

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN090920\
 Data File : VN063272.D
 Acq On : 9 Sep 2020 10:48
 Operator : JC/MD
 Sample : VN0909MBL01
 Misc : 5.00g/10mL/100uL/5.00mL/MSVOA_N/MEOH
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0909MBL01

Quant Time: Sep 09 15:33:01 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

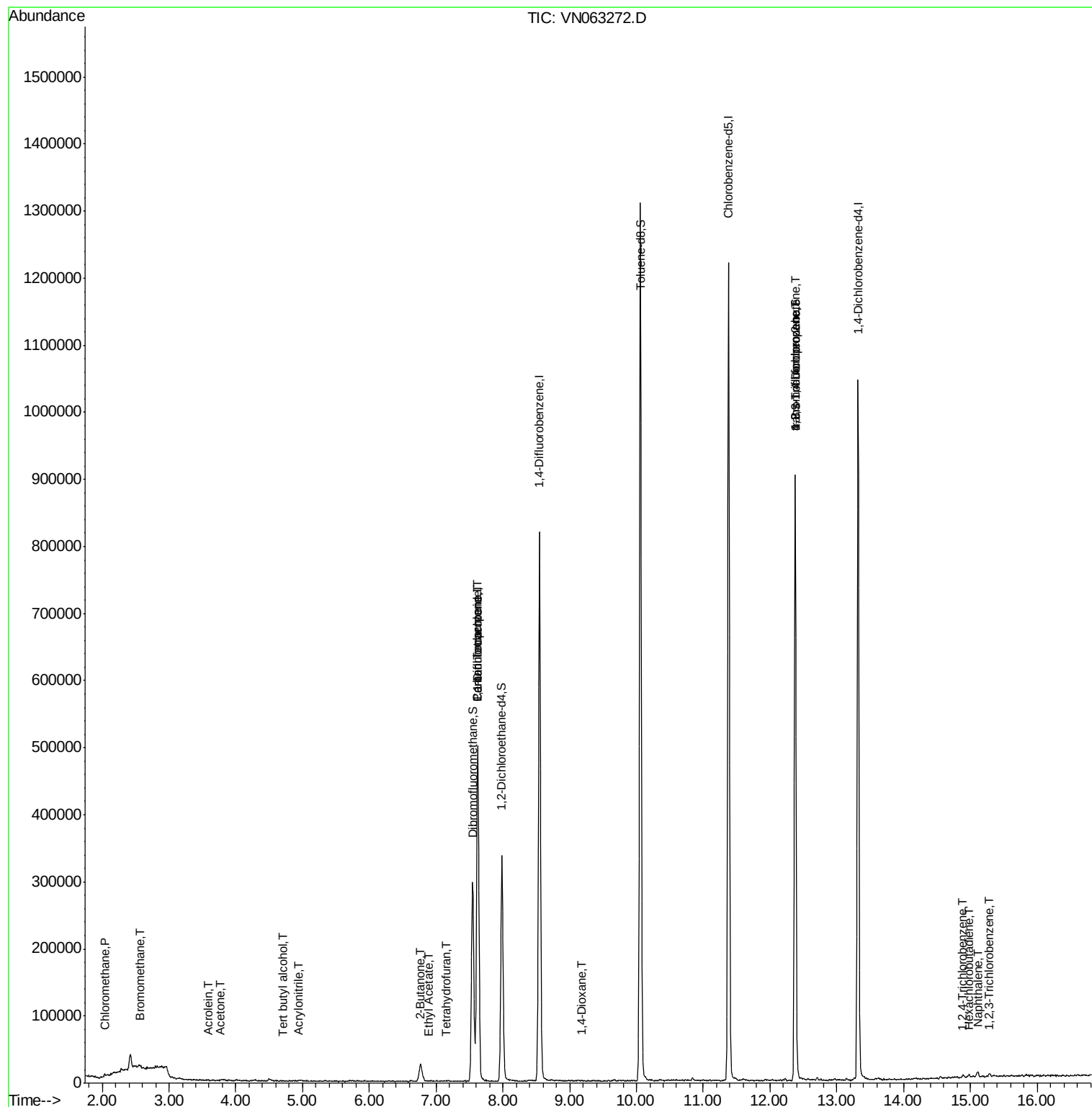
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.62	168	370025	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.55	114	694882	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	652795	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	253895	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	7.98	65	287959	47.61	ug/l	0.00
Spiked Amount 50.000			Recovery	=	95.22%	
35) Dibromofluoromethane	7.55	113	226788	50.87	ug/l	0.00
Spiked Amount 50.000			Recovery	=	101.74%	
50) Toluene-d8	10.06	98	886130	51.64	ug/l	0.00
Spiked Amount 50.000			Recovery	=	103.28%	
62) 4-Bromofluorobenzene	12.38	95	319824	53.28	ug/l	0.00
Spiked Amount 50.000			Recovery	=	106.56%	
Target Compounds						
					Qvalue	
3) Chloromethane	2.03	50	2036	0.384	ug/l	98
5) Bromomethane	2.55	94	1192	0.242	ug/l #	50
7) Trichlorofluoromethane	2.99	101	31	Below Cal	#	1
11) Tert butyl alcohol	4.71	59	231	0.311	ug/l #	58
13) Acrolein	3.57	56	128	16.193	ug/l #	1
15) Acrylonitrile	4.93	53	275	2.535	ug/l #	72
16) Acetone	3.77	43	379	0.220	ug/l #	46
20) Methylene Chloride	4.50	84	1036	Below Cal	#	84
25) 2-Butanone	6.77	43	1261	0.474	ug/l #	50
29) Tetrahydrofuran	7.16	42	391	0.212	ug/l #	34
31) Cyclohexane	7.62	56	11333	Below Cal	#	48
36) 1,1-Dichloropropene	7.62	75	34291	5.133	ug/l #	50
37) Ethyl Acetate	6.88	43	148	0.404	ug/l #	72
38) Carbon Tetrachloride	7.62	117	41229	6.086	ug/l #	16
49) 1,4-Dioxane	9.17	88	94	1.237	ug/l #	1
76) 1,2,3-Trichloropropane	12.38	75	180467	36.177	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.38	75	180467	87.438	ug/l #	10
93) 1,2,4-Trichlorobenzene	14.89	180	1050	0.239	ug/l #	64
94) Hexachlorobutadiene	14.98	225	616	0.376	ug/l	88
95) Naphthalene	15.11	128	6900	0.471	ug/l #	96
96) 1,2,3-Trichlorobenzene	15.28	180	1144	0.268	ug/l	91

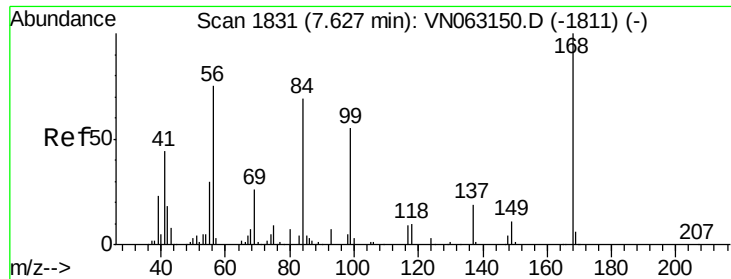
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VN063272.D

Acq: 9 Sep 2020 10:48

Instrument :

MSVOA_N

ClientSampled :

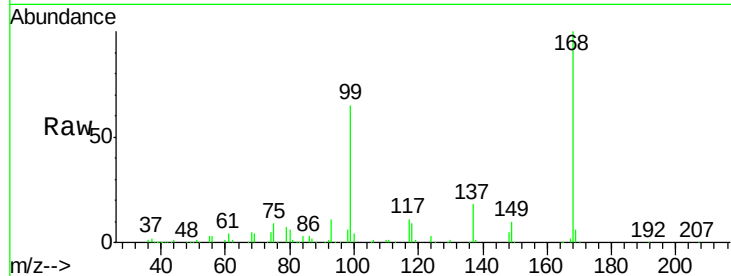
VN0909MBL01

Tgt Ion:168 Resp: 370025

Ion Ratio Lower Upper

168 100

99 65.2 54.2 81.2



Abundance Ion 167.90 (167.60 to 168.60): VN0

Ion 98.90 (98.60 to 99.60): VN0

7.62

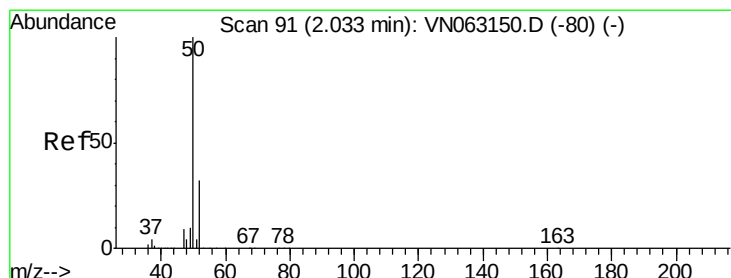
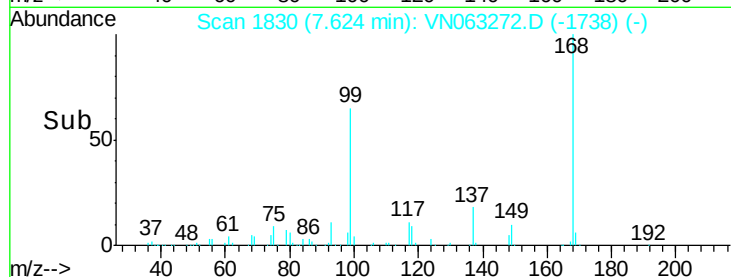
150000

100000

50000

0

Time--> 7.50 7.60 7.70



#3

Chloromethane

Concen: 0.384 ug/l

RT: 2.03 min Scan# 91

Delta R.T. 0.00 min

Lab File: VN063272.D

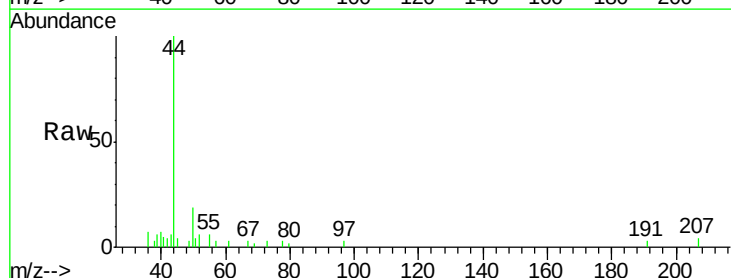
Acq: 9 Sep 2020 10:48

Tgt Ion: 50 Resp: 2036

Ion Ratio Lower Upper

50 100

52 33.6 25.8 38.6



Abundance Ion 49.90 (49.60 to 50.60): VN0

Ion 51.90 (51.60 to 52.60): VN0

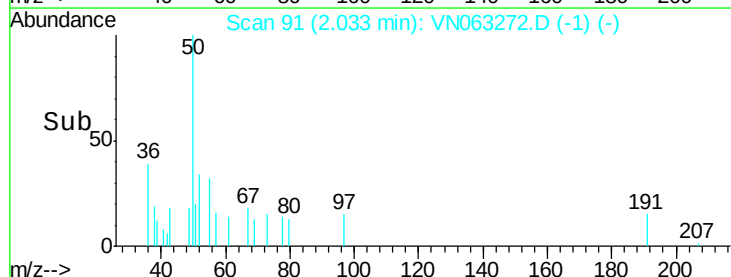
2.03

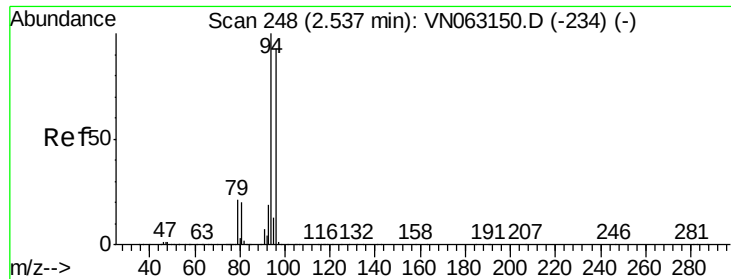
1000

500

0

Time--> 2.00 2.05





#5

Bromomethane

Concen: 0.242 ug/l

RT: 2.55 min Scan# 252

Delta R.T. 0.01 min

Lab File: VN063272.D

Acq: 9 Sep 2020 10:48

Instrument :

MSVOA_N

ClientSampleId :

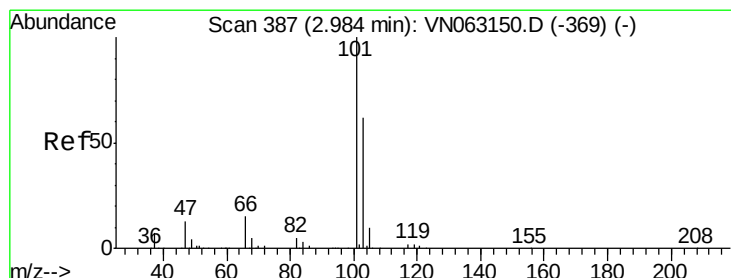
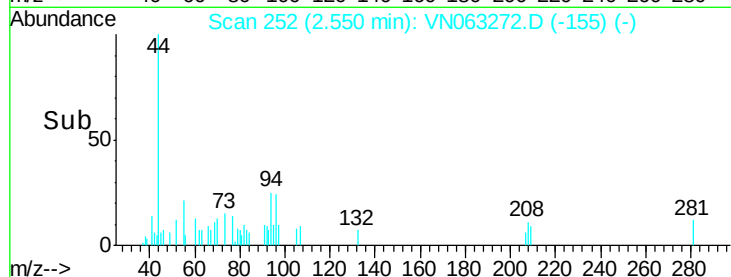
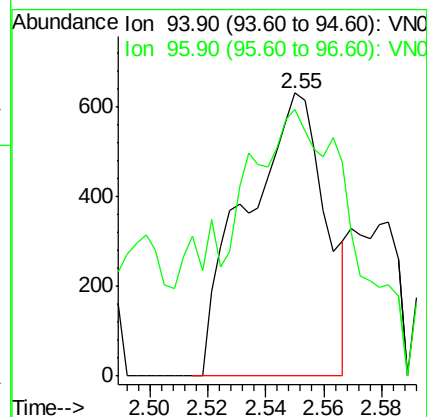
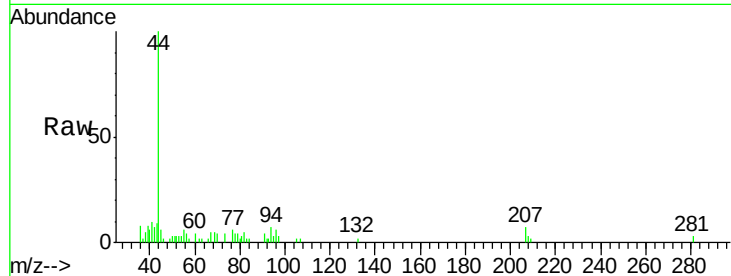
VN0909MBL01

Tgt Ion: 94 Resp: 1192

Ion Ratio Lower Upper

94 100

96 44.7 74.4 111.6#



#7

Trichlorofluoromethane

Concen: Below Cal

RT: 2.99 min Scan# 388

Delta R.T. 0.00 min

Lab File: VN063272.D

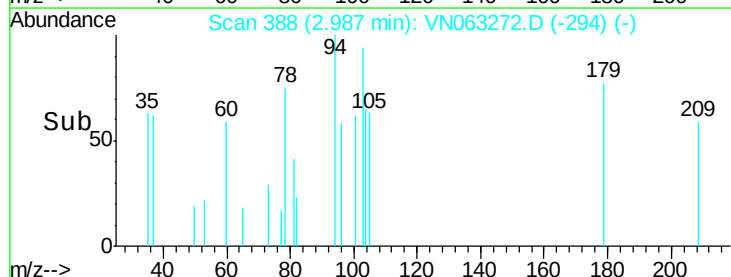
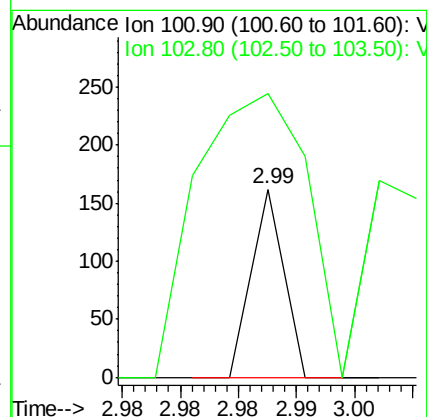
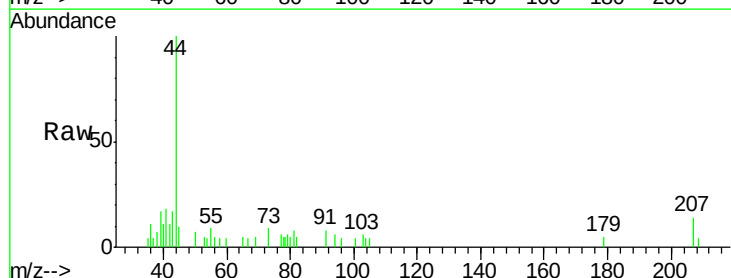
Acq: 9 Sep 2020 10:48

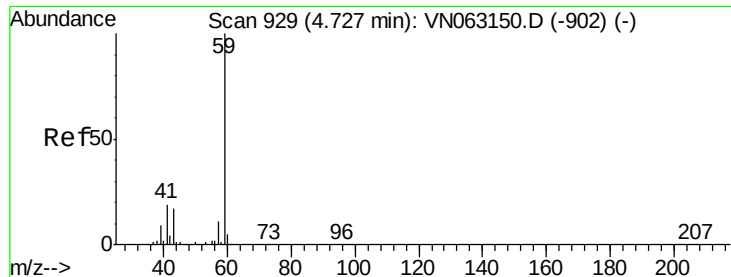
Tgt Ion: 101 Resp: 31

Ion Ratio Lower Upper

101 100

103 150.6 49.7 74.5#

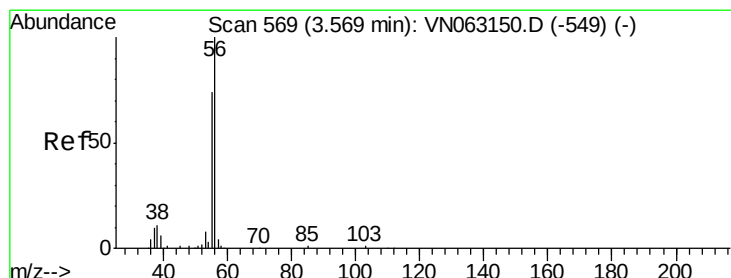
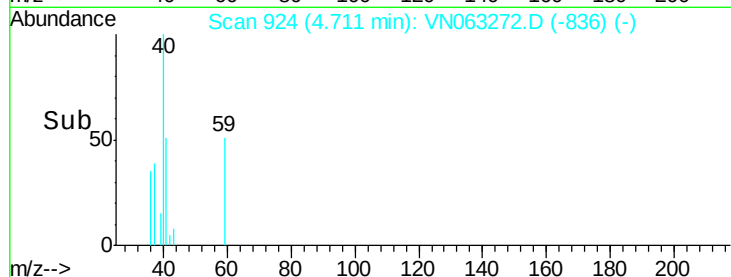
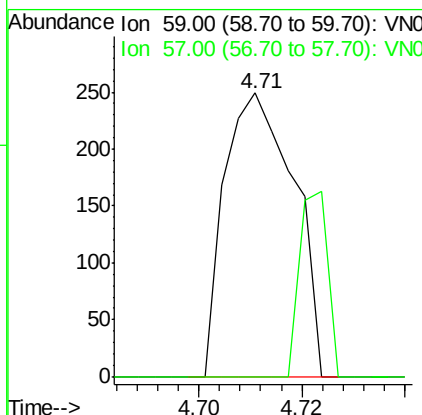
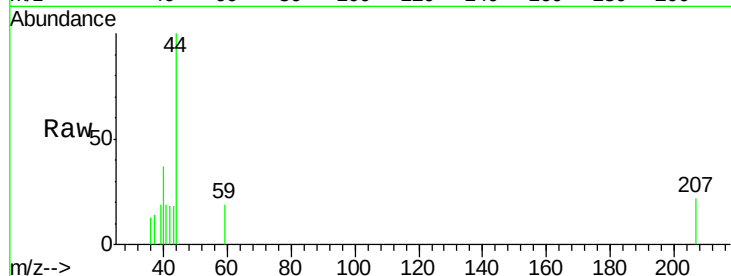




#11
Tert butyl alcohol
Concen: 0.311 ug/l
RT: 4.71 min Scan# 924
Delta R.T. -0.02 min
Lab File: VN063272.D
Acq: 9 Sep 2020 10:48

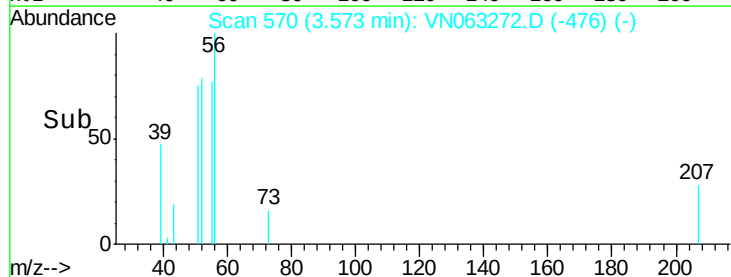
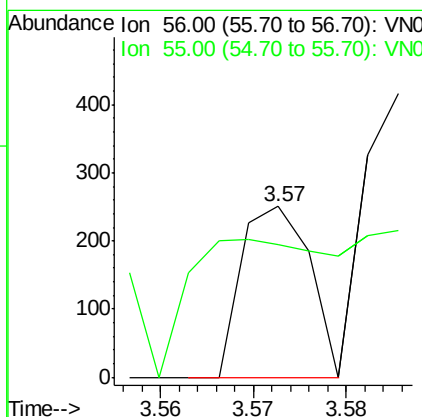
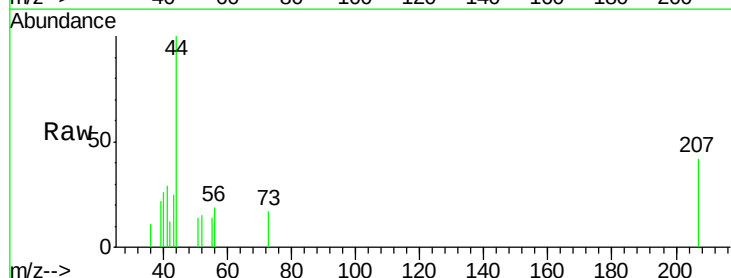
Instrument :
MSVOA_N
ClientSampled :
VN0909MBL01

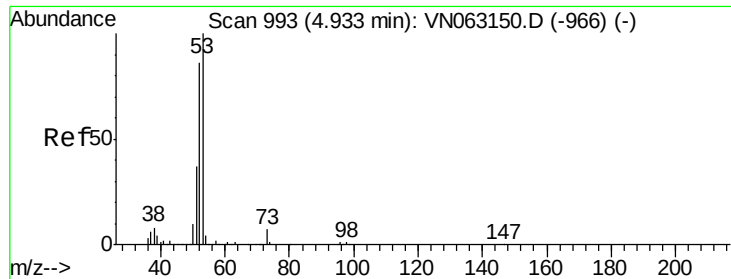
Tgt Ion: 59 Resp: 231
Ion Ratio Lower Upper
59 100
57 26.4 8.4 12.6#



#13
Acrolein
Concen: 16.193 ug/l
RT: 3.57 min Scan# 570
Delta R.T. 0.00 min
Lab File: VN063272.D
Acq: 9 Sep 2020 10:48

Tgt Ion: 56 Resp: 128
Ion Ratio Lower Upper
56 100
55 168.0 55.4 83.0#





#15

Acrylonitrile

Concen: 2.535 ug/l

RT: 4.93 min Scan# 991

Delta R.T. -0.01 min

Lab File: VN063272.D

Acq: 9 Sep 2020 10:48

Instrument :

MSVOA_N

ClientSampled :

VN0909MBL01

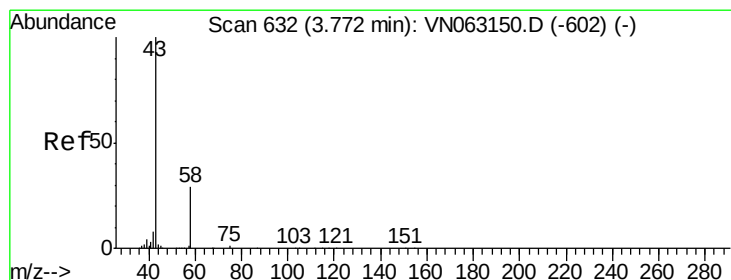
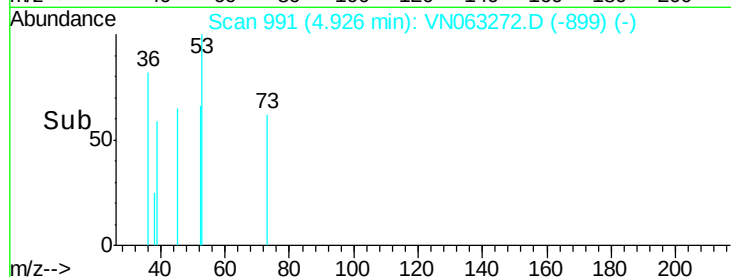
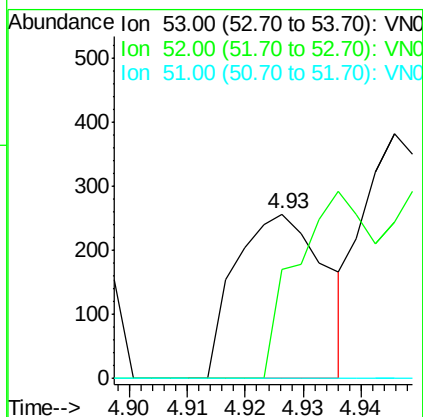
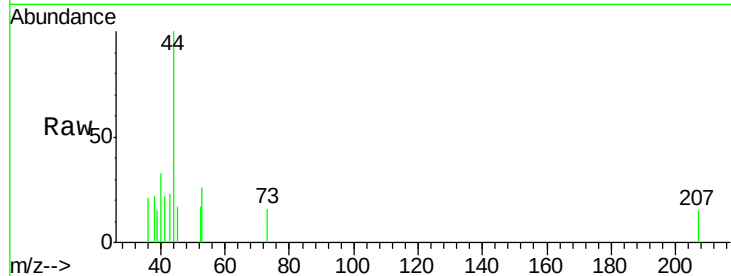
Tgt Ion: 53 Resp: 275

Ion Ratio Lower Upper

53 100

52 94.9 67.2 100.8

51 0.0 30.2 45.4#



#16

Acetone

Concen: 0.220 ug/l

RT: 3.77 min Scan# 631

Delta R.T. -0.00 min

Lab File: VN063272.D

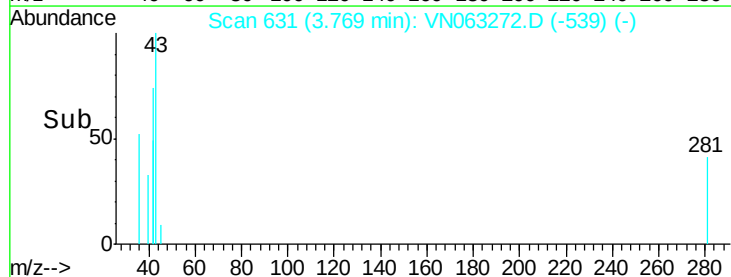
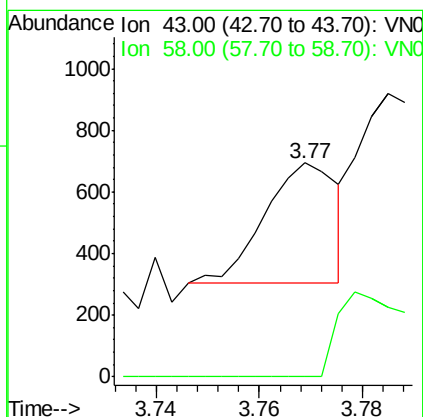
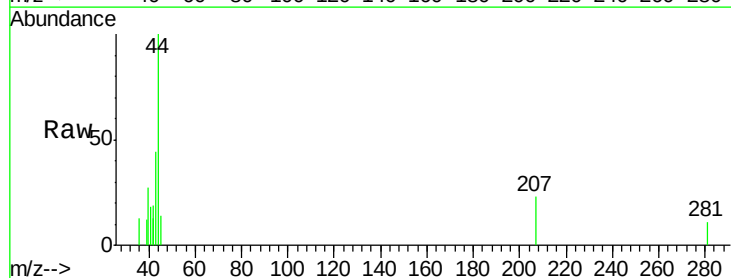
Acq: 9 Sep 2020 10:48

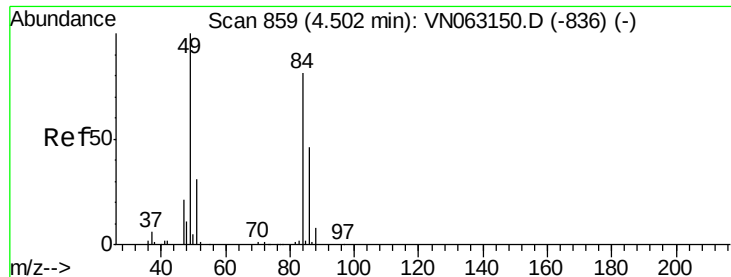
Tgt Ion: 43 Resp: 379

Ion Ratio Lower Upper

43 100

58 0.0 23.1 34.7#





#20

Methylene Chloride

Concen: Below Cal

RT: 4.50 min Scan# 857

Delta R.T. -0.01 min

Lab File: VN063272.D

Acq: 9 Sep 2020 10:48

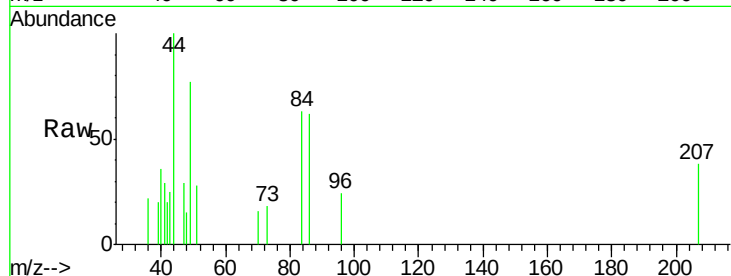
Instrument :

MSVOA_N

ClientSampled :

VN0909MBL01

Tgt Ion:	84	Resp:	1036
Ion	Ratio	Lower	Upper
84	100		
49	122.7	98.4	147.6
51	43.8	30.4	45.6
86	97.5	45.7	68.5#

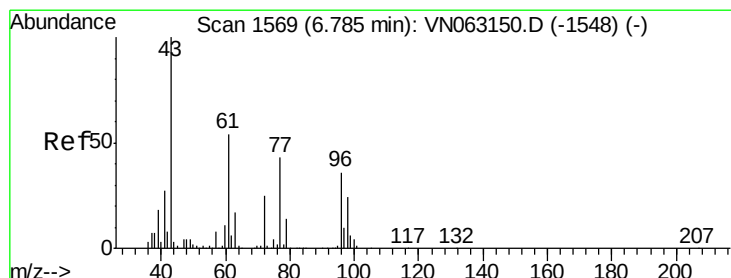
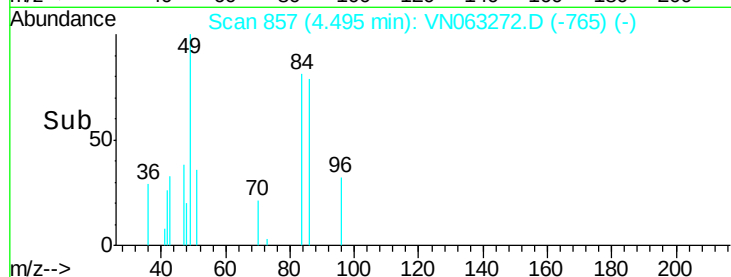
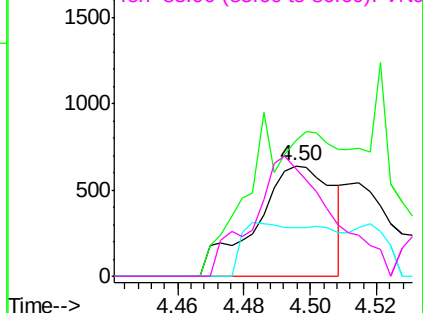


Abundance Ion 83.90 (83.60 to 84.60): VN0

Ion 48.90 (48.60 to 49.60): VN0

Ion 50.90 (50.60 to 51.60): VN0

Ion 85.90 (85.60 to 86.60): VN0



#25

2-Butanone

Concen: 0.474 ug/l

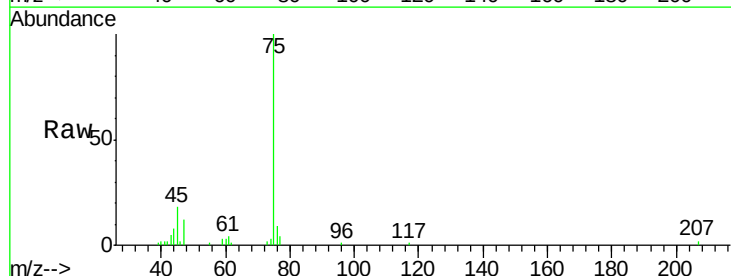
RT: 6.77 min Scan# 1564

Delta R.T. -0.02 min

Lab File: VN063272.D

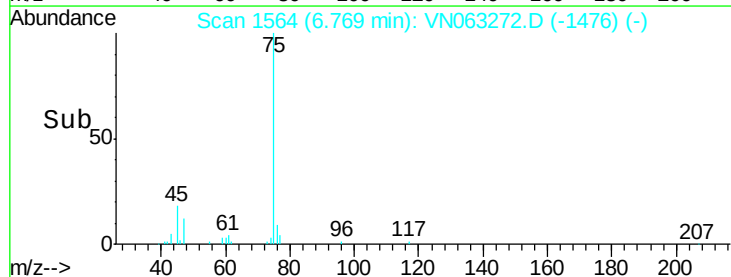
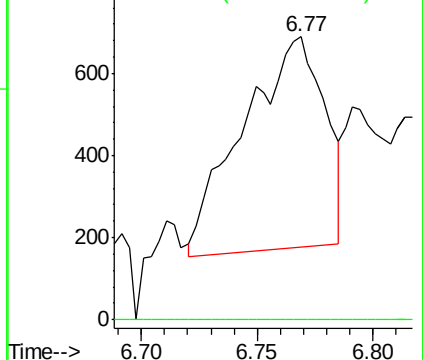
Acq: 9 Sep 2020 10:48

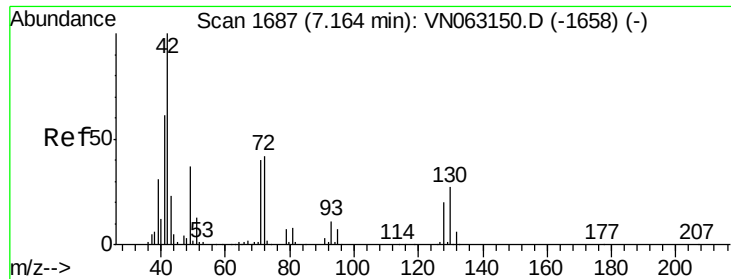
Tgt Ion:	43	Resp:	1261
Ion	Ratio	Lower	Upper
43	100		
72	0.0	20.2	30.4#



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 72.00 (71.70 to 72.70): VN0





#29

Tetrahydrofuran

Concen: 0.212 ug/l

RT: 7.16 min Scan# 1685

Delta R.T. -0.01 min

Lab File: VN063272.D

Acq: 9 Sep 2020 10:48

Instrument :

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ClientSampleId :

VN0909MBL01

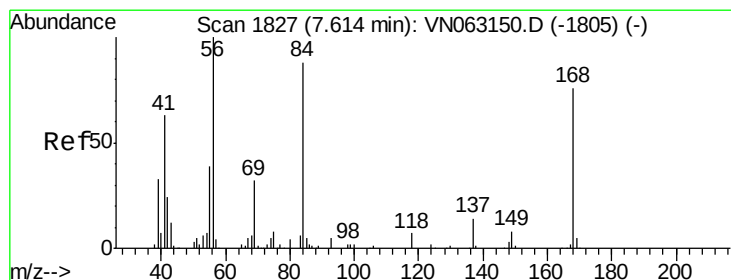
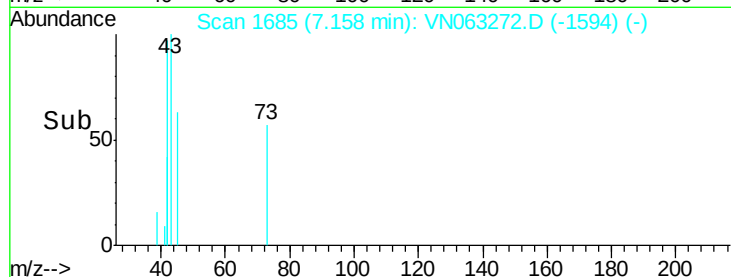
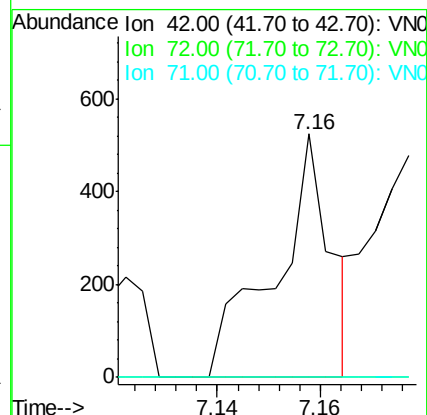
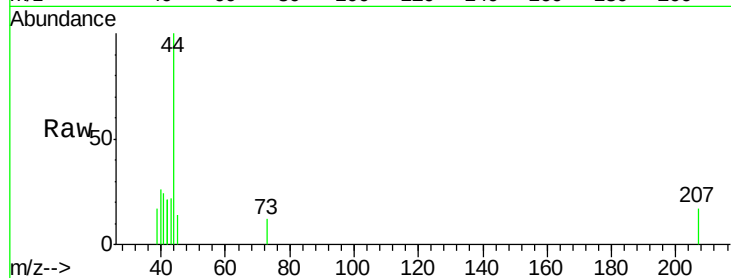
Tgt Ion: 42 Resp: 391

Ion Ratio Lower Upper

42 100

72 0.0 33.9 50.9#

71 0.0 31.9 47.9#



#31

Cyclohexane

Concen: Below Cal

RT: 7.62 min Scan# 1830

Delta R.T. 0.01 min

Lab File: VN063272.D

Acq: 9 Sep 2020 10:48

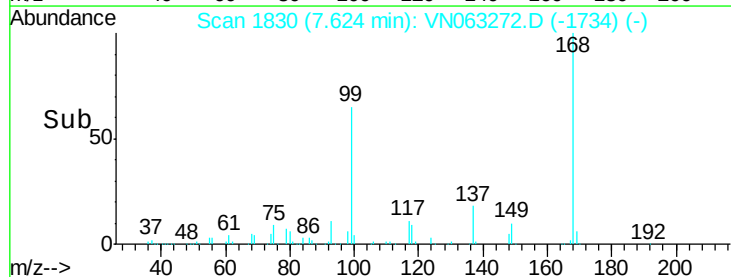
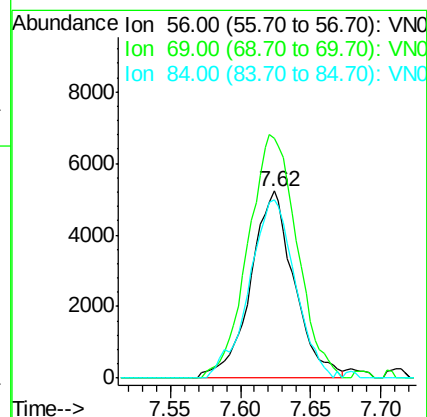
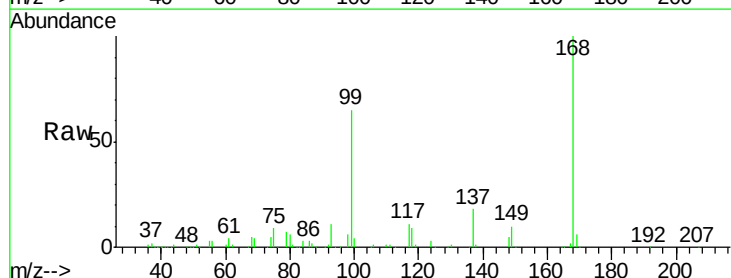
Tgt Ion: 56 Resp: 11333

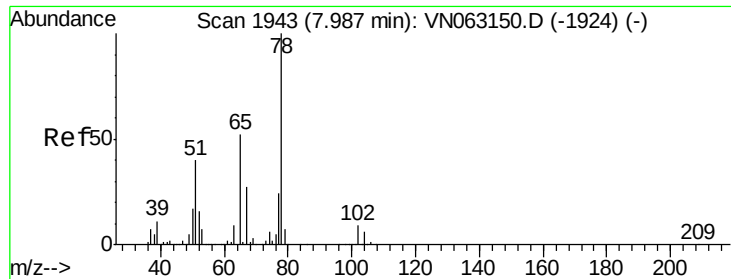
Ion Ratio Lower Upper

56 100

69 128.1 25.4 38.0#

84 95.2 70.2 105.4

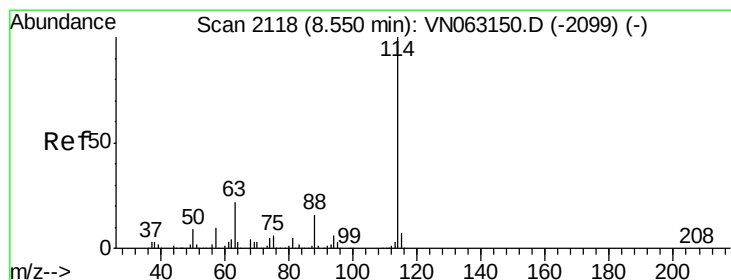
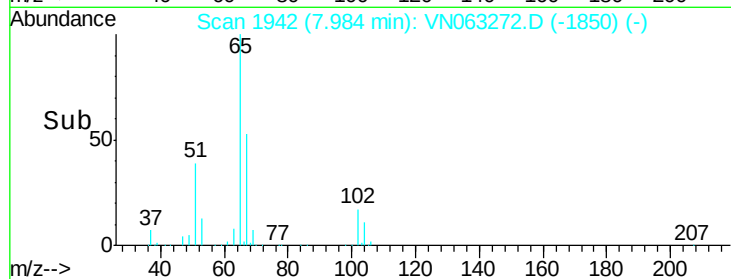
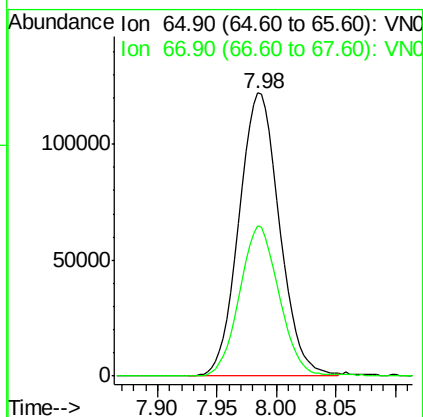
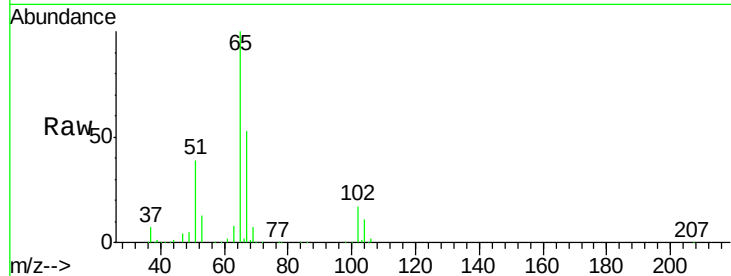




#33
 1,2-Dichloroethane-d4
 Concen: 47.606 ug/l
 RT: 7.98 min Scan# 1942
 Delta R.T. -0.00 min
 Lab File: VN063272.D
 Acq: 9 Sep 2020 10:48

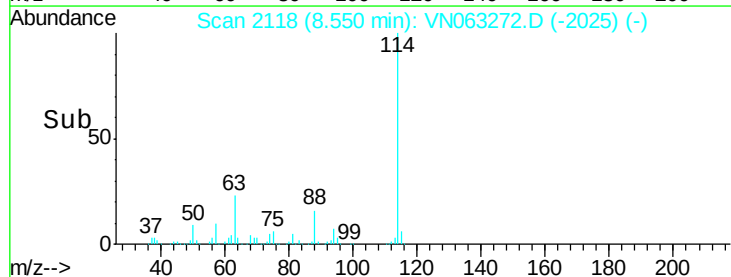
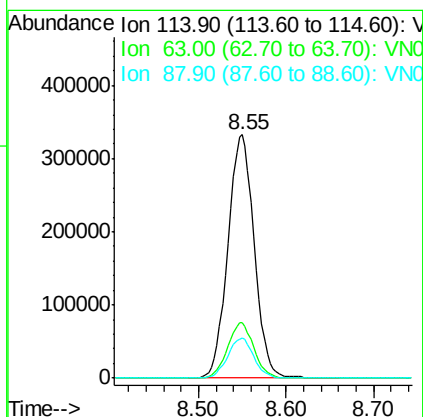
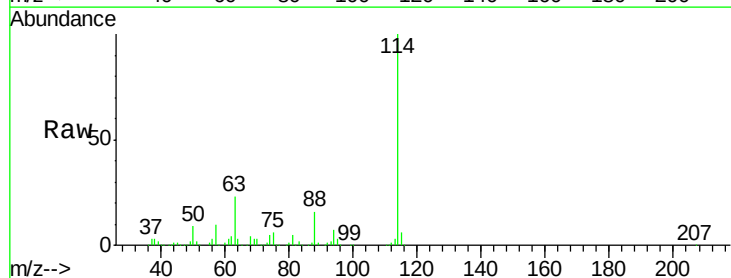
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 VN0909MBL01

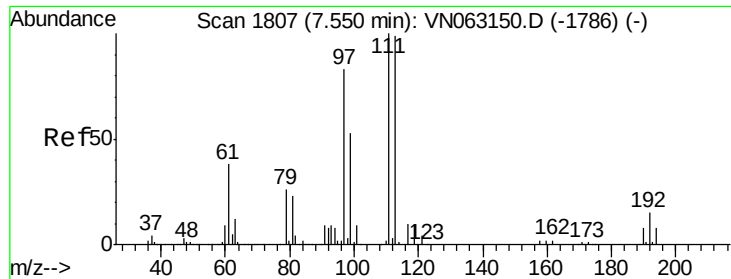
Tgt Ion: 65 Resp: 287959
 Ion Ratio Lower Upper
 65 100
 67 51.7 0.0 104.4



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.55 min Scan# 2118
 Delta R.T. 0.00 min
 Lab File: VN063272.D
 Acq: 9 Sep 2020 10:48

Tgt Ion: 114 Resp: 694882
 Ion Ratio Lower Upper
 114 100
 63 22.7 0.0 43.0
 88 16.3 0.0 31.6

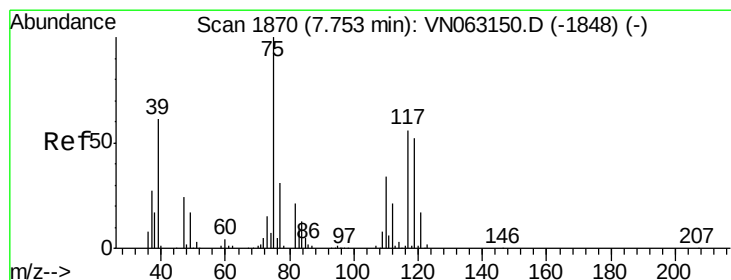
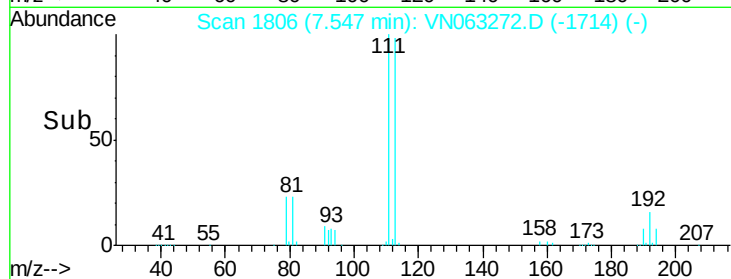
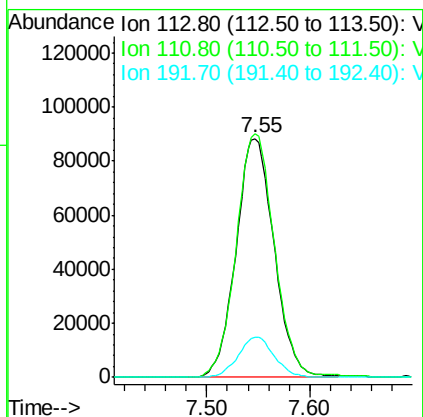
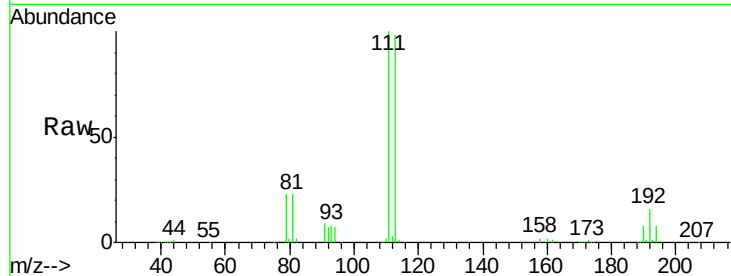




#35
 Dibromofluoromethane
 Concen: 50.872 ug/l
 RT: 7.55 min Scan# 1806
 Delta R.T. -0.00 min
 Lab File: VN063272.D
 Acq: 9 Sep 2020 10:48

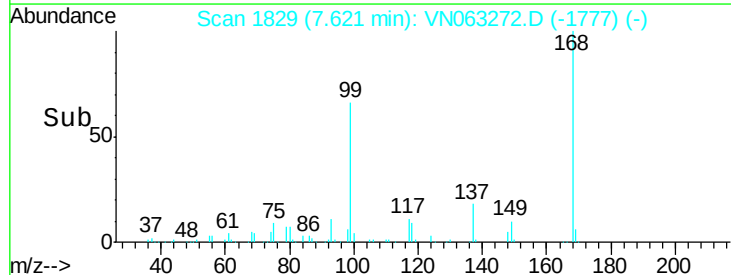
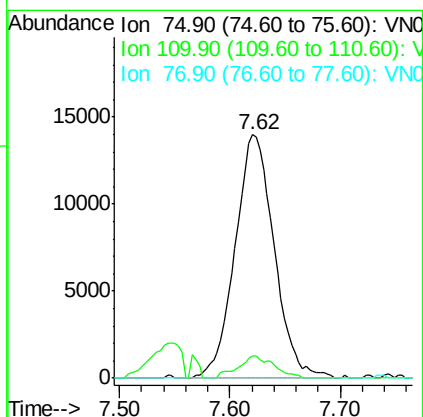
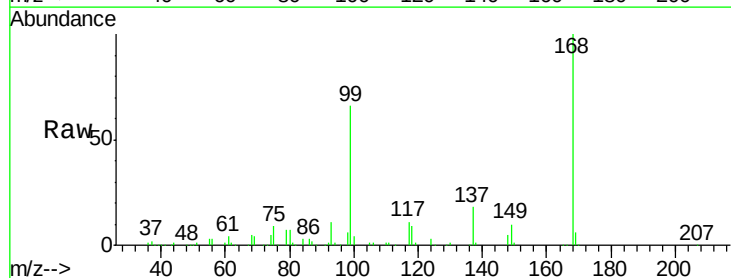
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0909MBL01

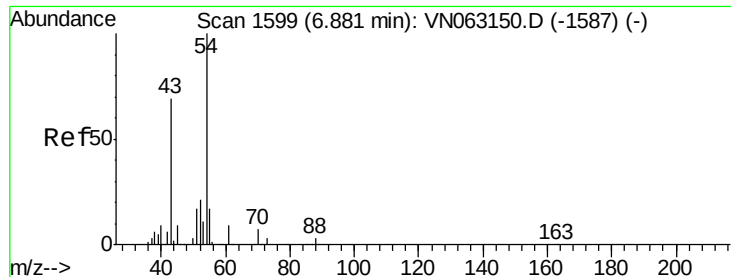
Tgt Ion: 113 Resp: 226788
 Ion Ratio Lower Upper
 113 100
 111 101.9 80.7 121.1
 192 16.0 12.6 19.0



#36
 1,1-Dichloropropene
 Concen: 5.133 ug/l
 RT: 7.62 min Scan# 1829
 Delta R.T. -0.13 min
 Lab File: VN063272.D
 Acq: 9 Sep 2020 10:48

Tgt Ion: 75 Resp: 34291
 Ion Ratio Lower Upper
 75 100
 110 8.3 16.6 49.8#
 77 0.0 25.4 38.2#

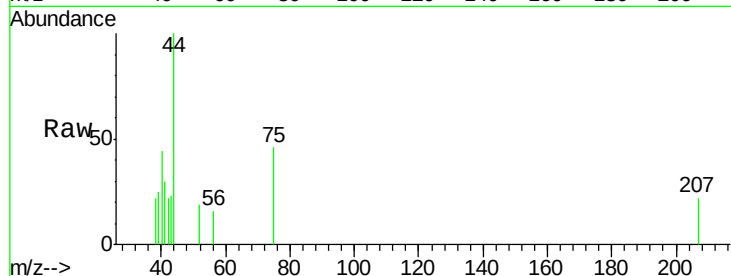




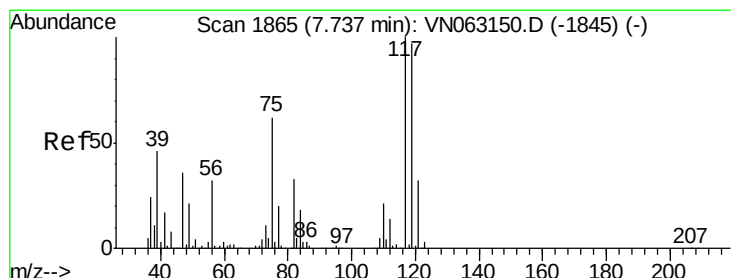
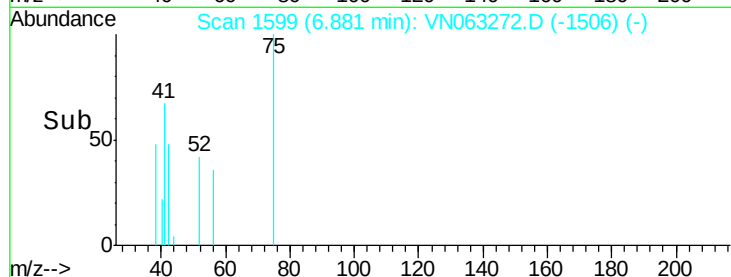
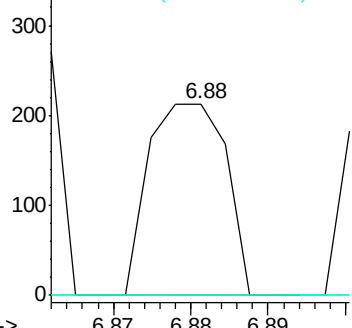
#37
Ethyl Acetate
Concen: 0.404 ug/l
RT: 6.88 min Scan# 1599
Delta R.T. 0.00 min
Lab File: VN063272.D
Acq: 9 Sep 2020 10:48

Instrument :
MSVOA_N
ClientSampleId :
VN0909MBL01

Tgt Ion: 43 Resp: 148
Ion Ratio Lower Upper
43 100
61 0.0 10.2 15.4#
70 0.0 3.0 4.6#

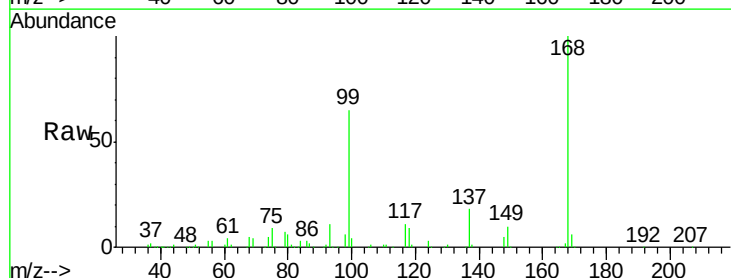


Abundance Ion 43.00 (42.70 to 43.70): VN0
Ion 60.90 (60.60 to 61.60): VN0
Ion 70.00 (69.70 to 70.70): VN0

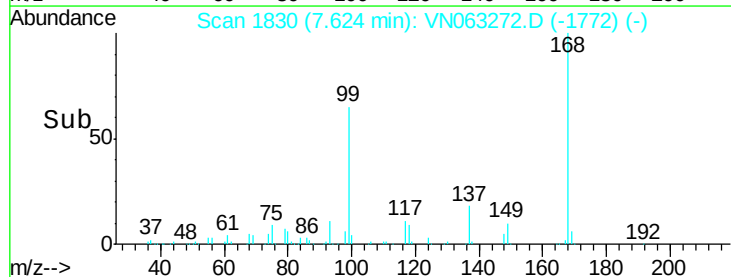
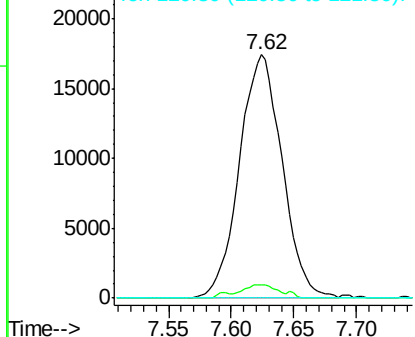


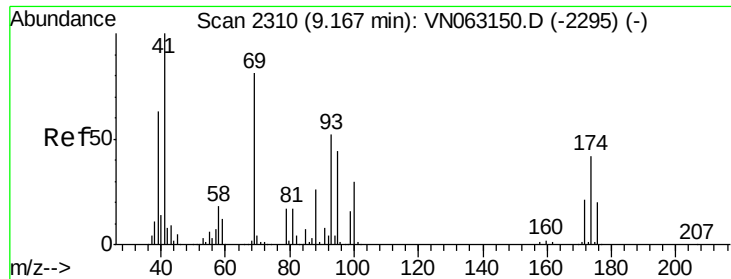
#38
Carbon Tetrachloride
Concen: 6.086 ug/l
RT: 7.62 min Scan# 1830
Delta R.T. -0.11 min
Lab File: VN063272.D
Acq: 9 Sep 2020 10:48

Tgt Ion: 117 Resp: 41229
Ion Ratio Lower Upper
117 100
119 5.2 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: 1.237 ug/l

RT: 9.17 min Scan# 2310

Delta R.T. 0.00 min

Lab File: VN063272.D

Acq: 9 Sep 2020 10:48

Instrument :

MSVOA_N

ClientSampled :

VN0909MBL01

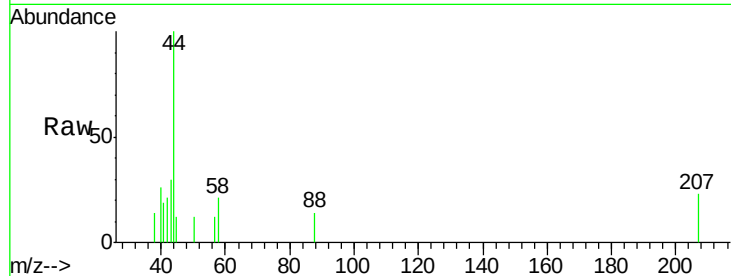
Tgt Ion: 88 Resp: 94

Ion Ratio Lower Upper

88 100

43 539.4 28.6 42.8#

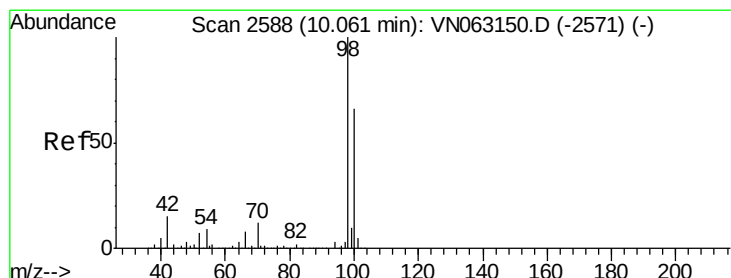
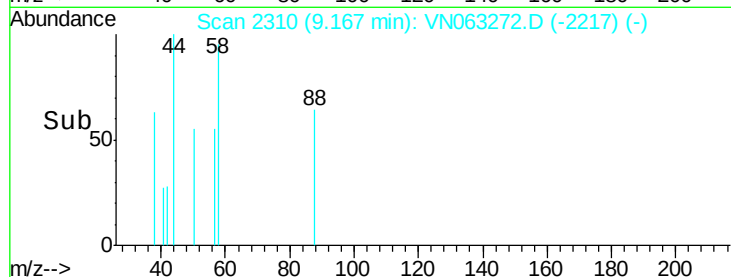
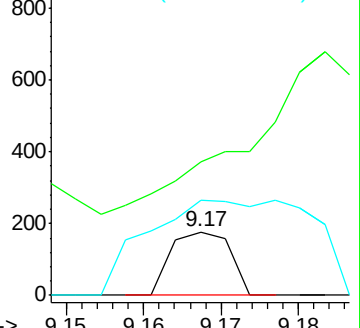
58 416.0 53.2 79.8#



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: 51.642 ug/l

RT: 10.06 min Scan# 2587

Delta R.T. -0.00 min

Lab File: VN063272.D

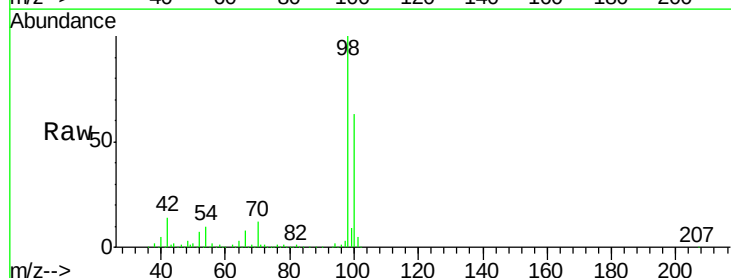
Acq: 9 Sep 2020 10:48

Tgt Ion: 98 Resp: 886130

Ion Ratio Lower Upper

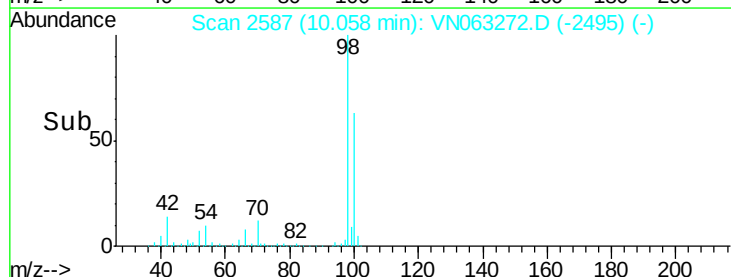
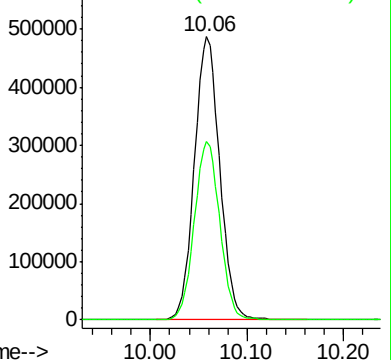
98 100

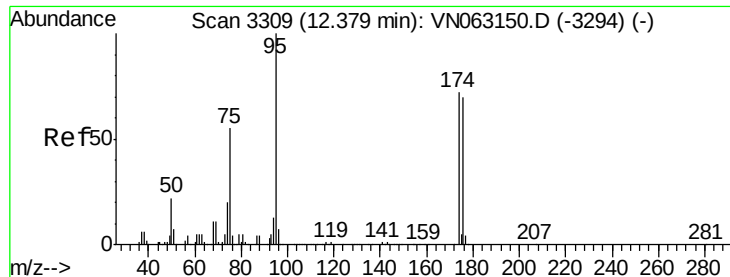
100 63.2 52.0 78.0



Abundance Ion 98.00 (97.70 to 98.70): VN0

Ion 100.00 (99.70 to 100.70): VN0





#62

4-Bromofluorobenzene

Concen: 53.284 ug/l

RT: 12.38 min Scan# 3308

Delta R.T. -0.00 min

Lab File: VN063272.D

Acq: 9 Sep 2020 10:48

Instrument :

MSVOA_N

ClientSampled :

VN0909MBL01

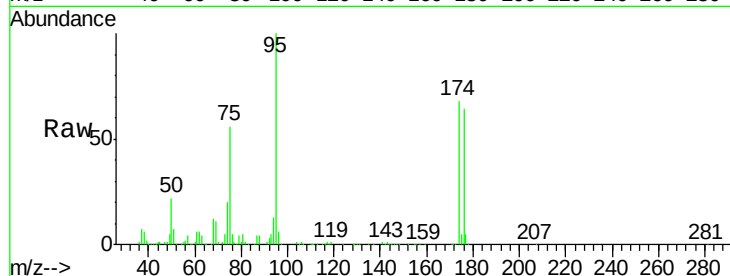
Tgt Ion: 95 Resp: 319824

Ion Ratio Lower Upper

95 100

174 69.2 0.0 143.8

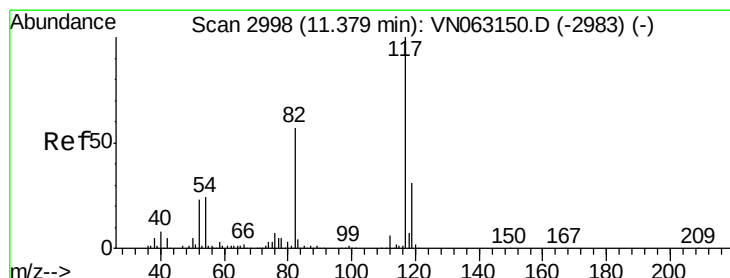
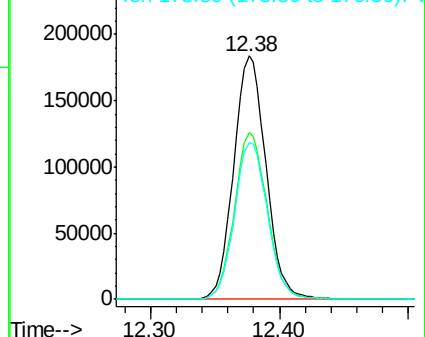
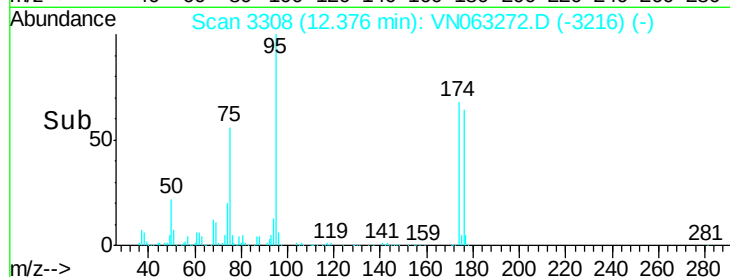
176 66.0 0.0 138.4



Abundance Ion 94.90 (94.60 to 95.60): VN063272.D (-3216) (-)

Ion 173.80 (173.50 to 174.50): VN063272.D (-3216) (-)

Ion 175.80 (175.50 to 176.50): VN063272.D (-3216) (-)



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.38 min Scan# 2998

Delta R.T. 0.00 min

Lab File: VN063272.D

Acq: 9 Sep 2020 10:48

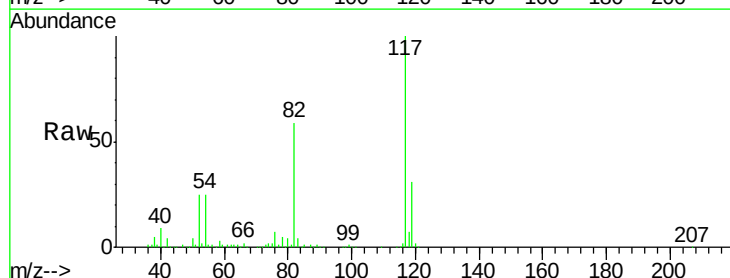
Tgt Ion: 117 Resp: 652795

Ion Ratio Lower Upper

117 100

82 59.2 45.4 68.0

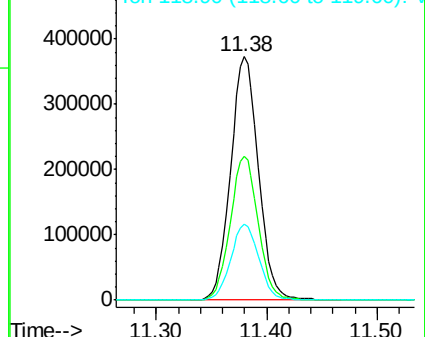
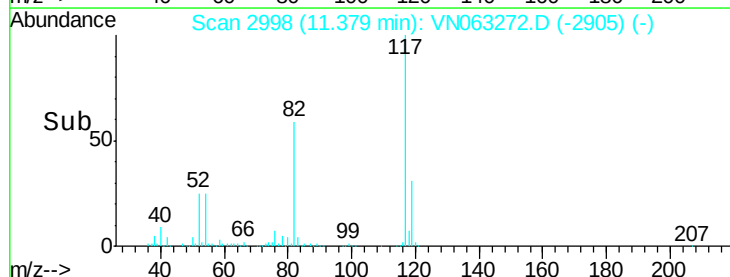
119 31.1 24.6 37.0

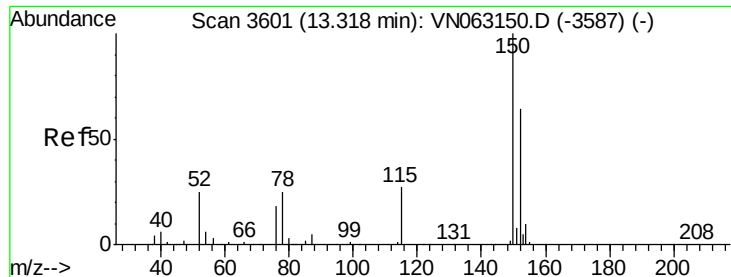


Abundance Ion 116.90 (116.60 to 117.60): VN063272.D (-2905) (-)

Ion 82.00 (81.70 to 82.70): VN063272.D (-2905) (-)

Ion 118.90 (118.60 to 119.60): VN063272.D (-2905) (-)





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.32 min Scan# 3601

Delta R.T. 0.00 min

Lab File: VN063272.D

Acq: 9 Sep 2020 10:48

Instrument :

MSVOA_N

ClientSampleId :

VN0909MBL01

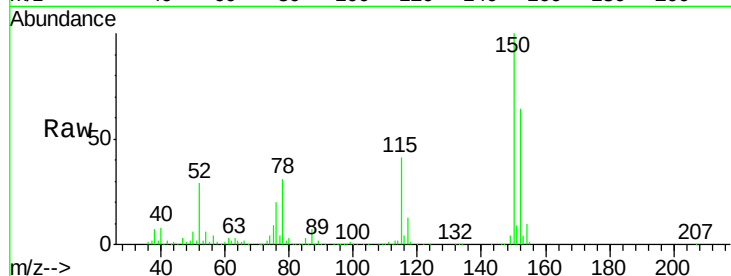
Tgt Ion:152 Resp: 253895

Ion Ratio Lower Upper

152 100

115 65.7 32.0 96.2

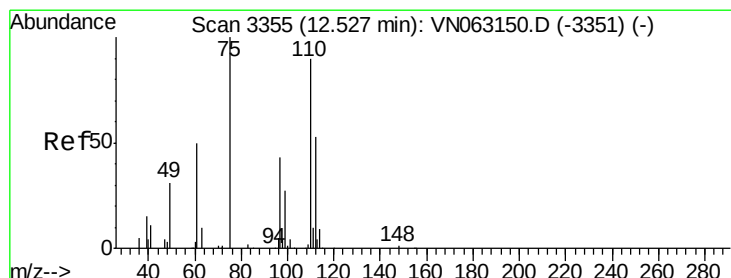
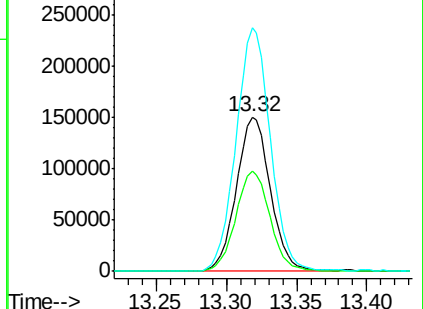
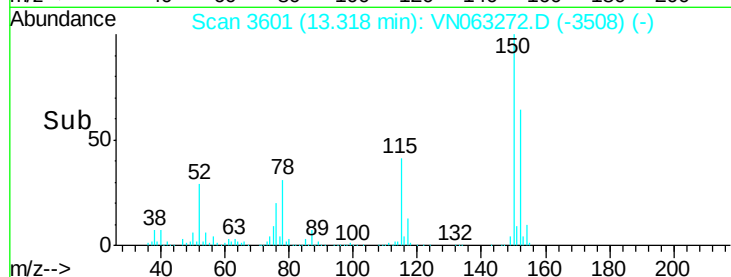
150 159.5 0.0 353.0



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: 36.177 ug/l

RT: 12.38 min Scan# 3308

Delta R.T. -0.15 min

Lab File: VN063272.D

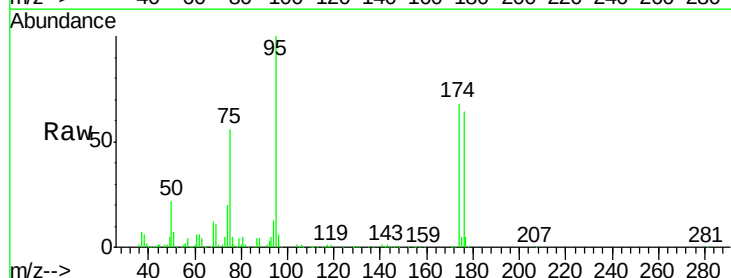
Acq: 9 Sep 2020 10:48

Tgt Ion: 75 Resp: 180467

Ion Ratio Lower Upper

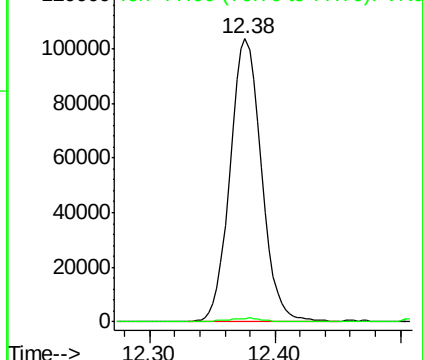
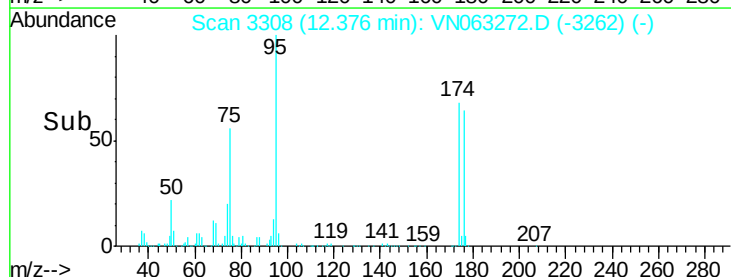
75 100

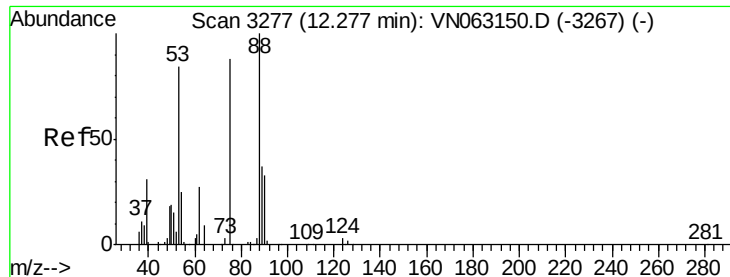
77 1.4 0.0 0.0#



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: 87.438 ug/l

RT: 12.38 min Scan# 3308

Delta R.T. 0.10 min

Lab File: VN063272.D

Acq: 9 Sep 2020 10:48

Instrument :

MSVOA_N

ClientSampled :

VN0909MBL01

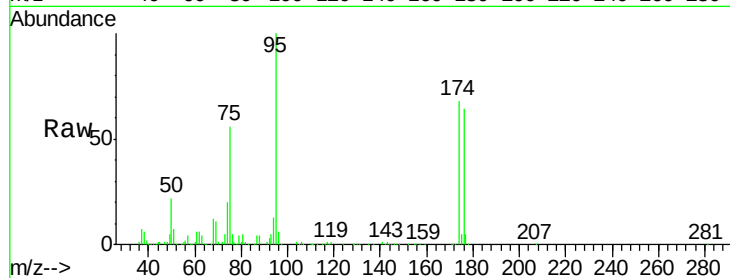
Tgt Ion: 75 Resp: 180467

Ion Ratio Lower Upper

75 100

53 0.0 78.7 118.1#

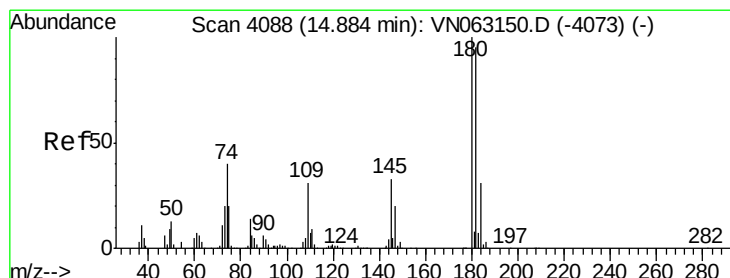
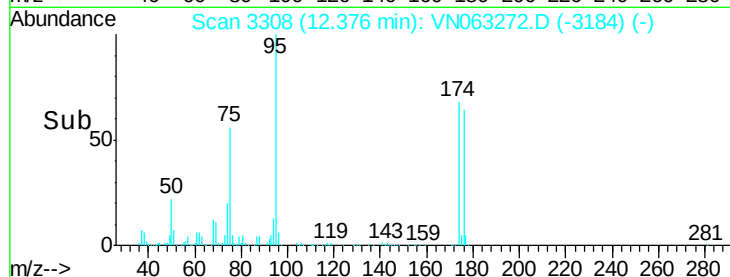
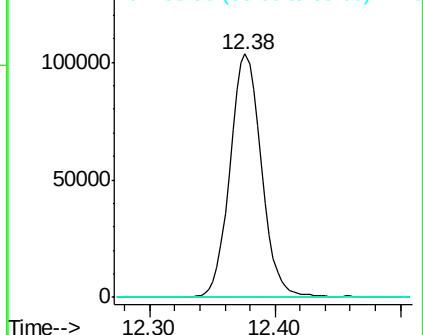
89 0.0 35.3 52.9#



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 53.00 (52.70 to 53.70): VN0

Ion 88.90 (88.60 to 89.60): VN0



#93

1,2,4-Trichlorobenzene

Concen: 0.239 ug/l

RT: 14.89 min Scan# 4089

Delta R.T. 0.00 min

Lab File: VN063272.D

Acq: 9 Sep 2020 10:48

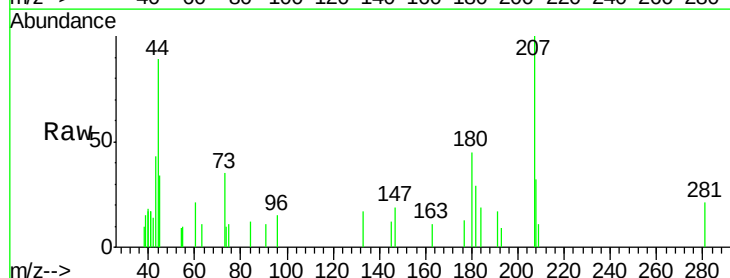
Tgt Ion: 180 Resp: 1050

Ion Ratio Lower Upper

180 100

182 61.7 47.5 142.5

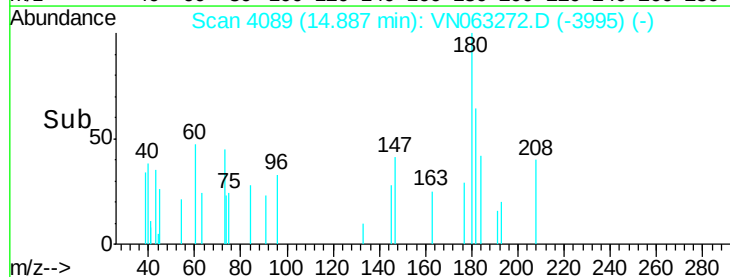
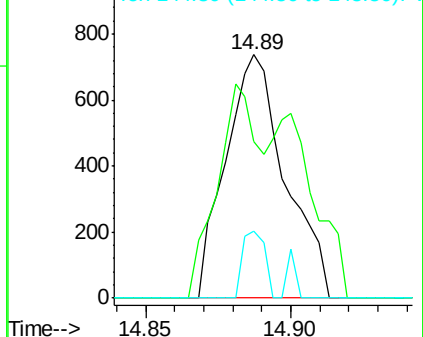
145 10.2 16.6 49.8#

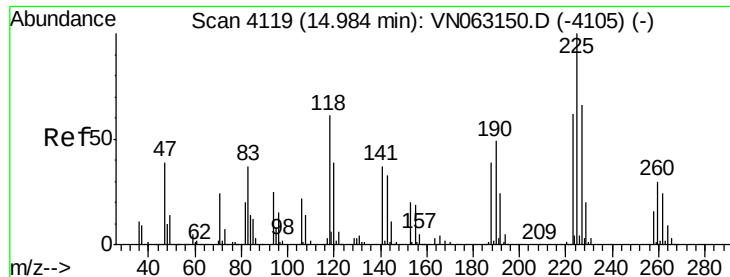


Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.80 (144.50 to 145.50): V





#94

Hexachlorobutadiene

Concen: 0.376 ug/l

RT: 14.98 min Scan# 4119

Delta R.T. 0.00 min

Lab File: VN063272.D

Acq: 9 Sep 2020 10:48

Instrument :

MSVOA_N

ClientSampled :

VN0909MBL01

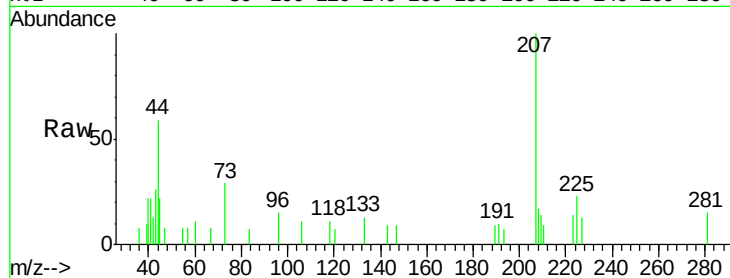
Tgt Ion:225 Resp: 616

Ion Ratio Lower Upper

225 100

223 51.3 30.9 92.7

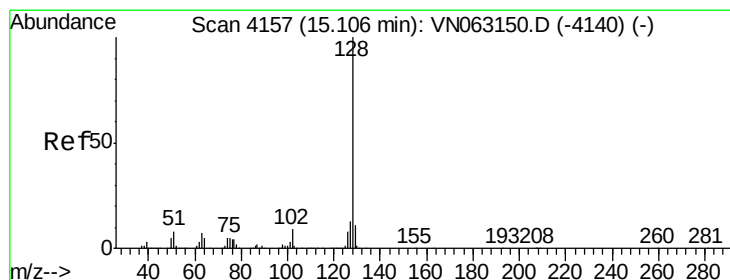
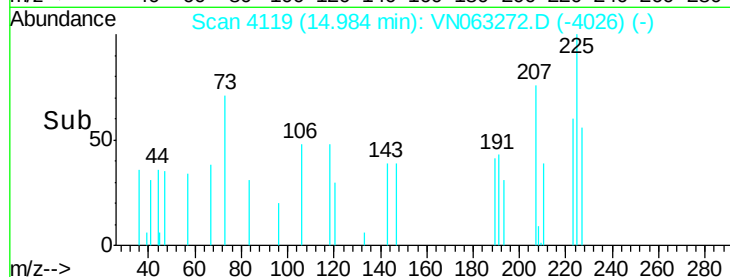
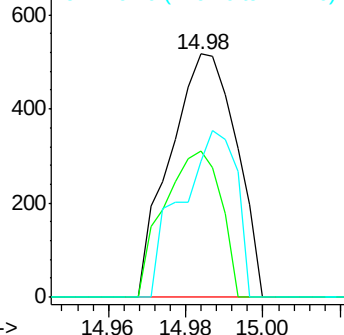
227 57.5 32.9 98.7



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: 0.471 ug/l

RT: 15.11 min Scan# 4159

Delta R.T. 0.01 min

Lab File: VN063272.D

Acq: 9 Sep 2020 10:48

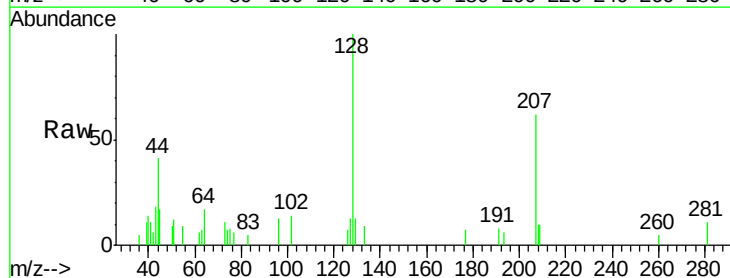
Tgt Ion:128 Resp: 6900

Ion Ratio Lower Upper

128 100

127 13.3 10.5 15.7

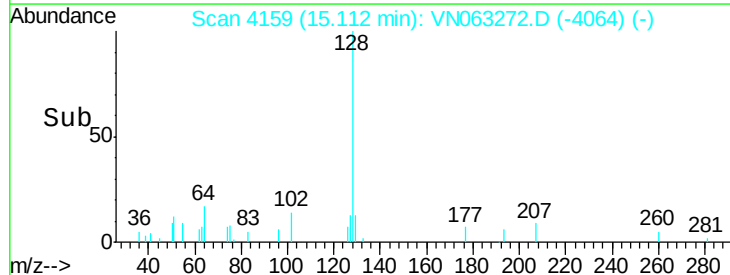
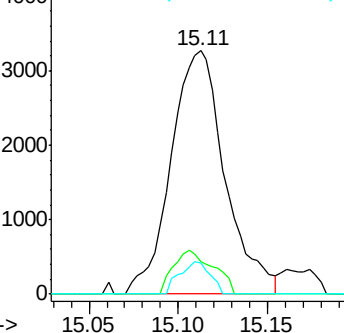
129 7.5 8.6 13.0#

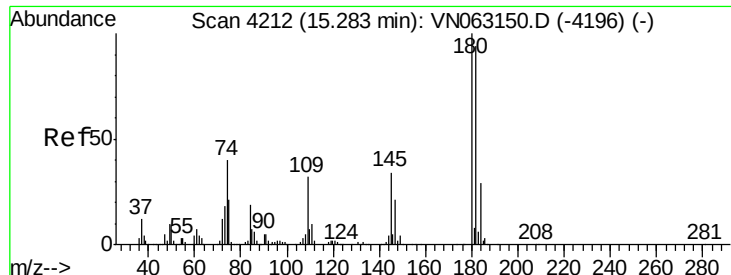


Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V

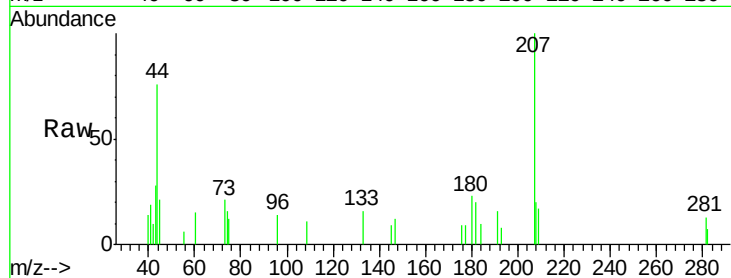




#96
 1,2,3-Trichlorobenzene
 Concen: 0.268 ug/l
 RT: 15.28 min Scan# 4210
 Delta R.T. -0.01 min
 Lab File: VN063272.D
 Acq: 9 Sep 2020 10:48

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0909MBL01

Tgt Ion:180 Resp: 1144
 Ion Ratio Lower Upper
 180 100
 182 98.7 47.5 142.5
 145 48.3 17.3 52.0



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

