

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN082120\
 Data File : VN063074.D
 Acq On : 21 Aug 2020 12:21
 Operator : JC/MD
 Sample : VN0821WBL02
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0821WBL02

Quant Time: Aug 22 01:20:41 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	143936	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.55	114	241149	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	243332	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	85268	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	96340	56.47	ug/l	0.00
Spiked Amount			Recovery	=	112.94%	
35) Dibromofluoromethane	7.55	113	82247	52.34	ug/l	0.00
Spiked Amount			Recovery	=	104.68%	
50) Toluene-d8	10.06	98	306772	50.83	ug/l	0.00
Spiked Amount			Recovery	=	101.66%	
62) 4-Bromofluorobenzene	12.38	95	100117	47.01	ug/l	0.00
Spiked Amount			Recovery	=	94.02%	

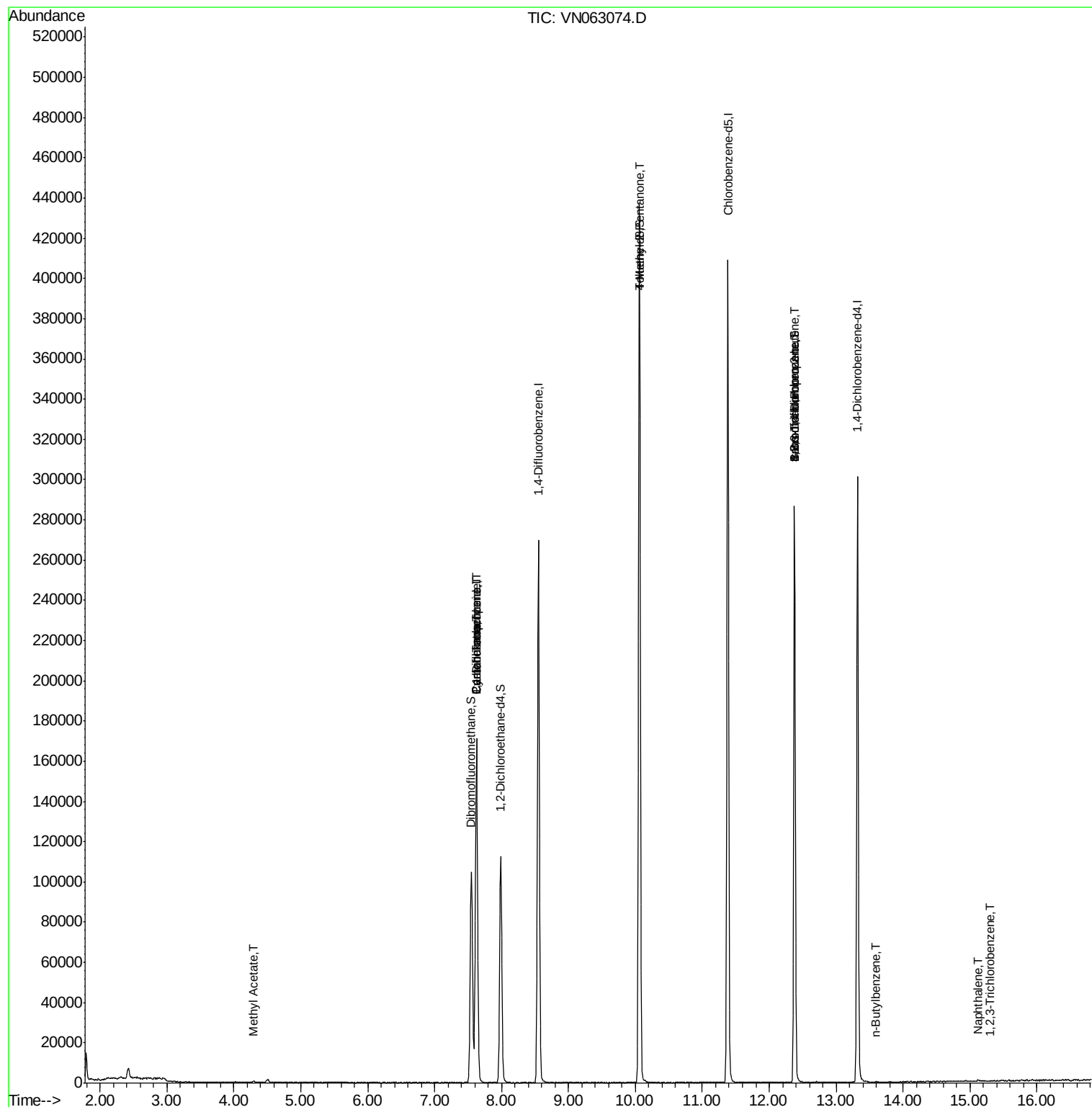
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
18) Methyl Acetate	4.29	43	571	0.337	ug/l #	52
20) Methylene Chloride	4.49	84	1016	Below Cal	#	73
31) Cyclohexane	7.63	56	2609	1.038	ug/l #	1
36) 1,1-Dichloropropene	7.62	75	10989	5.171	ug/l #	48
38) Carbon Tetrachloride	7.63	117	12833	5.981	ug/l #	18
51) 4-Methyl-2-Pentanone	10.06	43	1208	0.579	ug/l #	1
71) Bromoform	12.38	173	815	0.539	ug/l #	1
76) 1,2,3-Trichloropropane	12.38	75	48024	28.975	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.38	75	48024	79.579	ug/l #	15
89) n-Butylbenzene	13.59	91	191	2.809	ug/l #	34
95) Naphthalene	15.12	128	731	5.833	ug/l #	69
96) 1,2,3-Trichlorobenzene	15.29	180	95	4.026	ug/l #	13

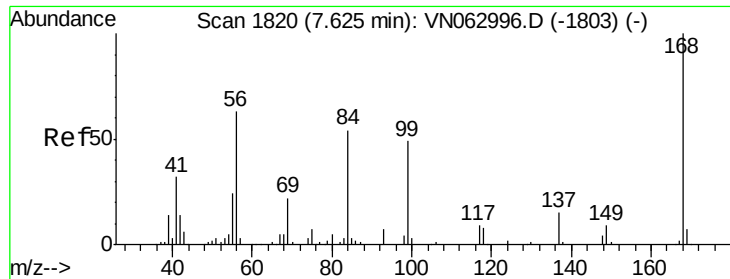
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA N\DATA\VN082120\
Data File : VN063074.D
Acq On : 21 Aug 2020 12:21
Operator : JC/MD
Sample : VN0821WBL02
Misc : 5.00mL/MSVOA N/WATER
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VN0821WBL02

Quant Time: Aug 22 01:20:41 2020
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_N\METHODS\82N081820W.M
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: VN063074.D

Acq: 21 Aug 2020 12:21

Instrument :

MSVOA_N

ClientSampleId :

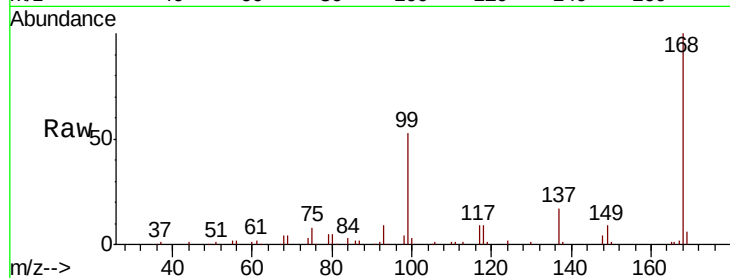
VN0821WBL02

Tot Ion:168 Resp: 143936

Ion Ratio Lower Upper

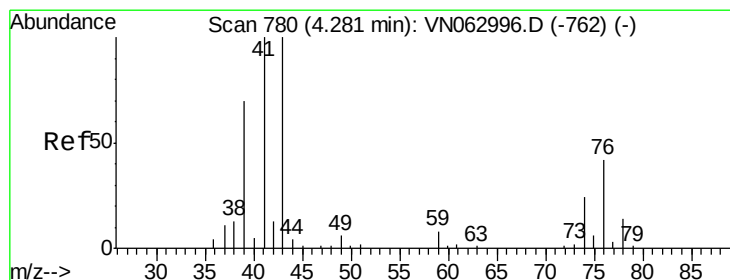
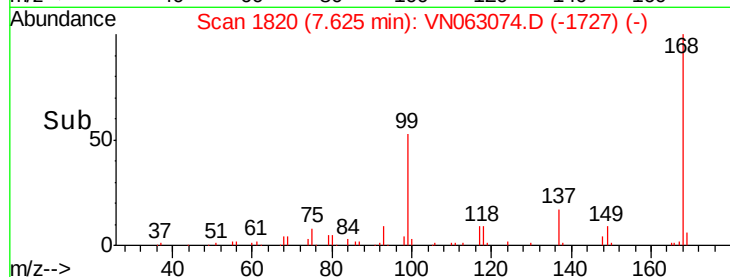
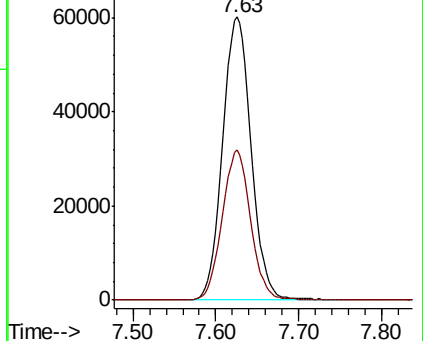
168 100

99 53.2 42.0 63.0



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN



#18

Methyl Acetate

Concen: 0.337 ug/l

RT: 4.29 min Scan# 783

Delta R.T. 0.01 min

Lab File: VN063074.D

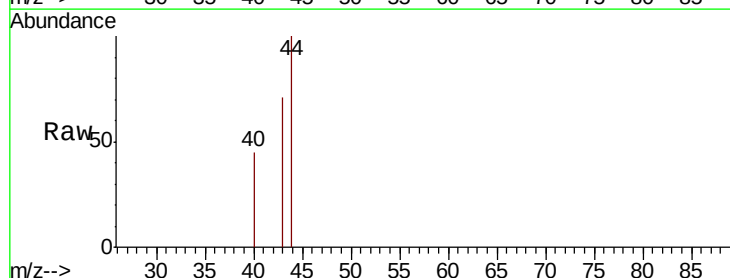
Acq: 21 Aug 2020 12:21

Tgt Ion: 43 Resp: 571

Ion Ratio Lower Upper

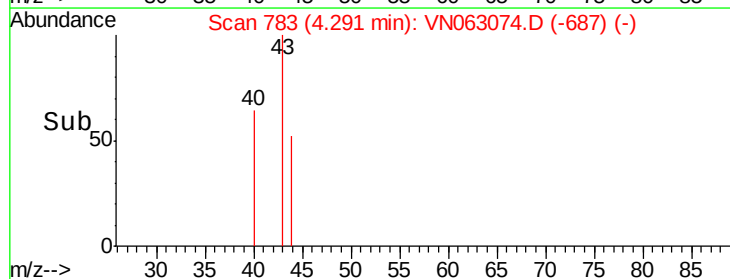
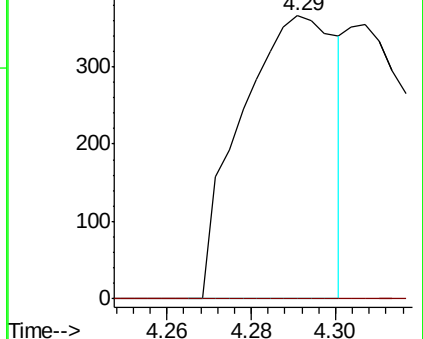
43 100

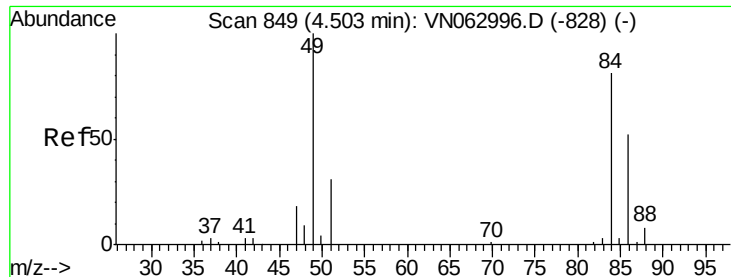
74 0.0 18.6 28.0#



Abundance Ion 43.00 (42.70 to 43.70): VN

Ion 74.00 (73.70 to 74.70): VN

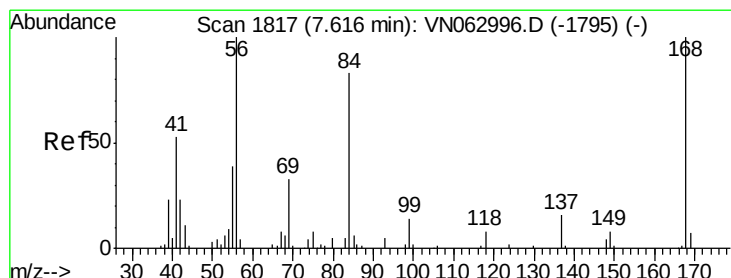
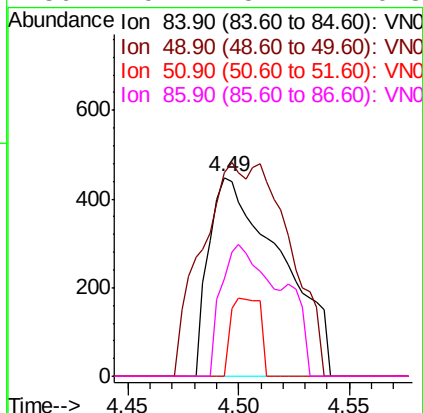
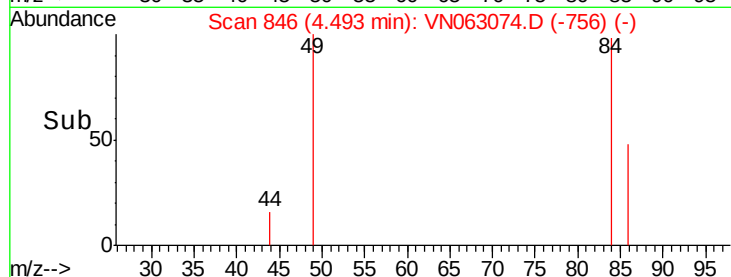
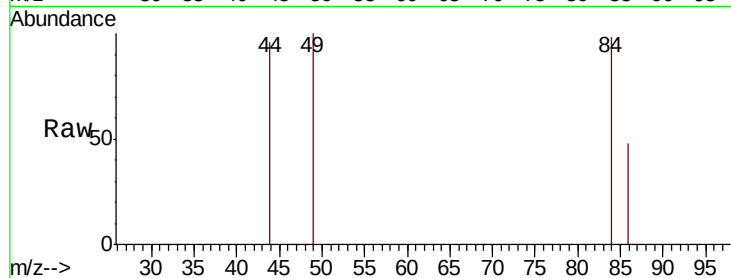




#20
Methylene Chloride
Concen: Below Cal
RT: 4.49 min Scan# 846
Delta R.T. -0.01 min
Lab File: VN063074.D
Acq: 21 Aug 2020 12:21

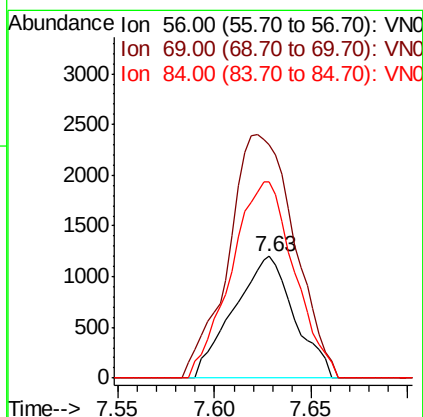
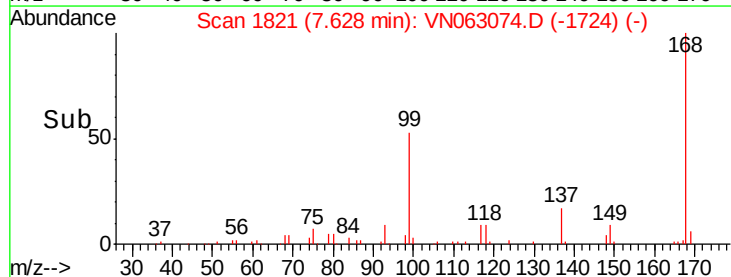
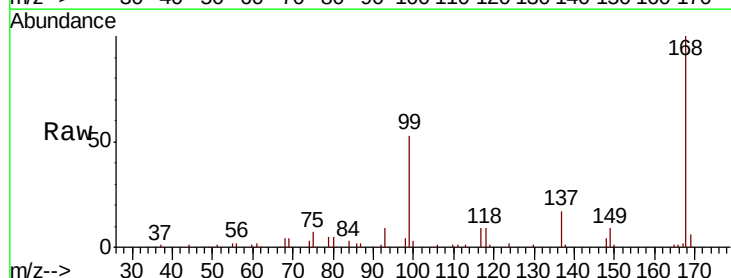
Instrument :
MSVOA_N
ClientSampleId :
VN0821WBL02

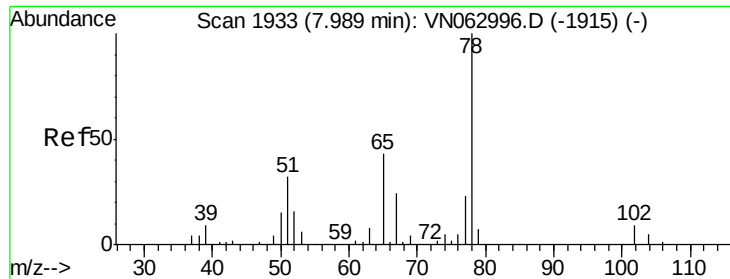
Tot Ion: 84 Resp: 1016
Ion Ratio Lower Upper
84 100
49 102.0 98.7 148.1
51 0.0 30.8 46.2#
86 49.2 51.2 76.8#



#31
Cyclohexane
Concen: 1.038 ug/l
RT: 7.63 min Scan# 1821
Delta R.T. 0.01 min
Lab File: VN063074.D
Acq: 21 Aug 2020 12:21

Tgt Ion: 56 Resp: 2609
Ion Ratio Lower Upper
56 100
69 191.8 26.6 40.0#
84 161.4 66.4 99.6#

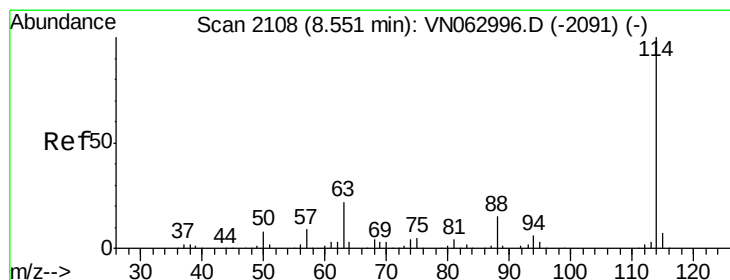
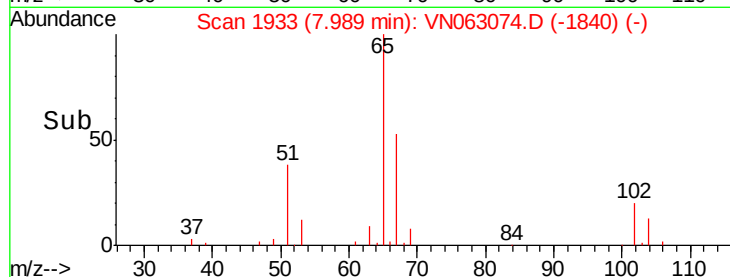
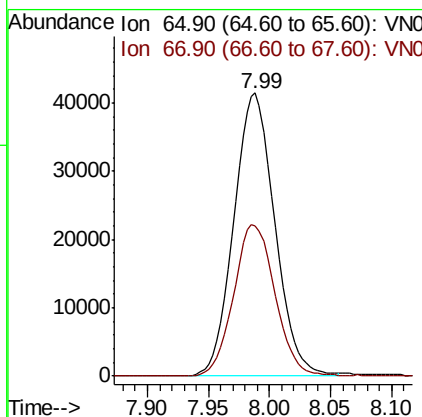
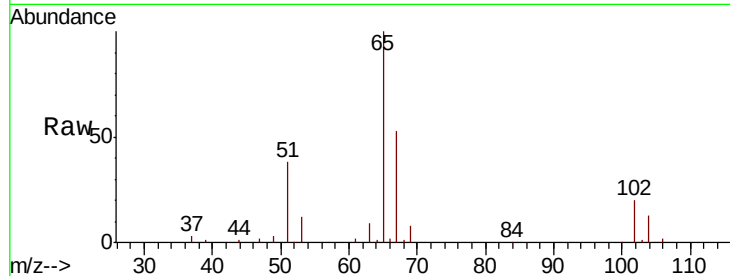




#33
 1,2-Dichloroethane-d4
 Concen: 56.474 ug/l
 RT: 7.99 min Scan# 1933
 Delta R.T. -0.00 min
 Lab File: VN063074.D
 Acq: 21 Aug 2020 12:21

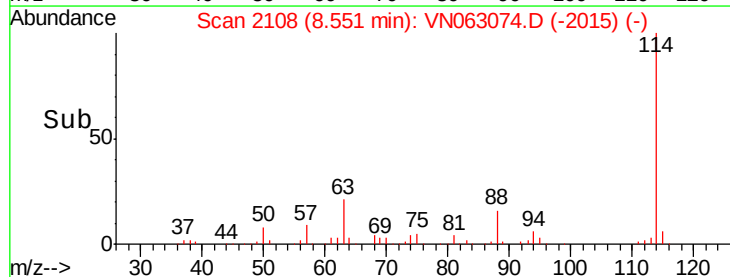
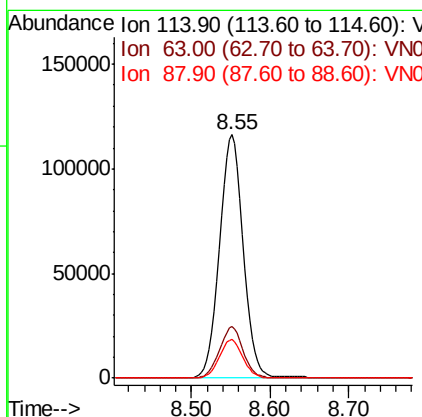
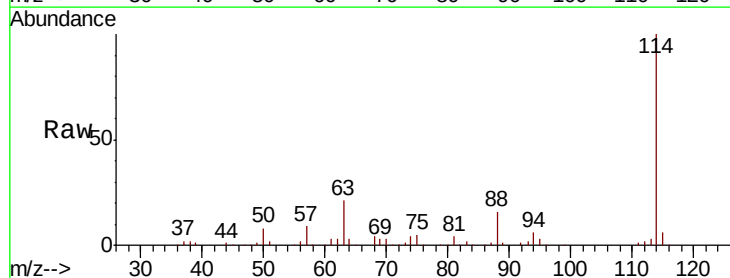
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0821WBL02

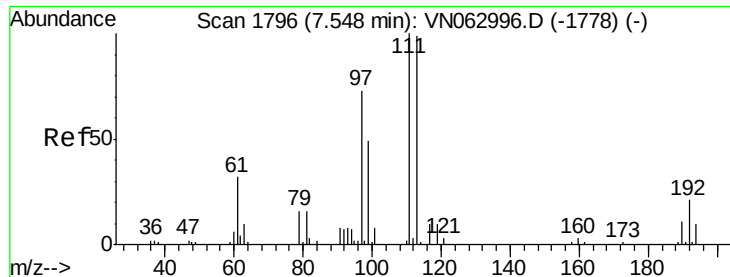
Tot Ion: 65 Resp: 96340
 Ion Ratio Lower Upper
 65 100
 67 54.1 0.0 112.0



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.55 min Scan# 2108
 Delta R.T. -0.00 min
 Lab File: VN063074.D
 Acq: 21 Aug 2020 12:21

Tgt Ion: 114 Resp: 241149
 Ion Ratio Lower Upper
 114 100
 63 21.1 0.0 43.2
 88 15.8 0.0 30.6

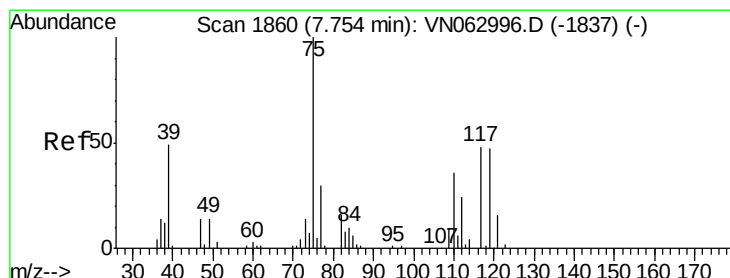
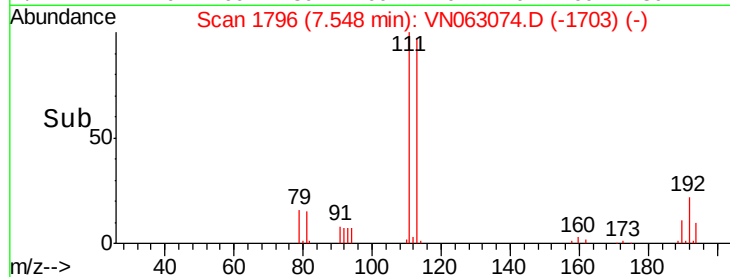
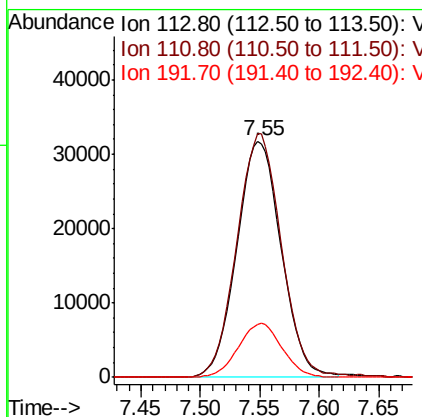
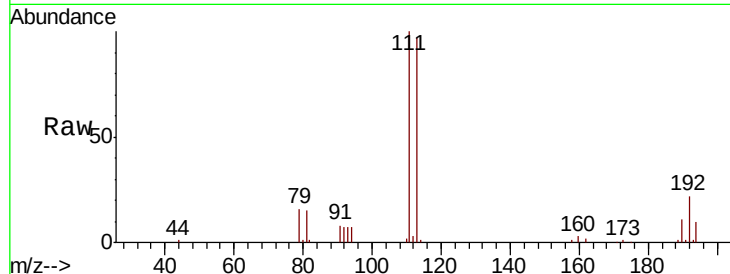




#35
 Dibromofluoromethane
 Concen: 52.343 ug/l
 RT: 7.55 min Scan# 1796
 Delta R.T. -0.00 min
 Lab File: VN063074.D
 Acq: 21 Aug 2020 12:21

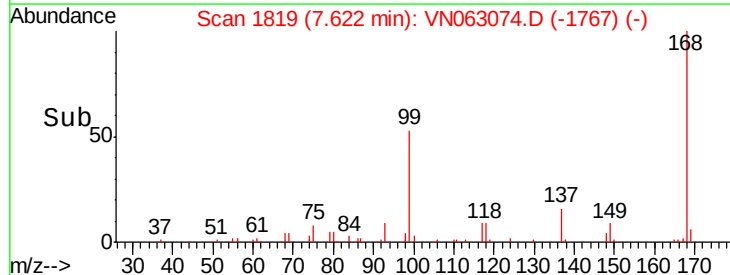
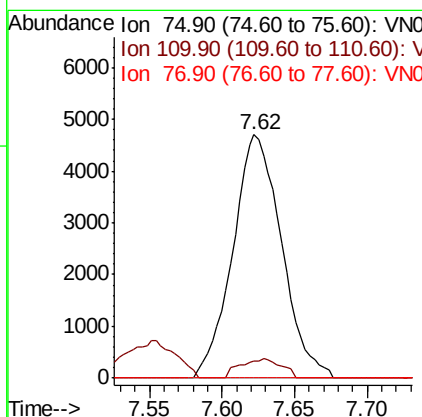
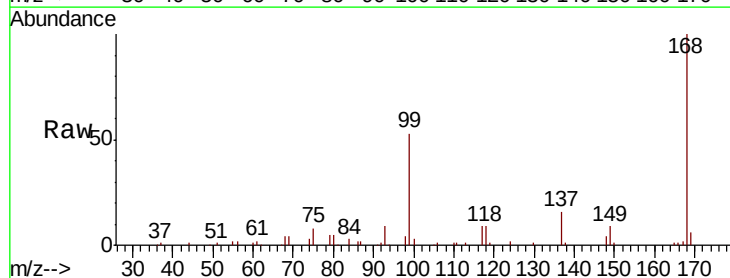
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0821WBL02

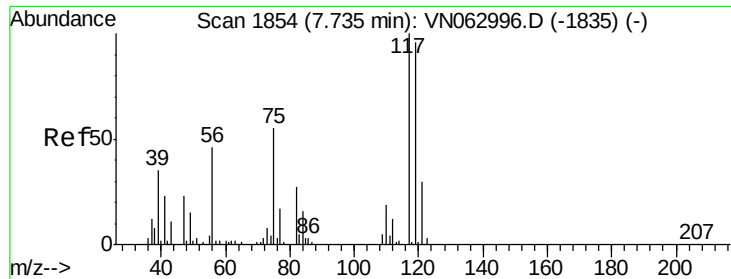
Tot Ion	Ratio	Lower	Upper
113	100		
111	103.2	81.7	122.5
192	22.4	17.5	26.3



#36
 1,1-Dichloropropene
 Concen: 5.171 ug/l
 RT: 7.62 min Scan# 1819
 Delta R.T. -0.13 min
 Lab File: VN063074.D
 Acq: 21 Aug 2020 12:21

Tgt Ion	Ratio	Lower	Upper
75	100		
110	6.7	17.5	52.6#
77	0.0	24.2	36.4#





#38

Carbon Tetrachloride

Concen: 5.981 ug/l

RT: 7.63 min Scan# 1820

Delta R.T. -0.11 min

Lab File: VN063074.D

Acq: 21 Aug 2020 12:21

Instrument :

MSVOA_N

ClientSampleId :

VN0821WBL02

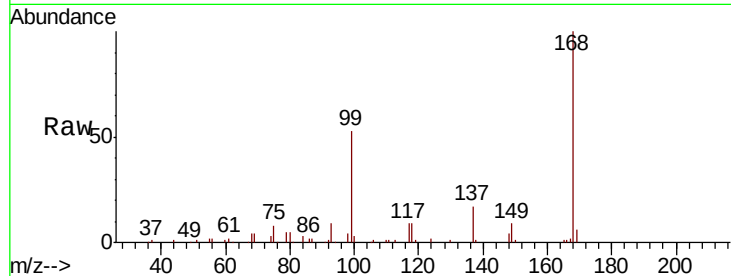
Tot Ion:117 Resp: 12833

Ion Ratio Lower Upper

117 100

119 7.4 76.2 114.4#

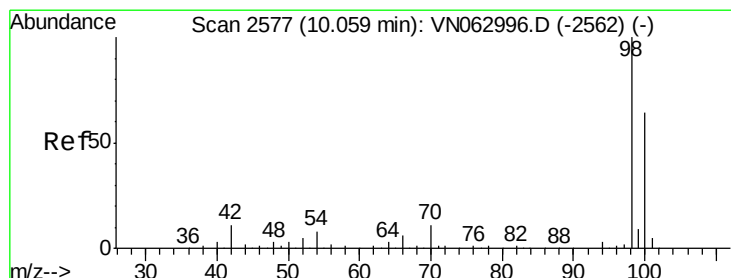
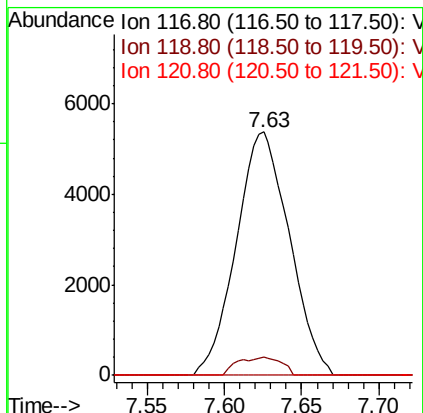
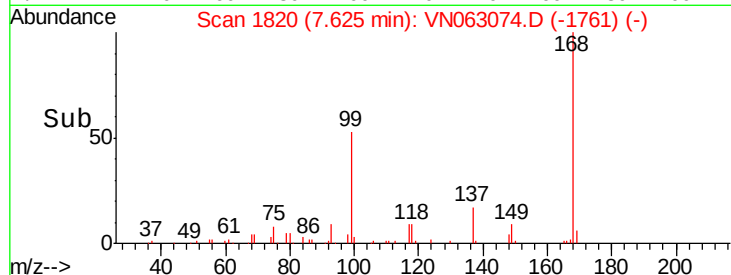
121 0.0 24.2 36.2#



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: 50.828 ug/l

RT: 10.06 min Scan# 2577

Delta R.T. -0.00 min

Lab File: VN063074.D

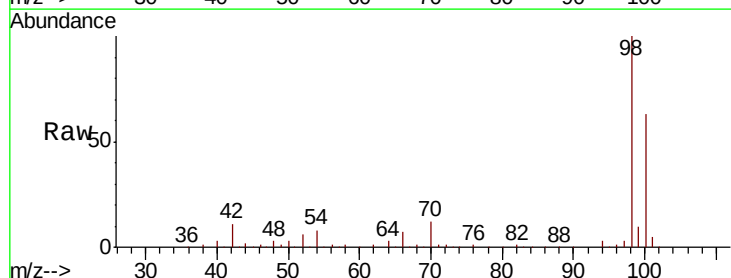
Acq: 21 Aug 2020 12:21

Tgt Ion: 98 Resp: 306772

Ion Ratio Lower Upper

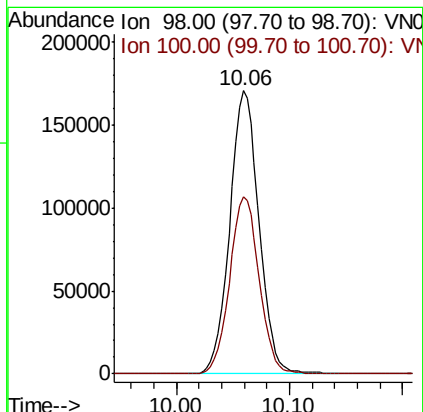
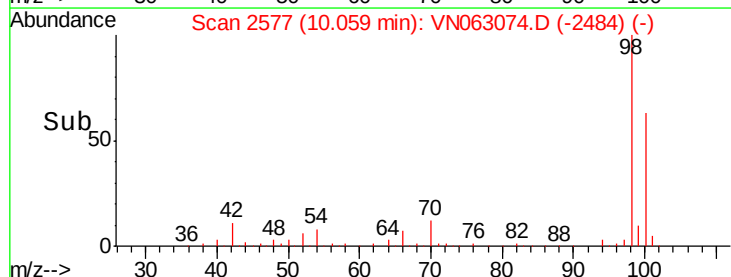
98 100

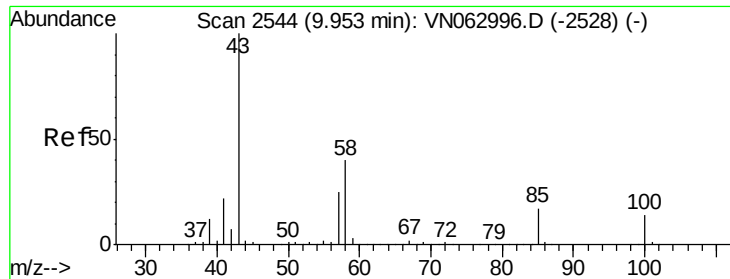
100 63.2 51.2 76.8



Abundance Ion 98.00 (97.70 to 98.70): VN

Ion 100.00 (99.70 to 100.70): VN





#51

4-Methyl-2-Pentanone

Concen: 0.579 ug/l

RT: 10.06 min Scan# 2577

Delta R.T. 0.11 min

Lab File: VN063074.D

Acq: 21 Aug 2020 12:21

Instrument :

MSVOA_N

ClientSampled :

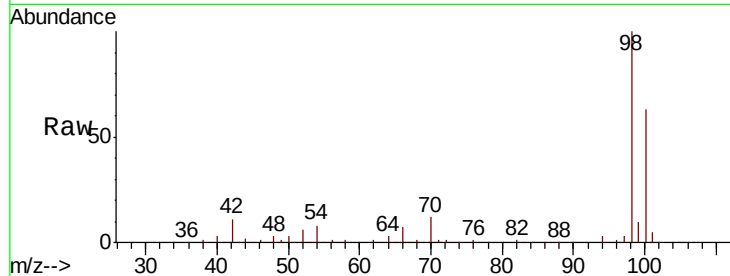
VN0821WBL02

Tot Ion: 43 Resp: 1208

Ion Ratio Lower Upper

43 100

58 182.7 32.2 48.2#



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0

1500

1000

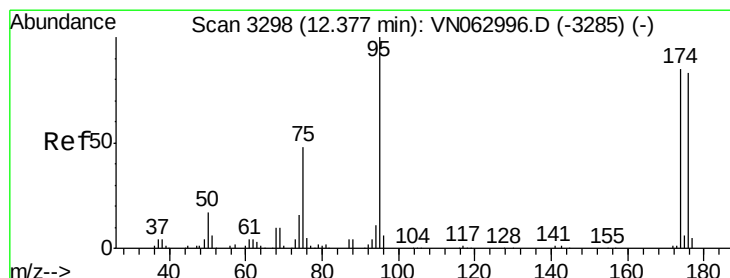
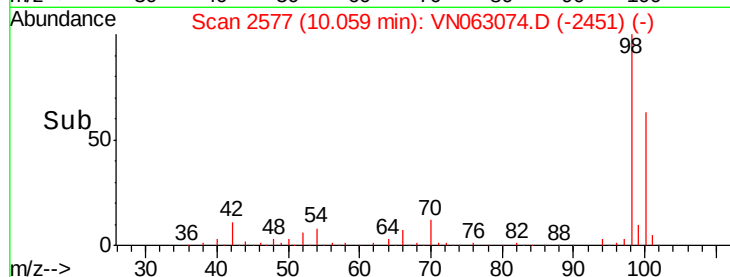
500

0

10.05

10.10

Time-->



#62

4-Bromofluorobenzene

Concen: 47.007 ug/l

RT: 12.38 min Scan# 3298

Delta R.T. -0.00 min

Lab File: VN063074.D

Acq: 21 Aug 2020 12:21

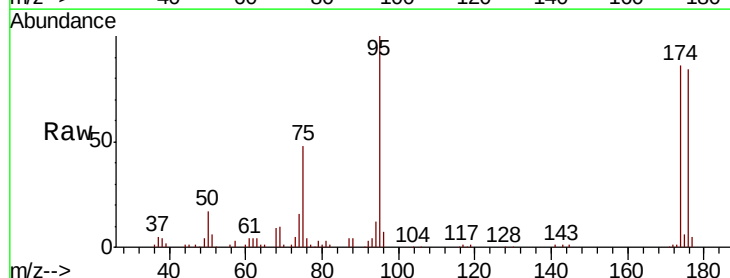
Tgt Ion: 95 Resp: 100117

Ion Ratio Lower Upper

95 100

174 87.0 0.0 170.8

176 84.1 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

80000

60000

40000

20000

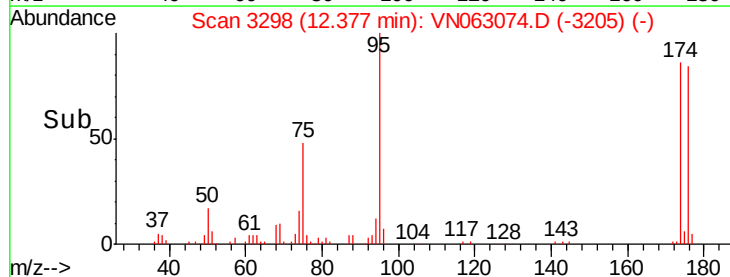
0

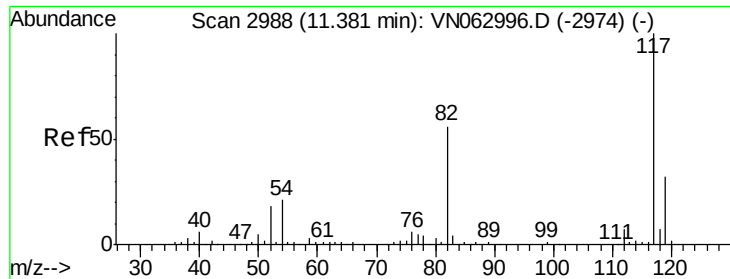
12.38

12.40

12.50

Time-->

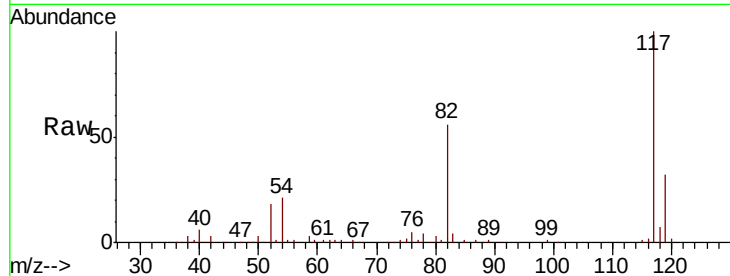




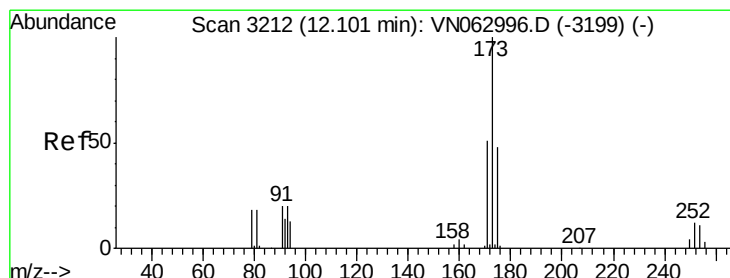
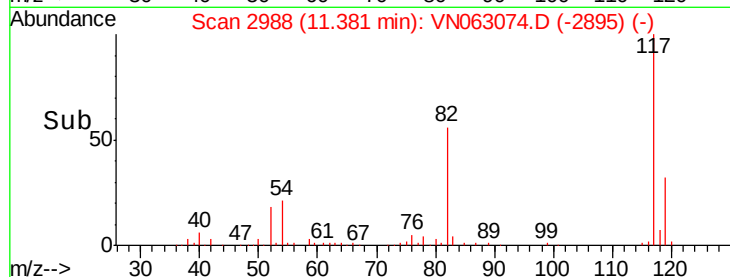
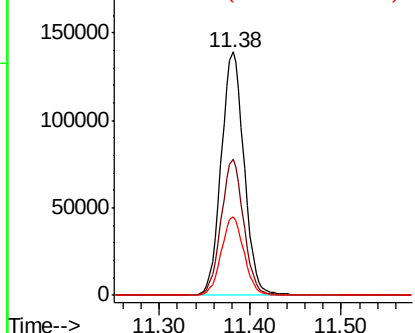
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.38 min Scan# 2988
Delta R.T. -0.00 min
Lab File: VN063074.D
Acq: 21 Aug 2020 12:21

Instrument :
MSVOA_N
ClientSampleId :
VN0821WBL02

Tot Ion:117 Resp: 243332
Ion Ratio Lower Upper
117 100
82 55.7 44.5 66.7
119 32.1 25.5 38.3

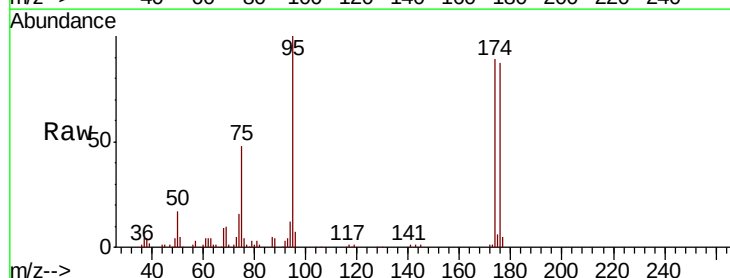


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

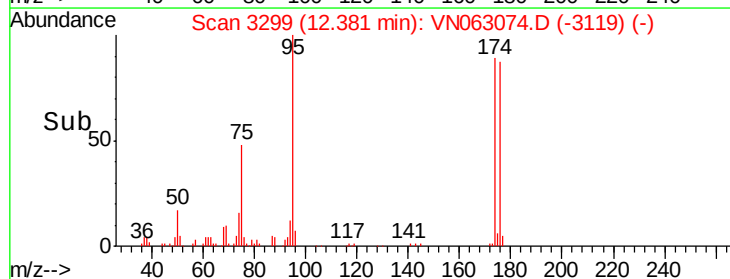
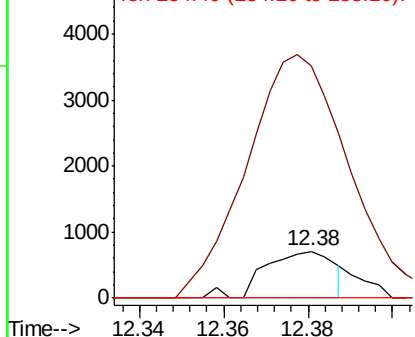


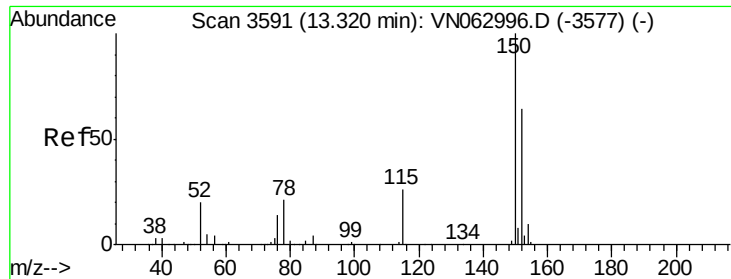
#71
Bromoform
Concen: 0.539 ug/l
RT: 12.38 min Scan# 3299
Delta R.T. 0.28 min
Lab File: VN063074.D
Acq: 21 Aug 2020 12:21

Tgt Ion:173 Resp: 815
Ion Ratio Lower Upper
173 100
175 632.5 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: VN063074.D

Acq: 21 Aug 2020 12:21

Instrument :

MSVOA_N

ClientSampleId :

VN0821WBL02

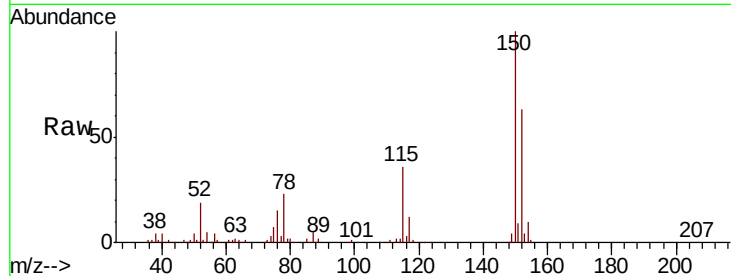
Tot Ion:152 Resp: 85268

Ion Ratio Lower Upper

152 100

115 57.6 28.7 86.3

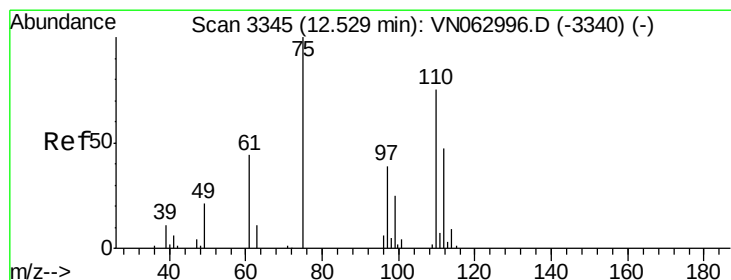
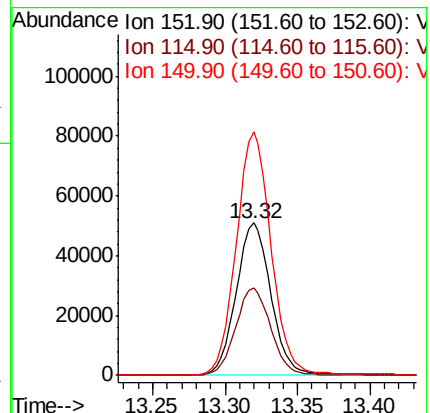
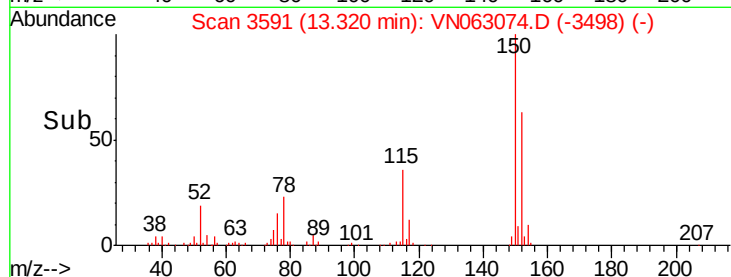
150 159.1 0.0 348.8



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: 28.975 ug/l

RT: 12.38 min Scan# 3298

Delta R.T. -0.15 min

Lab File: VN063074.D

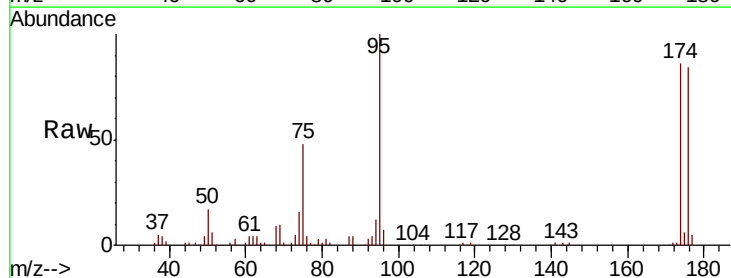
Acq: 21 Aug 2020 12:21

Tgt Ion: 75 Resp: 48024

Ion Ratio Lower Upper

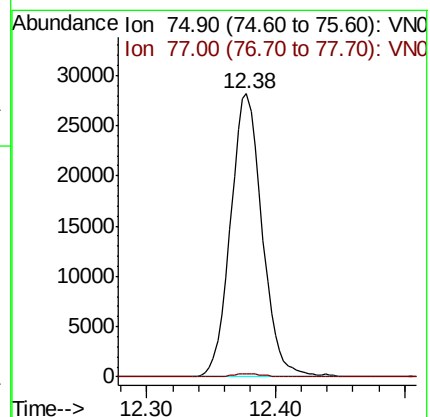
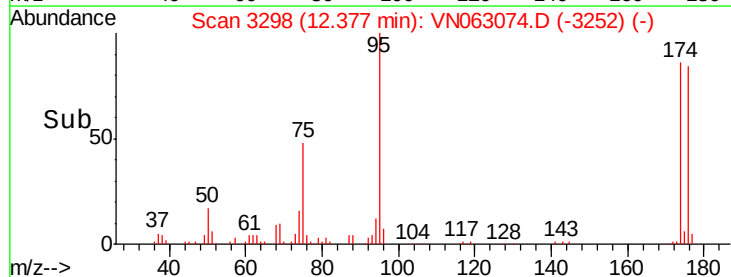
75 100

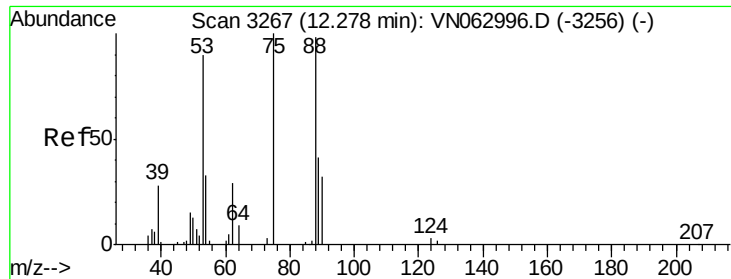
77 1.0 0.0 0.0#



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: 79.579 ug/l

RT: 12.38 min Scan# 3298

Delta R.T. 0.10 min

Lab File: VN063074.D

Acq: 21 Aug 2020 12:21

Instrument :

MSVOA_N

ClientSampleId :

VN0821WBL02

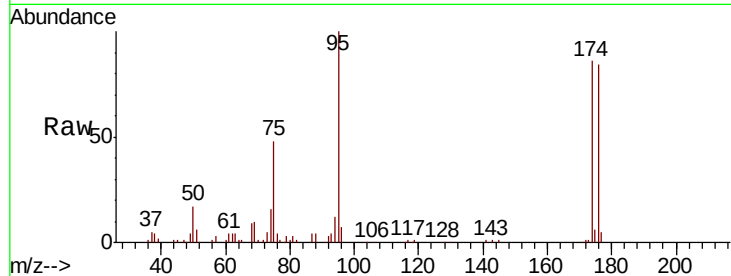
Tot Ion: 75 Resp: 48024

Ion Ratio Lower Upper

75 100

53 0.0 69.2 103.8#

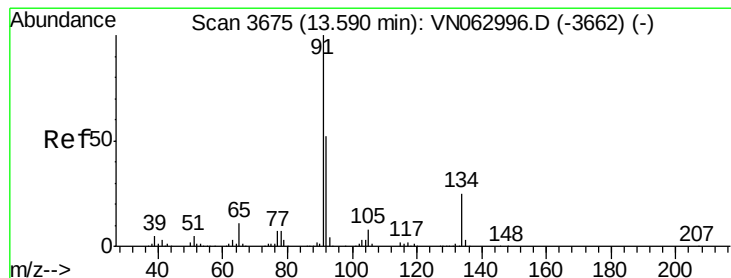
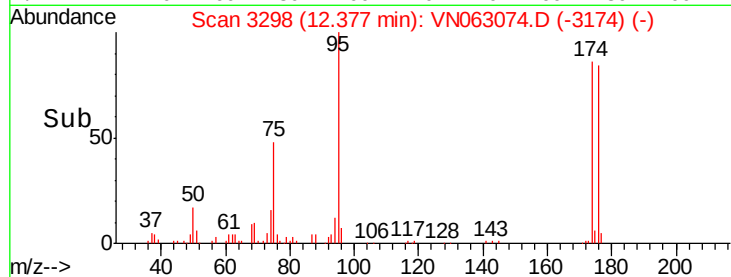
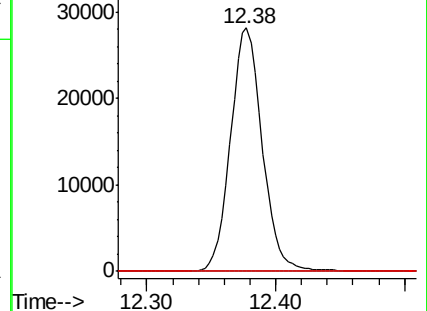
89 0.0 34.2 51.4#



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: 2.809 ug/l

RT: 13.59 min Scan# 3676

Delta R.T. 0.00 min

Lab File: VN063074.D

Acq: 21 Aug 2020 12:21

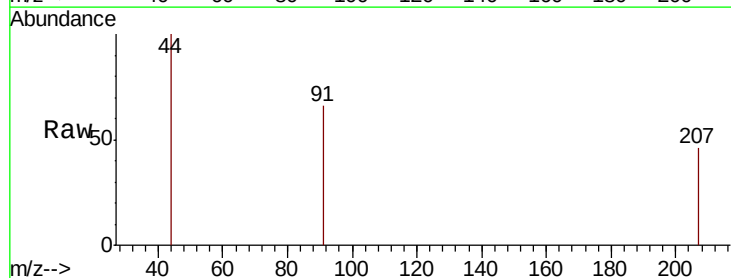
Tgt Ion: 91 Resp: 191

Ion Ratio Lower Upper

91 100

92 0.0 25.9 77.6#

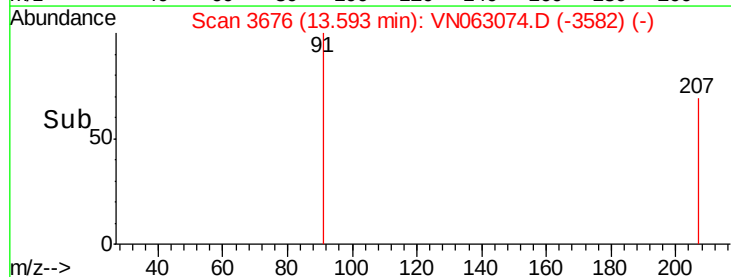
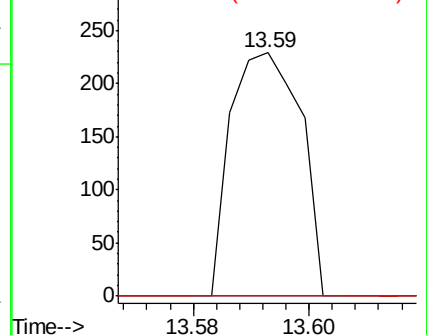
134 0.0 12.4 37.0#

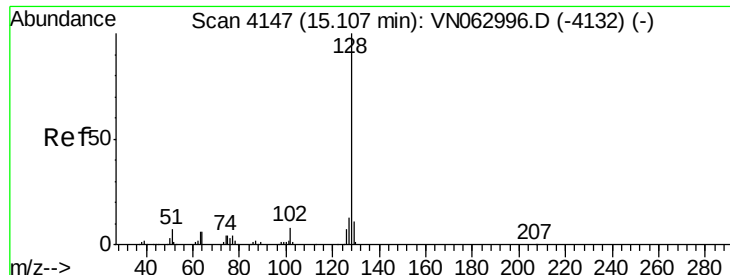


Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 92.00 (91.70 to 92.70): VN0

Ion 134.00 (133.70 to 134.70): V





#95

Naphthalene

Concen: 5.833 ug/l

RT: 15.12 min Scan# 4150

Delta R.T. 0.01 min

Lab File: VN063074.D

Acq: 21 Aug 2020 12:21

Instrument :

MSVOA_N

ClientSampleId :

VN0821WBL02

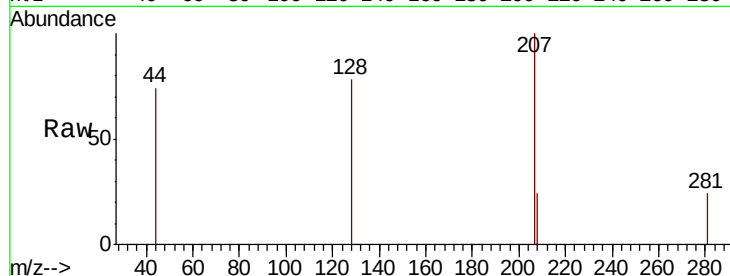
Tot Ion:128 Resp: 731

Ion Ratio Lower Upper

128 100

127 0.0 10.6 16.0#

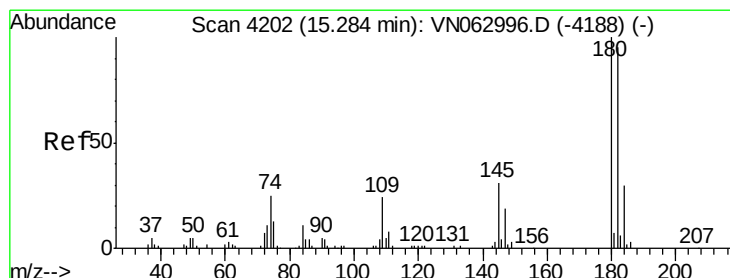
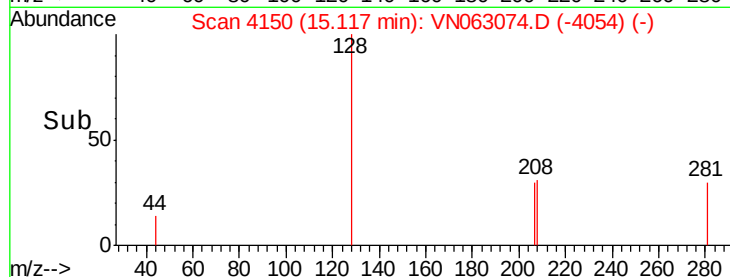
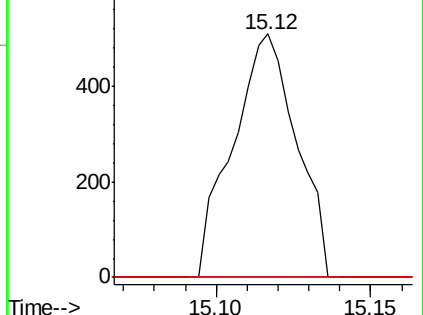
129 0.0 8.9 13.3#



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 4.026 ug/l

RT: 15.29 min Scan# 4204

Delta R.T. 0.01 min

Lab File: VN063074.D

Acq: 21 Aug 2020 12:21

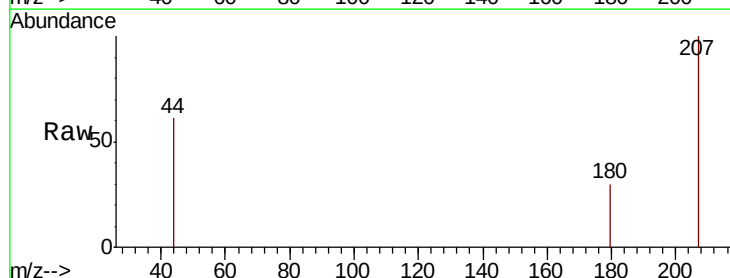
Tgt Ion:180 Resp: 95

Ion Ratio Lower Upper

180 100

182 0.0 47.3 141.9#

145 0.0 15.6 46.7#



Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.90 (144.60 to 145.60): V

