

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN081920\
 Data File : VN063023.D
 Acq On : 19 Aug 2020 19:35
 Operator : JC/MD
 Sample : L3736-01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 TB-02-200818

Quant Time: Aug 20 01:27:14 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N081820W.M
 Quant Title : SW846 8260
 QLast Update : Wed Aug 19 06:09:27 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.63	168	160433	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.55	114	269941	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	276830	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	102670	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	7.99	65	100039	52.61	ug/l	0.00
Spiked Amount			Recovery	=	105.22%	
35) Dibromofluoromethane	7.55	113	90131	51.24	ug/l	0.00
Spiked Amount			Recovery	=	102.48%	
50) Toluene-d8	10.06	98	343812	50.89	ug/l	0.00
Spiked Amount			Recovery	=	101.78%	
62) 4-Bromofluorobenzene	12.38	95	114778	48.14	ug/l	0.00
Spiked Amount			Recovery	=	96.28%	

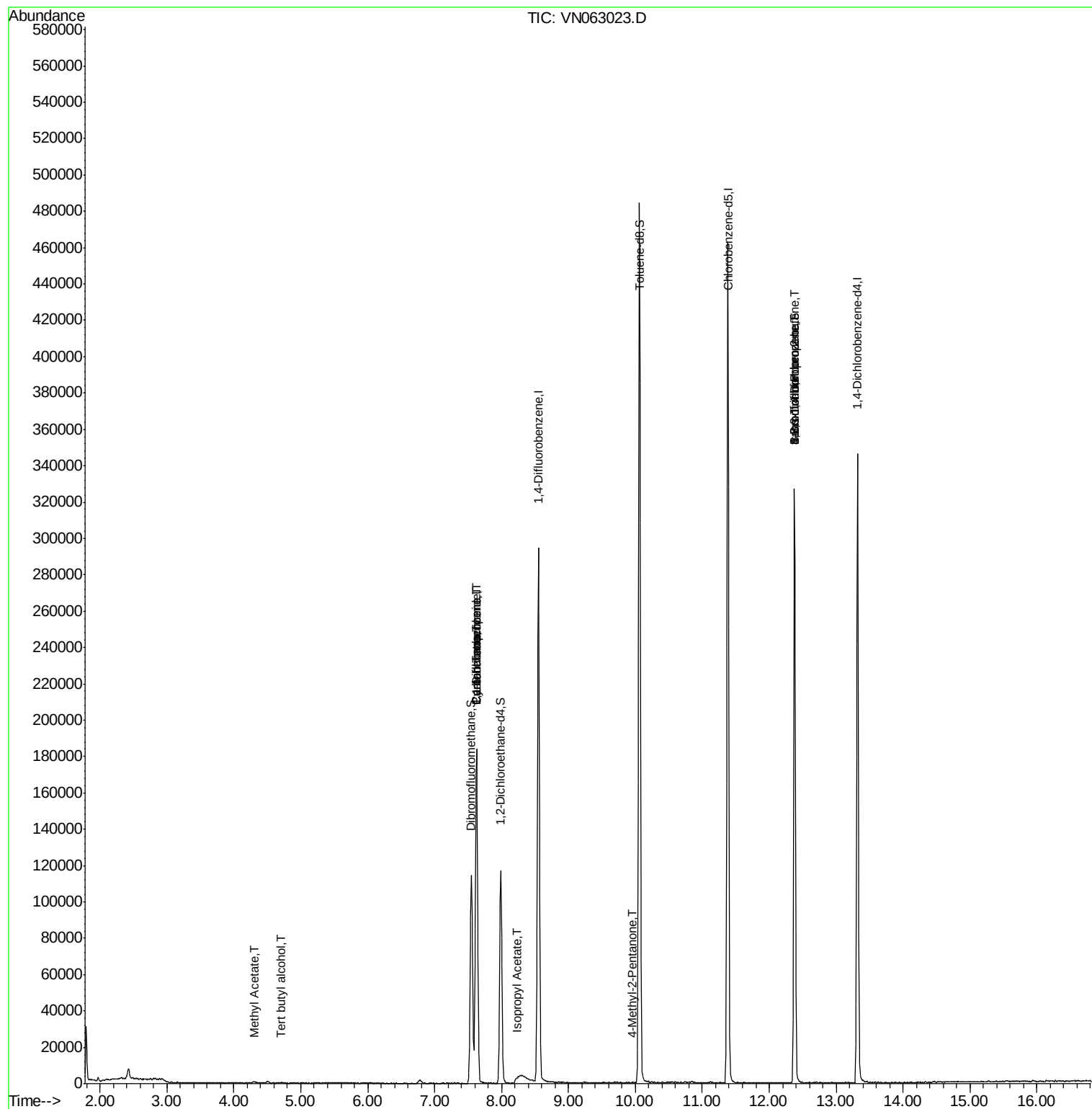
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	4.69	59	227	0.843	ug/l #	74
18) Methyl Acetate	4.30	43	1373	0.727	ug/l #	52
20) Methylene Chloride	4.49	84	424	Below Cal	#	49
31) Cyclohexane	7.62	56	2835	1.012	ug/l #	1
36) 1,1-Dichloropropene	7.63	75	11117	4.673	ug/l #	49
38) Carbon Tetrachloride	7.63	117	14133	5.885	ug/l #	18
43) Isopropyl Acetate	8.23	43	2189	0.593	ug/l #	53
51) 4-Methyl-2-Pentanone	9.96	43	469	0.201	ug/l #	35
71) Bromoform	12.38	173	974	0.566	ug/l #	1
76) 1,2,3-Trichloropropane	12.38	75	54666	27.392	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.38	75	54666	75.232	ug/l #	15

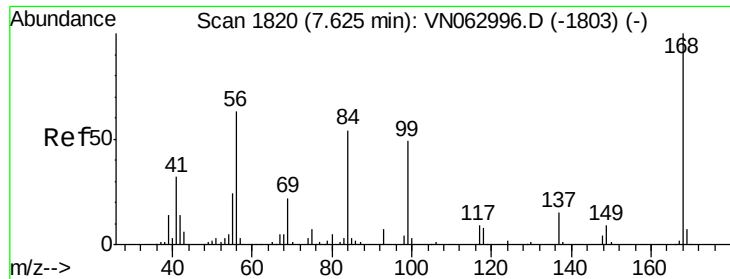
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA N\DATA\VN081920\
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Quant Title : SW846 8260
QLast Update : Wed Aug 19 06:09:27 2020
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.63 min Scan# 1820

Delta R.T. 0.00 min

Lab File: VN063023.D

Acq: 19 Aug 2020 19:35

Instrument :

MSVOA_N

ClientSampleId :

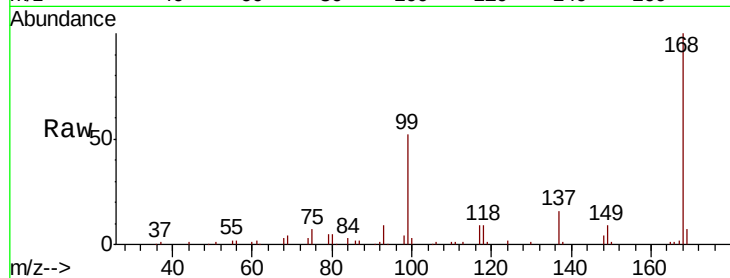
TB-02-200818

Tot Ion:168 Resp: 160433

Ion Ratio Lower Upper

168 100

99 51.9 42.0 63.0



Abundance Ion 167.90 (167.60 to 168.60): VN062996.D (-1803) (-)

Ion 98.90 (98.60 to 99.60): VN062996.D (-1803) (-)

7.63

60000

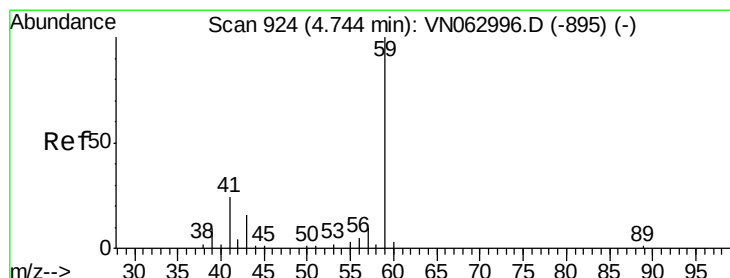
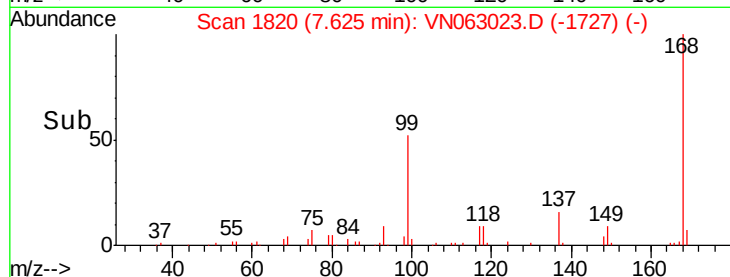
40000

20000

0

7.50 7.60 7.70

Time-->



#11

Tert butyl alcohol

Concen: 0.843 ug/l

RT: 4.69 min Scan# 907

Delta R.T. -0.05 min

Lab File: VN063023.D

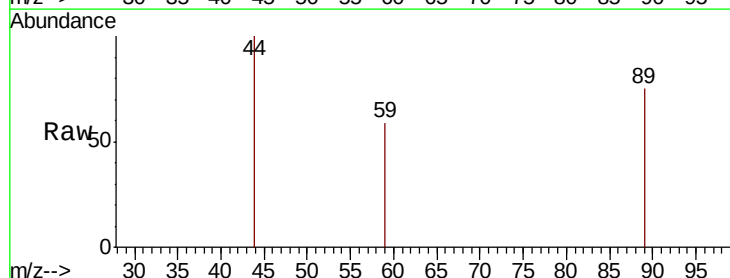
Acq: 19 Aug 2020 19:35

Tgt Ion: 59 Resp: 227

Ion Ratio Lower Upper

59 100

57 0.0 7.8 11.6#



Abundance Ion 59.00 (58.70 to 59.70): VN062996.D (-895) (-)

Ion 57.00 (56.70 to 57.70): VN062996.D (-895) (-)

4.69

200

150

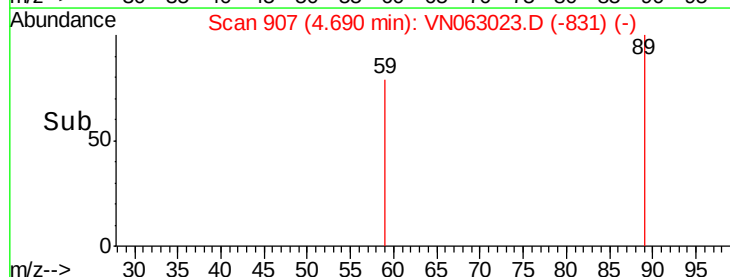
100

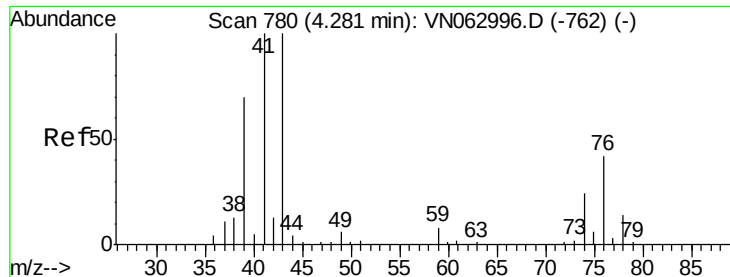
50

0

4.68 4.70 4.72

Time-->

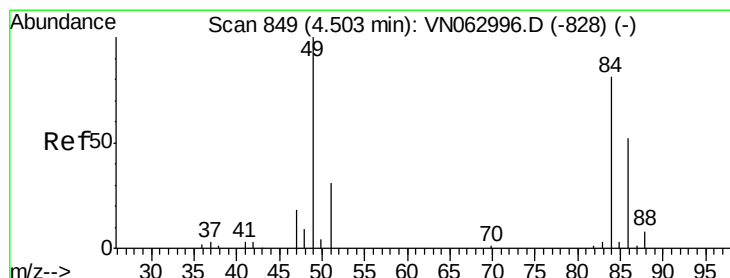
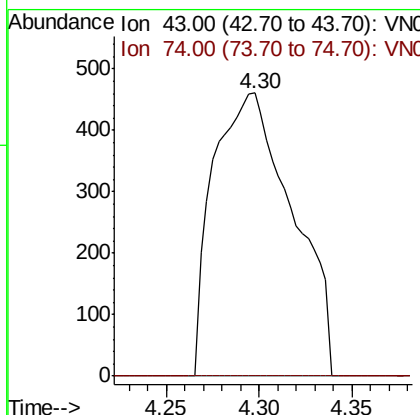
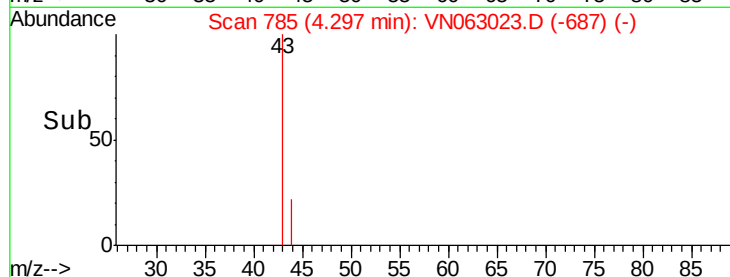
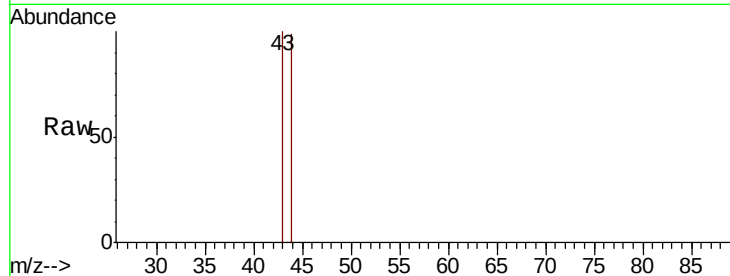




#18
Methyl Acetate
Concen: 0.727 ug/l
RT: 4.30 min Scan# 785
Delta R.T. 0.02 min
Lab File: VN063023.D
Acq: 19 Aug 2020 19:35

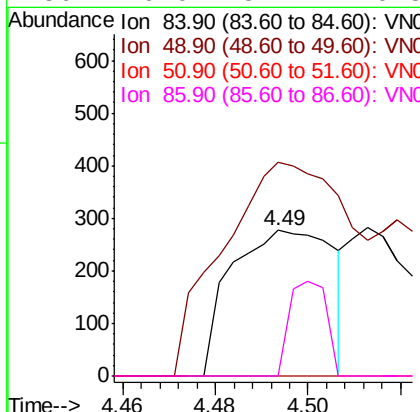
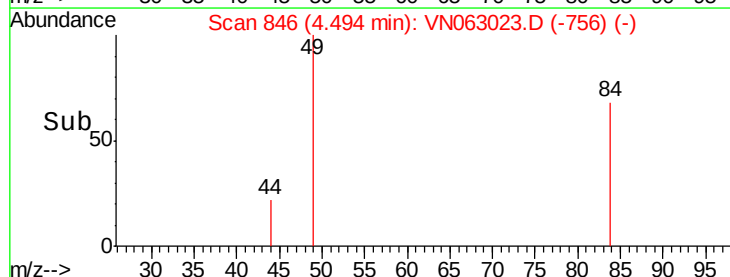
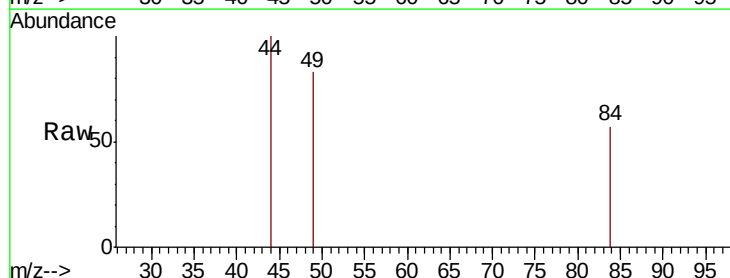
Instrument :
MSVOA_N
ClientSampled :
TB-02-200818

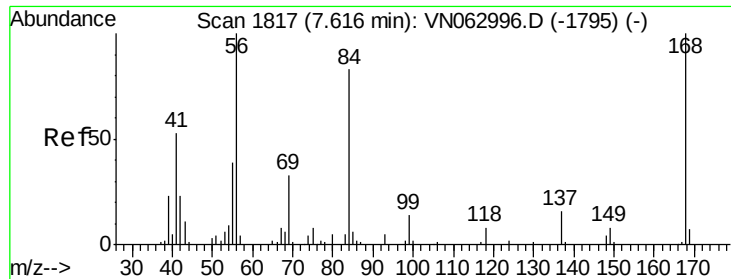
Tot Ion: 43 Resp: 1373
Ion Ratio Lower Upper
43 100
74 0.0 18.6 28.0#



#20
Methylene Chloride
Concen: Below Cal
RT: 4.49 min Scan# 846
Delta R.T. -0.01 min
Lab File: VN063023.D
Acq: 19 Aug 2020 19:35

Tgt Ion: 84 Resp: 424
Ion Ratio Lower Upper
84 100
49 89.2 98.7 148.1#
51 0.0 30.8 46.2#
86 0.0 51.2 76.8#

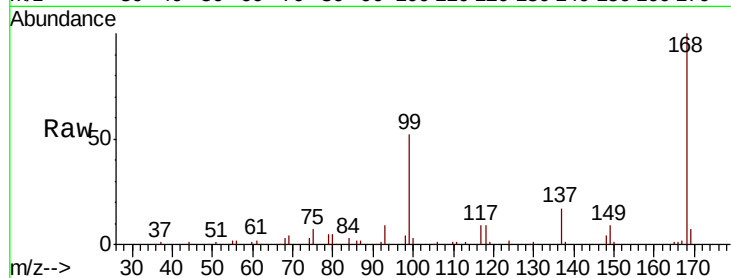




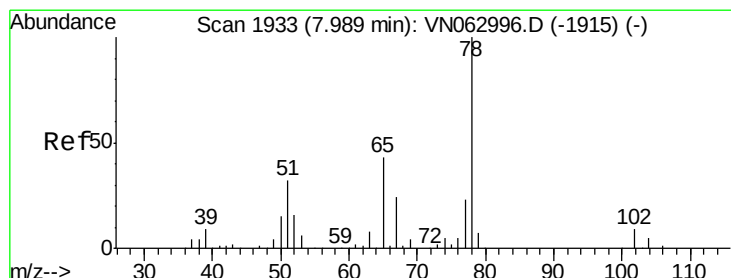
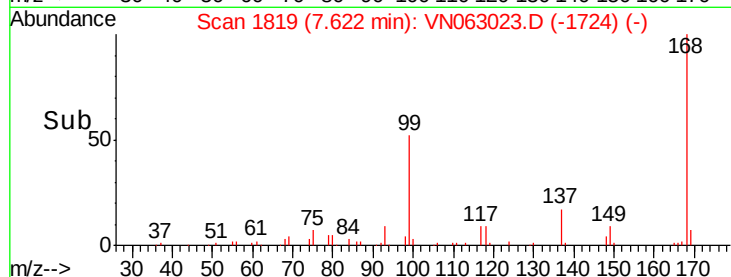
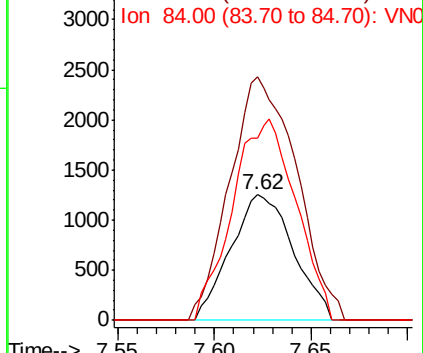
#31
Cyclohexane
Concen: 1.012 ug/l
RT: 7.62 min Scan# 1819
Delta R.T. 0.01 min
Lab File: VN063023.D
Acq: 19 Aug 2020 19:35

Instrument :
MSVOA_N
ClientSampleId :
TB-02-200818

Tot Ion: 56 Resp: 2835
Ion Ratio Lower Upper
56 100
69 193.5 26.6 40.0#
84 144.5 66.4 99.6#

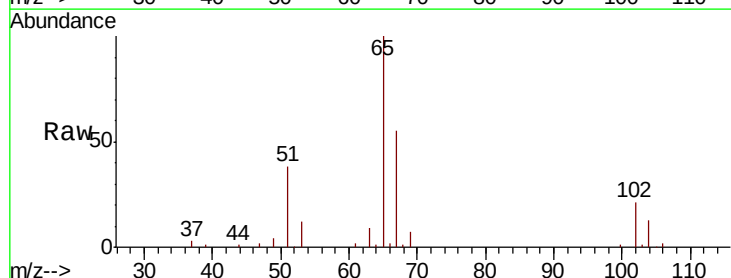


Abundance Ion 56.00 (55.70 to 56.70): VN0
Ion 69.00 (68.70 to 69.70): VN0
Ion 84.00 (83.70 to 84.70): VN0

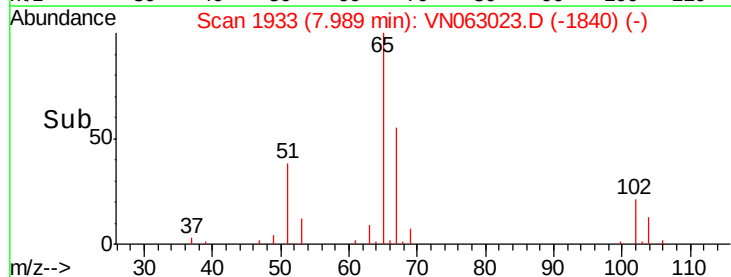
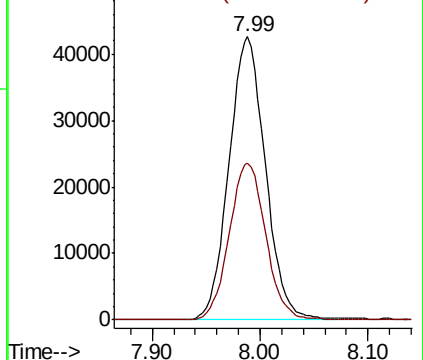


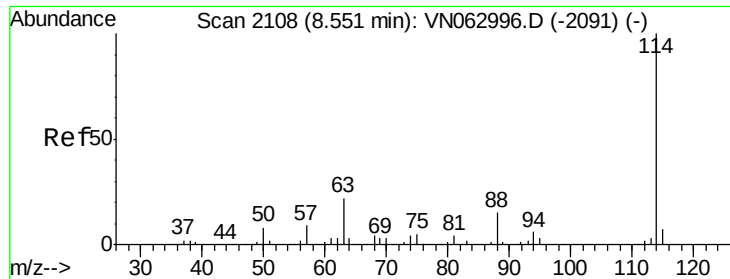
#33
1,2-Dichloroethane-d4
Concen: 52.612 ug/l
RT: 7.99 min Scan# 1933
Delta R.T. 0.00 min
Lab File: VN063023.D
Acq: 19 Aug 2020 19:35

Tgt Ion: 65 Resp: 100039
Ion Ratio Lower Upper
65 100
67 55.5 0.0 112.0



Abundance Ion 64.90 (64.60 to 65.60): VN0
Ion 66.90 (66.60 to 67.60): VN0

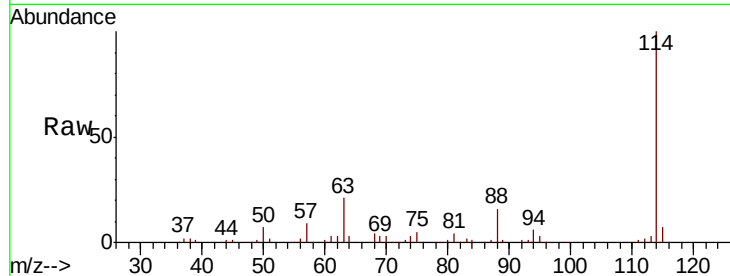




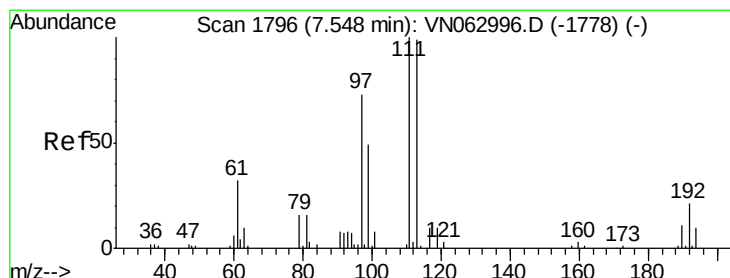
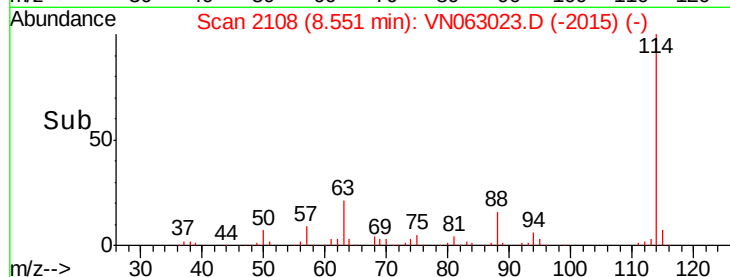
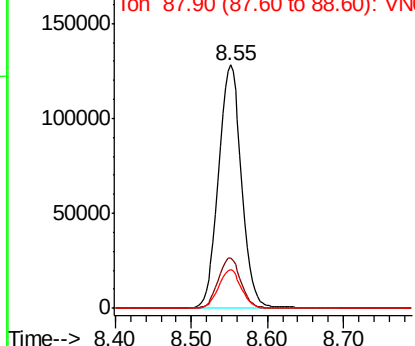
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.55 min Scan# 2108
 Delta R.T. 0.00 min
 Lab File: VN063023.D
 Acq: 19 Aug 2020 19:35

Instrument :
 MSVOA_N
 ClientSampleId :
 TB-02-200818

Tot Ion	Ratio	Lower	Upper
114	100		
63	20.7	0.0	43.2
88	15.9	0.0	30.6

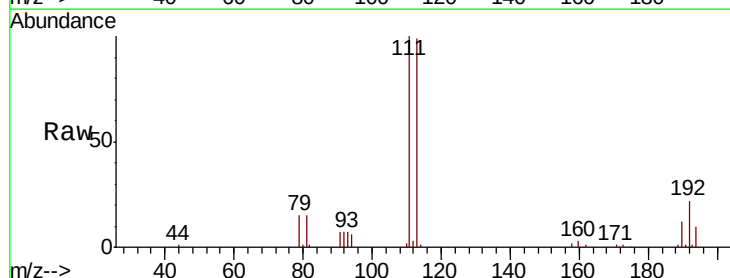


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): VN
 Ion 87.90 (87.60 to 88.60): VN

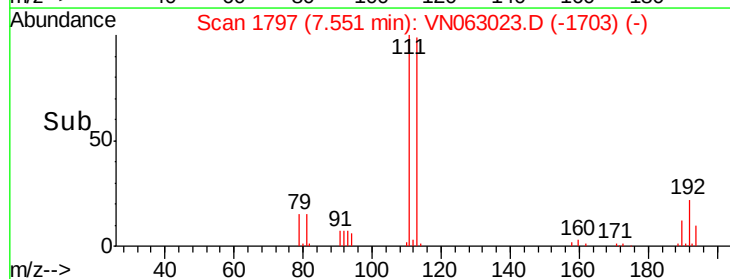
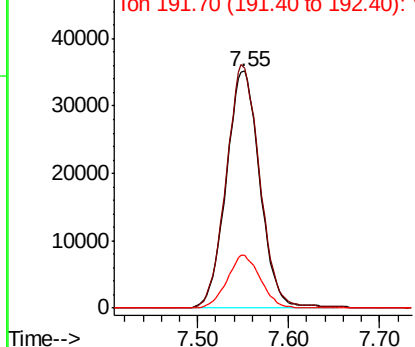


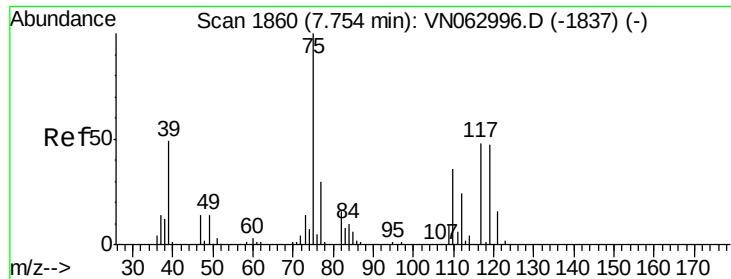
#35
 Dibromofluoromethane
 Concen: 51.242 ug/l
 RT: 7.55 min Scan# 1797
 Delta R.T. 0.00 min
 Lab File: VN063023.D
 Acq: 19 Aug 2020 19:35

Tgt Ion	Ratio	Lower	Upper
113	100		
111	102.4	81.7	122.5
192	22.0	17.5	26.3



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: 4.673 ug/l

RT: 7.63 min Scan# 1820

Delta R.T. -0.13 min

Lab File: VN063023.D

Acq: 19 Aug 2020 19:35

Instrument :

MSVOA_N

ClientSampleId :

TB-02-200818

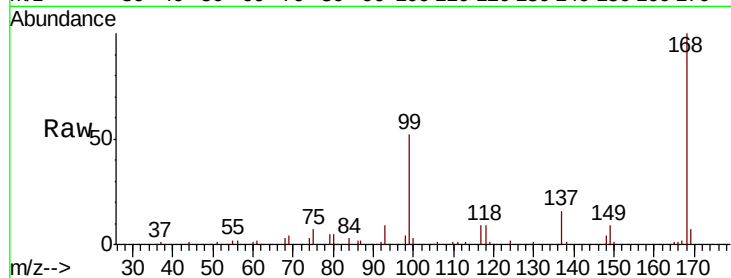
Tot Ion: 75 Resp: 11117

Ion Ratio Lower Upper

75 100

110 7.4 17.5 52.6#

77 0.0 24.2 36.4#

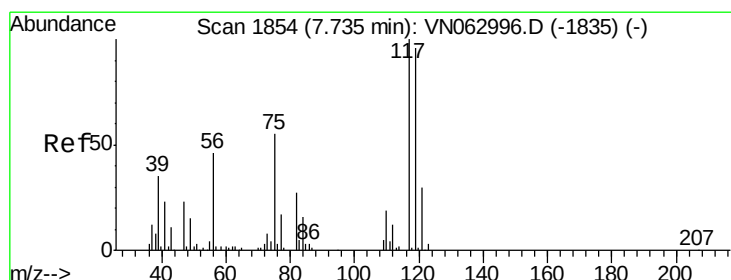
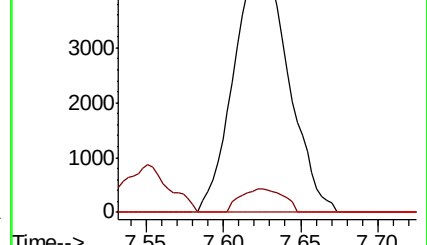
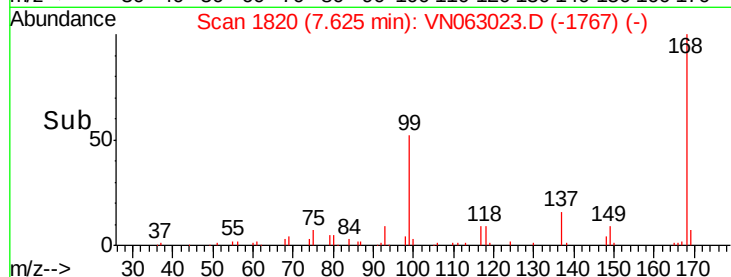


Abundance Ion 74.90 (74.60 to 75.60): VN062996.D (-1837) (-)

Ion 109.90 (109.60 to 110.60): VN062996.D (-1837) (-)

Ion 76.90 (76.60 to 77.60): VN062996.D (-1837) (-)

Time-->



#38

Carbon Tetrachloride

Concen: 5.885 ug/l

RT: 7.63 min Scan# 1820

Delta R.T. -0.11 min

Lab File: VN063023.D

Acq: 19 Aug 2020 19:35

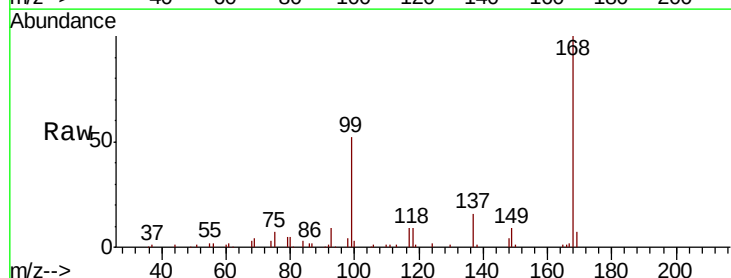
Tgt Ion: 117 Resp: 14133

Ion Ratio Lower Upper

117 100

119 7.0 76.2 114.4#

121 0.0 24.2 36.2#

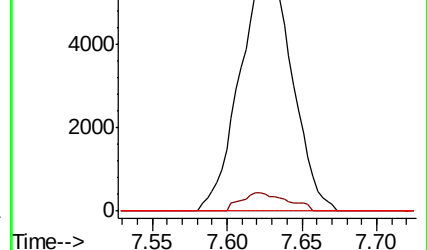
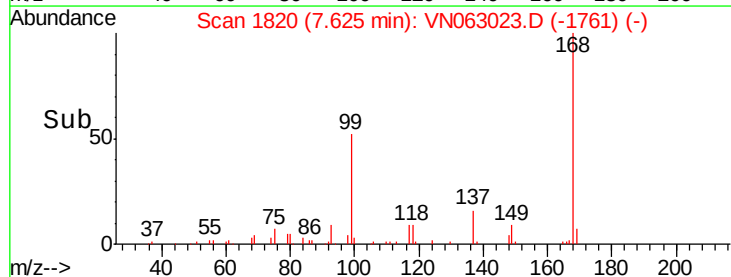


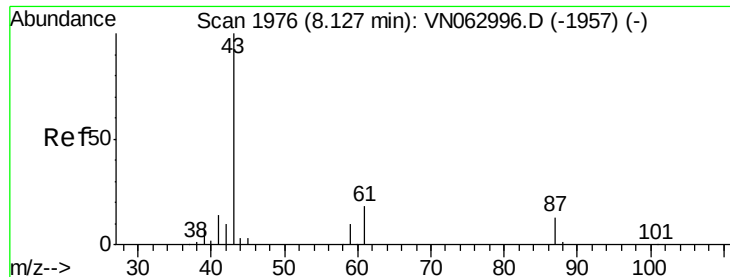
Abundance Ion 116.80 (116.50 to 117.50): VN062996.D (-1835) (-)

Ion 118.80 (118.50 to 119.50): VN062996.D (-1835) (-)

Ion 120.80 (120.50 to 121.50): VN062996.D (-1835) (-)

Time-->





#43

Isopropyl Acetate

Concen: 0.593 ug/l

RT: 8.23 min Scan# 2007

Delta R.T. 0.10 min

Lab File: VN063023.D

Acq: 19 Aug 2020 19:35

Instrument :

MSVOA_N

ClientSampleId :

TB-02-200818

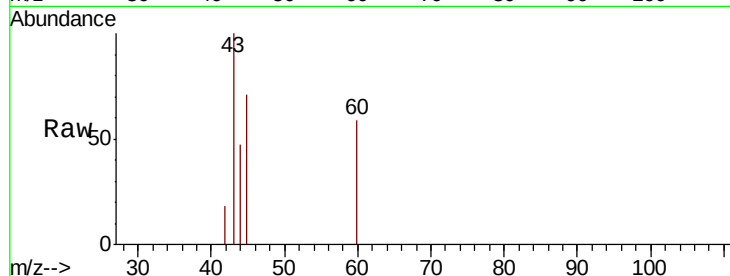
Tot Ion: 43 Resp: 2189

Ion Ratio Lower Upper

43 100

61 0.0 22.6 33.8#

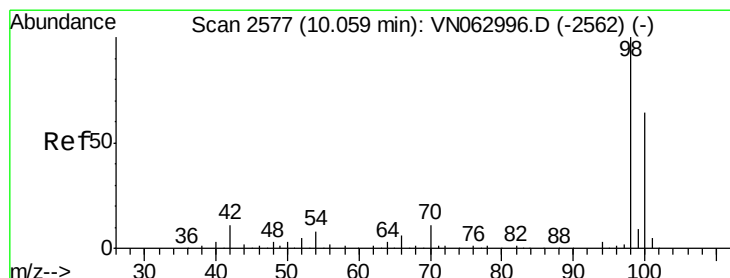
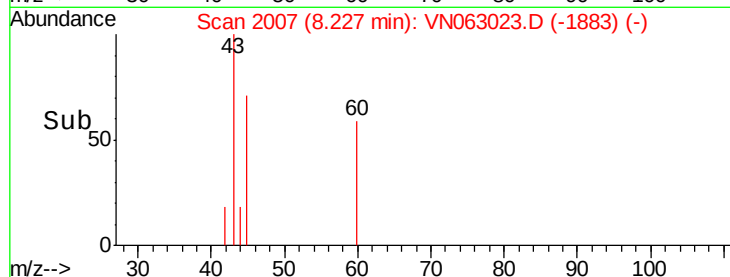
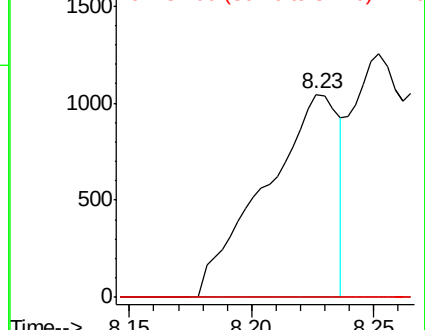
87 0.0 10.5 15.7#



Abundance Ion 43.00 (42.70 to 43.70): VN063023.D (-1883) (-)

Ion 61.00 (60.70 to 61.70): VN063023.D (-1883) (-)

Ion 87.00 (86.70 to 87.70): VN063023.D (-1883) (-)



#50

Toluene-d8

Concen: 50.889 ug/l

RT: 10.06 min Scan# 2577

Delta R.T. 0.00 min

Lab File: VN063023.D

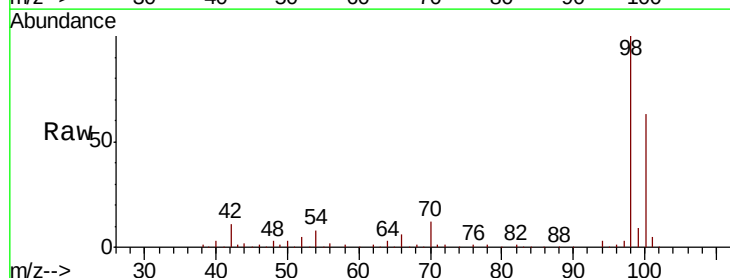
Acq: 19 Aug 2020 19:35

Tgt Ion: 98 Resp: 343812

Ion Ratio Lower Upper

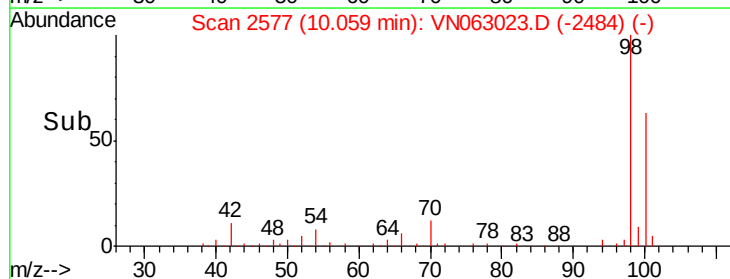
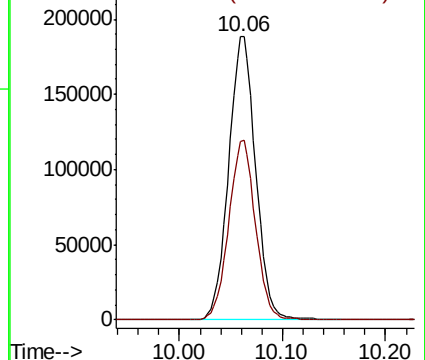
98 100

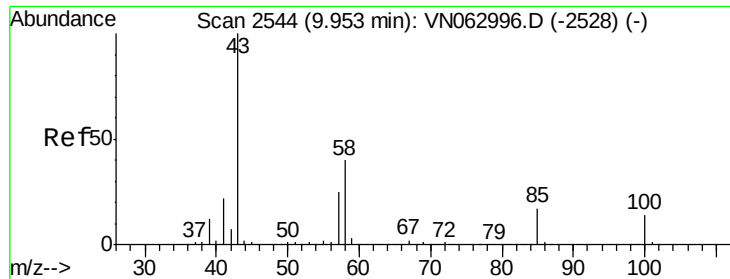
100 62.8 51.2 76.8



Abundance Ion 98.00 (97.70 to 98.70): VN063023.D (-2484) (-)

Ion 100.00 (99.70 to 100.70): VN063023.D (-2484) (-)





#51

4-Methyl-2-Pentanone

Concen: 0.201 ug/l

RT: 9.96 min Scan# 2546

Delta R.T. 0.01 min

Lab File: VN063023.D

Acq: 19 Aug 2020 19:35

Instrument :

MSVOA_N

ClientSampleId :

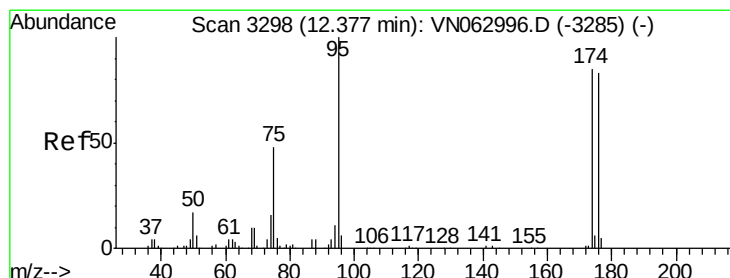
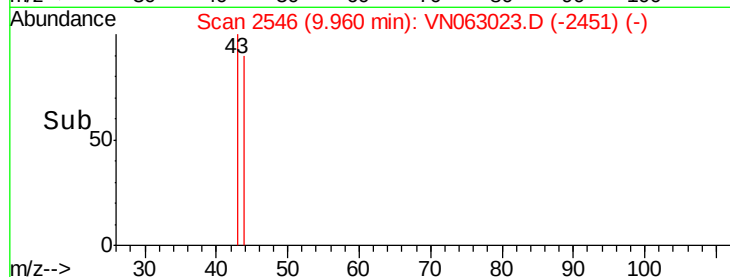
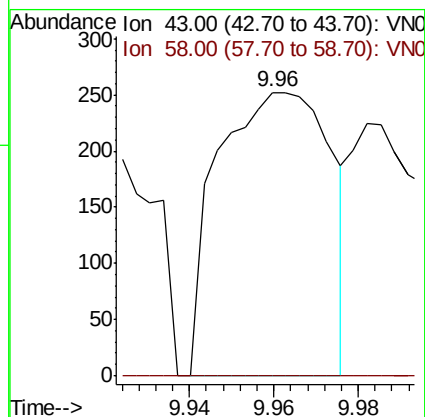
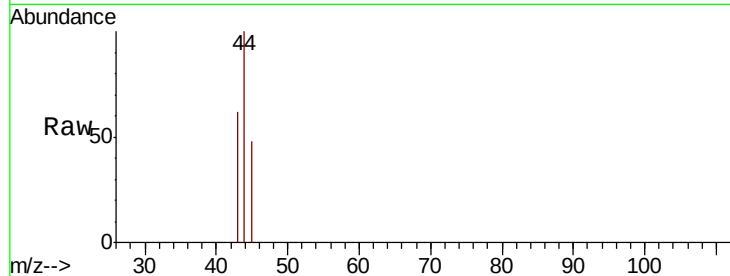
TB-02-200818

Tot Ion: 43 Resp: 469

Ion Ratio Lower Upper

43 100

58 0.0 32.2 48.2#



#62

4-Bromofluorobenzene

Concen: 48.143 ug/l

RT: 12.38 min Scan# 3298

Delta R.T. 0.00 min

Lab File: VN063023.D

Acq: 19 Aug 2020 19:35

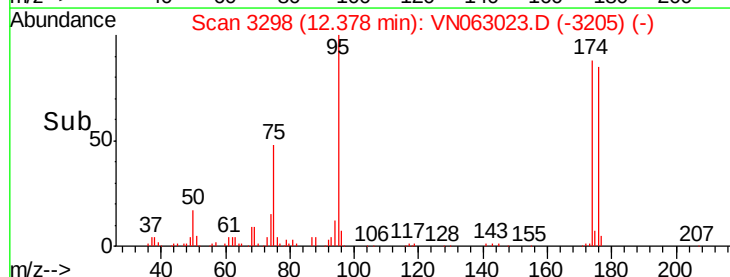
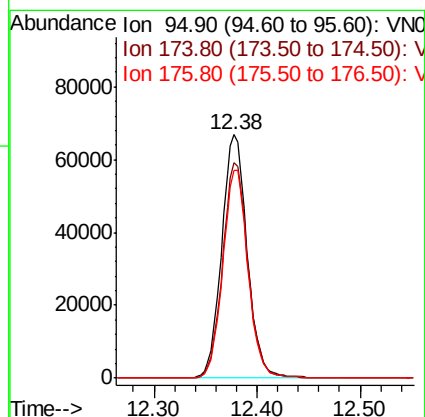
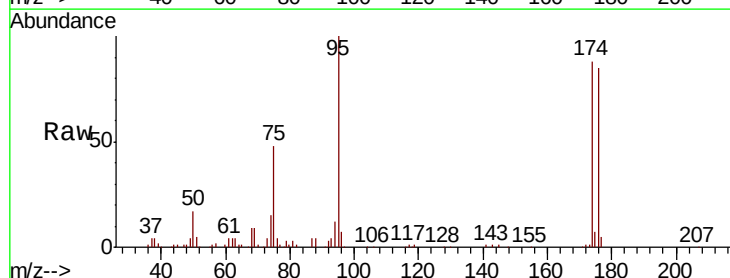
Tgt Ion: 95 Resp: 114778

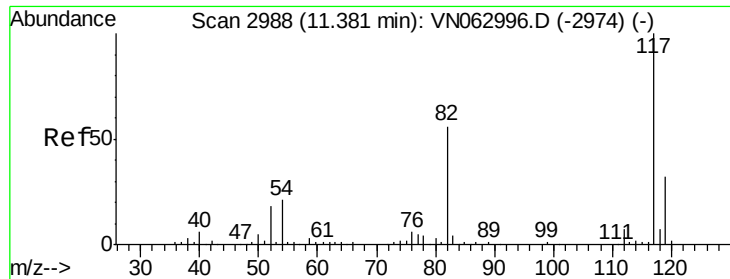
Ion Ratio Lower Upper

95 100

174 88.2 0.0 170.8

176 84.5 0.0 164.8

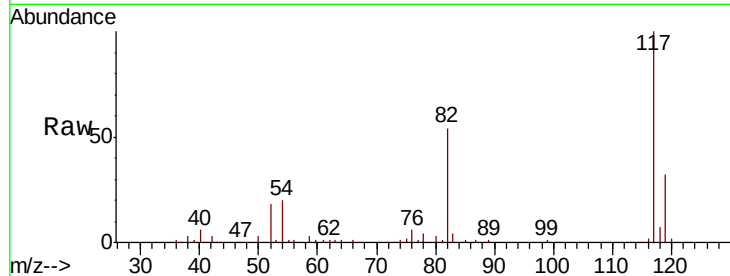




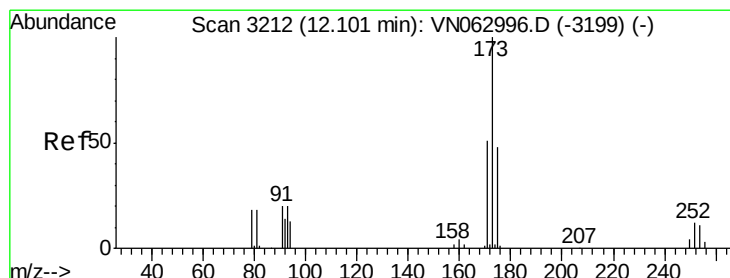
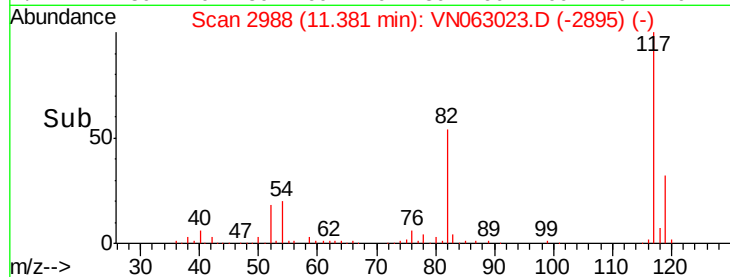
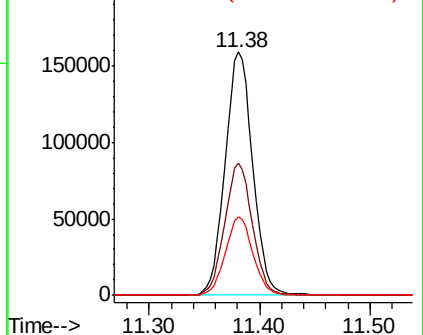
#63
 Chlorobenzene-d5
 Concen: 50.000 ug/l
 RT: 11.38 min Scan# 2988
 Delta R.T. 0.00 min
 Lab File: VN063023.D
 Acq: 19 Aug 2020 19:35

Instrument :
 MSVOA_N
 ClientSampleId :
 TB-02-200818

Tot Ion:117 Resp: 276830
 Ion Ratio Lower Upper
 117 100
 82 54.1 44.5 66.7
 119 32.1 25.5 38.3

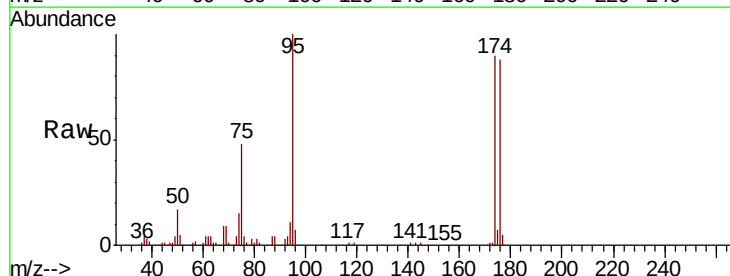


Abundance Ion 116.90 (116.60 to 117.60): V
 Ion 82.00 (81.70 to 82.70): V
 Ion 118.90 (118.60 to 119.60): V

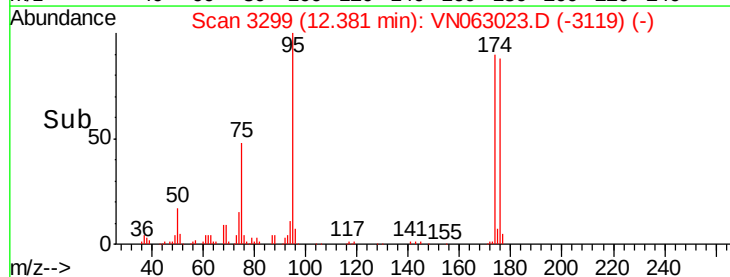
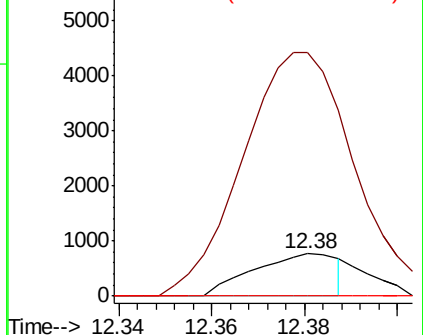


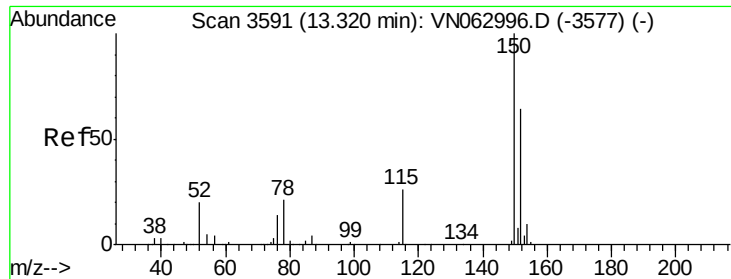
#71
 Bromoform
 Concen: 0.566 ug/l
 RT: 12.38 min Scan# 3299
 Delta R.T. 0.28 min
 Lab File: VN063023.D
 Acq: 19 Aug 2020 19:35

Tgt Ion:173 Resp: 974
 Ion Ratio Lower Upper
 173 100
 175 623.4 24.3 72.8#
 254 0.0 0.0 0.0



Abundance Ion 172.70 (172.40 to 173.40): V
 Ion 174.70 (174.40 to 175.40): V
 Ion 254.40 (254.10 to 255.10): V





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.32 min Scan# 3591

Delta R.T. 0.00 min

Lab File: VN063023.D

Acq: 19 Aug 2020 19:35

Instrument :

MSVOA_N

ClientSampleId :

TB-02-200818

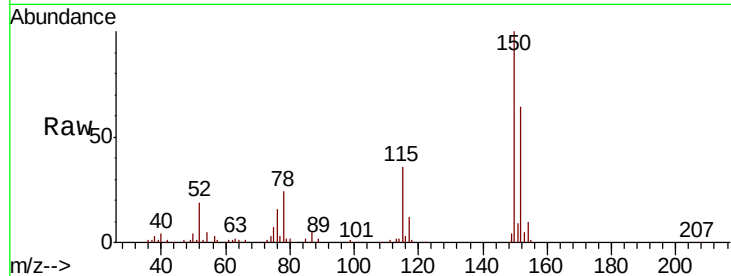
Tot Ion:152 Resp: 102670

Ion Ratio Lower Upper

152 100

115 55.8 28.7 86.3

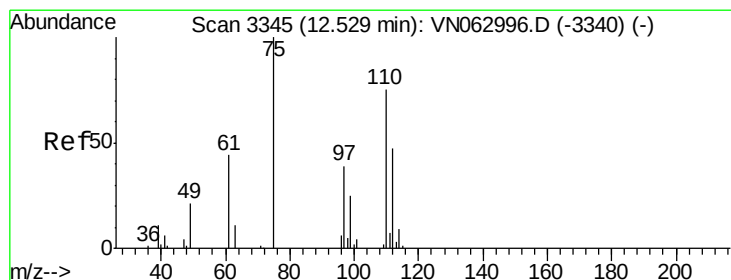
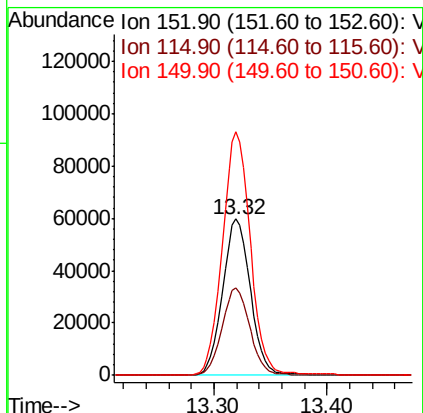
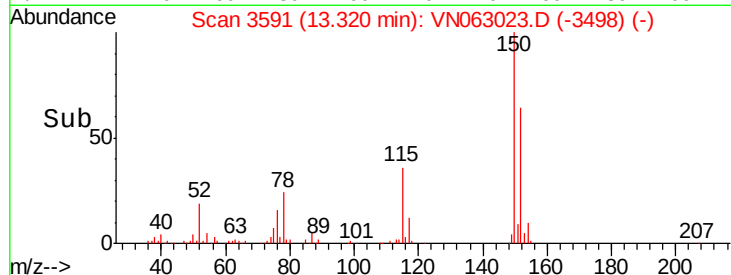
150 155.1 0.0 348.8



Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V



#76

1,2,3-Trichloropropane

Concen: 27.392 ug/l

RT: 12.38 min Scan# 3298

Delta R.T. -0.15 min

Lab File: VN063023.D

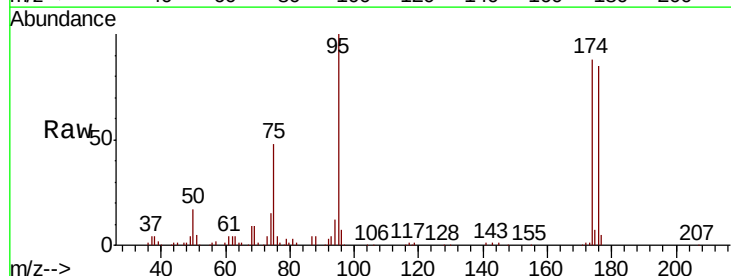
Acq: 19 Aug 2020 19:35

Tgt Ion: 75 Resp: 54666

Ion Ratio Lower Upper

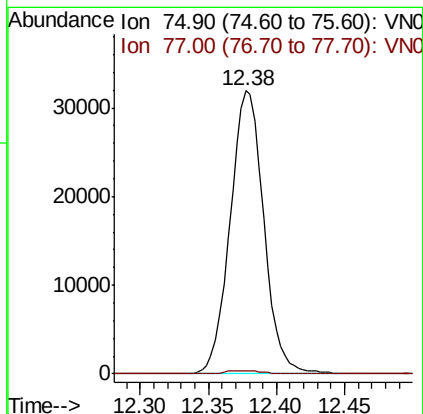
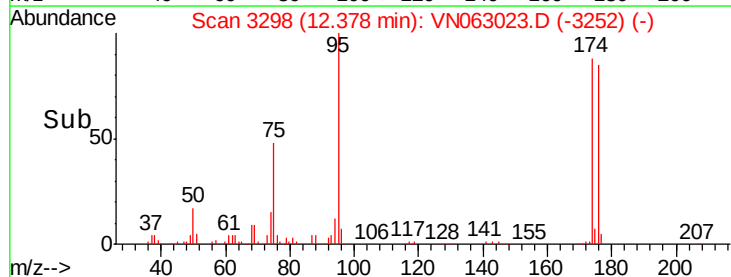
75 100

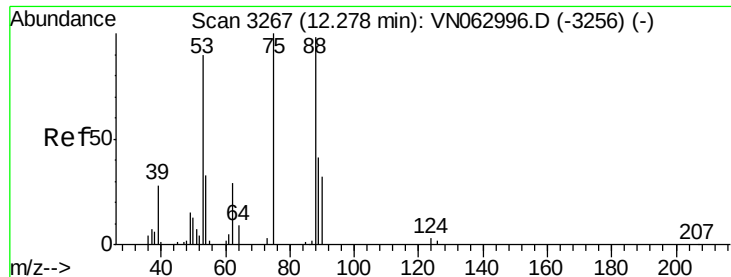
77 0.6 0.0 0.0#



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: 75.232 ug/l

RT: 12.38 min Scan# 3298

Delta R.T. 0.10 min

Lab File: VN063023.D

Acq: 19 Aug 2020 19:35

Instrument :

MSVOA_N

ClientSampleId :

TB-02-200818

Tot Ion: 75 Resp: 54666

Ion Ratio Lower Upper

75 100

53 0.0 69.2 103.8#

89 0.0 34.2 51.4#

