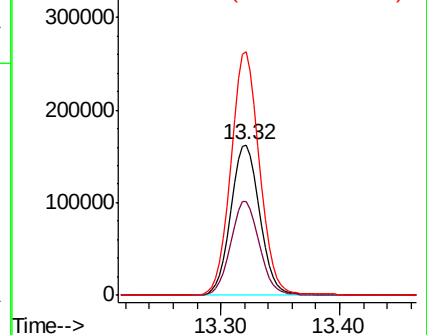
150 159.2 0.0 353.0



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: 33.673 ug/l

RT: 12.38 min Scan# 3309

Delta R.T. -0.15 min

Lab File: VN063184.D

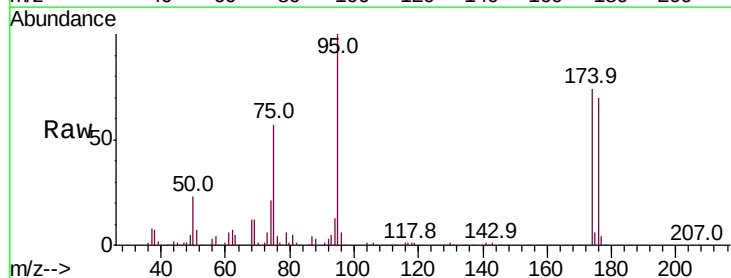
Acq: 2 Sep 2020 10:30

Tgt Ion: 75 Resp: 182913

Ion Ratio Lower Upper

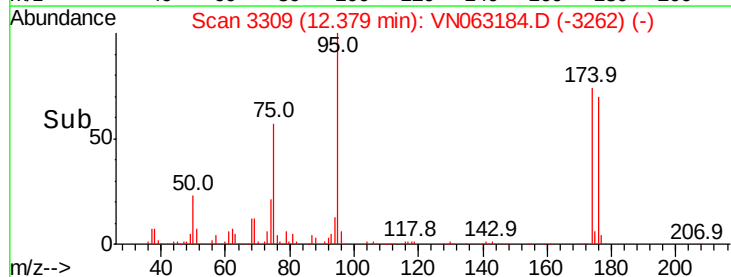
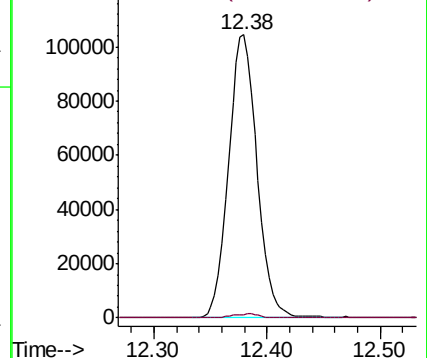
75 100

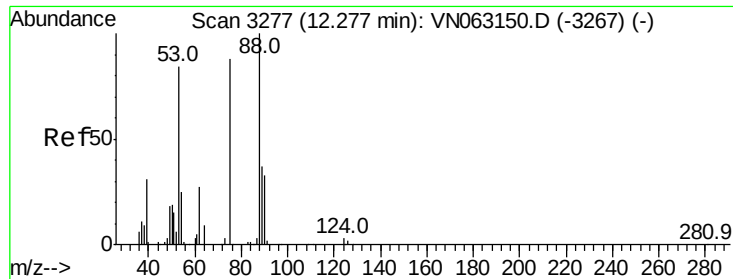
77 1.4 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 77.00 (76.70 to 77.70): VN0





#81

trans-1,4-Dichloro-2-butene

Concen: 81.386 ug/l

RT: 12.38 min Scan# 3309

Delta R.T. 0.10 min

Lab File: VN063184.D

Acq: 2 Sep 2020 10:30

Instrument :

MSVOA_N

ClientSampleId :

VN0902WBL01

Tot Ion: 75 Resp: 182913

Ion Ratio Lower Upper

75 100

53 0.0 78.7 118.1#

89 0.0 35.3 52.9#

