

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN082020\
 Data File : VN063047.D
 Acq On : 20 Aug 2020 20:50
 Operator : JC/MD
 Sample : VN0820WBL01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 27 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0820WBL02

Quant Time: Aug 21 06:37:38 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	142978	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.55	114	238750	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	242888	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	89555	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	96455	56.92	ug/l	0.00
Spiked Amount			Recovery	=	113.84%	
35) Dibromofluoromethane	7.55	113	82548	53.06	ug/l	0.00
Spiked Amount			Recovery	=	106.12%	
50) Toluene-d8	10.06	98	305798	51.18	ug/l	0.00
Spiked Amount			Recovery	=	102.36%	
62) 4-Bromofluorobenzene	12.38	95	101072	47.93	ug/l	0.00
Spiked Amount			Recovery	=	95.86%	

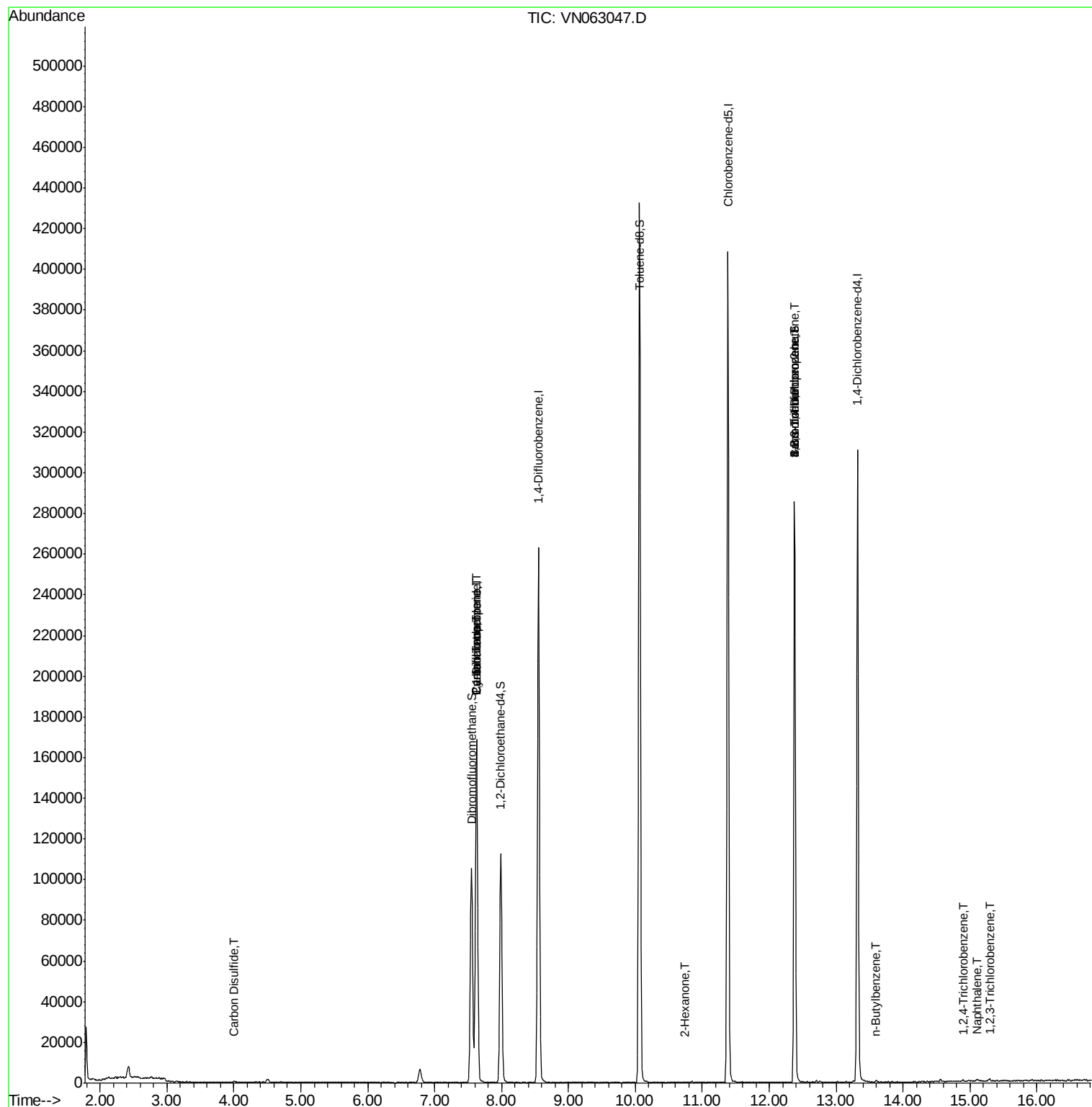
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
17) Carbon Disulfide	4.00	76	790	0.249	ug/l #	76
20) Methylene Chloride	4.51	84	1072	Below Cal	#	86
31) Cyclohexane	7.63	56	2856	1.144	ug/l #	1
36) 1,1-Dichloropropene	7.62	75	10563	5.020	ug/l #	49
38) Carbon Tetrachloride	7.63	117	12726	5.991	ug/l #	17
59) 2-Hexanone	10.74	43	323	0.224	ug/l #	23
71) Bromoform	12.38	173	932	0.617	ug/l #	1
76) 1,2,3-Trichloropropane	12.38	75	47870	27.500	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.38	75	47870	75.527	ug/l #	15
89) n-Butylbenzene	13.60	91	786	2.923	ug/l #	76
93) 1,2,4-Trichlorobenzene	14.89	180	455	4.812	ug/l #	84
95) Naphthalene	15.11	128	1765	6.080	ug/l #	69
96) 1,2,3-Trichlorobenzene	15.29	180	613	4.337	ug/l #	77

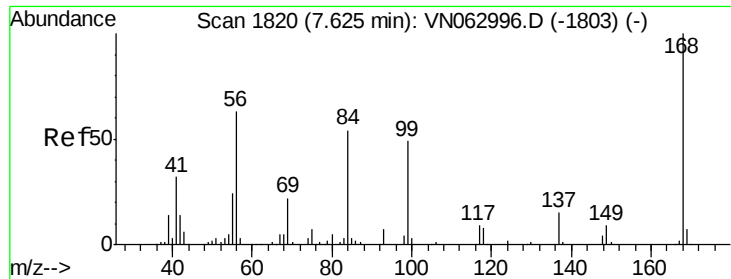
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Time: Aug 21 06:37:38 2020
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.63 min Scan# 1821

Delta R.T. 0.00 min

Lab File: VN063047.D

Acq: 20 Aug 2020 20:50

Instrument :

MSVOA_N

ClientSampleId :

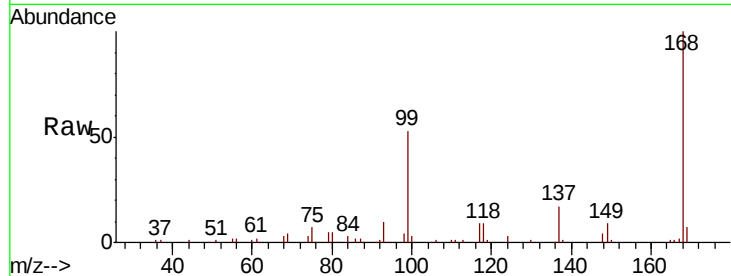
VN0820WBL02

Tot Ion:168 Resp: 142978

Ion Ratio Lower Upper

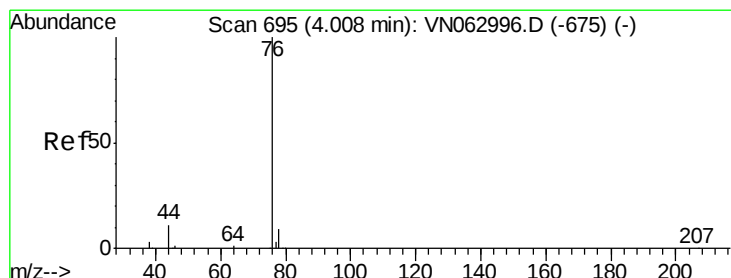
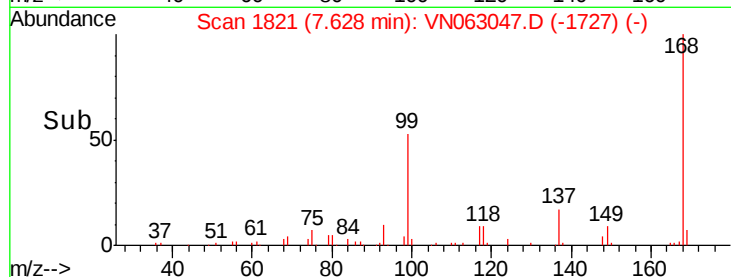
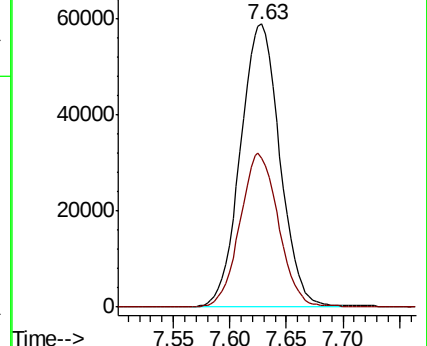
168 100

99 52.9 42.0 63.0



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN



#17

Carbon Disulfide

Concen: 0.249 ug/l

RT: 4.00 min Scan# 694

Delta R.T. -0.00 min

Lab File: VN063047.D

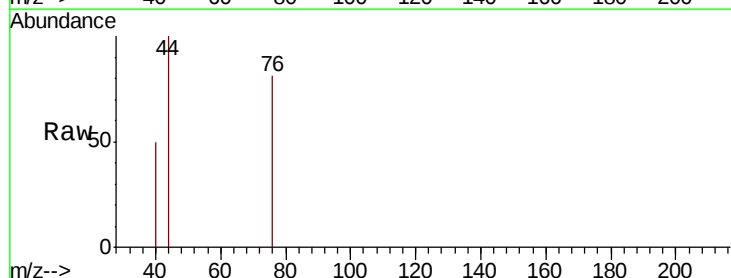
Acq: 20 Aug 2020 20:50

Tgt Ion: 76 Resp: 790

Ion Ratio Lower Upper

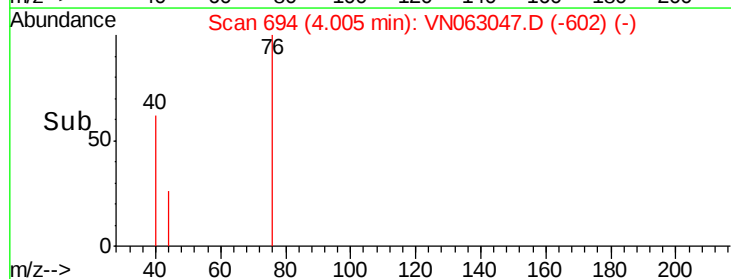
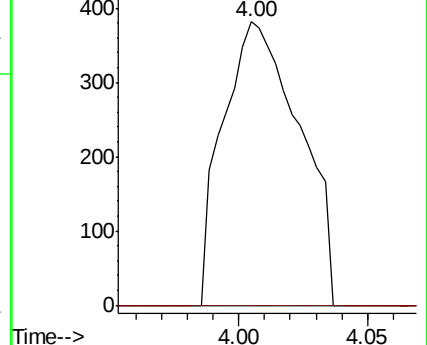
76 100

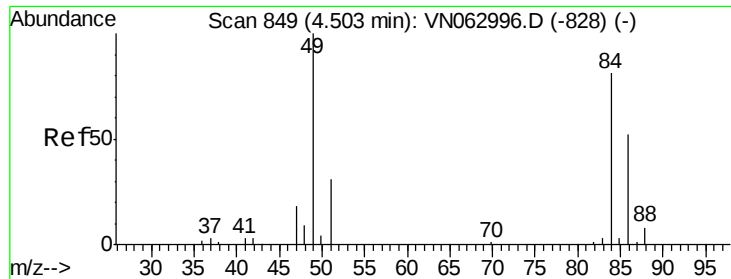
78 0.0 6.9 10.3#



Abundance Ion 75.90 (75.60 to 76.60): VN

Ion 77.90 (77.60 to 78.60): VN

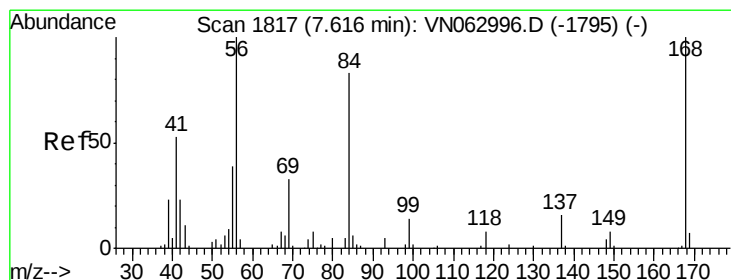
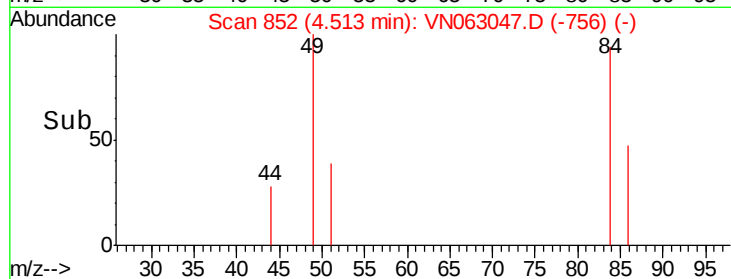
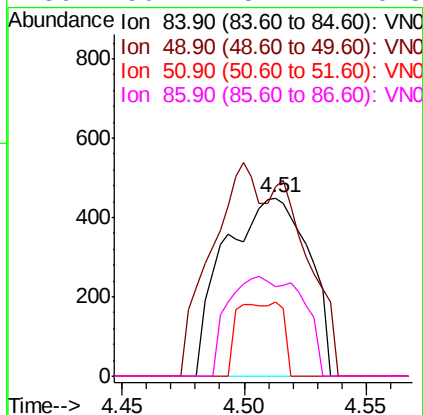
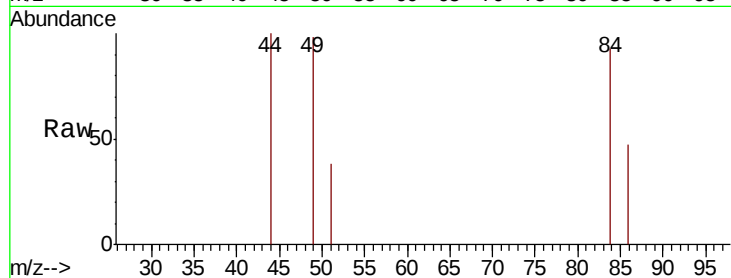




#20
Methvlene Chloride
Concen: Below Cal
RT: 4.51 min Scan# 852
Delta R.T. 0.01 min
Lab File: VN063047.D
Acq: 20 Aug 2020 20:50

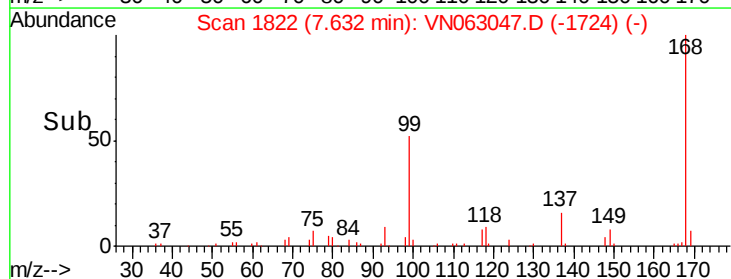
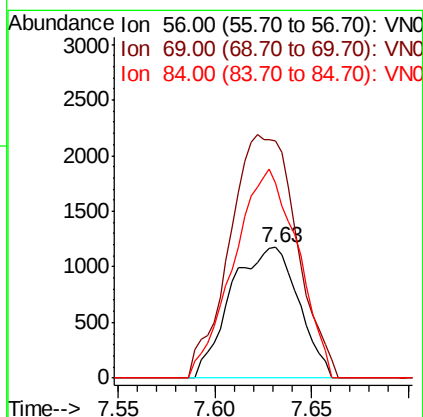
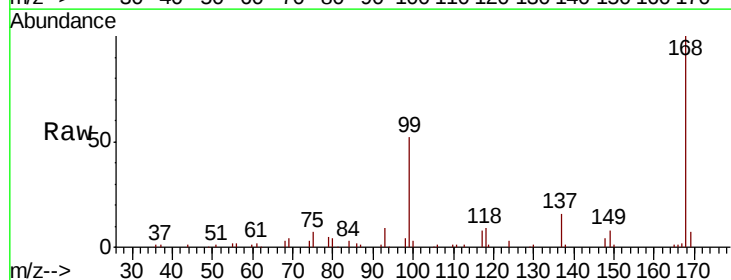
Instrument :
MSVOA_N
ClientSampleId :
VN0820WBL02

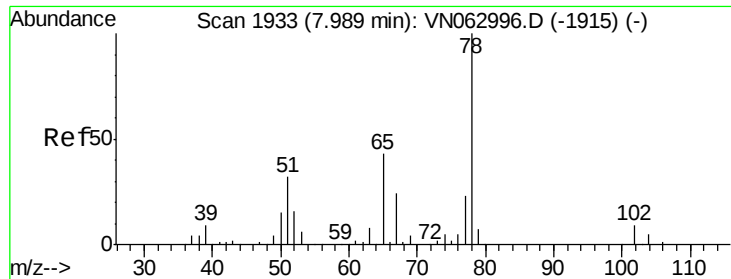
Tot Ion: 84 Resp: 1072
Ion Ratio Lower Upper
84 100
49 106.2 98.7 148.1
51 41.6 30.8 46.2
86 50.4 51.2 76.8#



#31
Cyclohexane
Concen: 1.144 ug/l
RT: 7.63 min Scan# 1822
Delta R.T. 0.02 min
Lab File: VN063047.D
Acq: 20 Aug 2020 20:50

Tgt Ion: 56 Resp: 2856
Ion Ratio Lower Upper
56 100
69 181.3 26.6 40.0#
84 148.9 66.4 99.6#

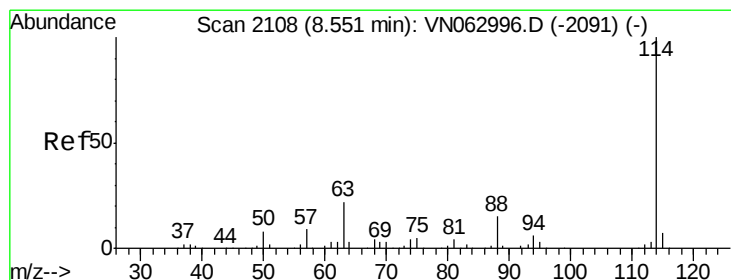
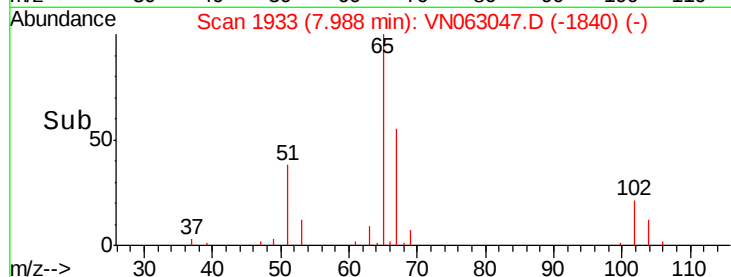
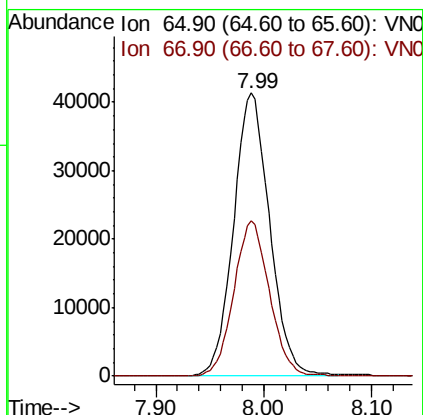
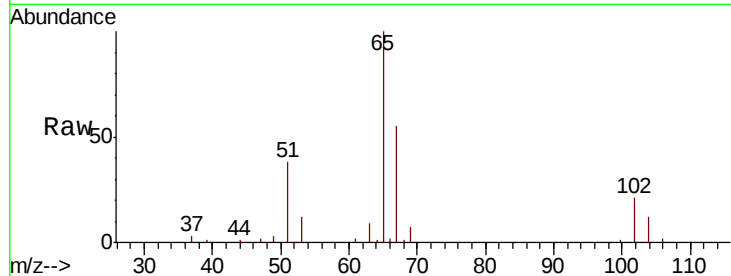




#33
 1,2-Dichloroethane-d4
 Concen: 56.921 ug/l
 RT: 7.99 min Scan# 1933
 Delta R.T. -0.00 min
 Lab File: VN063047.D
 Acq: 20 Aug 2020 20:50

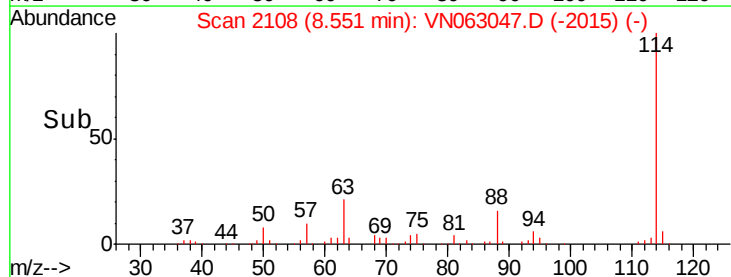
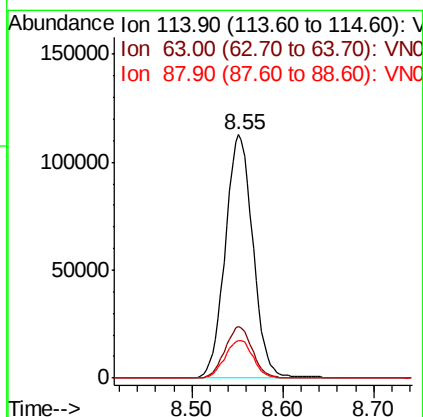
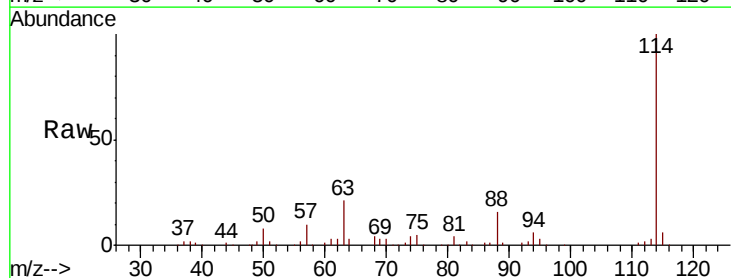
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0820WBL02

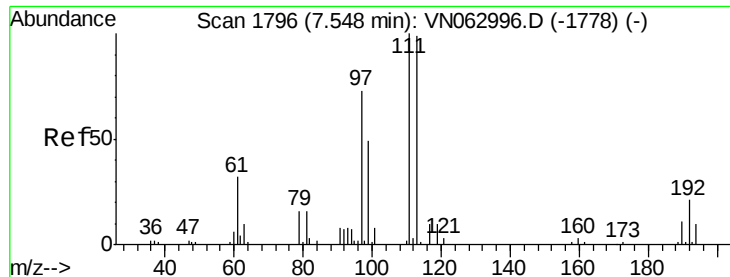
Tot Ion: 65 Resp: 96455
 Ion Ratio Lower Upper
 65 100
 67 54.1 0.0 112.0



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.55 min Scan# 2108
 Delta R.T. -0.00 min
 Lab File: VN063047.D
 Acq: 20 Aug 2020 20:50

Tgt Ion: 114 Resp: 238750
 Ion Ratio Lower Upper
 114 100
 63 21.1 0.0 43.2
 88 15.6 0.0 30.6

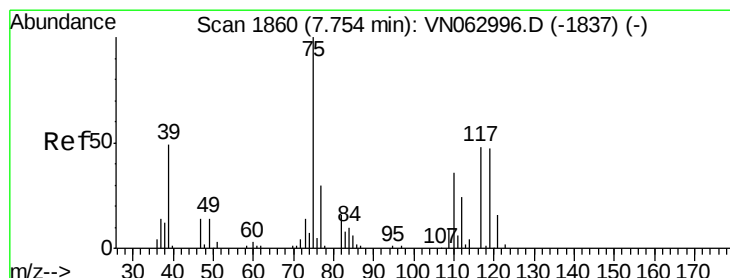
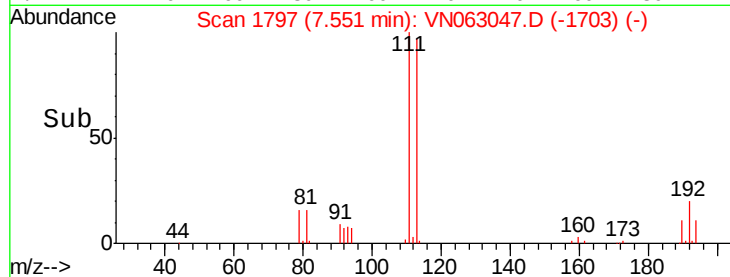
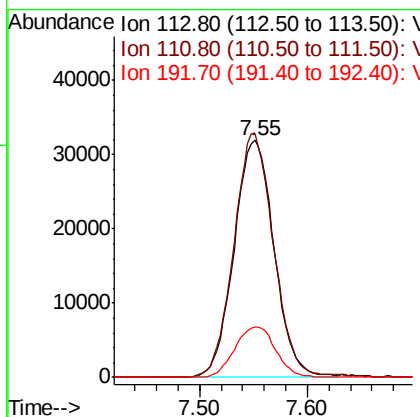
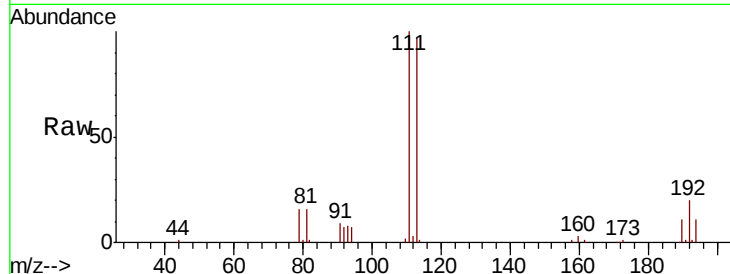




#35
 Dibromofluoromethane
 Concen: 53.062 ug/l
 RT: 7.55 min Scan# 1797
 Delta R.T. 0.00 min
 Lab File: VN063047.D
 Acq: 20 Aug 2020 20:50

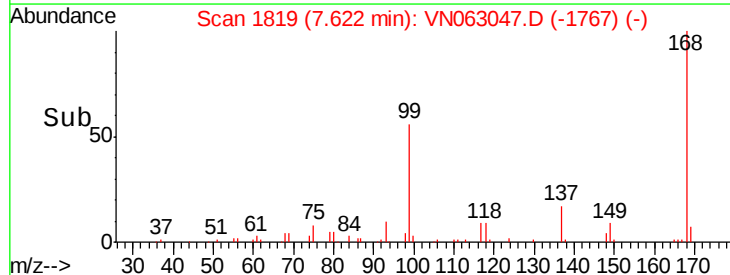
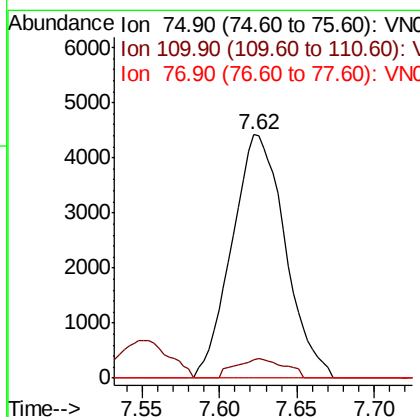
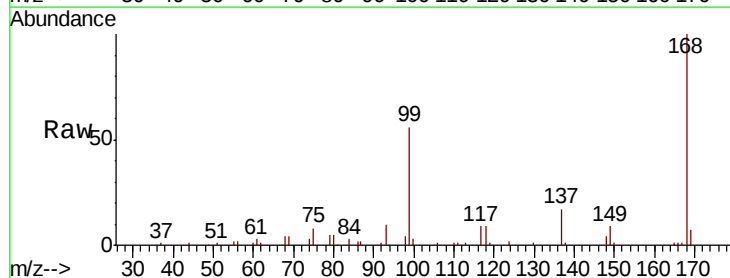
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0820WBL02

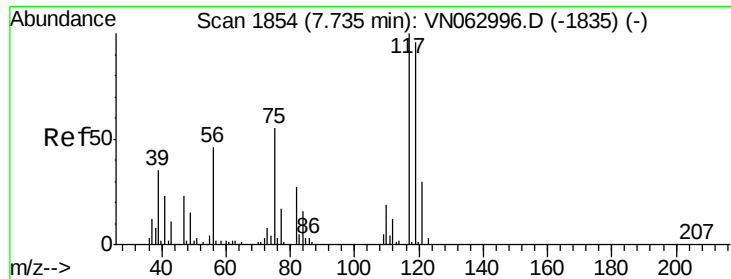
Tot Ion:113 Resp: 82548
 Ion Ratio Lower Upper
 113 100
 111 102.3 81.7 122.5
 192 21.4 17.5 26.3



#36
 1,1-Dichloropropene
 Concen: 5.020 ug/l
 RT: 7.62 min Scan# 1819
 Delta R.T. -0.13 min
 Lab File: VN063047.D
 Acq: 20 Aug 2020 20:50

Tgt Ion: 75 Resp: 10563
 Ion Ratio Lower Upper
 75 100
 110 7.3 17.5 52.6#
 77 0.0 24.2 36.4#





#38

Carbon Tetrachloride

Concen: 5.991 ug/l

RT: 7.63 min Scan# 1820

Delta R.T. -0.11 min

Lab File: VN063047.D

Acq: 20 Aug 2020 20:50

Instrument :

MSVOA_N

ClientSampleId :

VN0820WBL02

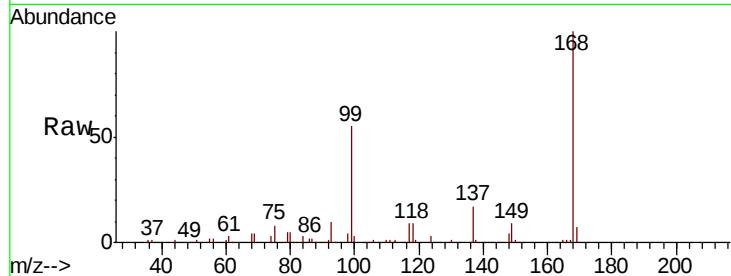
Tot Ion:117 Resp: 12726

Ion Ratio Lower Upper

117 100

119 6.7 76.2 114.4#

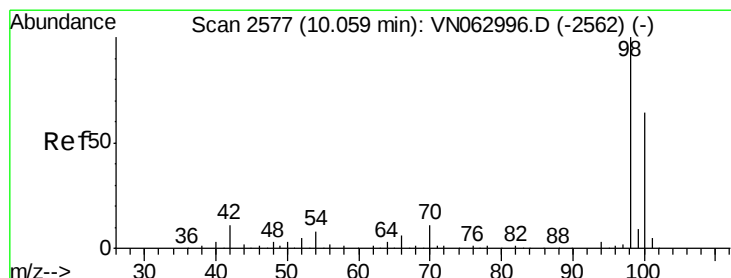
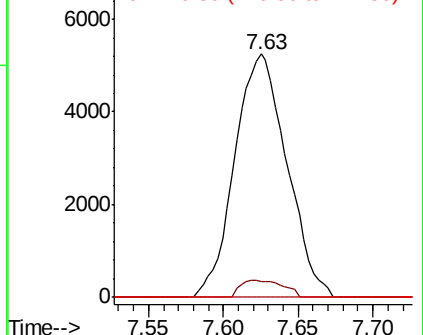
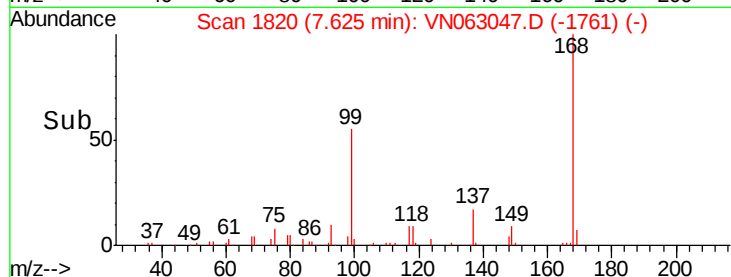
121 0.0 24.2 36.2#



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: 51.176 ug/l

RT: 10.06 min Scan# 2578

Delta R.T. 0.00 min

Lab File: VN063047.D

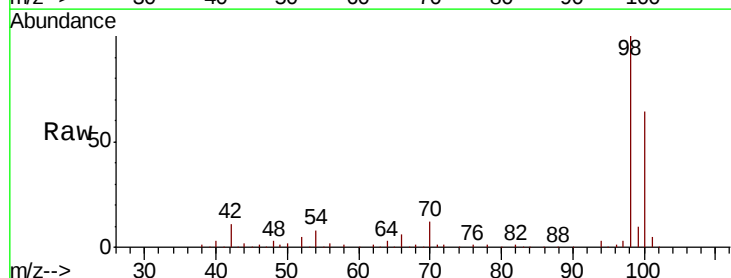
Acq: 20 Aug 2020 20:50

Tgt Ion: 98 Resp: 305798

Ion Ratio Lower Upper

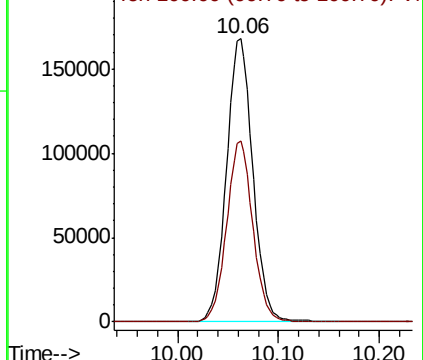
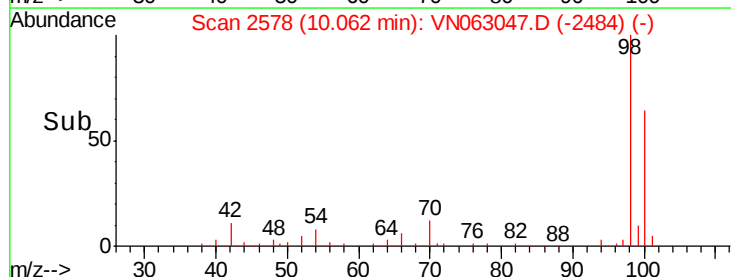
98 100

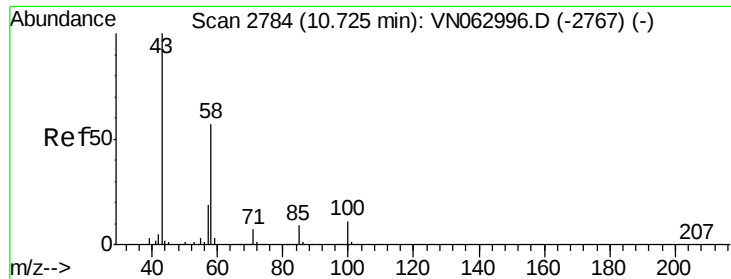
100 63.3 51.2 76.8



Abundance Ion 98.00 (97.70 to 98.70): VN

Ion 100.00 (99.70 to 100.70): VN





#59

2-Hexanone

Concen: 0.224 ug/l

RT: 10.74 min Scan# 2789

Delta R.T. 0.02 min

Lab File: VN063047.D

Acq: 20 Aug 2020 20:50

Instrument :

MSVOA_N

ClientSampleId :

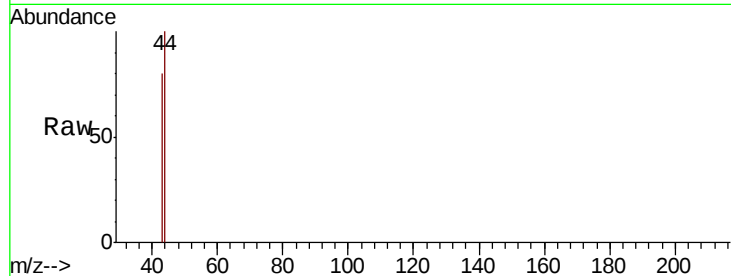
VN0820WBL02

Tot Ion: 43 Resp: 323

Ion Ratio Lower Upper

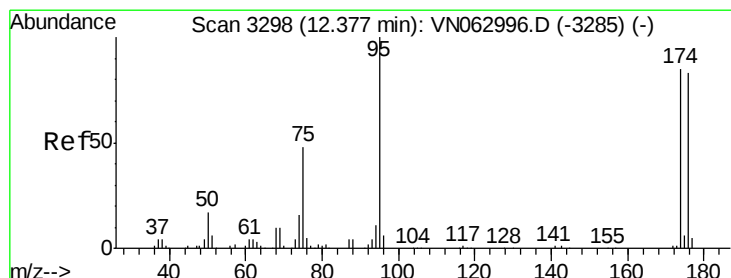
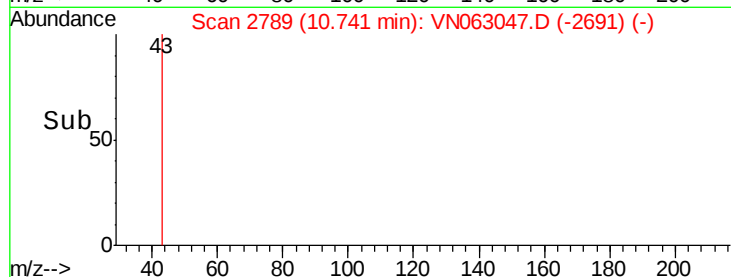
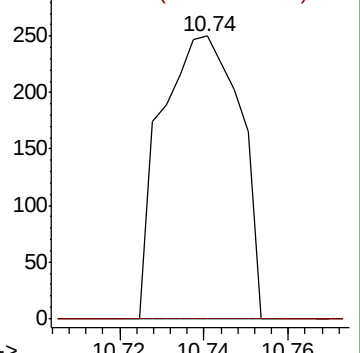
43 100

58 0.0 28.1 84.3#



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0



#62

4-Bromofluorobenzene

Concen: 47.932 ug/l

RT: 12.38 min Scan# 3298

Delta R.T. -0.00 min

Lab File: VN063047.D

Acq: 20 Aug 2020 20:50

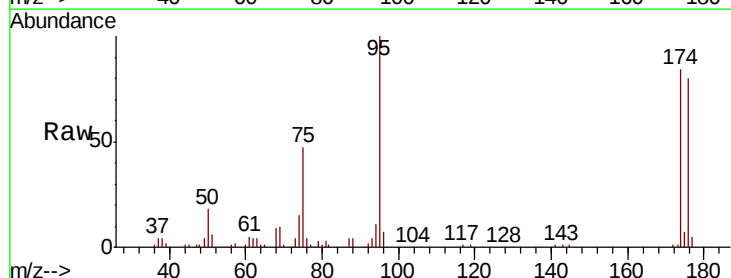
Tgt Ion: 95 Resp: 101072

Ion Ratio Lower Upper

95 100

174 86.9 0.0 170.8

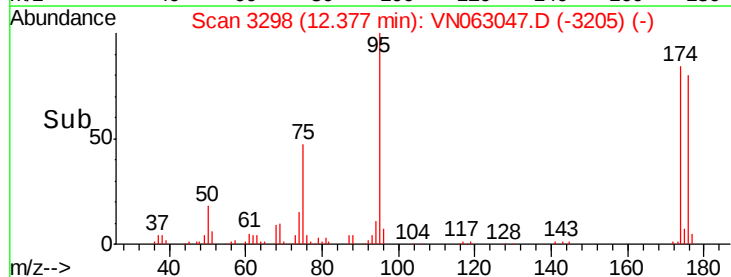
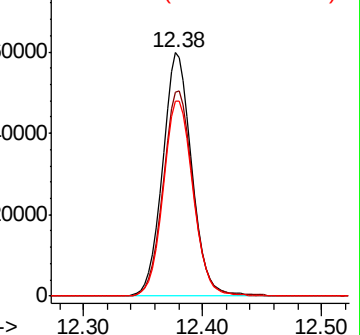
176 82.7 0.0 164.8

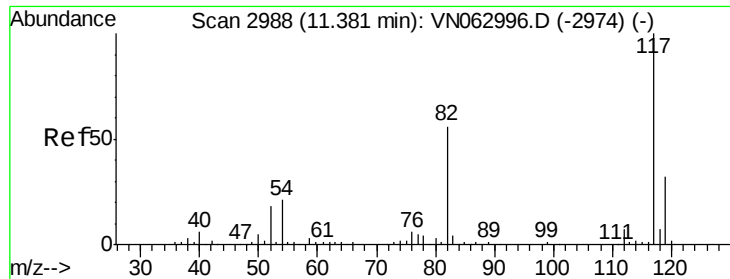


Abundance Ion 94.90 (94.60 to 95.60): VN0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

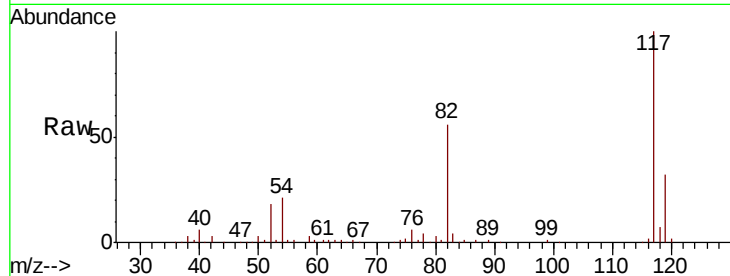




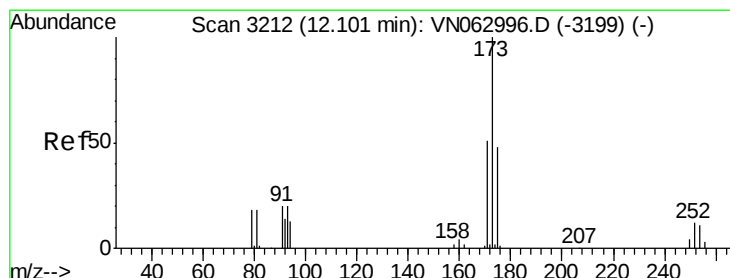
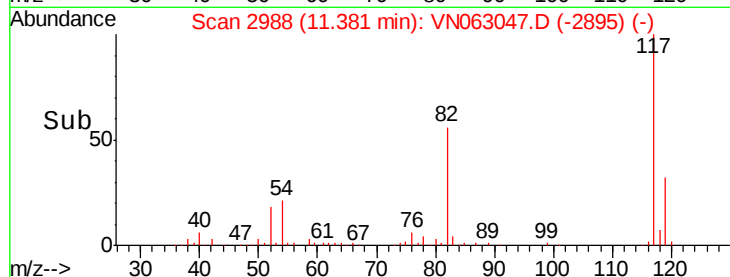
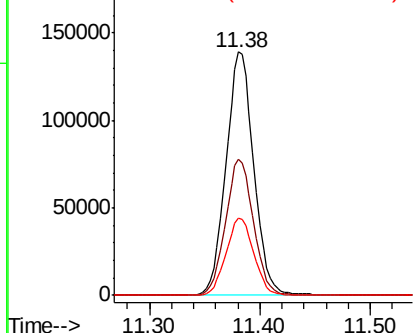
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.38 min Scan# 2988
Delta R.T. -0.00 min
Lab File: VN063047.D
Acq: 20 Aug 2020 20:50

Instrument :
MSVOA_N
ClientSampleId :
VN0820WBL02

Tot Ion:117 Resp: 242888
Ion Ratio Lower Upper
117 100
82 56.1 44.5 66.7
119 31.9 25.5 38.3

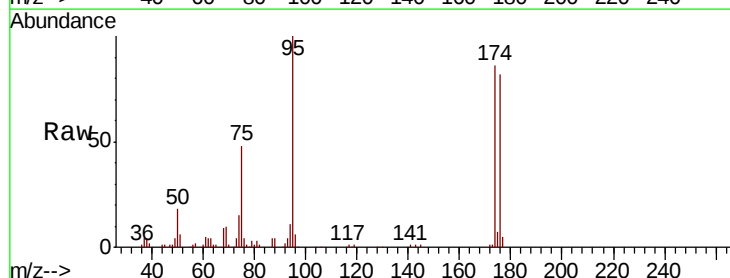


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

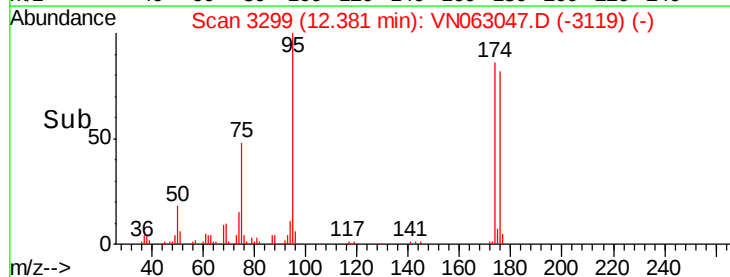
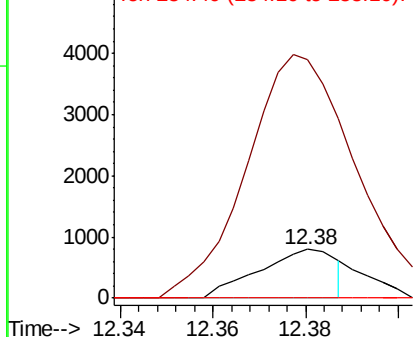


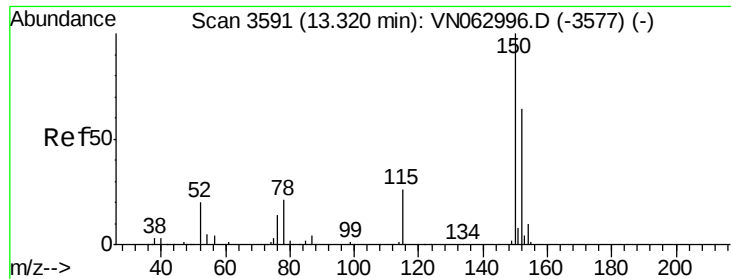
#71
Bromoform
Concen: 0.617 ug/l
RT: 12.38 min Scan# 3299
Delta R.T. 0.28 min
Lab File: VN063047.D
Acq: 20 Aug 2020 20:50

Tgt Ion:173 Resp: 932
Ion Ratio Lower Upper
173 100
175 555.6 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: VN063047.D

Acq: 20 Aug 2020 20:50

Instrument :

MSVOA_N

ClientSampleId :

VN0820WBL02

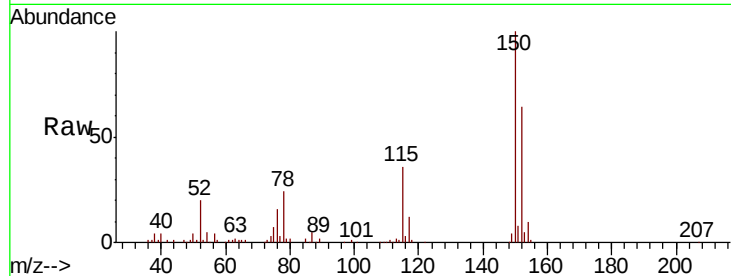
Tot Ion:152 Resp: 89555

Ion Ratio Lower Upper

152 100

115 55.1 28.7 86.3

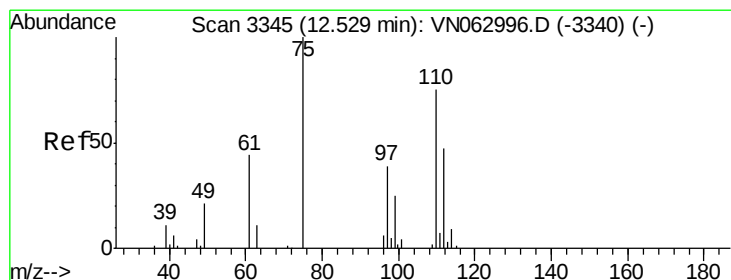
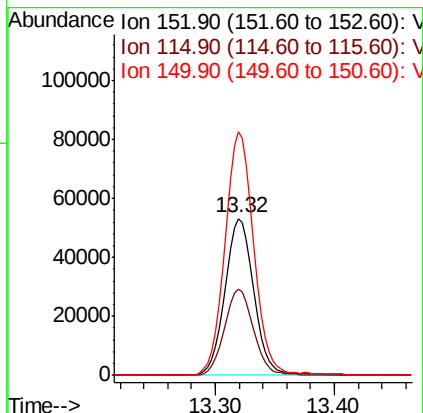
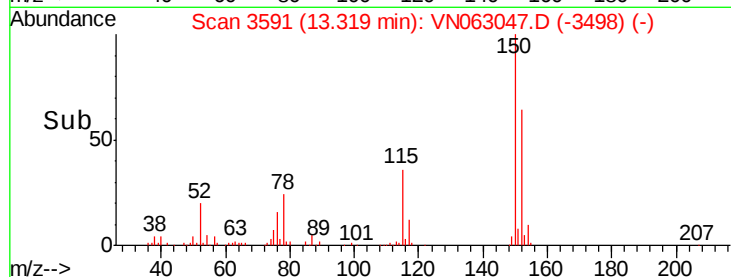
150 155.2 0.0 348.8



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: 27.500 ug/l

RT: 12.38 min Scan# 3298

Delta R.T. -0.15 min

Lab File: VN063047.D

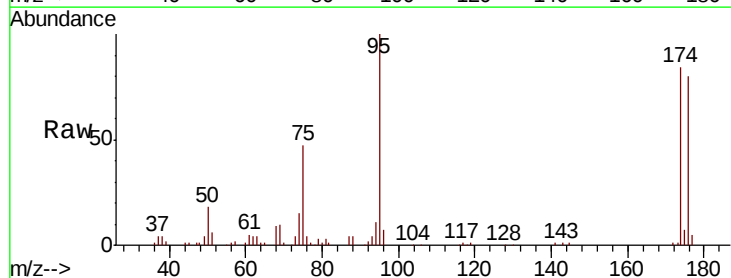
Acq: 20 Aug 2020 20:50

Tgt Ion: 75 Resp: 47870

Ion Ratio Lower Upper

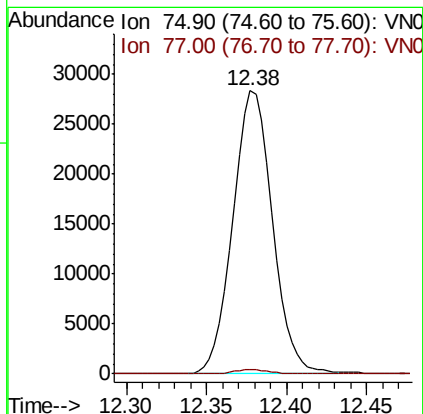
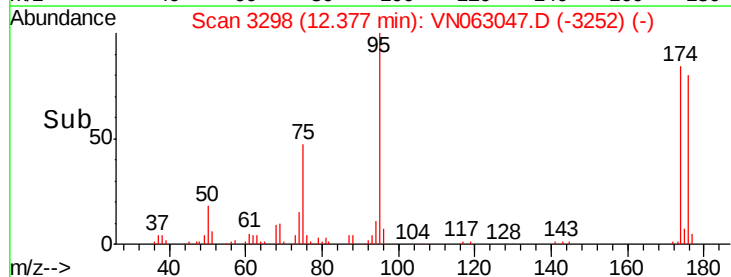
75 100

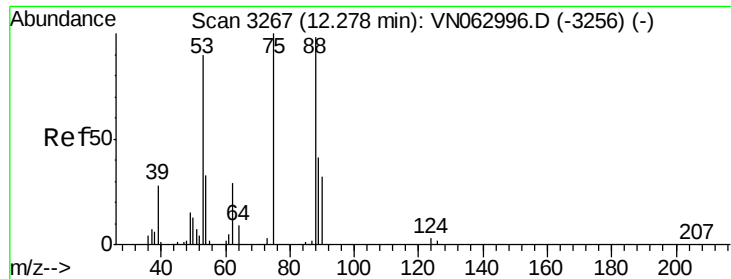
77 1.2 0.0 0.0#



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: 75.527 ug/l

RT: 12.38 min Scan# 3298

Delta R.T. 0.10 min

Lab File: VN063047.D

Acq: 20 Aug 2020 20:50

Instrument :

MSVOA_N

ClientSampleId :

VN0820WBL02

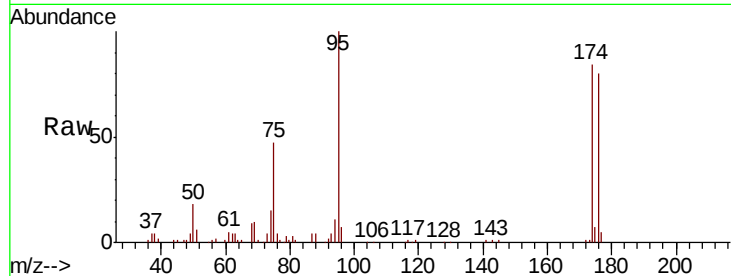
Tot Ion: 75 Resp: 47870

Ion Ratio Lower Upper

75 100

53 0.0 69.2 103.8#

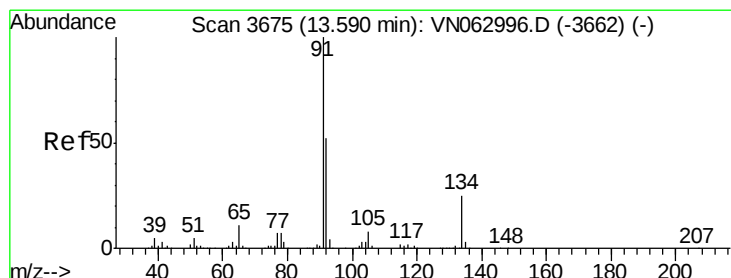
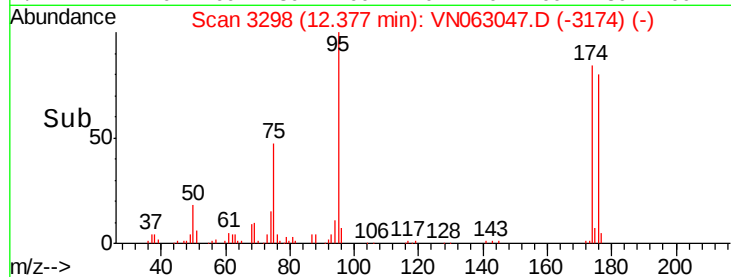
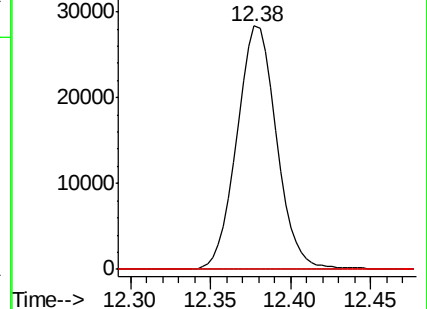
89 0.0 34.2 51.4#



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: 2.923 ug/l

RT: 13.60 min Scan# 3677

Delta R.T. 0.01 min

Lab File: VN063047.D

Acq: 20 Aug 2020 20:50

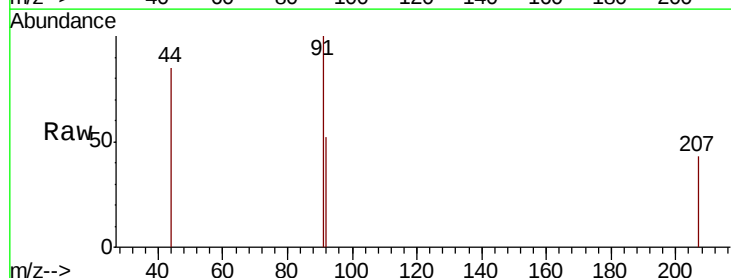
Tgt Ion: 91 Resp: 786

Ion Ratio Lower Upper

91 100

92 43.6 25.9 77.6

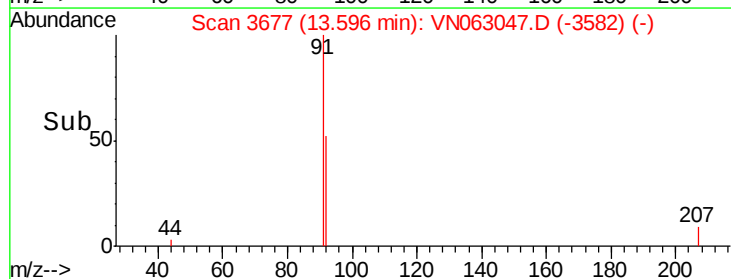
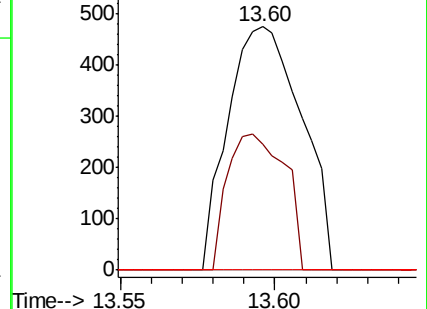
134 0.0 12.4 37.0#

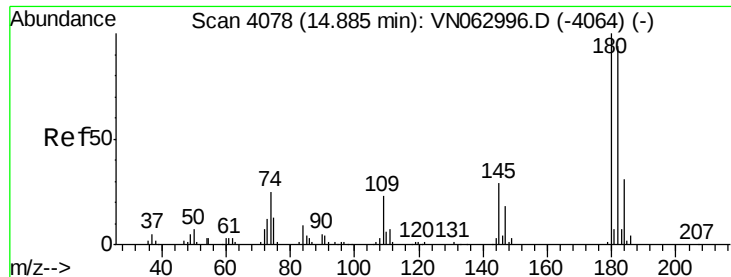


Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 92.00 (91.70 to 92.70): VN0

Ion 134.00 (133.70 to 134.70): V

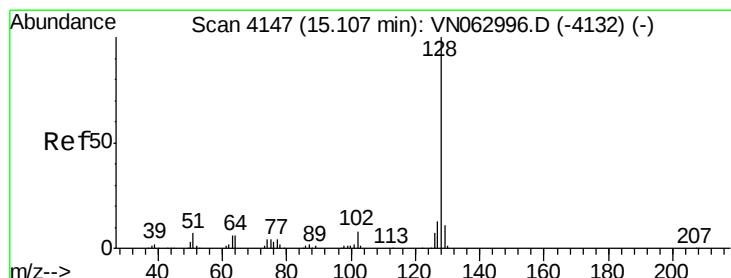
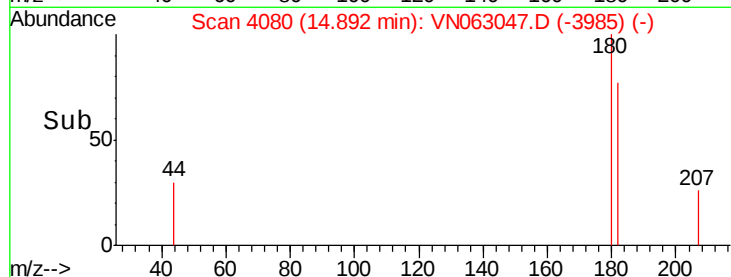
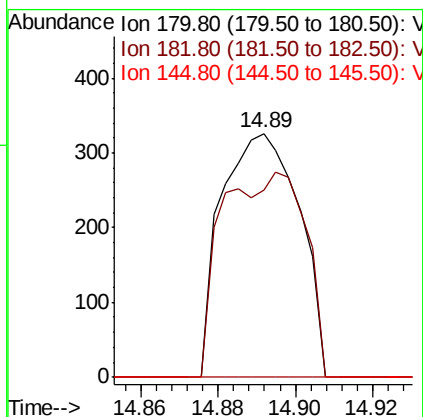
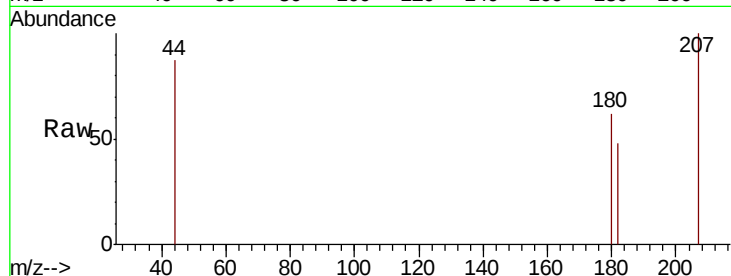




#93
 1,2,4-Trichlorobenzene
 Concen: 4.812 ug/l
 RT: 14.89 min Scan# 4080
 Delta R.T. 0.01 min
 Lab File: VN063047.D
 Acq: 20 Aug 2020 20:50

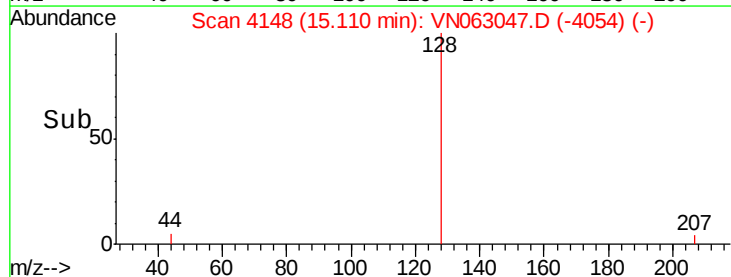
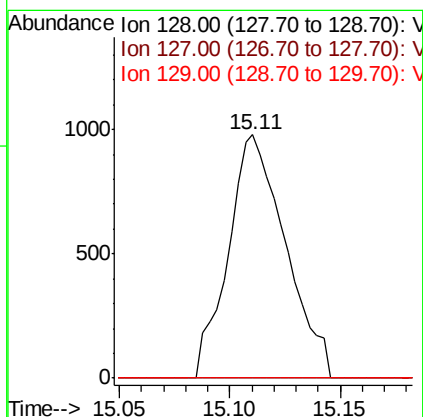
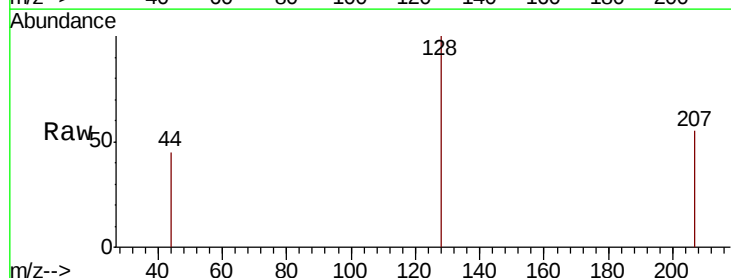
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0820WBL02

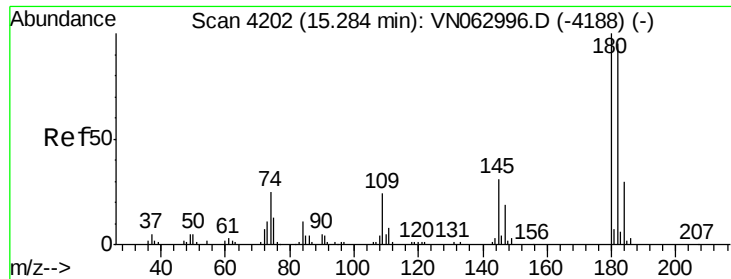
Tot Ion:180 Resp: 455
 Ion Ratio Lower Upper
 180 100
 182 90.1 47.0 141.2
 145 0.0 14.1 42.4#



#95
 Naphthalene
 Concen: 6.080 ug/l
 RT: 15.11 min Scan# 4148
 Delta R.T. 0.00 min
 Lab File: VN063047.D
 Acq: 20 Aug 2020 20:50

Tgt Ion:128 Resp: 1765
 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: 4.337 ug/l
 RT: 15.29 min Scan# 4205
 Delta R.T. 0.01 min
 Lab File: VN063047.D
 Acq: 20 Aug 2020 20:50

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0820WBL02

Tot Ion	Ratio	Lower	Upper
180	100		
182	112.2	47.3	141.9
145	9.8	15.6	46.7

