

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN082120\
 Data File : VN063081.D
 Acq On : 21 Aug 2020 15:27
 Operator : JC/MD
 Sample : L3720-10
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 FB

Quant Time: Aug 22 01:22:44 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	134991	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.55	114	223884	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	237268	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	102843	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	89903	56.19	ug/l	0.00
Spiked Amount			Recovery	=	112.38%	
35) Dibromofluoromethane	7.55	113	78235	53.63	ug/l	0.00
Spiked Amount			Recovery	=	107.26%	
50) Toluene-d8	10.06	98	287919	51.38	ug/l	0.00
Spiked Amount			Recovery	=	102.76%	
62) 4-Bromofluorobenzene	12.38	95	107547	54.39	ug/l	0.00
Spiked Amount			Recovery	=	108.78%	

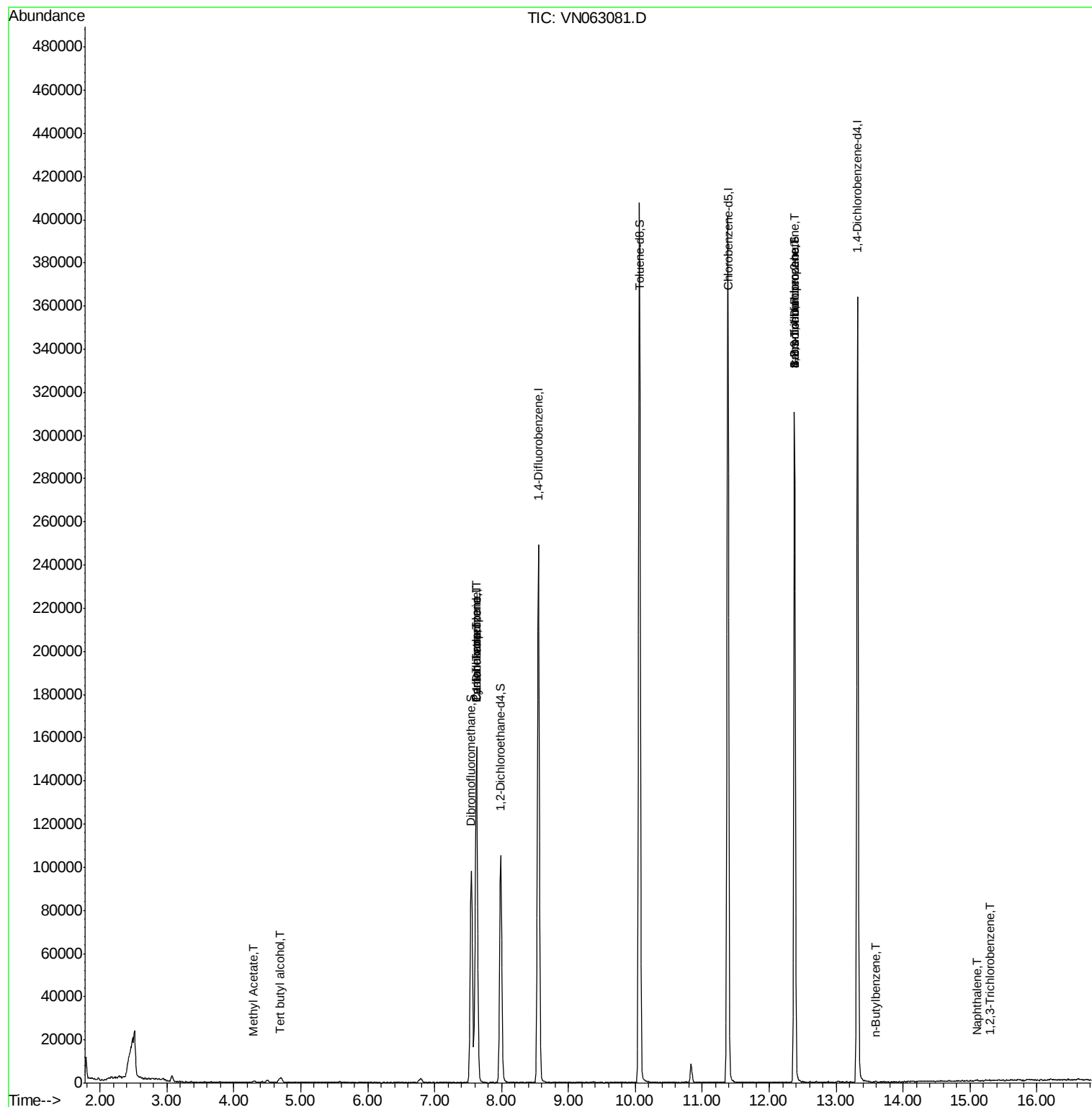
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	4.69	59	2446	10.793	ug/l #	74
16) Acetone	3.79	43	65	Below Cal	#	40
18) Methyl Acetate	4.29	43	681	0.428	ug/l #	52
20) Methylene Chloride	4.50	84	735	Below Cal	#	75
31) Cyclohexane	7.62	56	2412	1.023	ug/l #	1
36) 1,1-Dichloropropene	7.63	75	9913	5.024	ug/l #	48
38) Carbon Tetrachloride	7.63	117	12138	6.094	ug/l #	17
71) Bromoform	12.38	173	924	0.626	ug/l #	1
76) 1,2,3-Trichloropropane	12.38	75	51669	25.847	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.38	75	51669	70.987	ug/l #	15
89) n-Butylbenzene	13.59	91	358	2.831	ug/l #	34
95) Naphthalene	15.12	128	239	5.694	ug/l #	69
96) 1,2,3-Trichlorobenzene	15.29	180	153	4.046	ug/l #	75

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

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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: VN063081.D

Acq: 21 Aug 2020 15:27

Instrument :

MSVOA_N

ClientSampled :

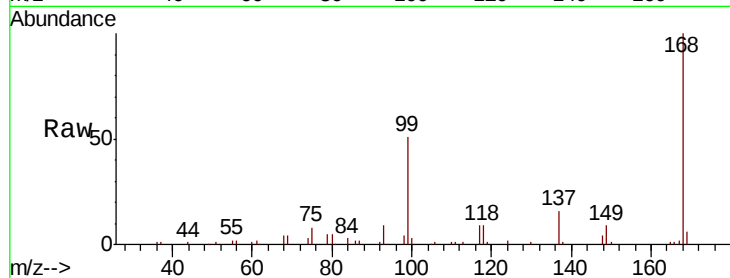
FB

Tot Ion:168 Resp: 134991

Ion Ratio Lower Upper

168 100

99 51.5 42.0 63.0



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN0

60000

50000

40000

30000

20000

10000

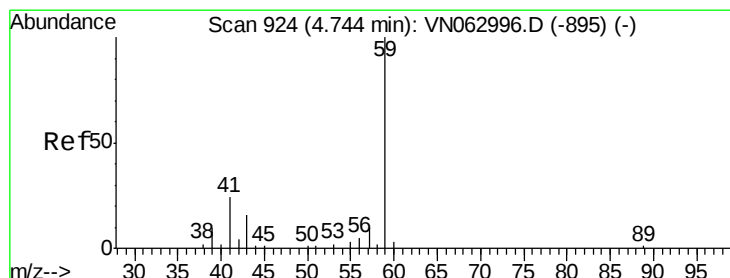
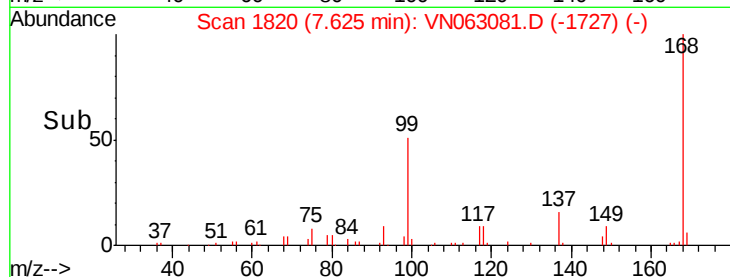
0

7.50

7.60

7.70

Time-->



#11

Tert butyl alcohol

Concen: 10.793 ug/l

RT: 4.69 min Scan# 906

Delta R.T. -0.06 min

Lab File: VN063081.D

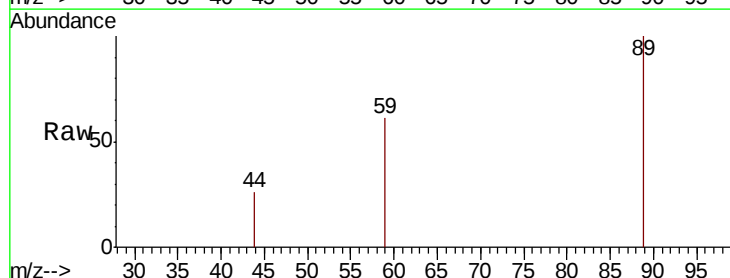
Acq: 21 Aug 2020 15:27

Tgt Ion: 59 Resp: 2446

Ion Ratio Lower Upper

59 100

57 0.0 7.8 11.6#



Abundance Ion 59.00 (58.70 to 59.70): VN0

Ion 57.00 (56.70 to 57.70): VN0

800

600

400

200

0

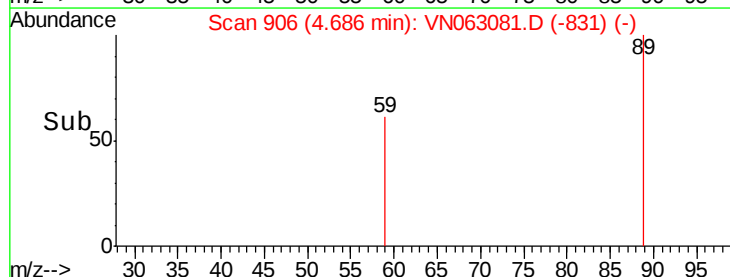
4.60

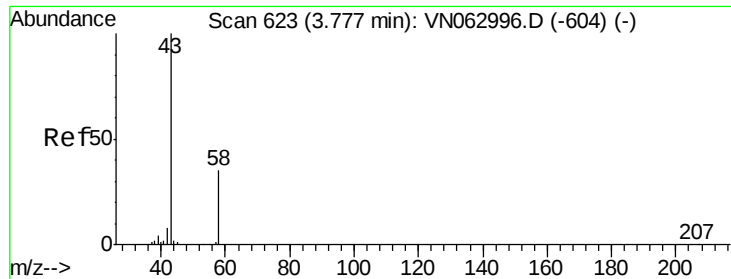
4.65

4.70

4.75

Time-->





#16

Acetone

Concen: Below Cal

RT: 3.79 min Scan# 627

Delta R.T. 0.01 min

Lab File: VN063081.D

Acq: 21 Aug 2020 15:27

Instrument :

MSVOA_N

ClientSampleId :

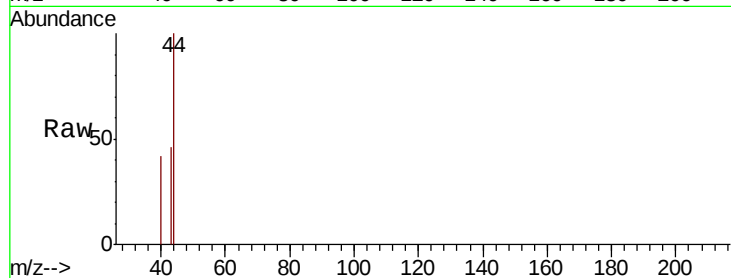
FB

Tot Ion: 43 Resp: 65

Ion Ratio Lower Upper

43 100

58 0.0 27.8 41.6#



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0

3.79

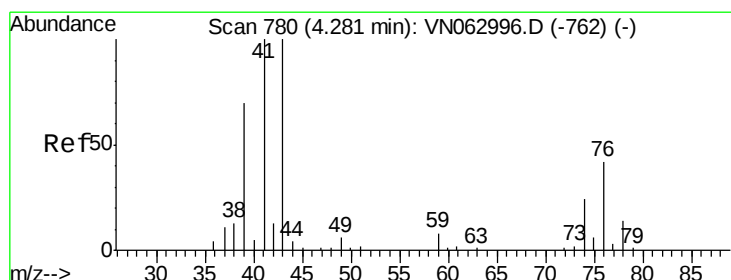
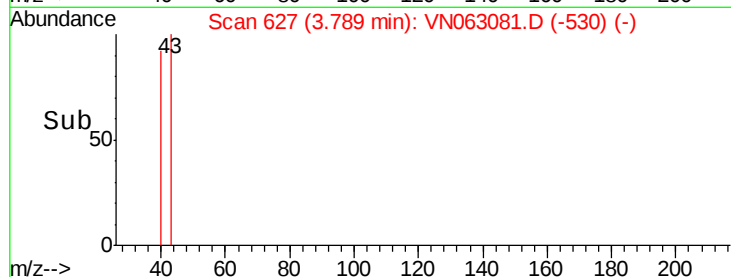
150

100

50

0

Time-->



#18

Methyl Acetate

Concen: 0.428 ug/l

RT: 4.29 min Scan# 784

Delta R.T. 0.01 min

Lab File: VN063081.D

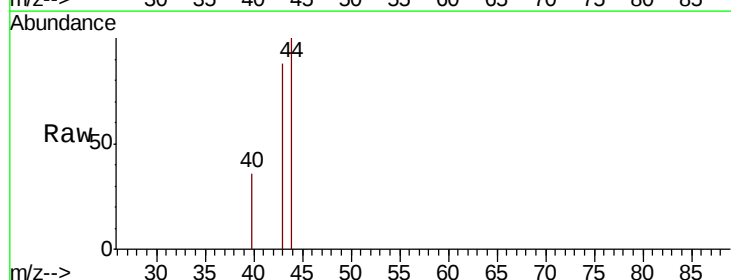
Acq: 21 Aug 2020 15:27

Tgt Ion: 43 Resp: 681

Ion Ratio Lower Upper

43 100

74 0.0 18.6 28.0#



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 74.00 (73.70 to 74.70): VN0

4.29

400

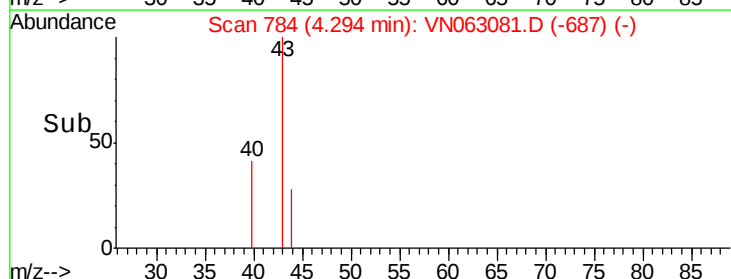
300

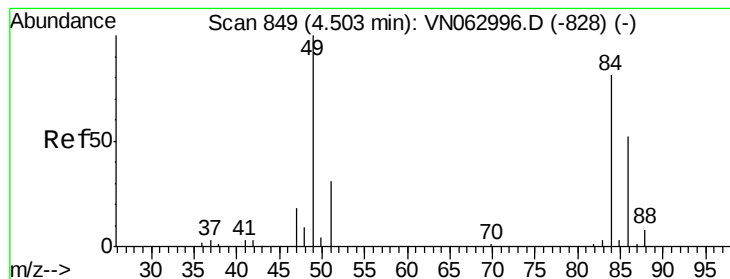
200

100

0

Time-->





#20

Methylene Chloride

Concen: Below Cal

RT: 4.50 min Scan# 848

Delta R.T. -0.00 min

Lab File: VN063081.D

Acq: 21 Aug 2020 15:27

Instrument :

MSVOA_N

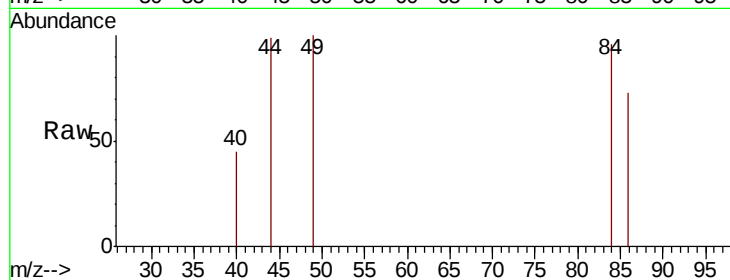
ClientSampled :

FB

Tot Ion: 84 Resp: 735

Ion Ratio Lower Upper

84	100		
49	104.0	98.7	148.1
51	0.0	30.8	46.2#
86	76.2	51.2	76.8

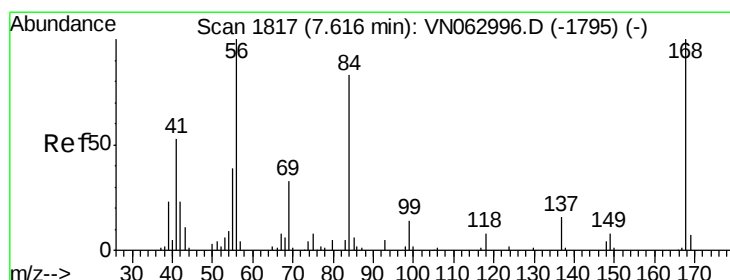
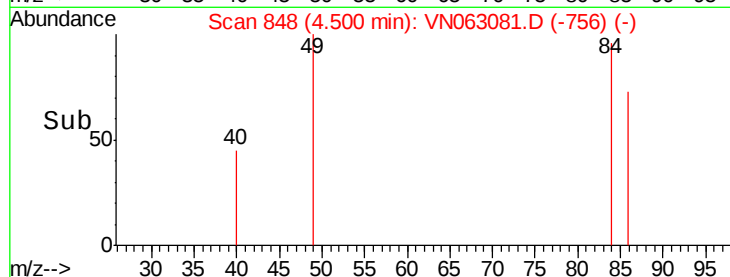
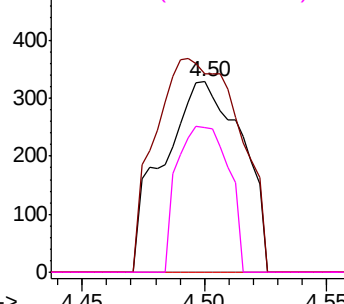


Abundance Ion 83.90 (83.60 to 84.60): VNC

Ion 48.90 (48.60 to 49.60): VNC

Ion 50.90 (50.60 to 51.60): VNC

Ion 85.90 (85.60 to 86.60): VNC



#31

Cyclohexane

Concen: 1.023 ug/l

RT: 7.62 min Scan# 1819

Delta R.T. 0.01 min

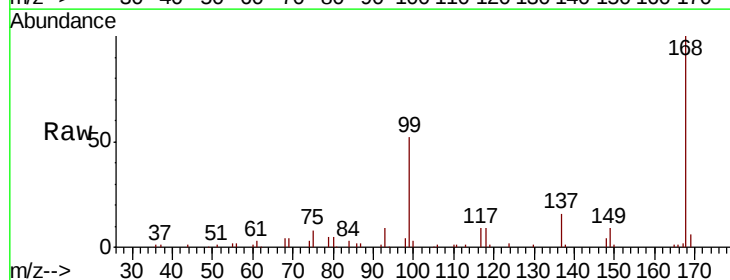
Lab File: VN063081.D

Acq: 21 Aug 2020 15:27

Tgt Ion: 56 Resp: 2412

Ion Ratio Lower Upper

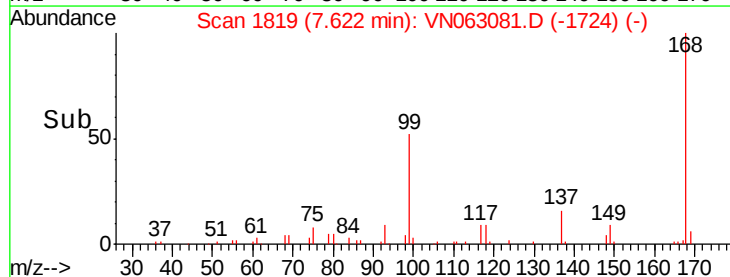
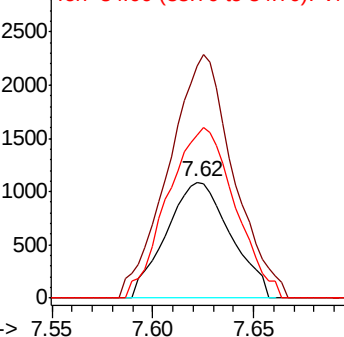
56	100		
69	183.7	26.6	40.0#
84	141.0	66.4	99.6#

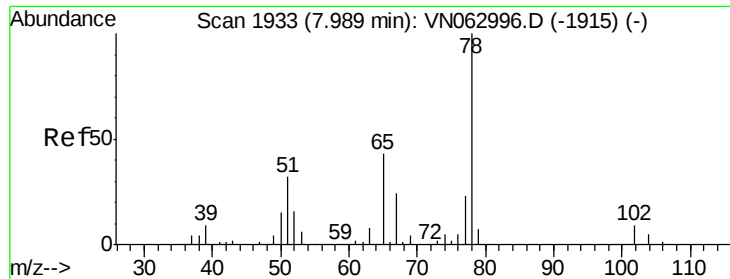


Abundance Ion 56.00 (55.70 to 56.70): VNC

Ion 69.00 (68.70 to 69.70): VNC

Ion 84.00 (83.70 to 84.70): VNC





#33

1,2-Dichloroethane-d4

Concen: 56.193 ug/l

RT: 7.99 min Scan# 1932

Delta R.T. -0.00 min

Lab File: VN063081.D

Acq: 21 Aug 2020 15:27

Instrument :

MSVOA_N

ClientSampleId :

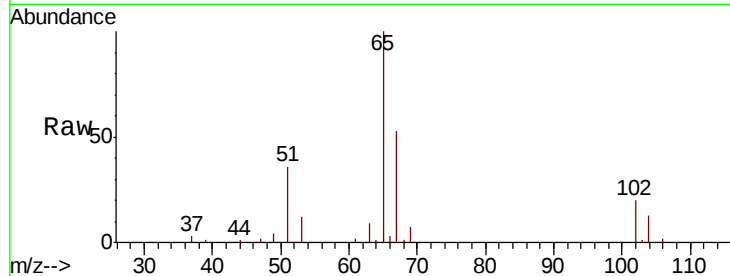
FB

Tot Ion: 65 Resp: 89903

Ion Ratio Lower Upper

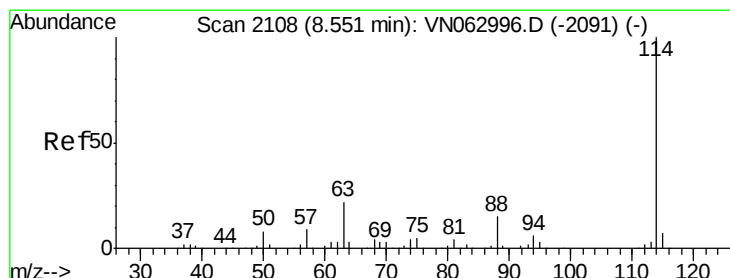
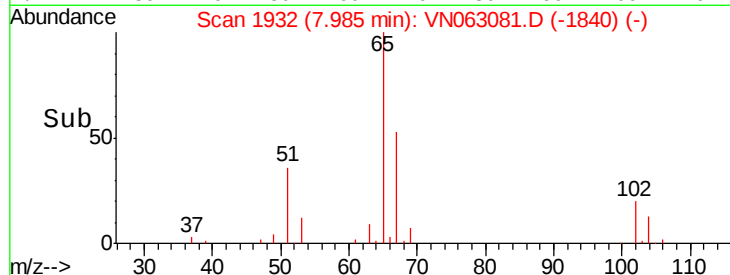
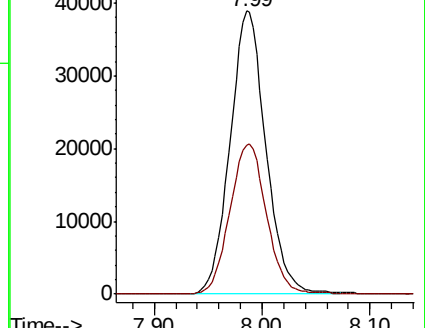
65 100

67 54.3 0.0 112.0



Abundance Ion 64.90 (64.60 to 65.60): VN062996.D (-1915) (-)

Ion 66.90 (66.60 to 67.60): VN062996.D (-1915) (-)



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.55 min Scan# 2108

Delta R.T. 0.00 min

Lab File: VN063081.D

Acq: 21 Aug 2020 15:27

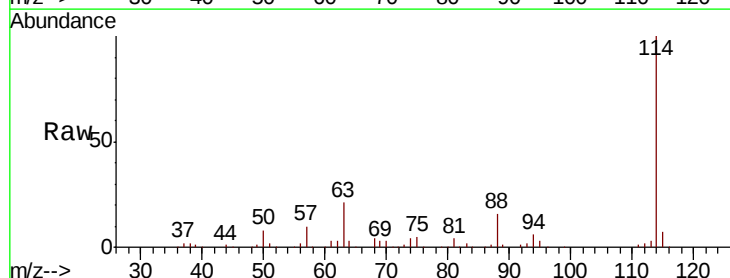
Tgt Ion: 114 Resp: 223884

Ion Ratio Lower Upper

114 100

63 21.0 0.0 43.2

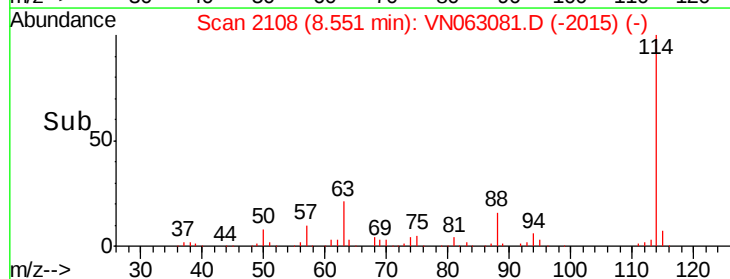
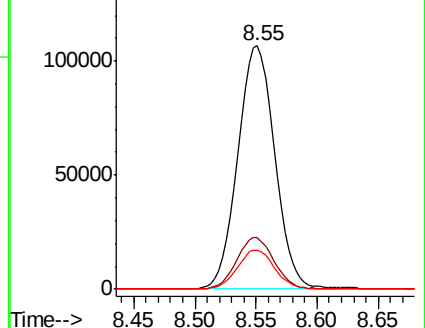
88 16.1 0.0 30.6

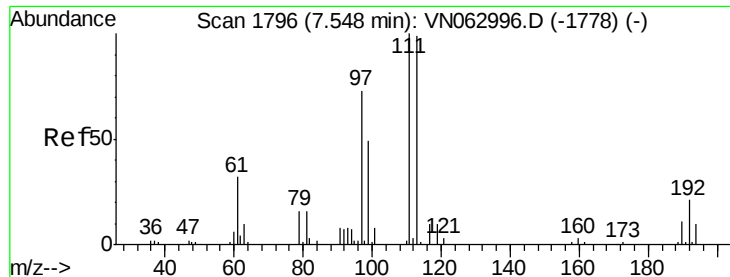


Abundance Ion 113.90 (113.60 to 114.60): VN062996.D (-2091) (-)

Ion 63.00 (62.70 to 63.70): VN062996.D (-2091) (-)

Ion 87.90 (87.60 to 88.60): VN062996.D (-2091) (-)

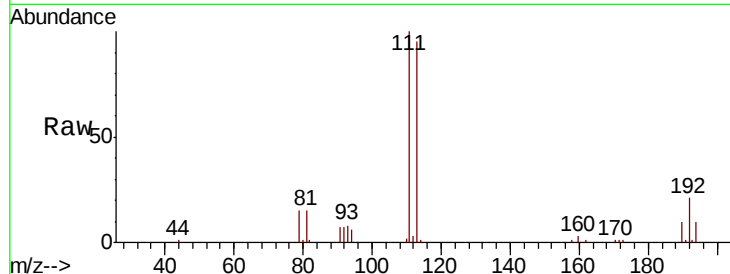




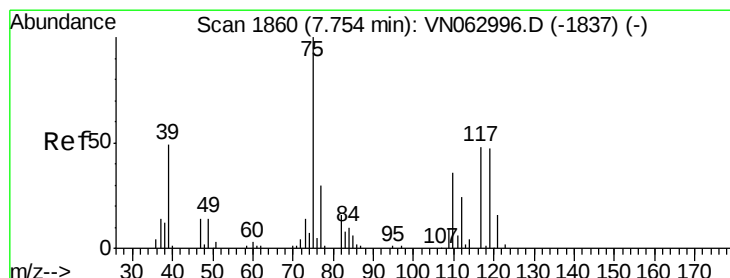
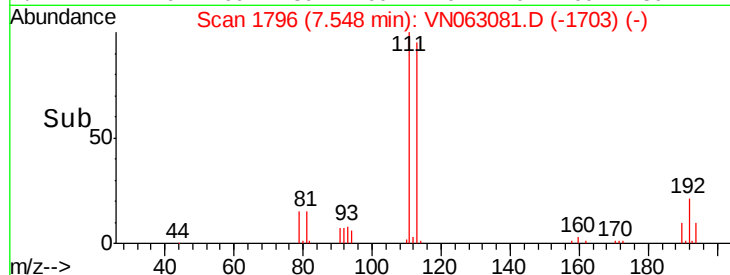
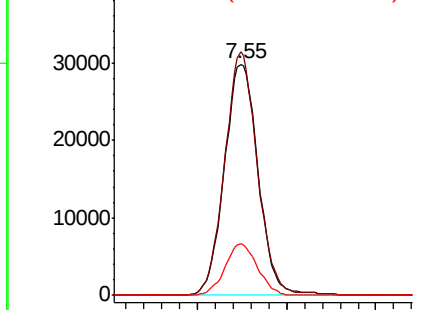
#35
 Dibromofluoromethane
 Concen: 53.629 ug/l
 RT: 7.55 min Scan# 1796
 Delta R.T. 0.00 min
 Lab File: VN063081.D
 Acq: 21 Aug 2020 15:27

Instrument :
 MSVOA_N
 ClientSampleId :
 FB

Tot Ion	Ratio	Lower	Upper
113	100		
111	101.7	81.7	122.5
192	21.3	17.5	26.3

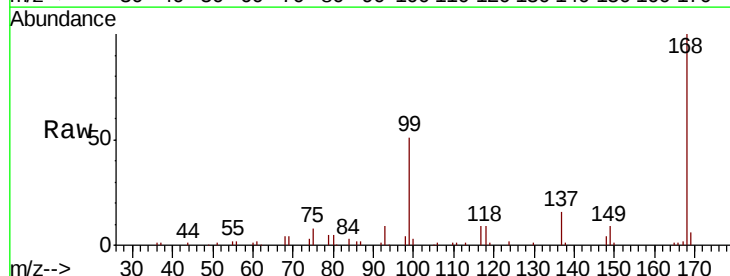


Abundance Ion 112.80 (112.50 to 113.50): V
 Ion 110.80 (110.50 to 111.50): V
 Ion 191.70 (191.40 to 192.40): V

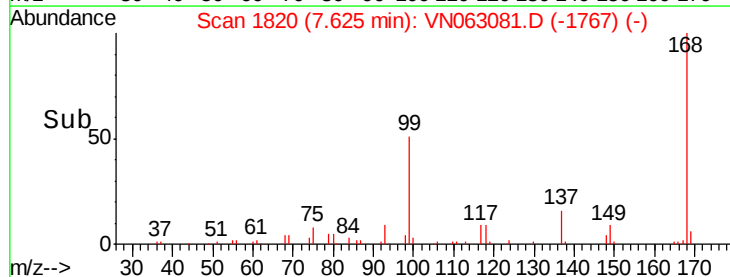
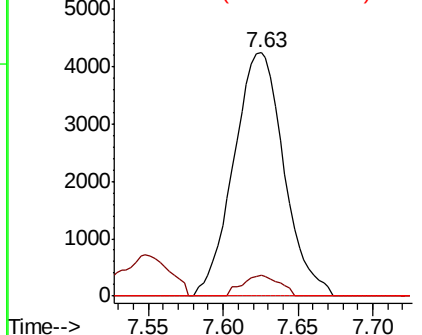


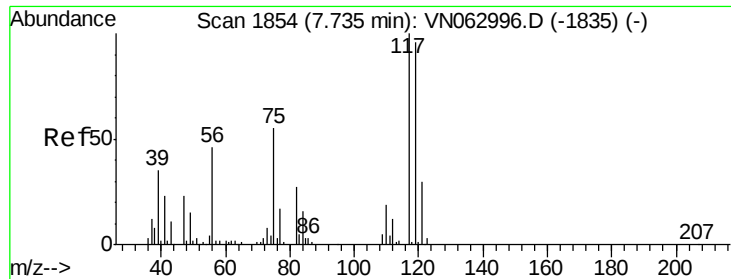
#36
 1,1-Dichloropropene
 Concen: 5.024 ug/l
 RT: 7.63 min Scan# 1820
 Delta R.T. -0.13 min
 Lab File: VN063081.D
 Acq: 21 Aug 2020 15:27

Tgt Ion	Ratio	Lower	Upper
75	100		
110	6.3	17.5	52.6#
77	0.0	24.2	36.4#



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

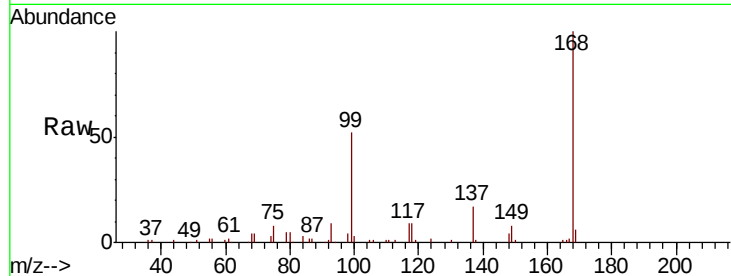




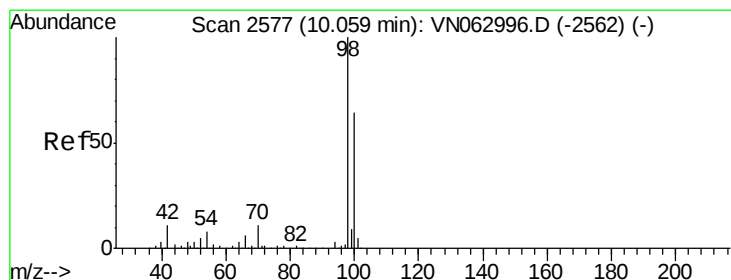
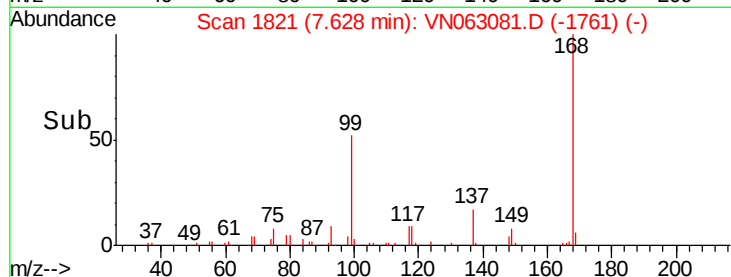
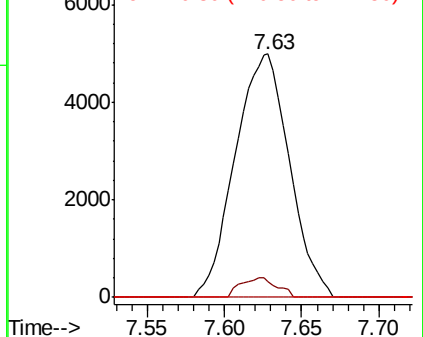
#38
Carbon Tetrachloride
Concen: 6.094 ug/l
RT: 7.63 min Scan# 1821
Delta R.T. -0.11 min
Lab File: VN063081.D
Acq: 21 Aug 2020 15:27

Instrument :
MSVOA_N
ClientSampleId :
FB

Tot Ion:117 Resp: 12138
Ion Ratio Lower Upper
117 100
119 6.7 76.2 114.4#
121 0.0 24.2 36.2#

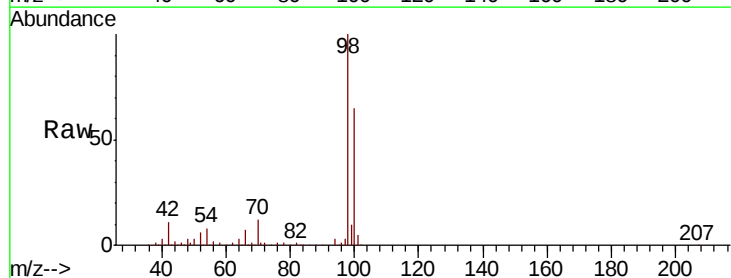


Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V

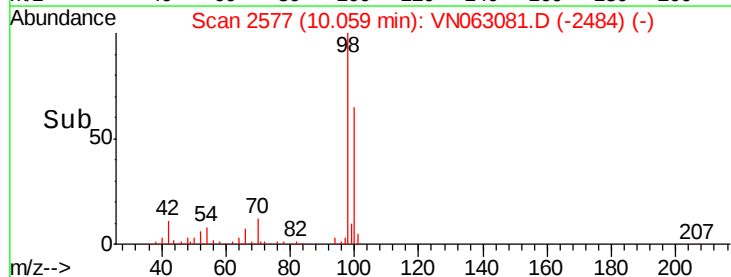
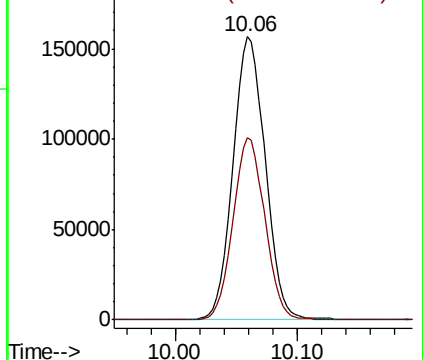


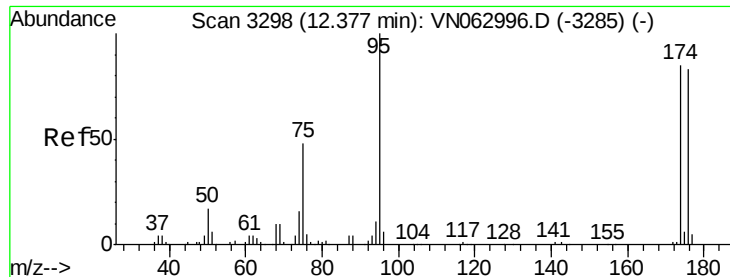
#50
Toluene-d8
Concen: 51.383 ug/l
RT: 10.06 min Scan# 2577
Delta R.T. 0.00 min
Lab File: VN063081.D
Acq: 21 Aug 2020 15:27

Tgt Ion: 98 Resp: 287919
Ion Ratio Lower Upper
98 100
100 63.6 51.2 76.8



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





#62

4-Bromofluorobenzene

Concen: 54.389 ug/l

RT: 12.38 min Scan# 3298

Delta R.T. 0.00 min

Lab File: VN063081.D

Acq: 21 Aug 2020 15:27

Instrument :

MSVOA_N

ClientSampled :

FB

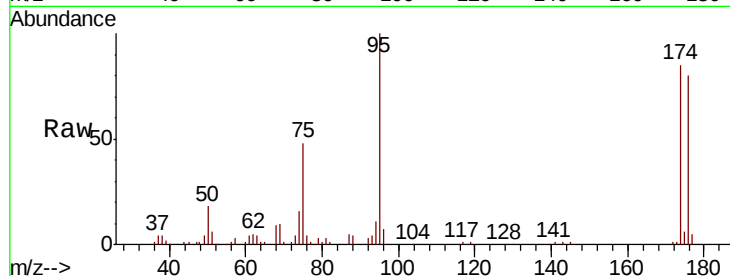
Tot Ion: 95 Resp: 107547

Ion Ratio Lower Upper

95 100

174 86.3 0.0 170.8

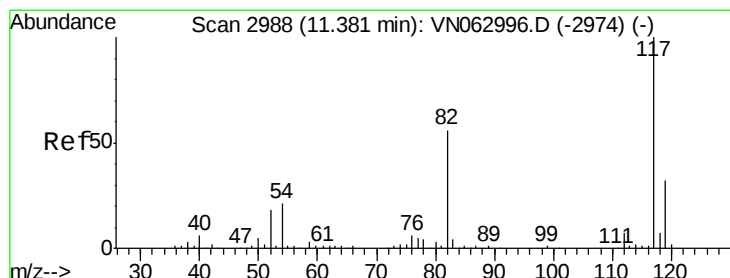
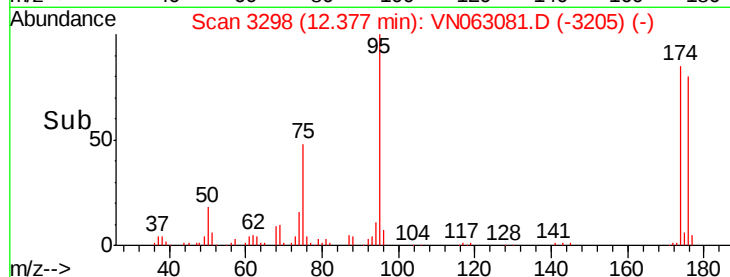
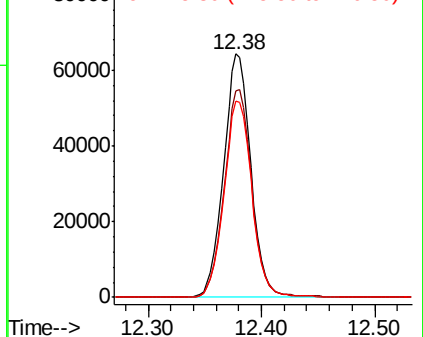
176 82.5 0.0 164.8



Abundance Ion 94.90 (94.60 to 95.60): VN062996.D (-3285) (-)

Ion 173.80 (173.50 to 174.50): VN062996.D (-3285) (-)

Ion 175.80 (175.50 to 176.50): VN062996.D (-3285) (-)



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.38 min Scan# 2988

Delta R.T. 0.00 min

Lab File: VN063081.D

Acq: 21 Aug 2020 15:27

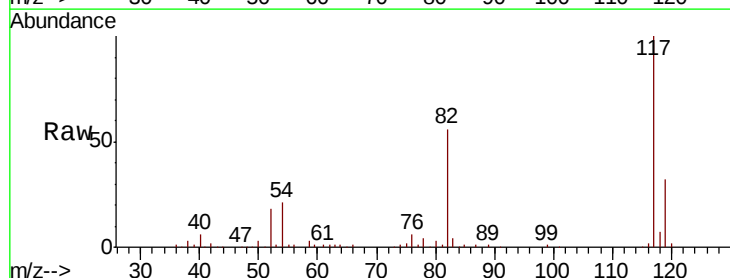
Tgt Ion: 117 Resp: 237268

Ion Ratio Lower Upper

117 100

82 56.4 44.5 66.7

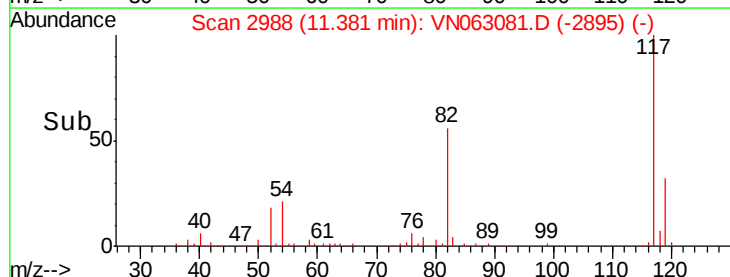
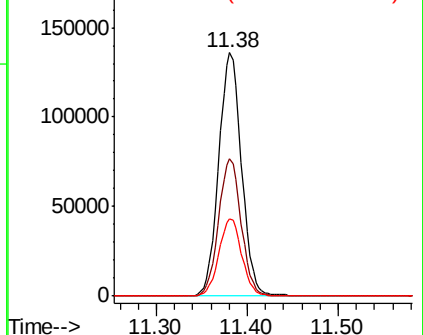
119 31.7 25.5 38.3

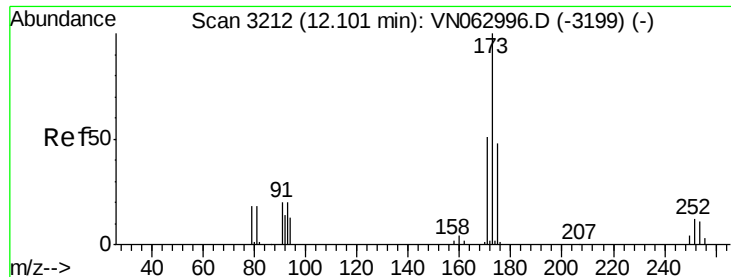


Abundance Ion 116.90 (116.60 to 117.60): VN062996.D (-2974) (-)

Ion 82.00 (81.70 to 82.70): VN062996.D (-2974) (-)

Ion 118.90 (118.60 to 119.60): VN062996.D (-2974) (-)





#71

Bromoform

Concen: 0.626 ug/l

RT: 12.38 min Scan# 3299

Delta R.T. 0.28 min

Lab File: VN063081.D

Acq: 21 Aug 2020 15:27

Instrument :

MSVOA_N

ClientSampled :

FB

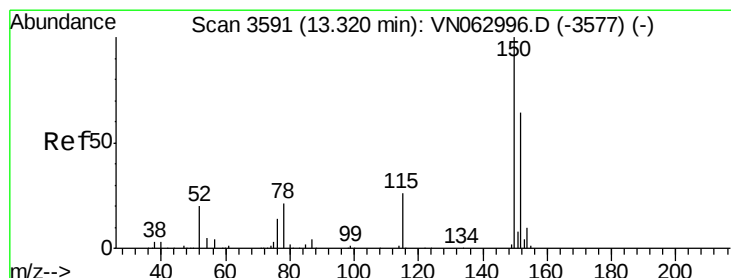
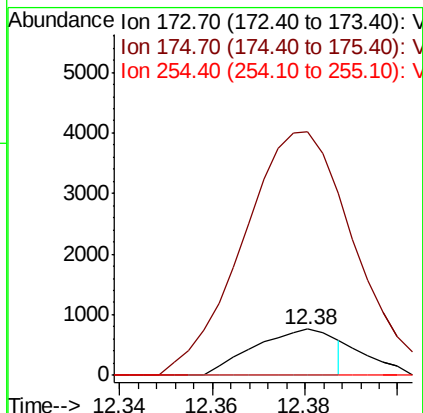
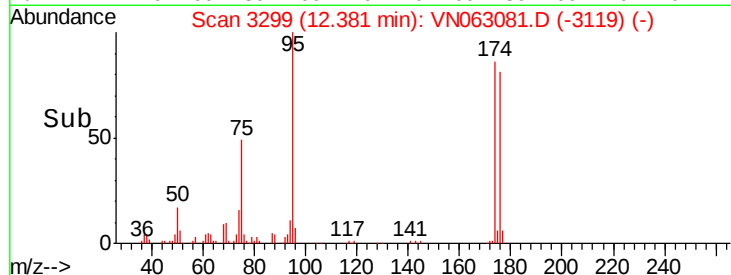
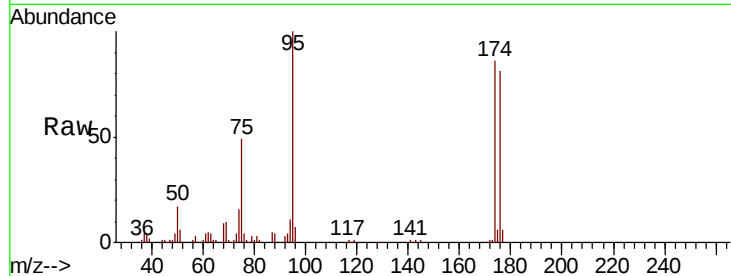
Tot Ion:173 Resp: 924

Ion Ratio Lower Upper

173 100

175 595.6 24.3 72.8#

254 0.0 0.0 0.0



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.32 min Scan# 3591

Delta R.T. 0.00 min

Lab File: VN063081.D

Acq: 21 Aug 2020 15:27

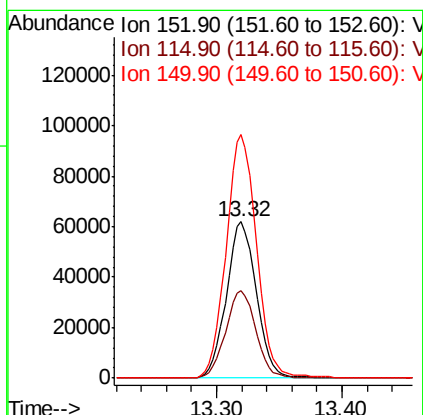
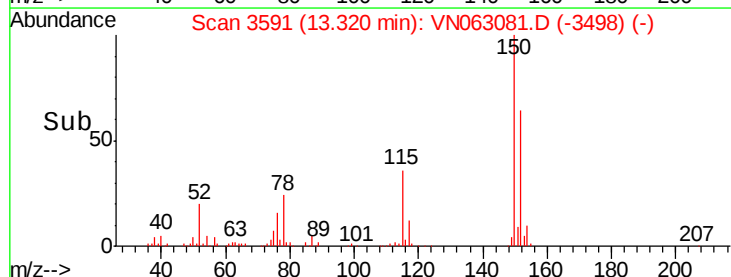
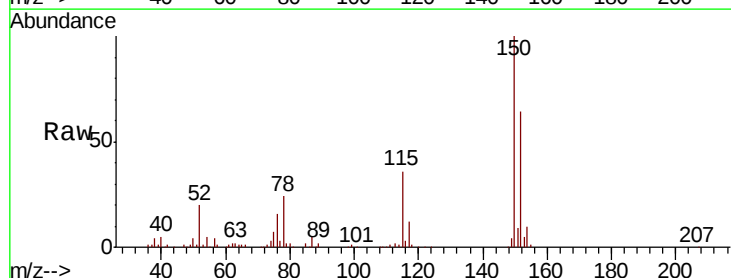
Tgt Ion:152 Resp: 102843

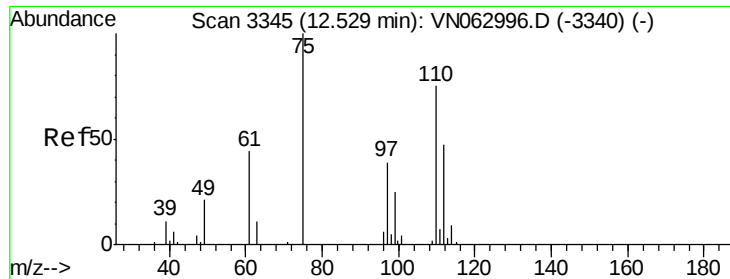
Ion Ratio Lower Upper

152 100

115 56.3 28.7 86.3

150 157.3 0.0 348.8





#76

1,2,3-Trichloropropane

Concen: 25.847 ug/l

RT: 12.38 min Scan# 3298

Delta R.T. -0.15 min

Lab File: VN063081.D

Acq: 21 Aug 2020 15:27

Instrument :

MSVOA_N

ClientSampleId :

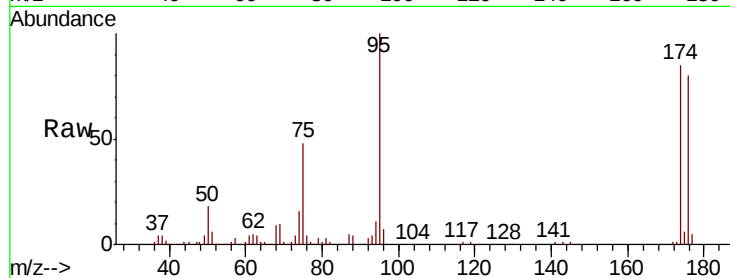
FB

Tot Ion: 75 Resp: 51669

Ion Ratio Lower Upper

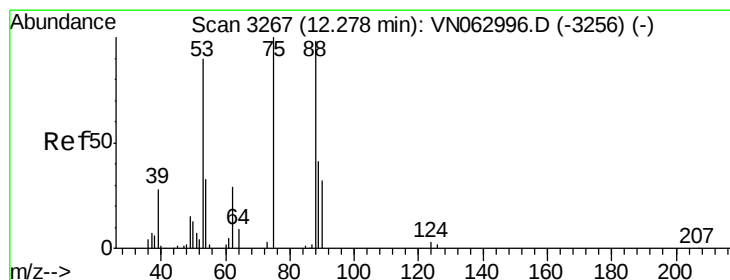
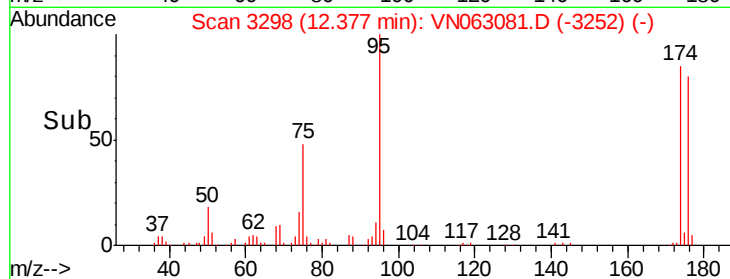
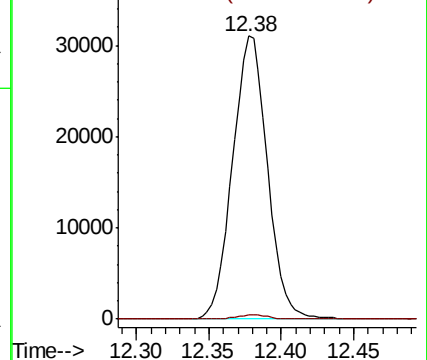
75 100

77 1.2 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: 70.987 ug/l

RT: 12.38 min Scan# 3298

Delta R.T. 0.10 min

Lab File: VN063081.D

Acq: 21 Aug 2020 15:27

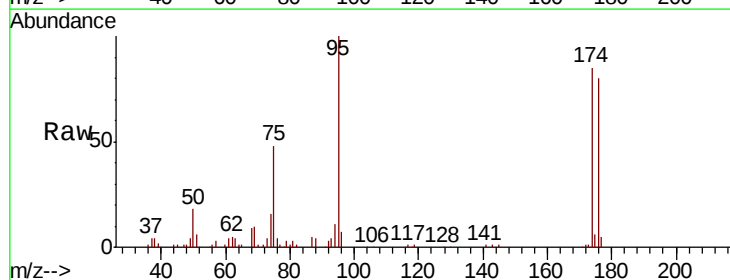
Tgt Ion: 75 Resp: 51669

Ion Ratio Lower Upper

75 100

53 0.0 69.2 103.8#

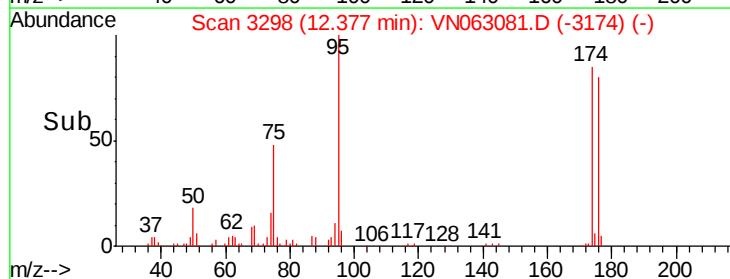
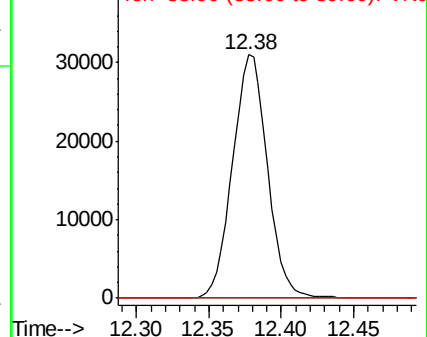
89 0.0 34.2 51.4#

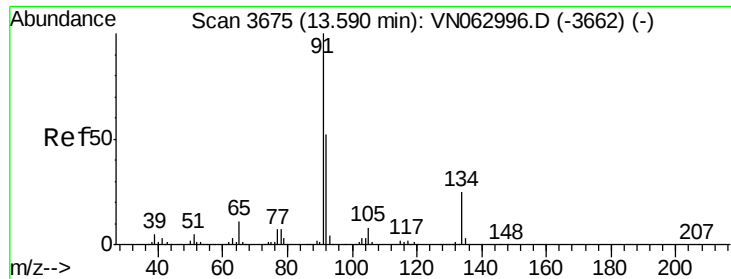


Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 53.00 (52.70 to 53.70): VN0

Ion 88.90 (88.60 to 89.60): VN0





#89

n-Butylbenzene

Concen: 2.831 ug/l

RT: 13.59 min Scan# 3675

Delta R.T. 0.00 min

Lab File: VN063081.D

Acq: 21 Aug 2020 15:27

Instrument :

MSVOA_N

ClientSampleId :

FB

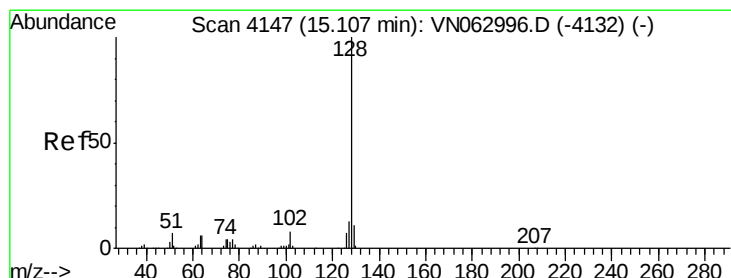
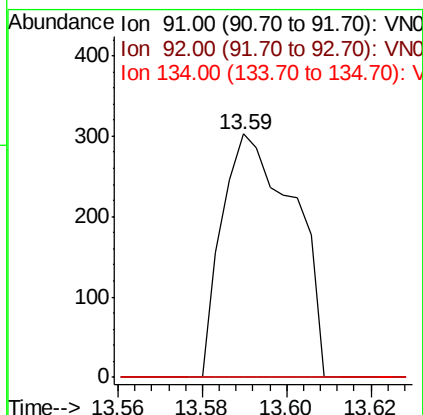
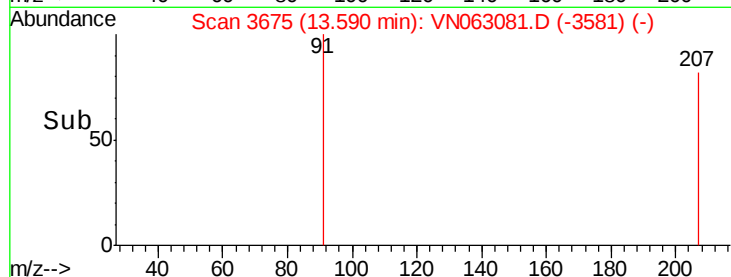
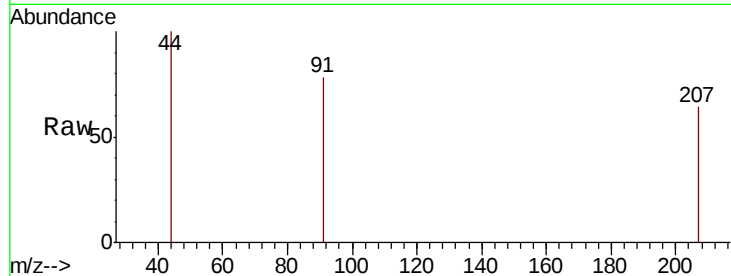
Tot Ion: 91 Resp: 358

Ion Ratio Lower Upper

91 100

92 0.0 25.9 77.6#

134 0.0 12.4 37.0#



#95

Naphthalene

Concen: 5.694 ug/l

RT: 15.12 min Scan# 4150

Delta R.T. 0.01 min

Lab File: VN063081.D

Acq: 21 Aug 2020 15:27

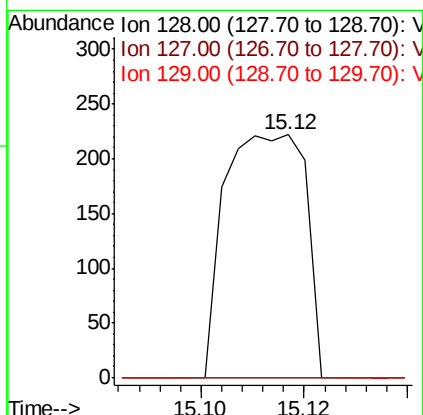
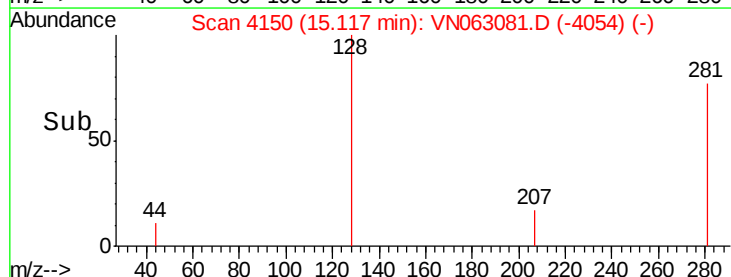
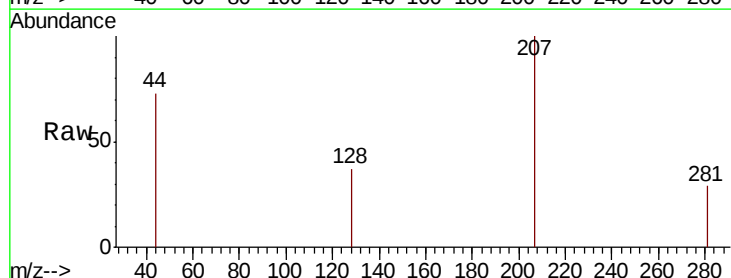
Tgt Ion: 128 Resp: 239

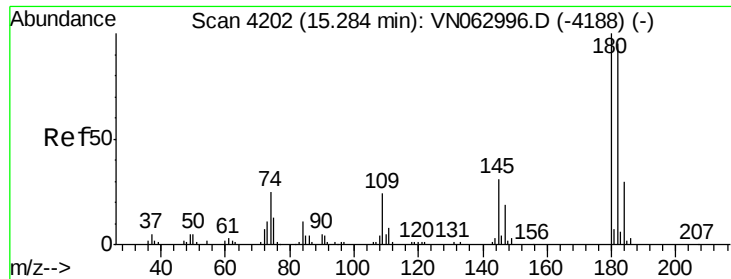
Ion Ratio Lower Upper

128 100

127 0.0 10.6 16.0#

129 0.0 8.9 13.3#





#96
 1,2,3-Trichlorobenzene
 Concen: 4.046 ug/l
 RT: 15.29 min Scan# 4204
 Delta R.T. 0.01 min
 Lab File: VN063081.D
 Acq: 21 Aug 2020 15:27

Instrument :
 MSVOA_N
 ClientSampleId :
 FB

Tot Ion	Ratio	Lower	Upper
180	100		
182	81.0	47.3	141.9
145	0.0	15.6	46.7

