

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN090420\
 Data File : VN063235.D
 Acq On : 4 Sep 2020 9:59
 Operator : JC/MD
 Sample : VN0904MBL01
 Misc : 5.00g/10mL/100uL/5.00mL/MSVOA_N/MEOH
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0904MBL01

Quant Time: Sep 05 07:27:14 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	298745	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.55	114	581894	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	565306	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	215553	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	7.98	65	235179	48.16	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.32%	
35) Dibromofluoromethane	7.54	113	184987	49.55	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.10%	
50) Toluene-d8	10.06	98	726788	50.58	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.16%	
62) 4-Bromofluorobenzene	12.38	95	249635	49.67	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.34%	

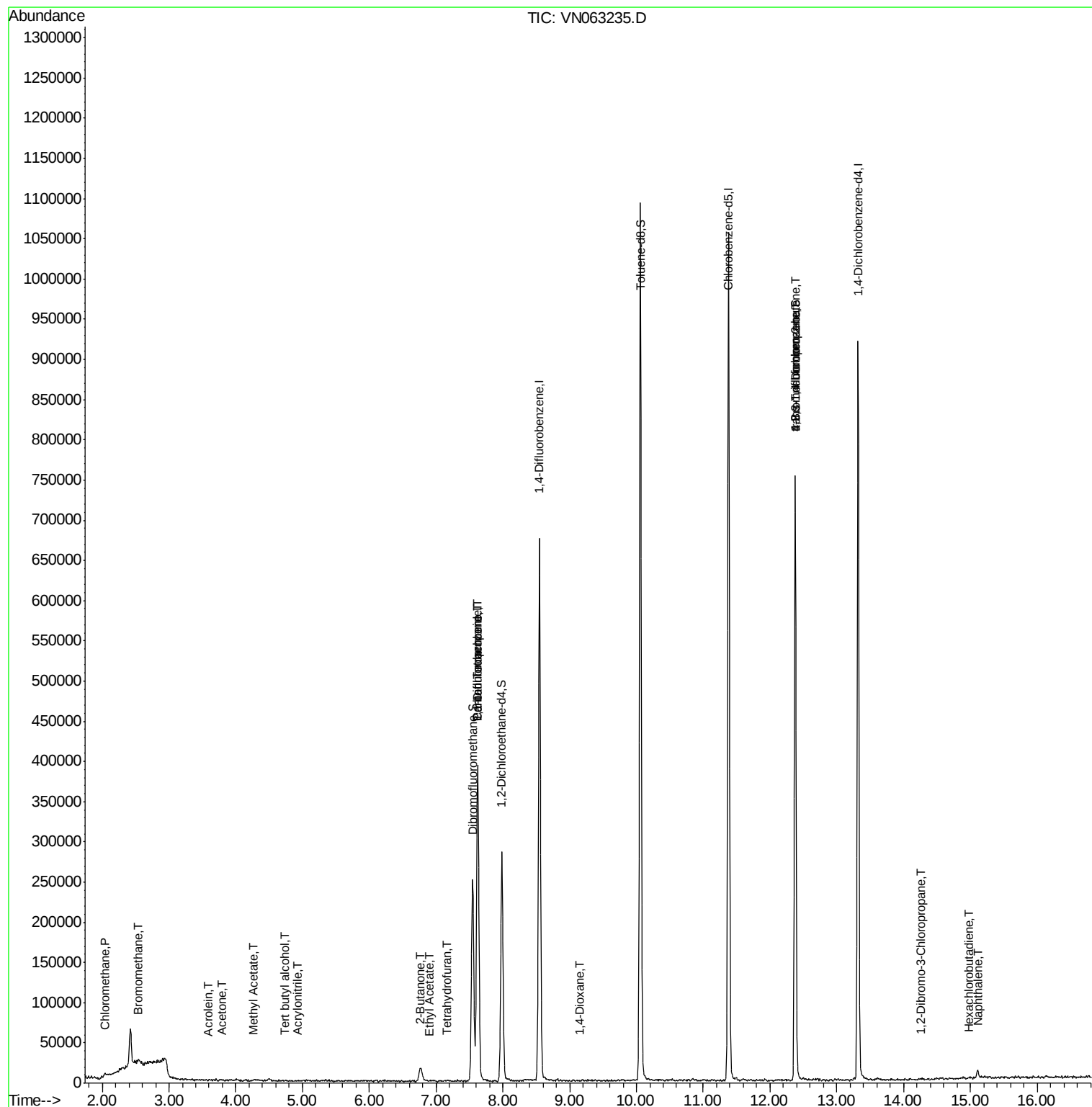
Target Compounds					Qvalue	
3) Chloromethane	2.03	50	1568	0.366	ug/l #	85
5) Bromomethane	2.55	94	2019	0.507	ug/l #	34
7) Trichlorofluoromethane	2.99	101	257	Below Cal	#	19
11) Tert butyl alcohol	4.74	59	165	0.275	ug/l #	72
13) Acrolein	3.58	56	30	15.892	ug/l #	1
15) Acrylonitrile	4.92	53	278	2.568	ug/l #	72
16) Acetone	3.79	43	1550	1.116	ug/l	98
18) Methyl Acetate	4.26	43	786	0.221	ug/l #	52
20) Methylene Chloride	4.50	84	616	Below Cal	#	36
25) 2-Butanone	6.77	43	1120	0.521	ug/l #	50
29) Tetrahydrofuran	7.17	42	558	0.375	ug/l #	90
31) Cyclohexane	7.62	56	9275	Below Cal	#	53
36) 1,1-Dichloropropene	7.63	75	27984	5.002	ug/l #	51
37) Ethyl Acetate	6.89	43	172	0.413	ug/l #	72
38) Carbon Tetrachloride	7.62	117	33574	5.918	ug/l #	15
49) 1,4-Dioxane	9.16	88	65	1.022	ug/l #	1
76) 1,2,3-Trichloropropane	12.38	75	142792	33.716	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.38	75	142792	81.491	ug/l #	10
92) 1,2-Dibromo-3-Chloropropan	14.26	75	274	0.261	ug/l #	13
94) Hexachlorobutadiene	14.98	225	312	0.224	ug/l #	37
95) Naphthalene	15.11	128	8828	0.711	ug/l	100

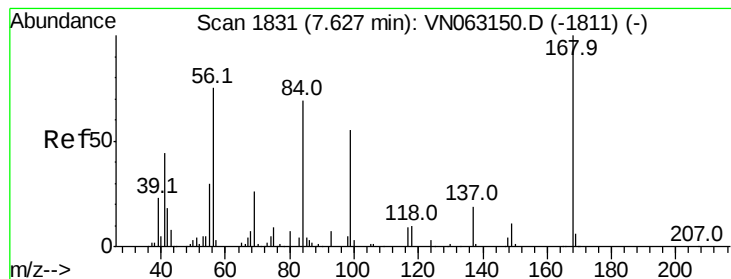
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA N\DATA\VN090420\
Data File : VN063235.D
Acq On : 4 Sep 2020 9:59
Operator : JC/MD
Sample : VN0904MBL01
Misc : 5.00µL/10mL/100uL/5.00mL/MSVOA_N/MEOH
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VN0904MBL01

Quant Time: Sep 05 07:27:14 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: VN063235.D

Acq: 4 Sep 2020 9:59

Instrument :

MSVOA_N

ClientSampleId :

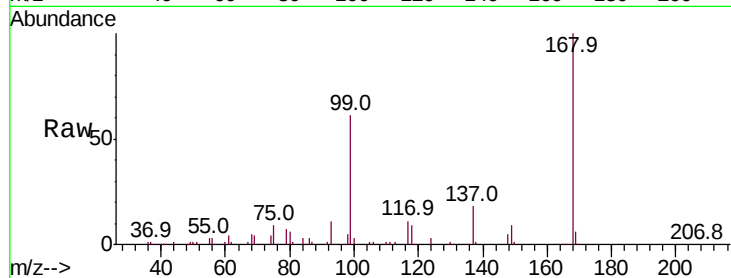
VN0904MBL01

Tot Ion:168 Resp: 298745

Ion Ratio Lower Upper

168 100

99 61.3 54.2 81.2



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN

7.62

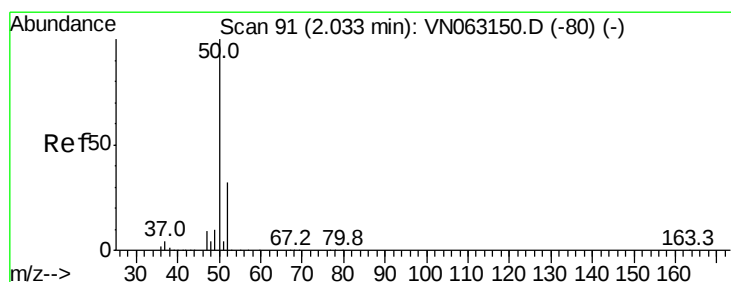
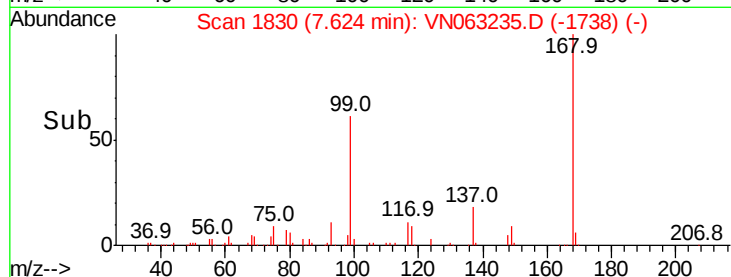
150000

100000

50000

0

Time--> 7.50 7.60 7.70



#3

Chloromethane

Concen: 0.366 ug/l

RT: 2.03 min Scan# 91

Delta R.T. 0.00 min

Lab File: VN063235.D

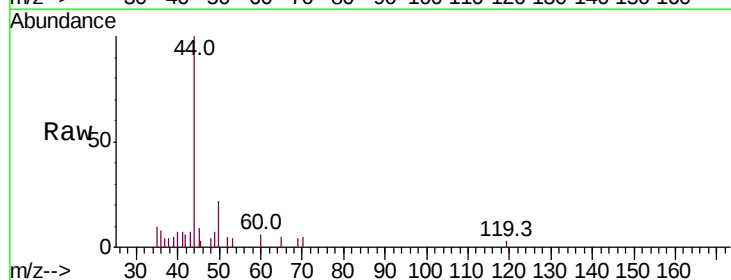
Acq: 4 Sep 2020 9:59

Tgt Ion: 50 Resp: 1568

Ion Ratio Lower Upper

50 100

52 23.7 25.8 38.6#



Abundance Ion 49.90 (49.60 to 50.60): VN

Ion 51.90 (51.60 to 52.60): VN

2.03

1200

1000

800

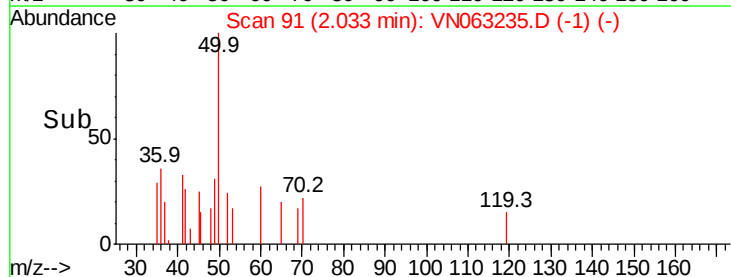
600

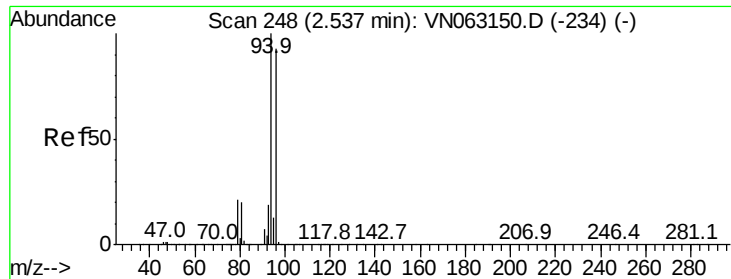
400

200

0

Time--> 2.00 2.02 2.04 2.06





#5

Bromomethane

Concen: 0.507 ug/l

RT: 2.55 min Scan# 252

Delta R.T. 0.01 min

Lab File: VN063235.D

Acq: 4 Sep 2020 9:59

Instrument :

MSVOA_N

ClientSampleId :

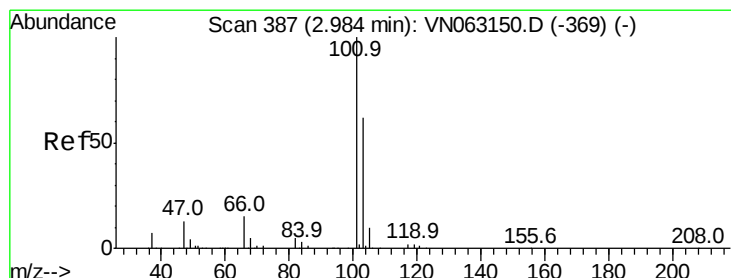
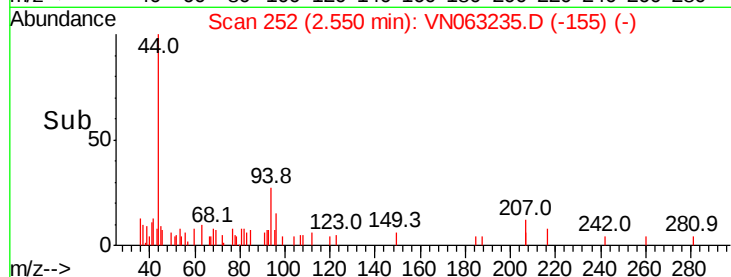
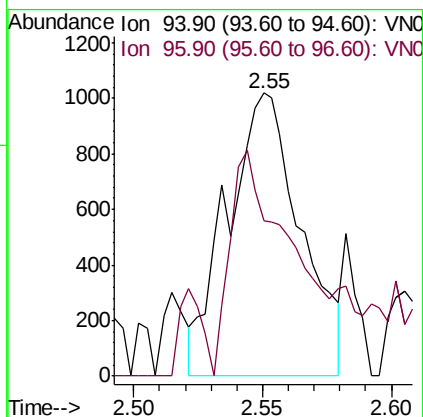
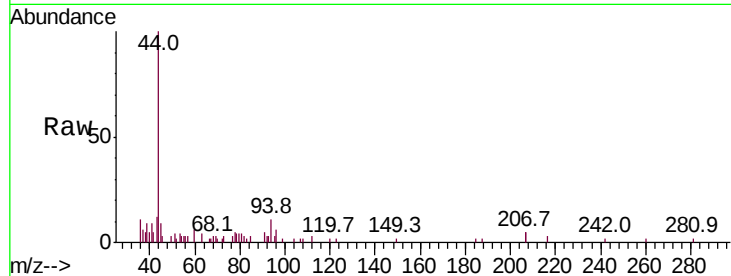
VN0904MBL01

Tot Ion: 94 Resp: 2019

Ion Ratio Lower Upper

94 100

96 29.3 74.4 111.6#



#7

Trichlorofluoromethane

Concen: Below Cal

RT: 2.99 min Scan# 389

Delta R.T. 0.01 min

Lab File: VN063235.D

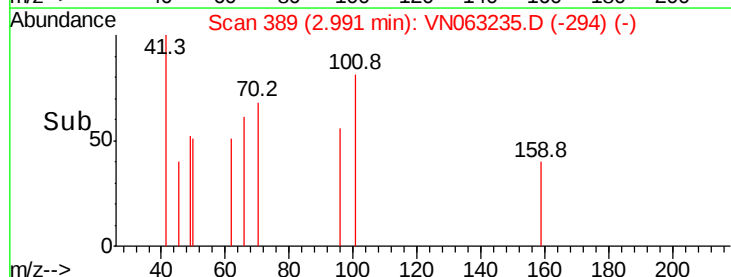
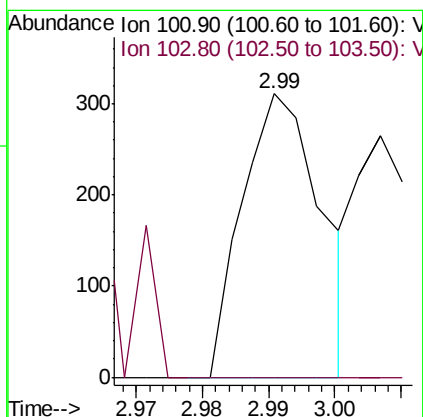
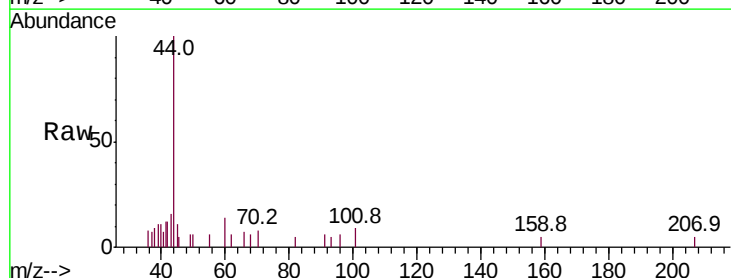
Acq: 4 Sep 2020 9:59

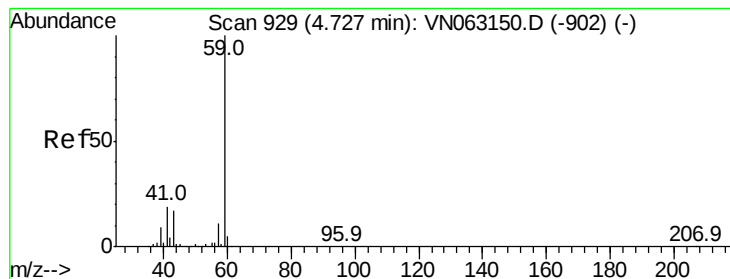
Tgt Ion: 101 Resp: 257

Ion Ratio Lower Upper

101 100

103 0.0 49.7 74.5#





#11

Tert butyl alcohol

Concen: 0.275 ug/l

RT: 4.74 min Scan# 934

Delta R.T. 0.02 min

Lab File: VN063235.D

Acq: 4 Sep 2020 9:59

Instrument :

MSVOA_N

ClientSampled :

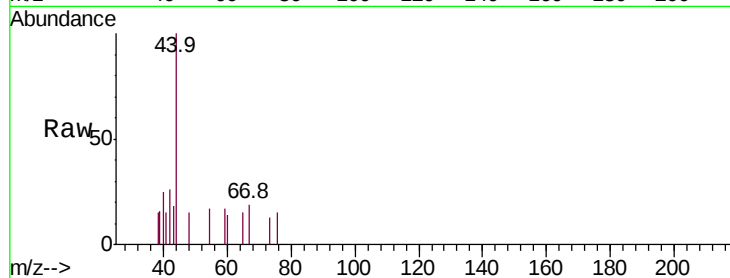
VN0904MBL01

Tot Ion: 59 Resp: 165

Ion Ratio Lower Upper

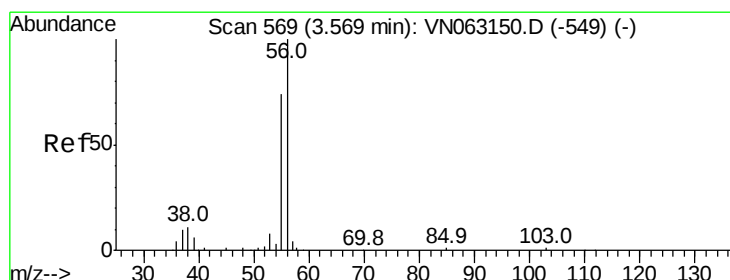
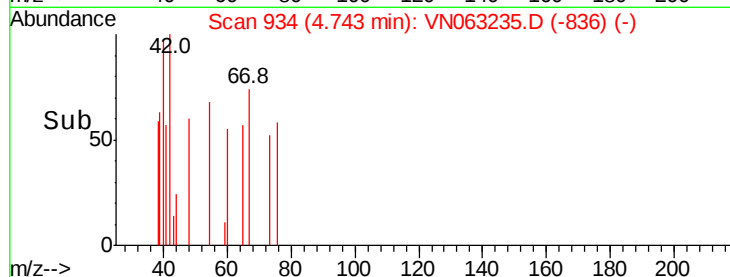
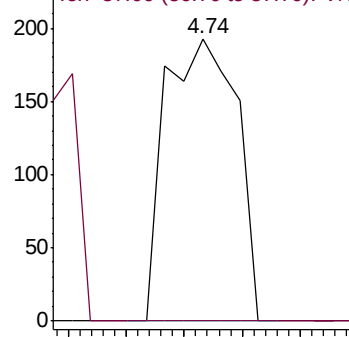
59 100

57 0.0 8.4 12.6#



Abundance Ion 59.00 (58.70 to 59.70): VN0

Ion 57.00 (56.70 to 57.70): VN0



#13

Acrolein

Concen: 15.892 ug/l

RT: 3.58 min Scan# 573

Delta R.T. 0.01 min

Lab File: VN063235.D

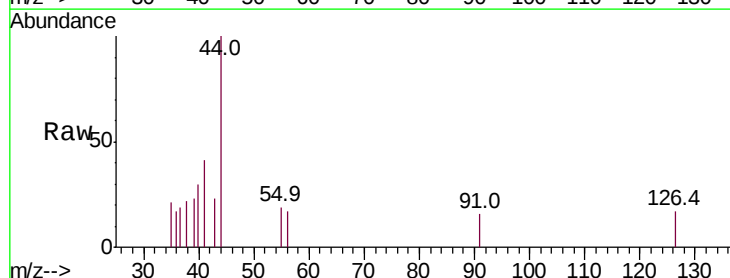
Acq: 4 Sep 2020 9:59

Tgt Ion: 56 Resp: 30

Ion Ratio Lower Upper

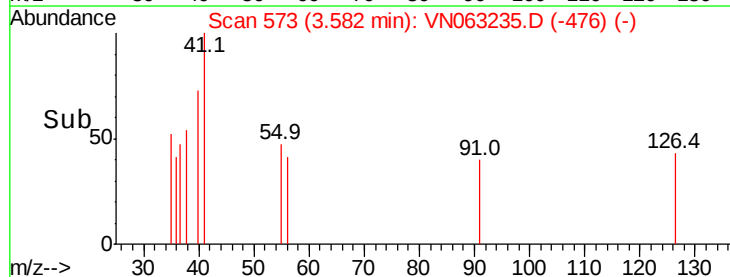
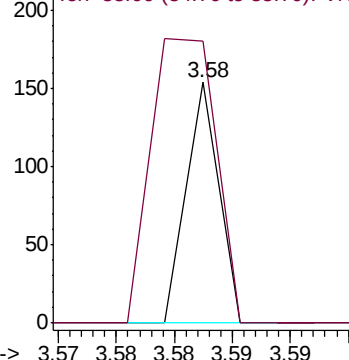
56 100

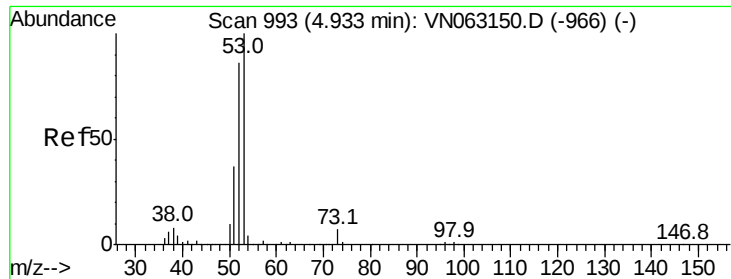
55 233.3 55.4 83.0#



Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 55.00 (54.70 to 55.70): VN0





#15

Acrylonitrile

Concen: 2.568 ug/l

RT: 4.92 min Scan# 989

Delta R.T. -0.01 min

Lab File: VN063235.D

Acq: 4 Sep 2020 9:59

Instrument :

MSVOA_N

ClientSampled :

VN0904MBL01

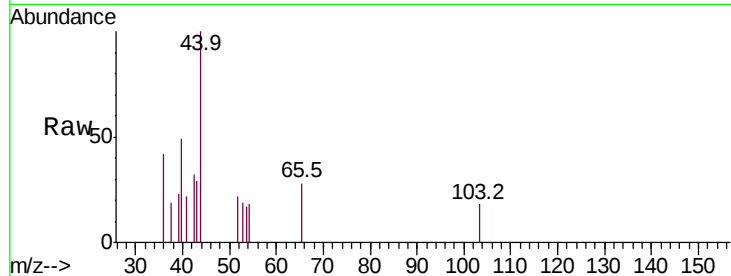
Tot Ion: 53 Resp: 278

Ion Ratio Lower Upper

53 100

52 110.8 67.2 100.8#

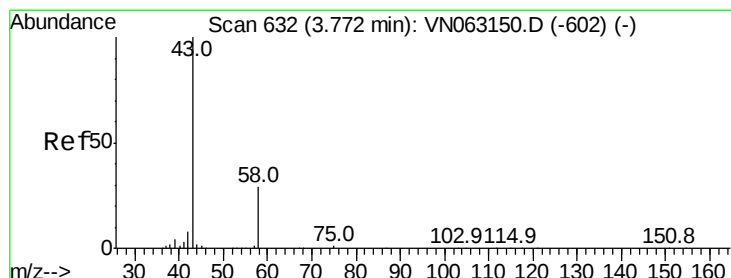
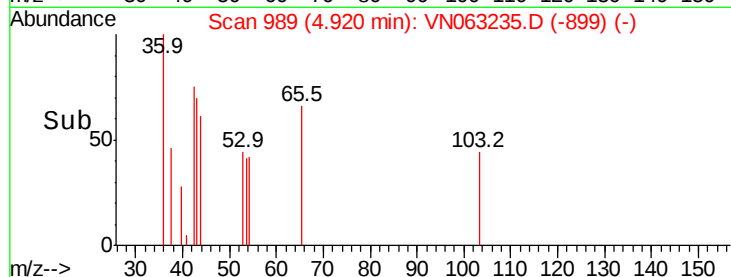
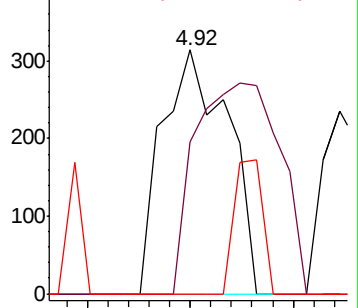
51 23.7 30.2 45.4#



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



#16

Acetone

Concen: 1.116 ug/l

RT: 3.79 min Scan# 637

Delta R.T. 0.02 min

Lab File: VN063235.D

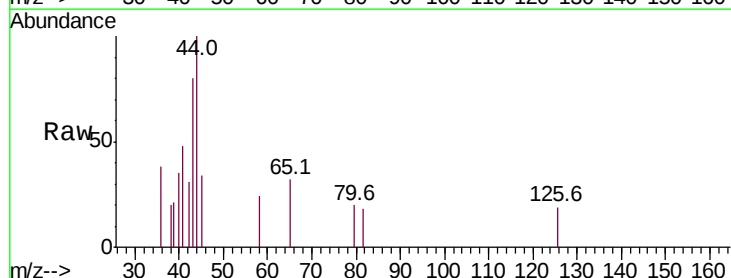
Acq: 4 Sep 2020 9:59

Tgt Ion: 43 Resp: 1550

Ion Ratio Lower Upper

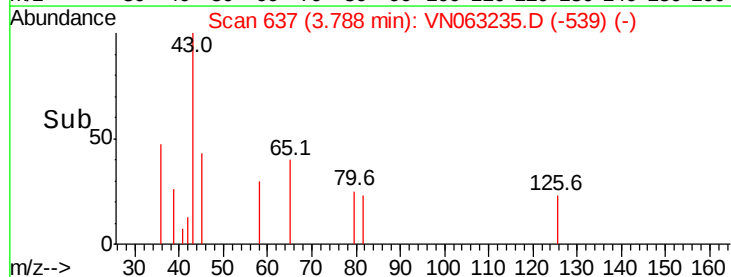
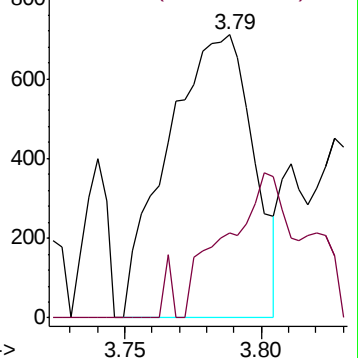
43 100

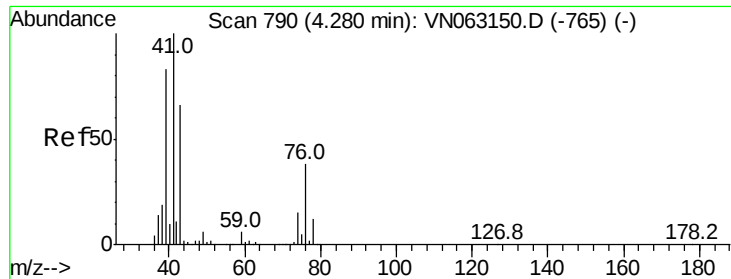
58 30.0 23.1 34.7



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0

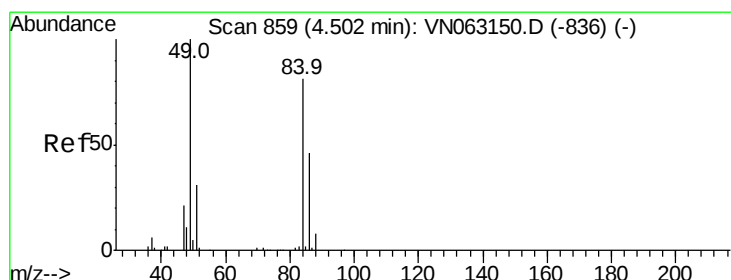
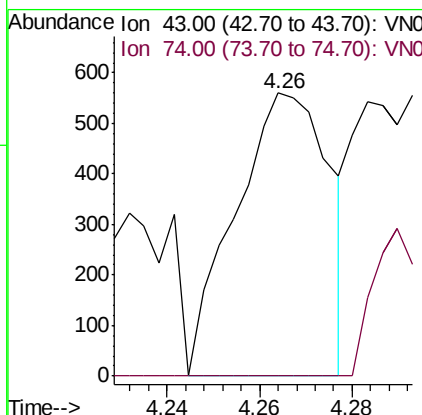
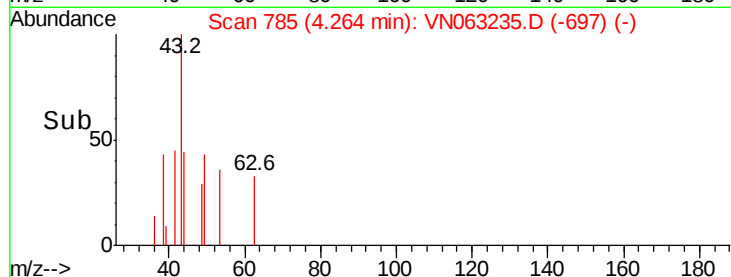
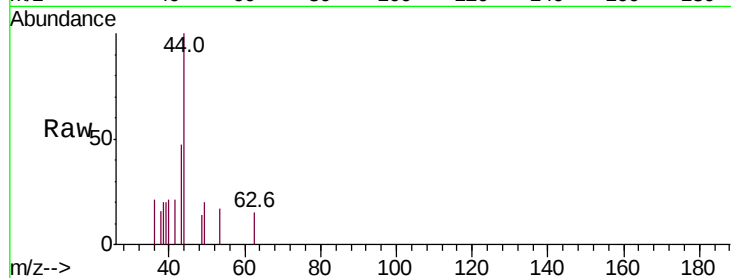




#18
Methyl Acetate
Concen: 0.221 ug/l
RT: 4.26 min Scan# 785
Delta R.T. -0.02 min
Lab File: VN063235.D
Acq: 4 Sep 2020 9:59

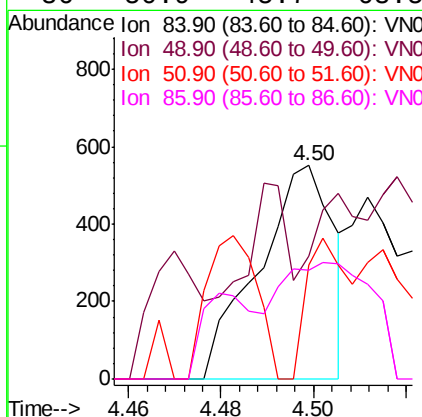
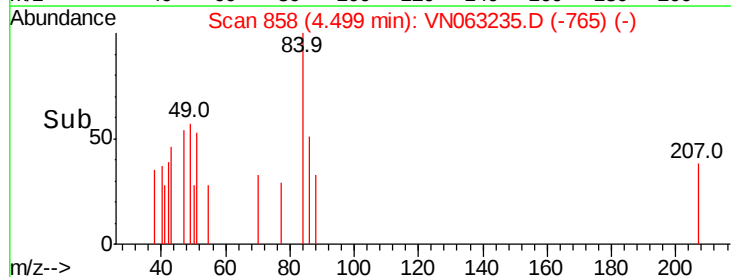
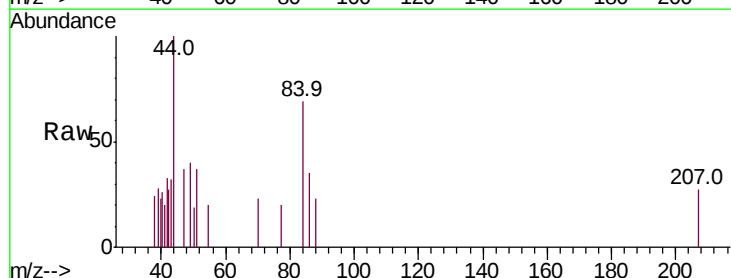
Instrument :
MSVOA_N
ClientSampled :
VN0904MBL01

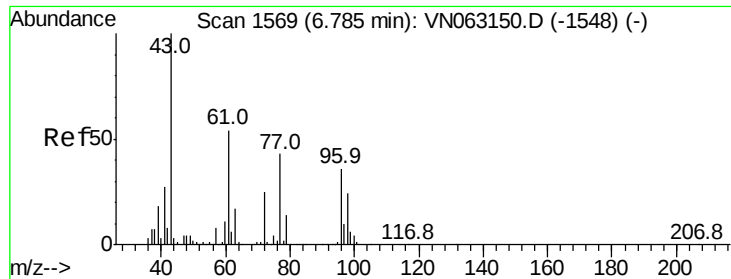
Tot Ion: 43 Resp: 786
Ion Ratio Lower Upper
43 100
74 0.0 19.0 28.6#



#20
Methylene Chloride
Concen: Below Cal
RT: 4.50 min Scan# 858
Delta R.T. -0.00 min
Lab File: VN063235.D
Acq: 4 Sep 2020 9:59

Tgt Ion: 84 Resp: 616
Ion Ratio Lower Upper
84 100
49 8.2 98.4 147.6#
51 53.4 30.4 45.6#
86 50.9 45.7 68.5





#25

2-Butanone

Concen: 0.521 ug/l

RT: 6.77 min Scan# 1564

Delta R.T. -0.02 min

Lab File: VN063235.D

Acq: 4 Sep 2020 9:59

Instrument :

MSVOA_N

ClientSampleId :

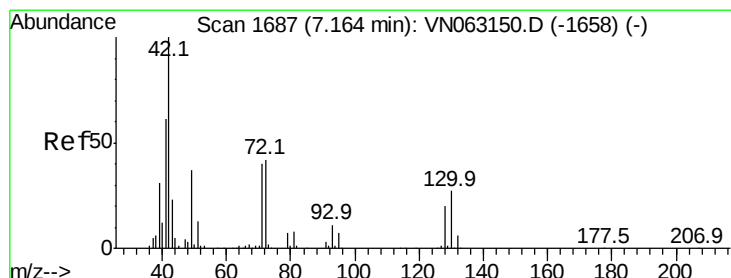
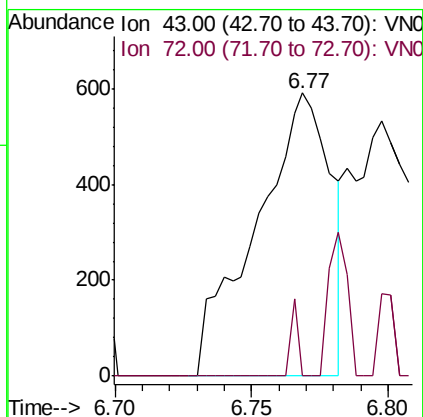
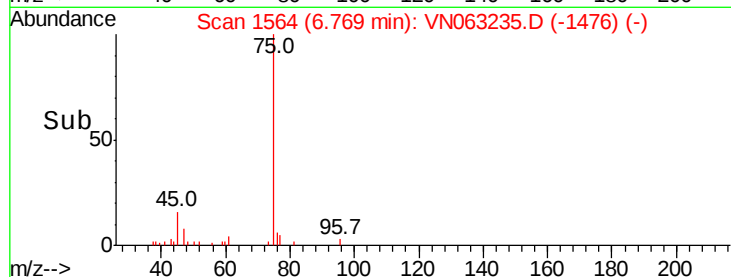
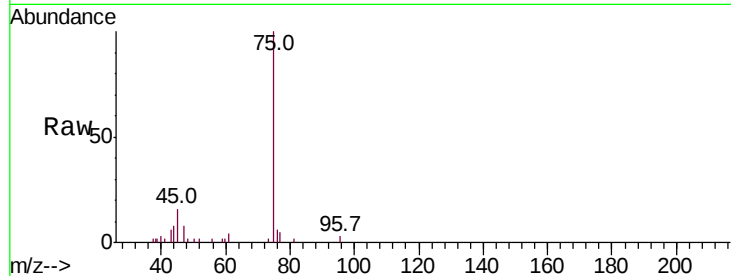
VN0904MBL01

Tot Ion: 43 Resp: 1120

Ion Ratio Lower Upper

43 100

72 0.0 20.2 30.4#



#29

Tetrahydrofuran

Concen: 0.375 ug/l

RT: 7.17 min Scan# 1688

Delta R.T. 0.00 min

Lab File: VN063235.D

Acq: 4 Sep 2020 9:59

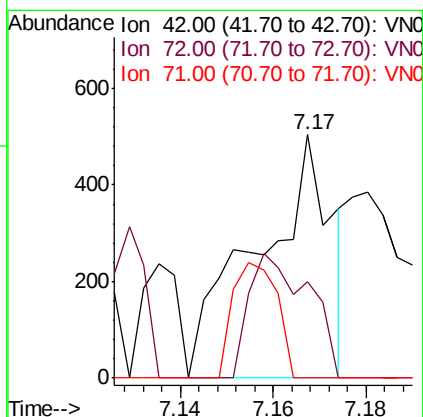
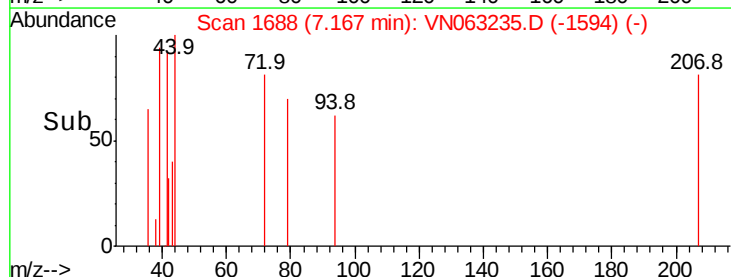
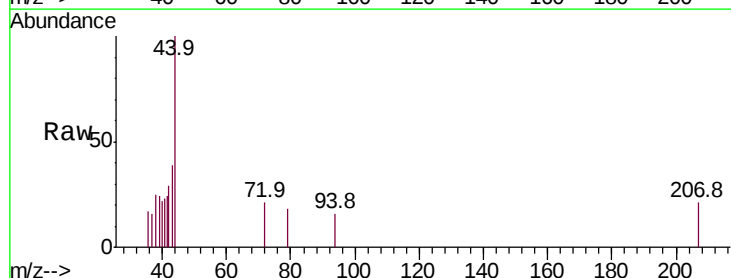
Tgt Ion: 42 Resp: 558

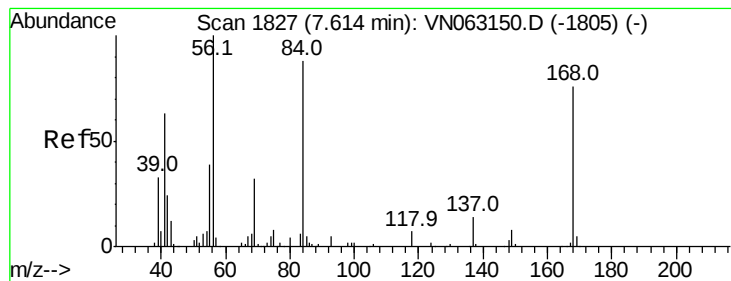
Ion Ratio Lower Upper

42 100

72 41.2 33.9 50.9

71 28.5 31.9 47.9#





#31

Cyclohexane

Concen: Below Cal

RT: 7.62 min Scan# 1830

Delta R.T. 0.01 min

Lab File: VN063235.D

Acq: 4 Sep 2020 9:59

Instrument :

MSVOA_N

ClientSampleId :

VN0904MBL01

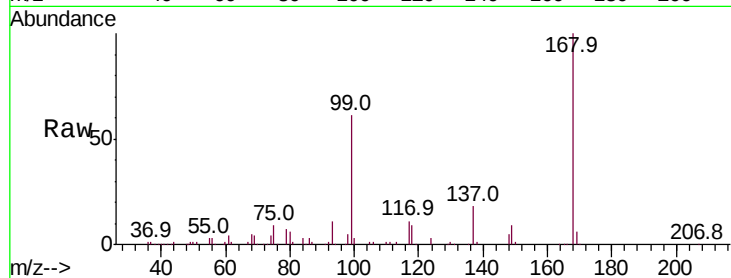
Tot Ion: 56 Resp: 9275

Ion Ratio Lower Upper

56 100

69 120.2 25.4 38.0#

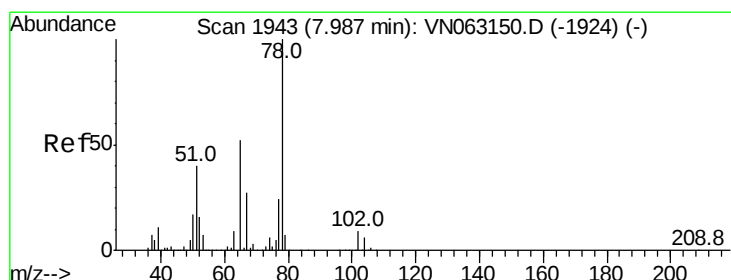
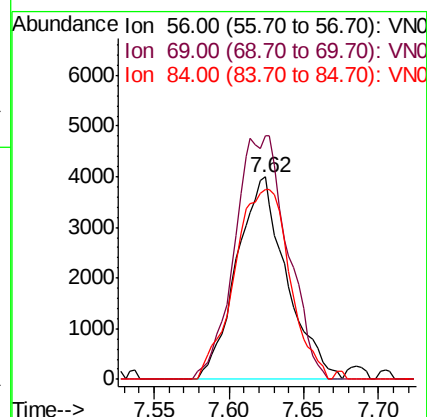
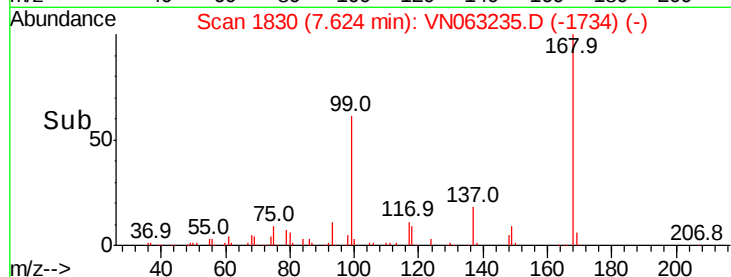
84 93.8 70.2 105.4



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: 48.157 ug/l

RT: 7.98 min Scan# 1942

Delta R.T. -0.00 min

Lab File: VN063235.D

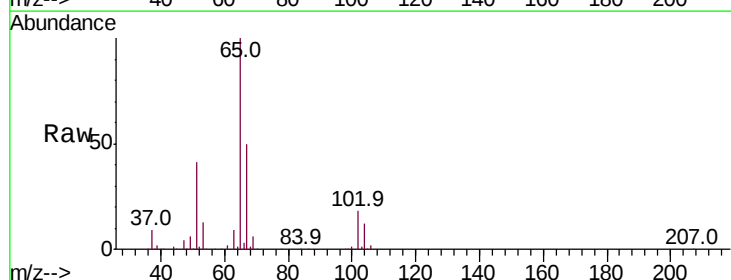
Acq: 4 Sep 2020 9:59

Tgt Ion: 65 Resp: 235179

Ion Ratio Lower Upper

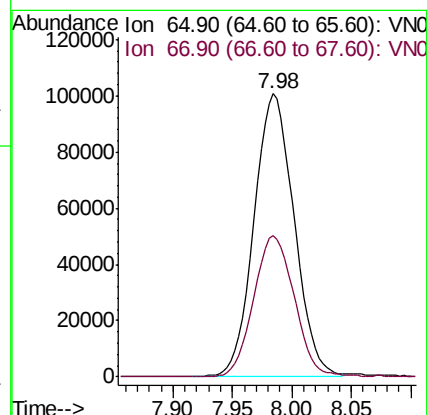
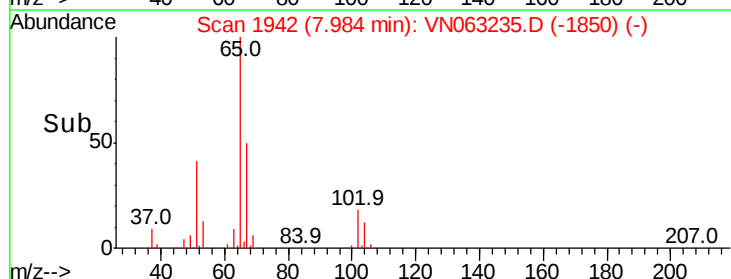
65 100

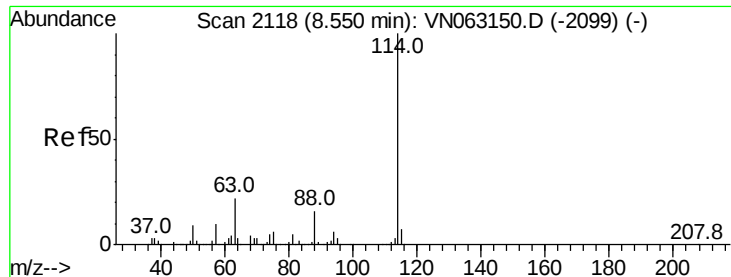
67 50.7 0.0 104.4



Abundance Ion 64.90 (64.60 to 65.60): VN0

Ion 66.90 (66.60 to 67.60): VN0

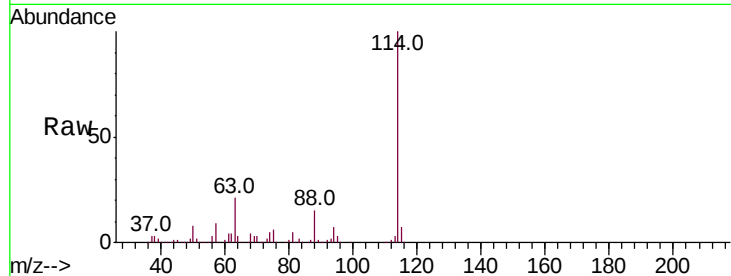




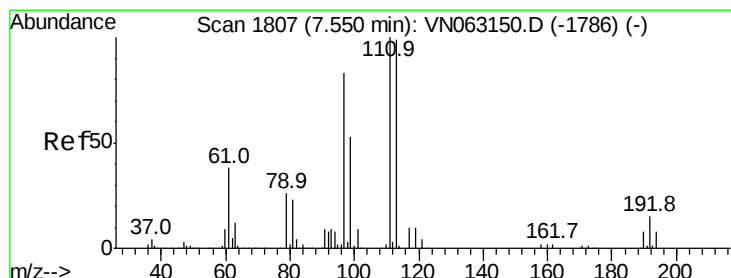
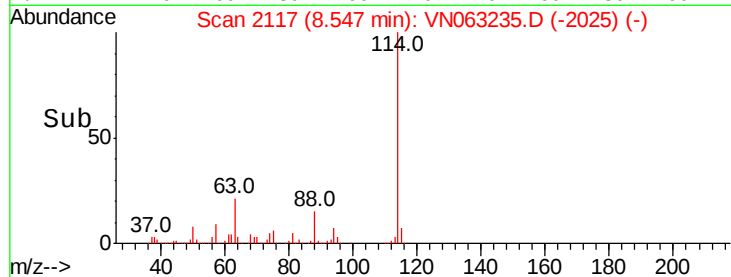
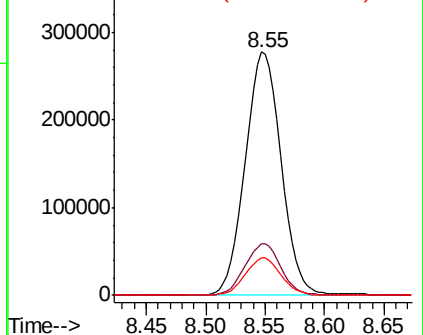
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.55 min Scan# 2117
Delta R.T. -0.00 min
Lab File: VN063235.D
Acq: 4 Sep 2020 9:59

Instrument :
MSVOA_N
ClientSampleId :
VN0904MBL01

Tot Ion:114 Resp: 581894
Ion Ratio Lower Upper
114 100
63 20.9 0.0 43.0
88 15.2 0.0 31.6

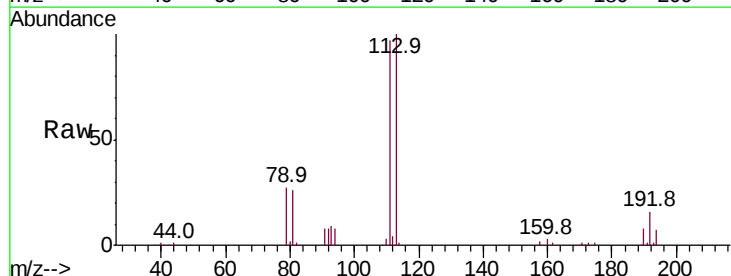


Abundance Ion 113.90 (113.60 to 114.60): V
Ion 63.00 (62.70 to 63.70): VN
Ion 87.90 (87.60 to 88.60): VN

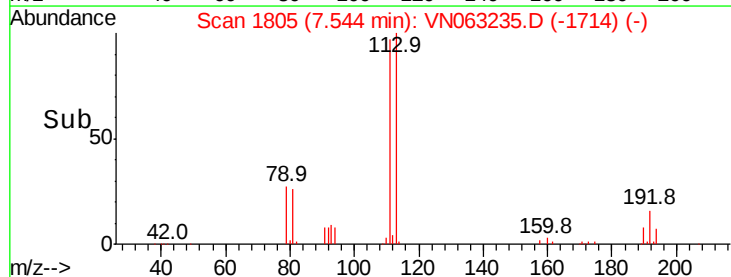
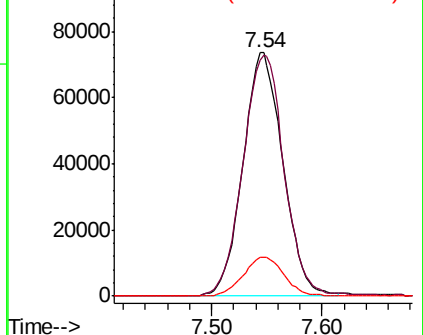


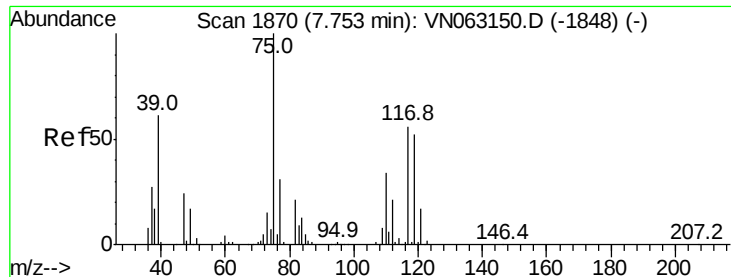
#35
Dibromofluoromethane
Concen: 49.553 ug/l
RT: 7.54 min Scan# 1805
Delta R.T. -0.01 min
Lab File: VN063235.D
Acq: 4 Sep 2020 9:59

Tgt Ion:113 Resp: 184987
Ion Ratio Lower Upper
113 100
111 101.5 80.7 121.1
192 16.3 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: 5.002 ug/l

RT: 7.63 min Scan# 1831

Delta R.T. -0.13 min

Lab File: VN063235.D

Acq: 4 Sep 2020 9:59

Instrument :

MSVOA_N

ClientSampleId :

VN0904MBL01

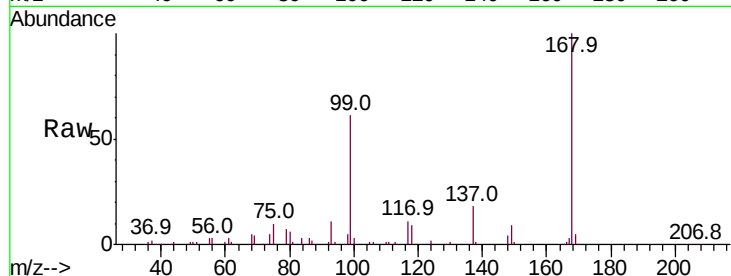
Tot Ion: 75 Resp: 27984

Ion Ratio Lower Upper

75 100

110 9.4 16.6 49.8#

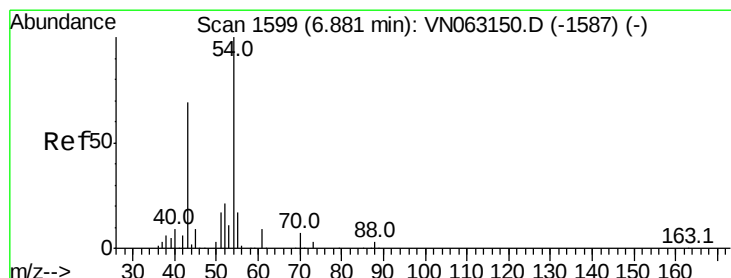
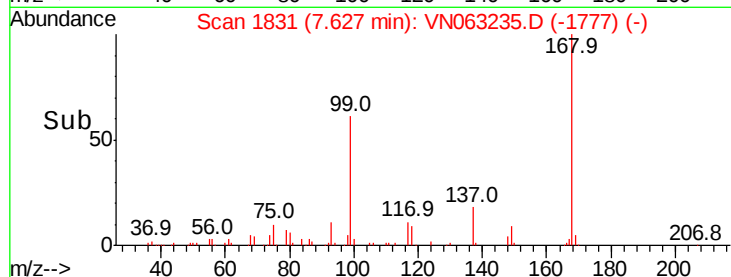
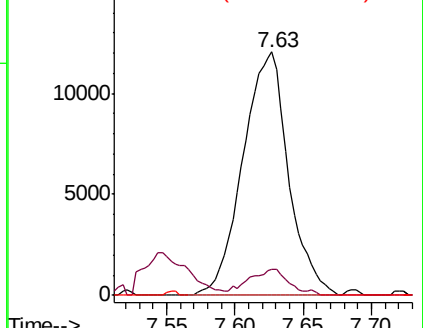
77 0.0 25.4 38.2#



Abundance Ion 74.90 (74.60 to 75.60): VNO

Ion 109.90 (109.60 to 110.60): VNO

Ion 76.90 (76.60 to 77.60): VNO



#37

Ethyl Acetate

Concen: 0.413 ug/l

RT: 6.89 min Scan# 1602

Delta R.T. 0.01 min

Lab File: VN063235.D

Acq: 4 Sep 2020 9:59

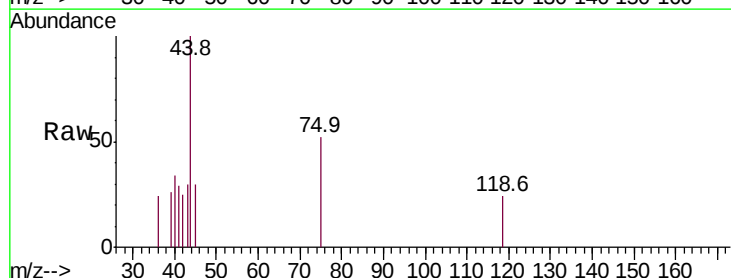
Tgt Ion: 43 Resp: 172

Ion Ratio Lower Upper

43 100

61 0.0 10.2 15.4#

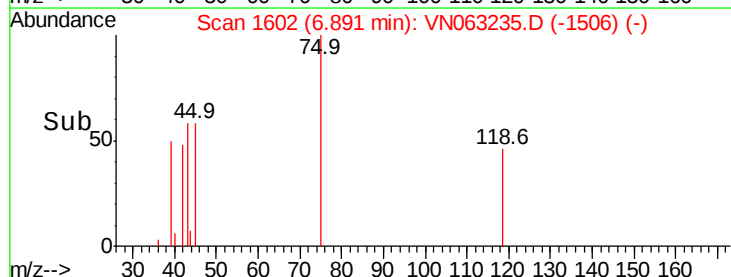
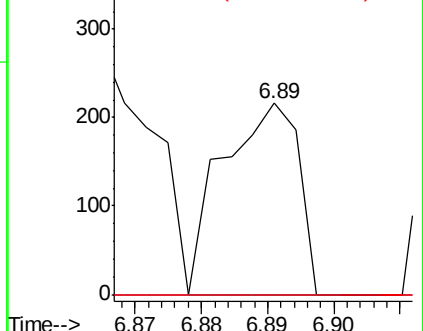
70 0.0 3.0 4.6#

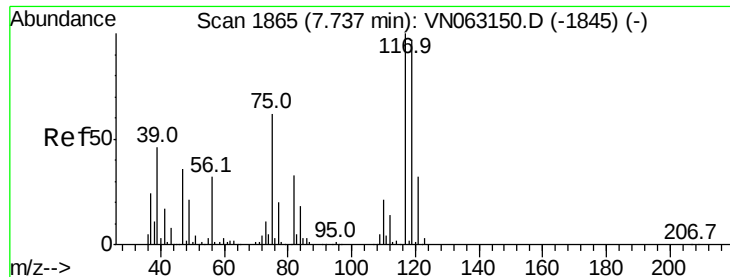


Abundance Ion 43.00 (42.70 to 43.70): VNO

Ion 60.90 (60.60 to 61.60): VNO

Ion 70.00 (69.70 to 70.70): VNO





#38

Carbon Tetrachloride

Concen: 5.918 ug/l

RT: 7.62 min Scan# 1830

Delta R.T. -0.11 min

Lab File: VN063235.D

Acq: 4 Sep 2020 9:59

Instrument :

MSVOA_N

ClientSampleId :

VN0904MBL01

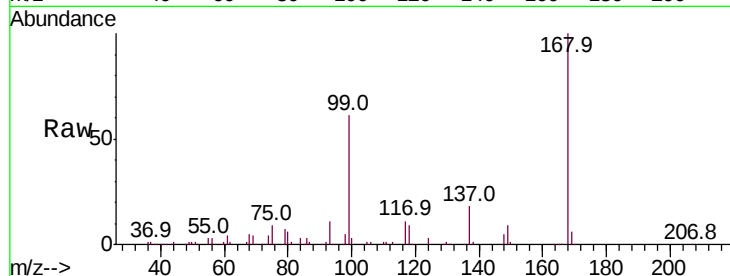
Tot Ion:117 Resp: 33574

Ion Ratio Lower Upper

117 100

119 3.7 77.2 115.8#

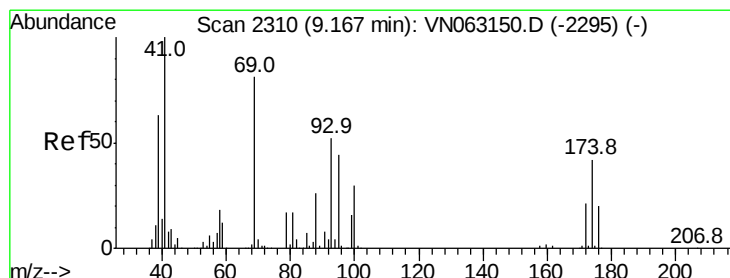
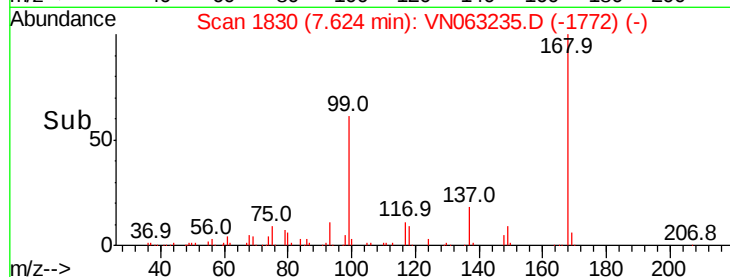
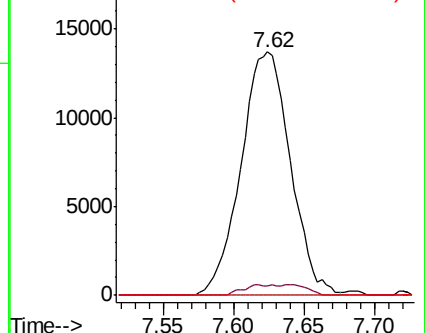
121 0.0 25.6 38.4#



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: 1.022 ug/l

RT: 9.16 min Scan# 2307

Delta R.T. -0.01 min

Lab File: VN063235.D

Acq: 4 Sep 2020 9:59

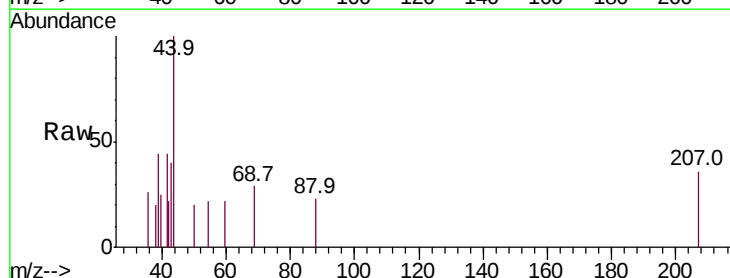
Tgt Ion: 88 Resp: 65

Ion Ratio Lower Upper

88 100

43 144.6 28.6 42.8#

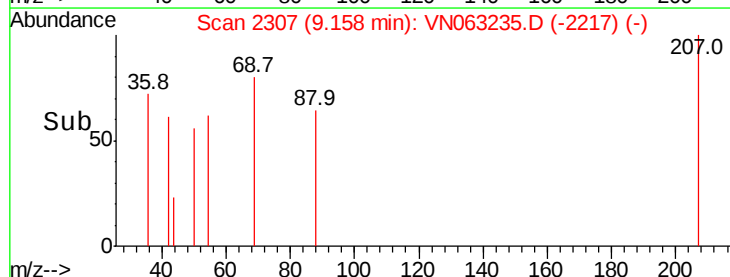
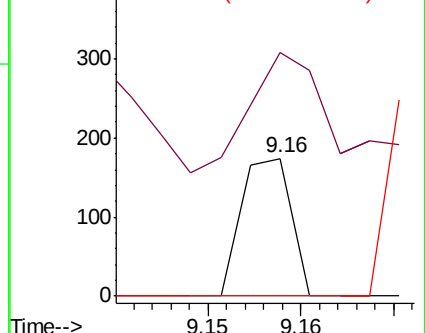
58 0.0 53.2 79.8#

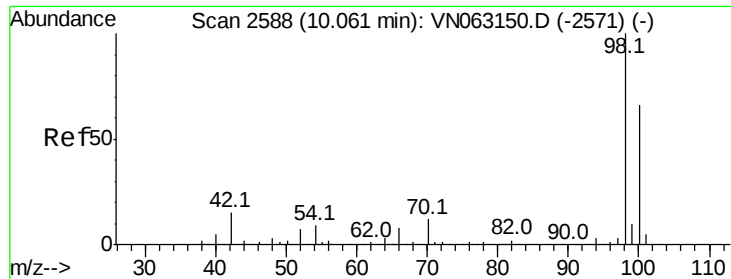


Abundance Ion 88.00 (87.70 to 88.70): V

Ion 43.00 (42.70 to 43.70): V

Ion 58.00 (57.70 to 58.70): V





#50

Toluene-d8

Concen: 50.581 ug/l

RT: 10.06 min Scan# 2587

Delta R.T. -0.00 min

Lab File: VN063235.D

Acq: 4 Sep 2020 9:59

Instrument :

MSVOA_N

ClientSampled :

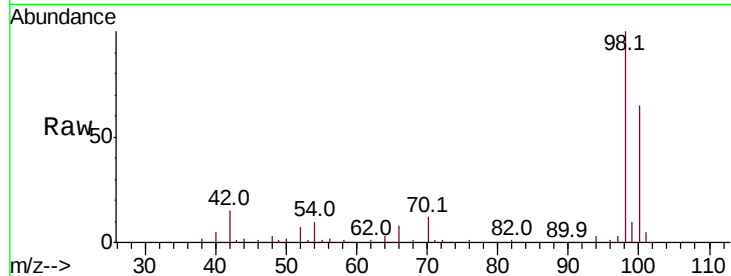
VN0904MBL01

Tot Ion: 98 Resp: 726788

Ion Ratio Lower Upper

98 100

100 65.0 52.0 78.0



Abundance Ion 98.00 (97.70 to 98.70): VN0

Ion 100.00 (99.70 to 100.70): VN

10.06

400000

300000

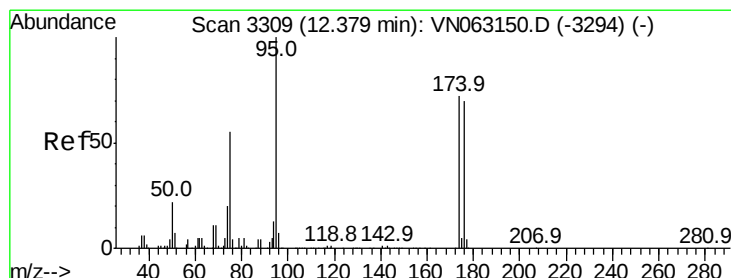
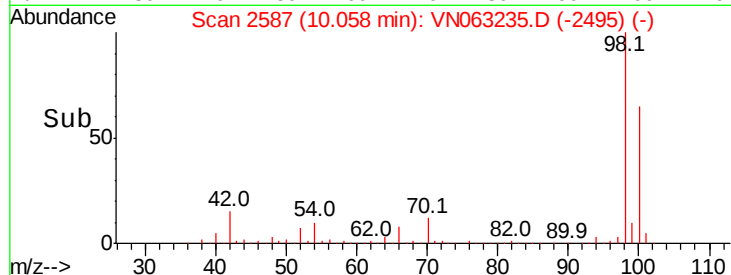
200000

100000

0

Time-->

10.00 10.10



#62

4-Bromofluorobenzene

Concen: 49.666 ug/l

RT: 12.38 min Scan# 3308

Delta R.T. -0.00 min

Lab File: VN063235.D

Acq: 4 Sep 2020 9:59

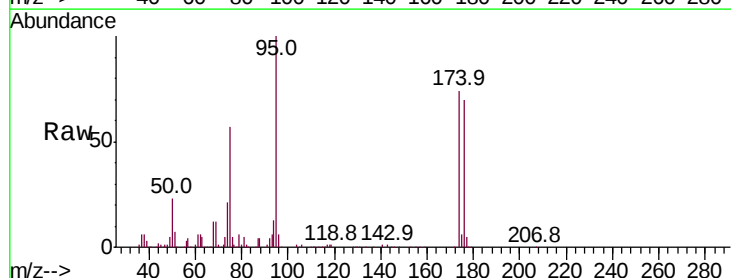
Tgt Ion: 95 Resp: 249635

Ion Ratio Lower Upper

95 100

174 75.2 0.0 143.8

176 72.4 0.0 138.4



Abundance Ion 94.90 (94.60 to 95.60): VN0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

200000

150000

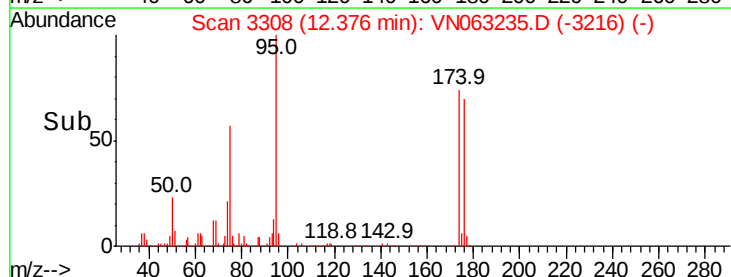
100000

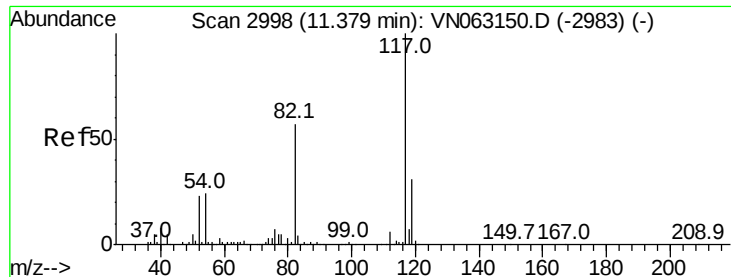
50000

0

Time-->

12.30 12.40

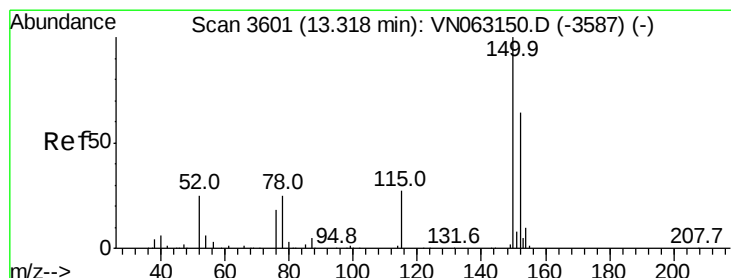
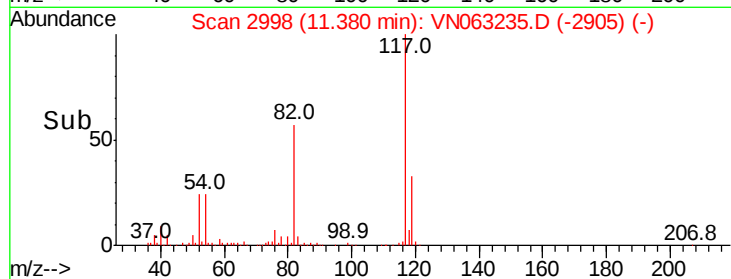
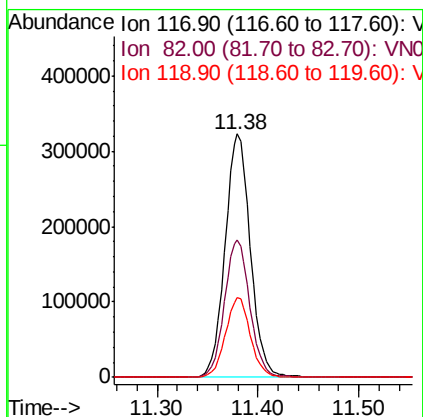
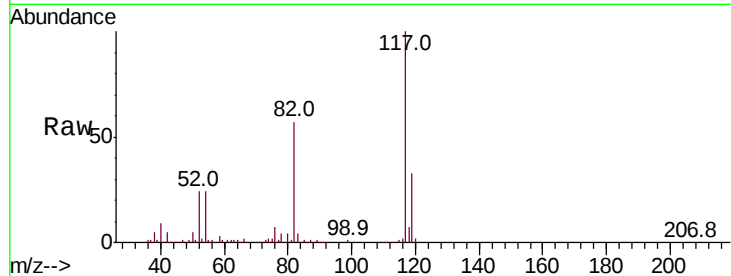




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.38 min Scan# 2998
Delta R.T. 0.00 min
Lab File: VN063235.D
Acq: 4 Sep 2020 9:59

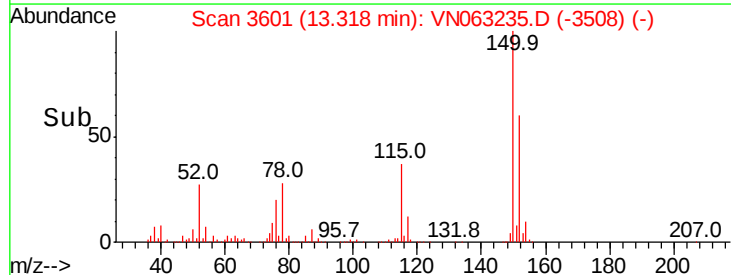
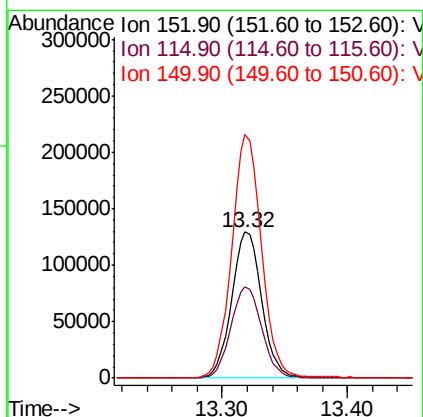
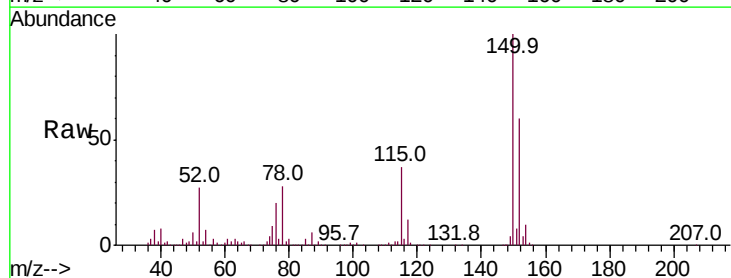
Instrument :
MSVOA_N
ClientSampleId :
VN0904MBL01

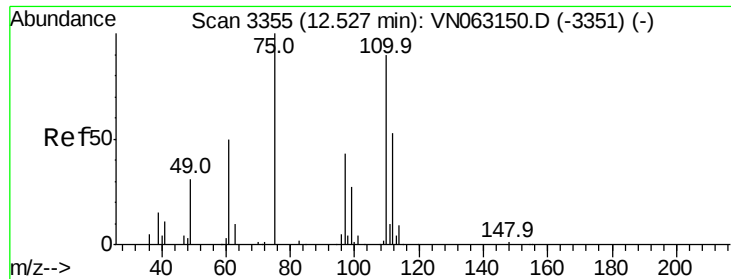
Tot Ion:117 Resp: 565306
Ion Ratio Lower Upper
117 100
82 56.5 45.4 68.0
119 32.8 24.6 37.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.32 min Scan# 3601
Delta R.T. 0.00 min
Lab File: VN063235.D
Acq: 4 Sep 2020 9:59

Tgt Ion:152 Resp: 215553
Ion Ratio Lower Upper
152 100
115 64.6 32.0 96.2
150 164.9 0.0 353.0





#76

1,2,3-Trichloropropane

Concen: 33.716 ug/l

RT: 12.38 min Scan# 3308

Delta R.T. -0.15 min

Lab File: VN063235.D

Acq: 4 Sep 2020 9:59

Instrument :

MSVOA_N

ClientSampleId :

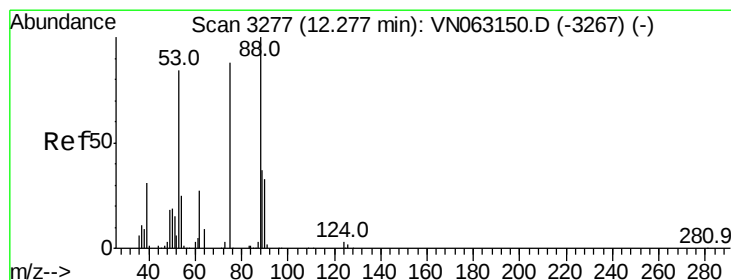
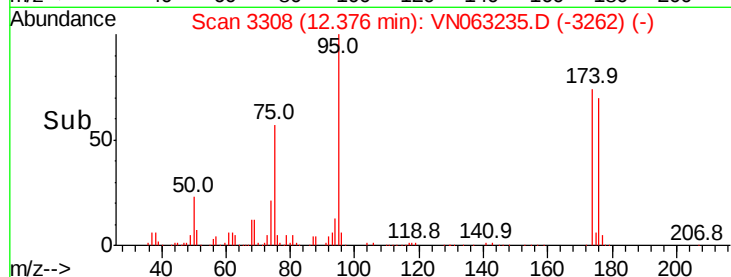
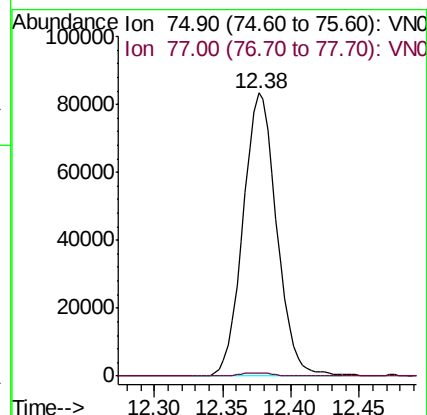
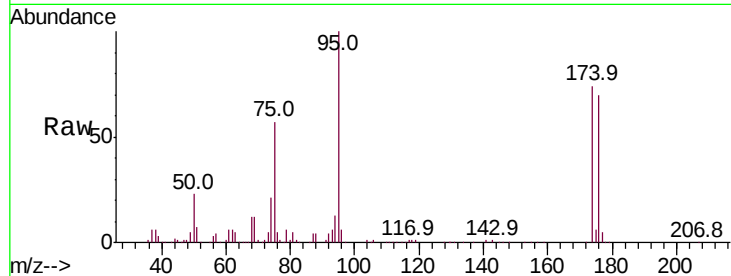
VN0904MBL01

Tot Ion: 75 Resp: 142792

Ion Ratio Lower Upper

75 100

77 1.1 0.0 0.0#



#81

trans-1,4-Dichloro-2-butene

Concen: 81.491 ug/l

RT: 12.38 min Scan# 3308

Delta R.T. 0.10 min

Lab File: VN063235.D

Acq: 4 Sep 2020 9:59

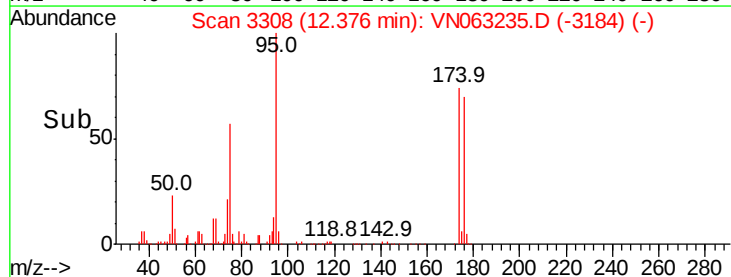
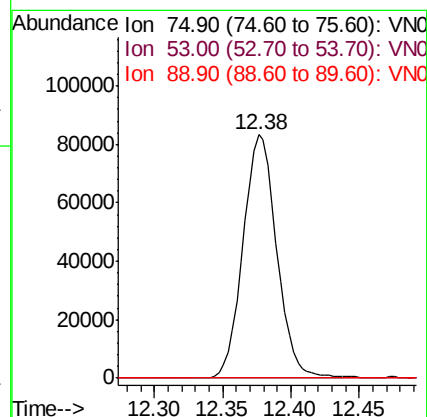
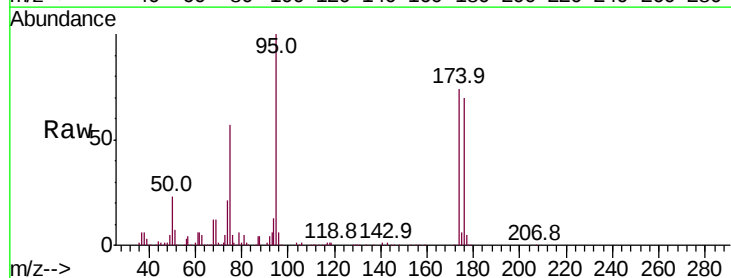
Tgt Ion: 75 Resp: 142792

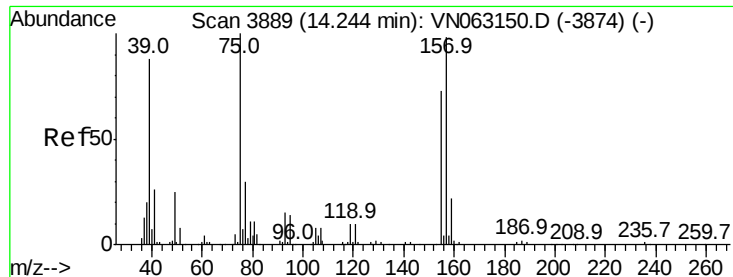
Ion Ratio Lower Upper

75 100

53 0.1 78.7 118.1#

89 0.0 35.3 52.9#

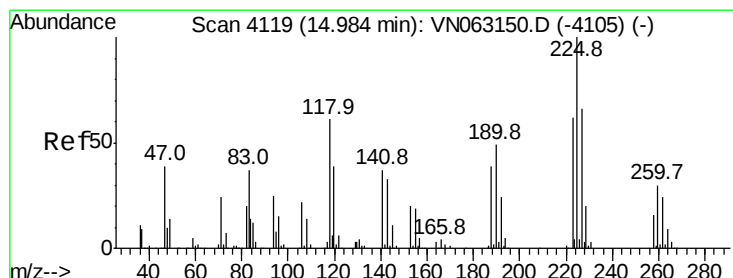
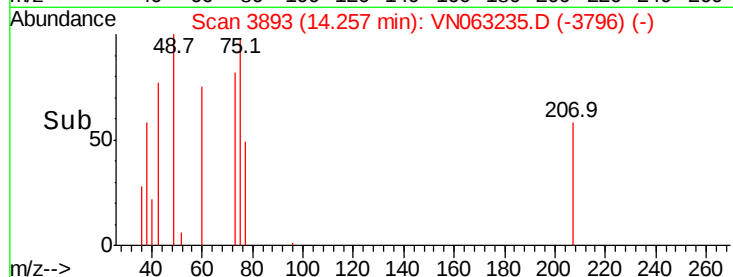
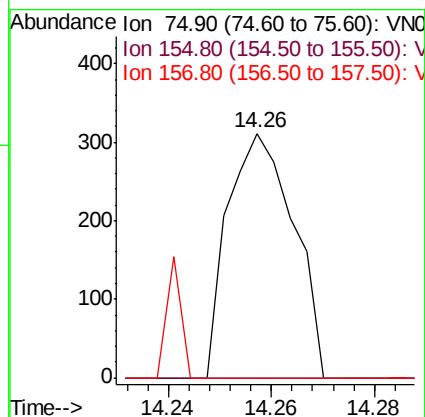
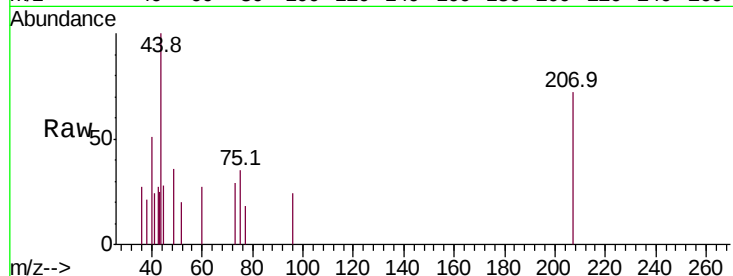




#92
 1,2-Dibromo-3-Chloropropane
 Concen: 0.261 ug/l
 RT: 14.26 min Scan# 3893
 Delta R.T. 0.01 min
 Lab File: VN063235.D
 Acq: 4 Sep 2020 9:59

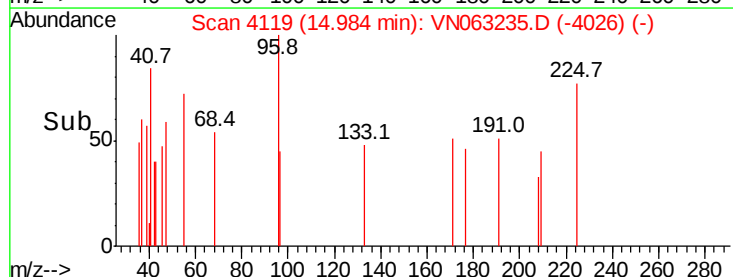
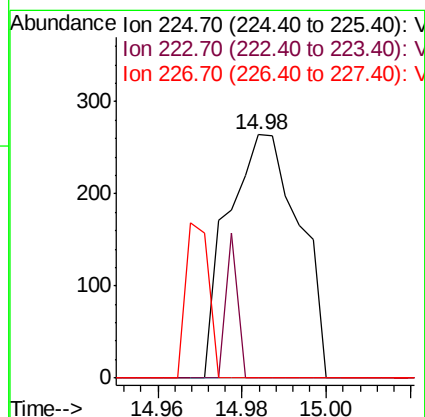
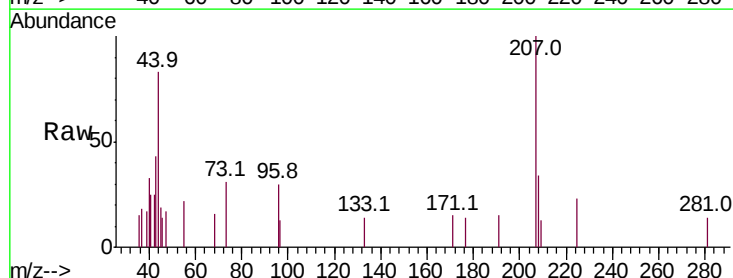
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0904MBL01

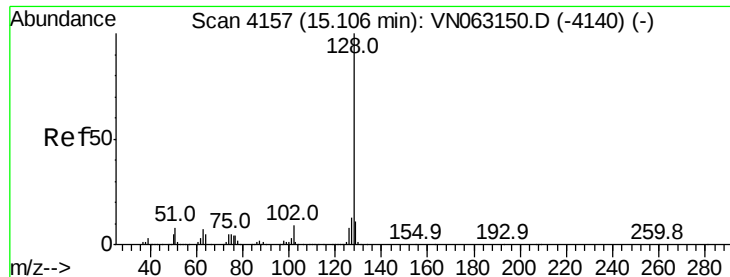
Tot Ion: 75 Resp: 274
 Ion Ratio Lower Upper
 75 100
 155 0.0 36.1 108.5#
 157 10.9 48.4 145.0#



#94
 Hexachlorobutadiene
 Concen: 0.224 ug/l
 RT: 14.98 min Scan# 4119
 Delta R.T. 0.00 min
 Lab File: VN063235.D
 Acq: 4 Sep 2020 9:59

Tgt Ion: 225 Resp: 312
 Ion Ratio Lower Upper
 225 100
 223 9.6 30.9 92.7#
 227 20.2 32.9 98.7#





#95

Naphthalene

Concen: 0.711 ug/l

RT: 15.11 min Scan# 4157

Delta R.T. 0.00 min

Lab File: VN063235.D

Acq: 4 Sep 2020 9:59

Instrument :

MSVOA_N

ClientSampleId :

VN0904MBL01

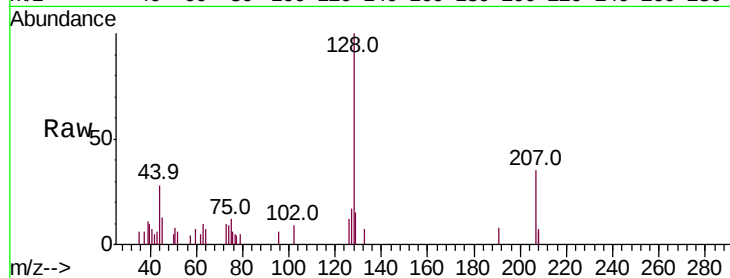
Tot Ion:128 Resp: 8828

Ion Ratio Lower Upper

128 100

127 13.3 10.5 15.7

129 10.9 8.6 13.0



Abundance Ion 128.00 (127.70 to 128.70): V

5000 Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V

