

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN050620\
 Data File : VN061304.D
 Acq On : 6 May 2020 13:00
 Operator : JC/MD
 Sample : VN0506MBL01
 Misc : 5.00g/10mL/100uL/5.00mL/MSVOA_N/MEOH
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: May 07 03:07:59 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N042720W.M
 Quant Title : SW846 8260
 QLast Update : Tue May 05 07:01:08 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.62	168	90568	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.55	114	161910	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	149495	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	59684	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	7.99	65	74284	51.84	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.68%	
35) Dibromofluoromethane	7.54	113	48326	50.48	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.96%	
50) Toluene-d8	10.06	98	197304	50.55	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.10%	
62) 4-Bromofluorobenzene	12.38	95	68972	46.96	ug/l	0.00
Spiked Amount	50.000		Recovery	=	93.92%	

Target Compounds

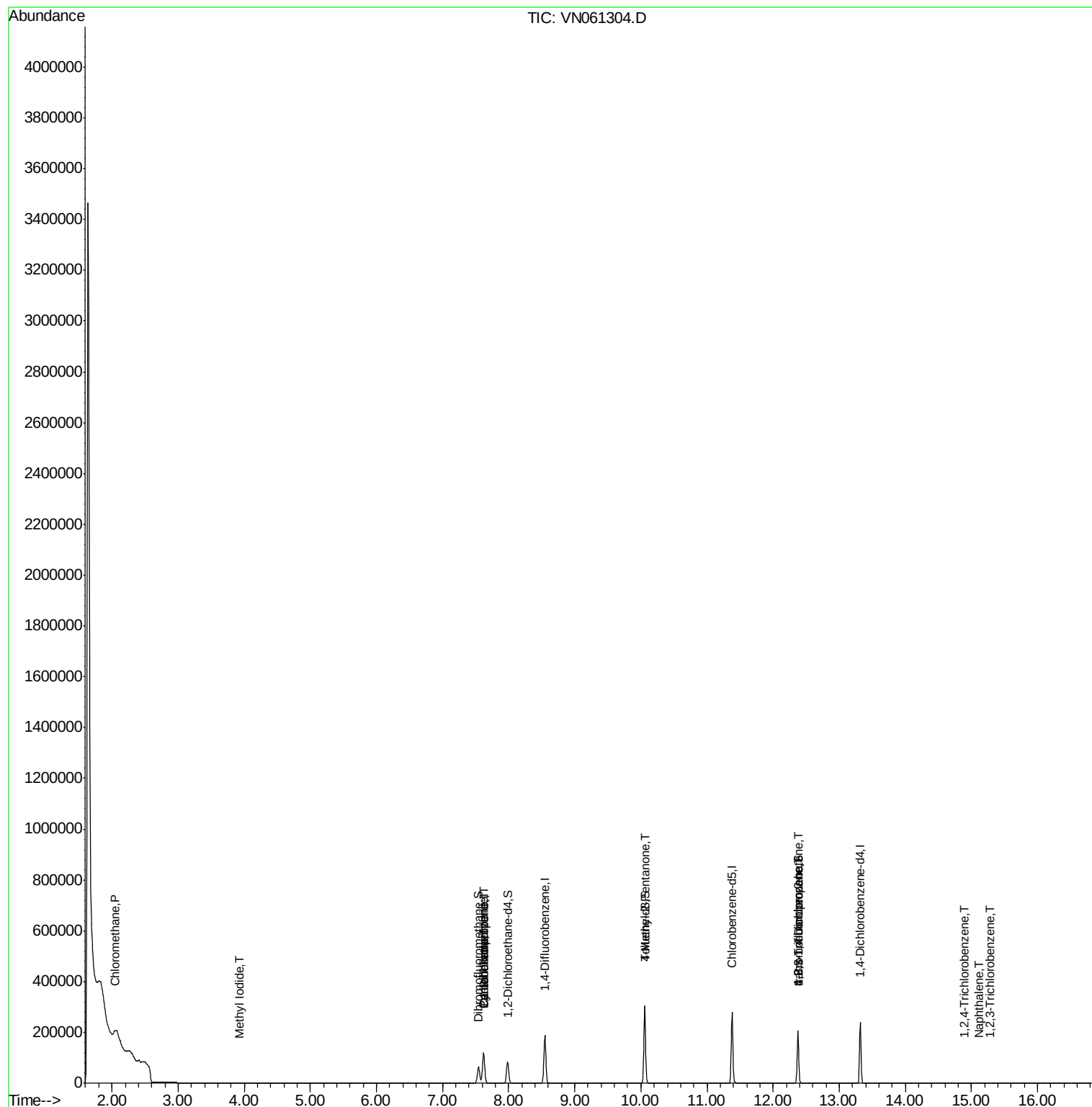
						Qvalue
3) Chloromethane	2.04	50	708	0.609	ug/l #	74
10) Methyl Iodide	3.92	142	460	0.373	ug/l #	38
16) Acetone	3.78	43	683	Below Cal	#	47
31) Cyclohexane	7.62	56	2550	1.223	ug/l #	6
36) 1,1-Dichloropropene	7.62	75	8373	5.166	ug/l #	47
38) Carbon Tetrachloride	7.62	117	10045	8.769	ug/l #	16
51) 4-Methyl-2-Pentanone	10.06	43	1111	0.599	ug/l #	1
76) 1,2,3-Trichloropropane	12.38	75	39047	31.032	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.38	75	39047	78.804	ug/l #	8
93) 1,2,4-Trichlorobenzene	14.89	180	235	0.216	ug/l #	43
95) Naphthalene	15.11	128	1101	0.311	ug/l #	69
96) 1,2,3-Trichlorobenzene	15.29	180	240	0.223	ug/l #	55

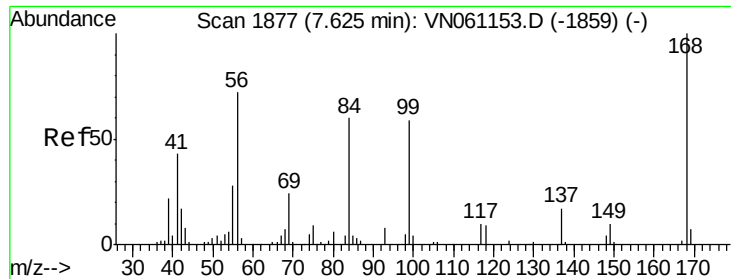
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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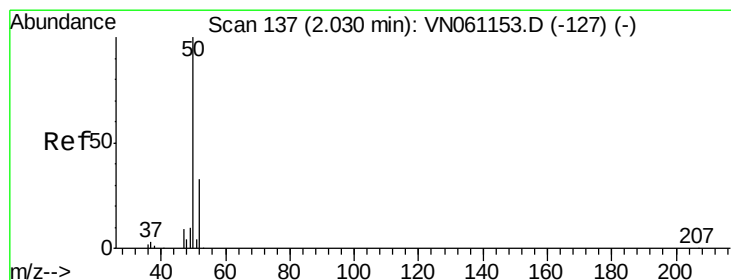
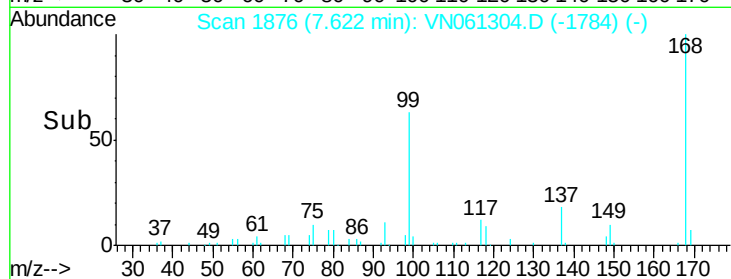
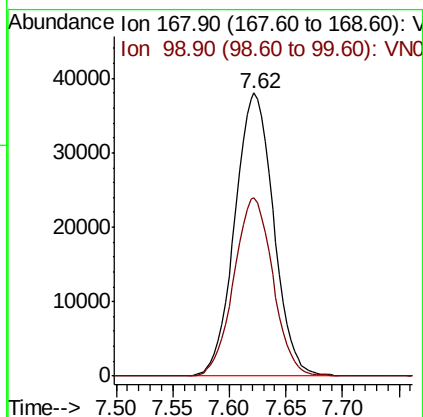
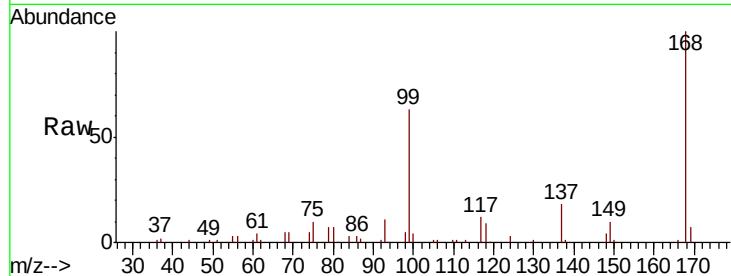




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.62 min Scan# 1876
Delta R.T. -0.00 min
Lab File: VN061304.D
Acq: 6 May 2020 13:00

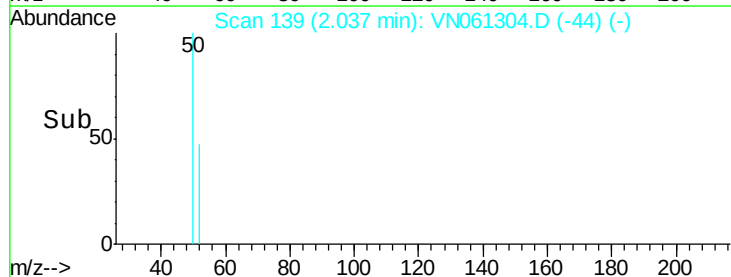
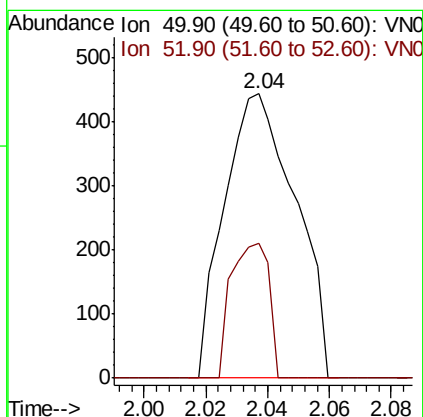
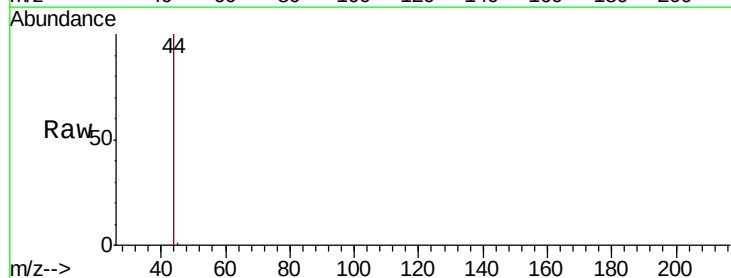
Instrument :
MSVOA_N
ClientSampleId :

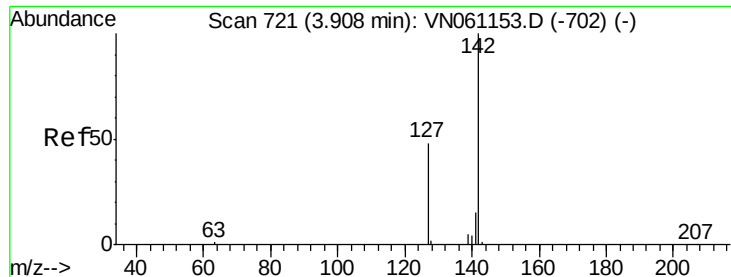
Tot Ion:168 Resp: 90568
Ion Ratio Lower Upper
168 100
99 63.2 51.2 76.8



#3
Chloromethane
Concen: 0.609 ug/l
RT: 2.04 min Scan# 139
Delta R.T. 0.01 min
Lab File: VN061304.D
Acq: 6 May 2020 13:00

Tgt Ion: 50 Resp: 708
Ion Ratio Lower Upper
50 100
52 47.2 26.0 39.0#

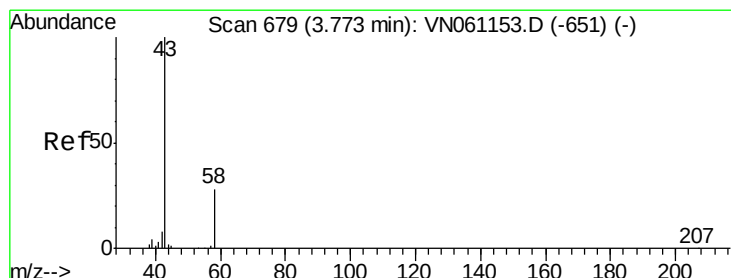
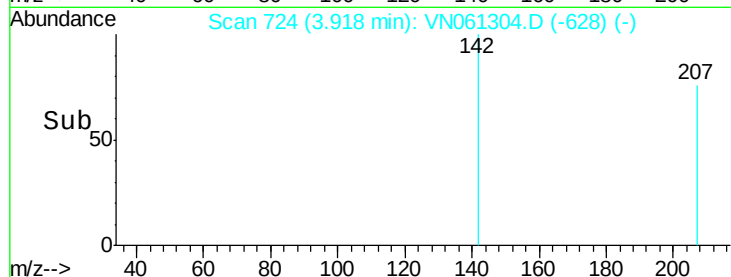
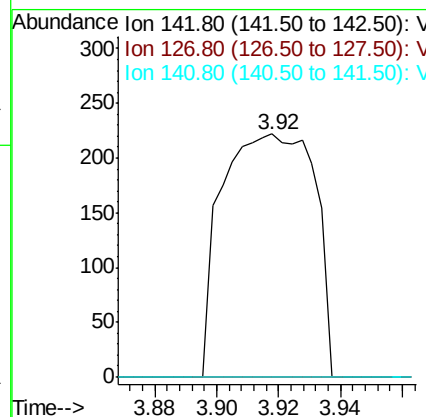
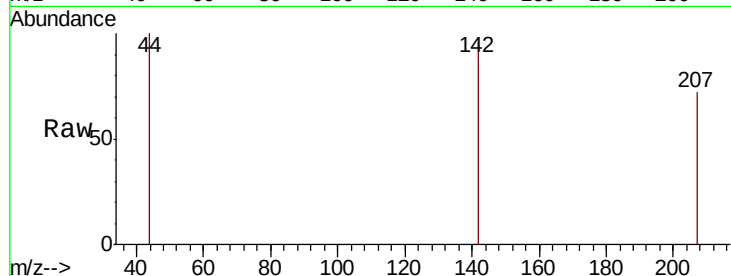




#10
Methvl Iodide
Concen: 0.373 ug/l
RT: 3.92 min Scan# 724
Delta R.T. 0.01 min
Lab File: VN061304.D
Acq: 6 May 2020 13:00

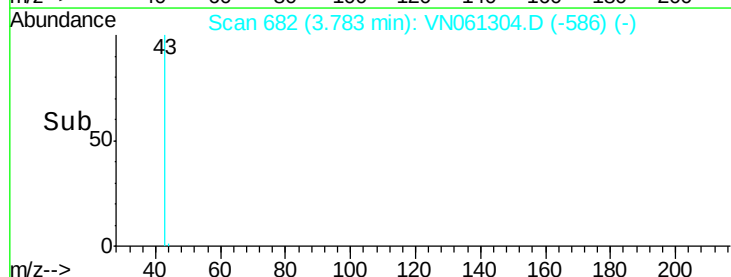
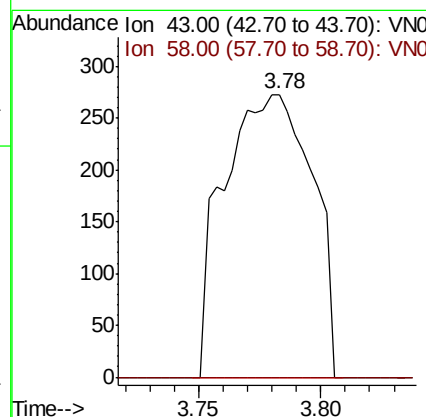
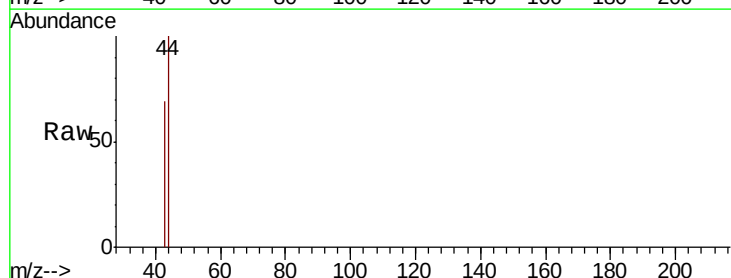
Instrument :
MSVOA_N
ClientSampleId :

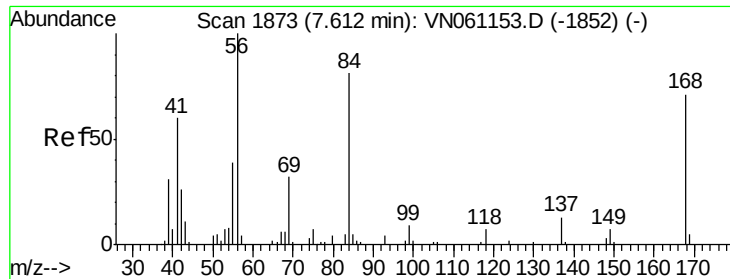
Tot Ion:142 Resp: 460
Ion Ratio Lower Upper
142 100
127 0.0 38.0 57.0#
141 0.0 11.7 17.5#



#16
Acetone
Concen: Below Cal
RT: 3.78 min Scan# 682
Delta R.T. 0.01 min
Lab File: VN061304.D
Acq: 6 May 2020 13:00

Tgt Ion: 43 Resp: 683
Ion Ratio Lower Upper
43 100
58 0.0 22.2 33.2#

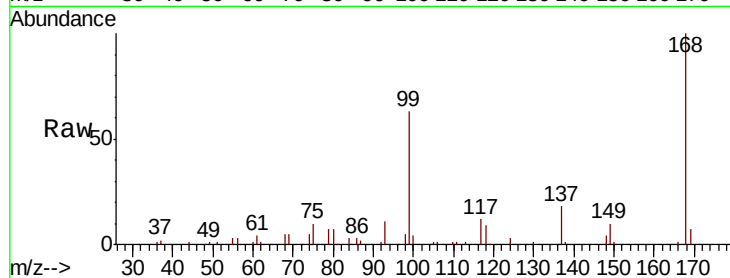




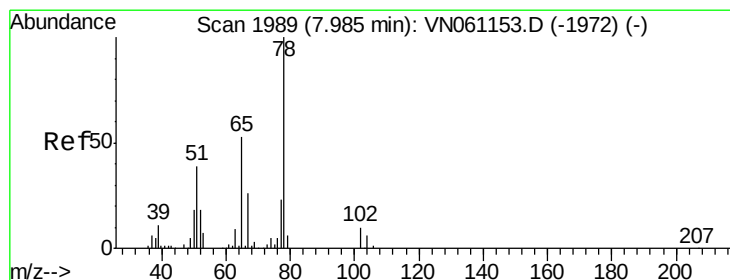
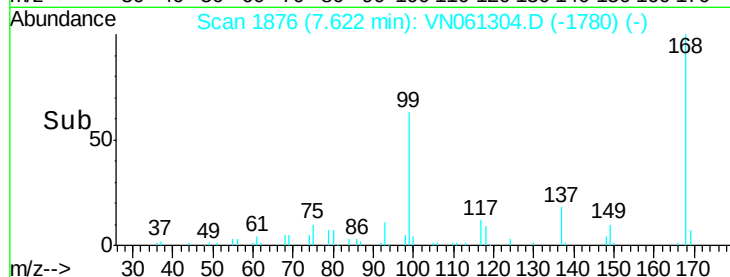
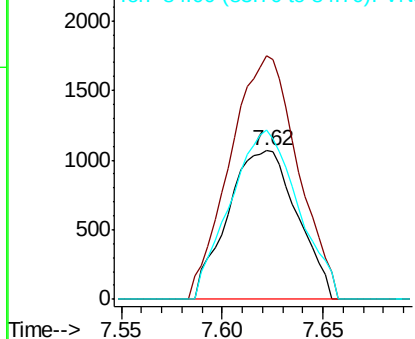
#31
Cyclohexane
Concen: 1.223 ug/l
RT: 7.62 min Scan# 1876
Delta R.T. 0.01 min
Lab File: VN061304.D
Acq: 6 May 2020 13:00

Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 56 Resp: 2550
Ion Ratio Lower Upper
56 100
69 164.0 25.7 38.5#
84 113.7 64.6 97.0#

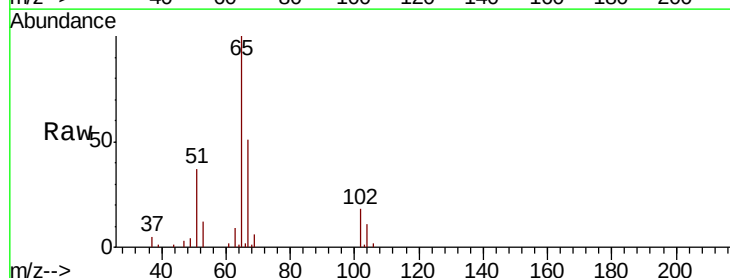


Abundance Ion 56.00 (55.70 to 56.70): VN0
Ion 69.00 (68.70 to 69.70): VN0
Ion 84.00 (83.70 to 84.70): VN0

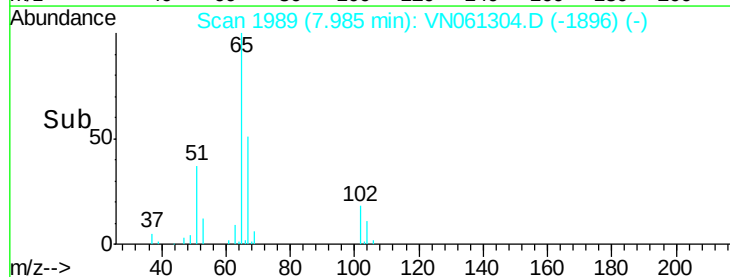
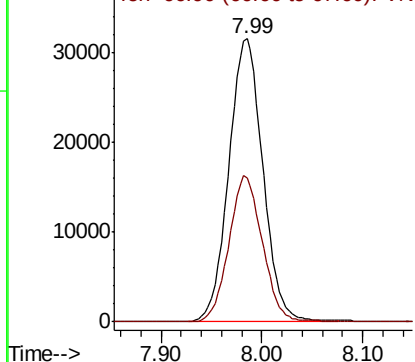


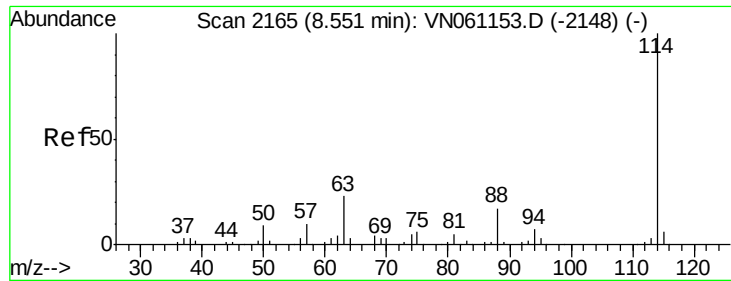
#33
1,2-Dichloroethane-d4
Concen: 51.836 ug/l
RT: 7.99 min Scan# 1989
Delta R.T. 0.00 min
Lab File: VN061304.D
Acq: 6 May 2020 13:00

Tgt Ion: 65 Resp: 74284
Ion Ratio Lower Upper
65 100
67 50.3 0.0 101.6



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

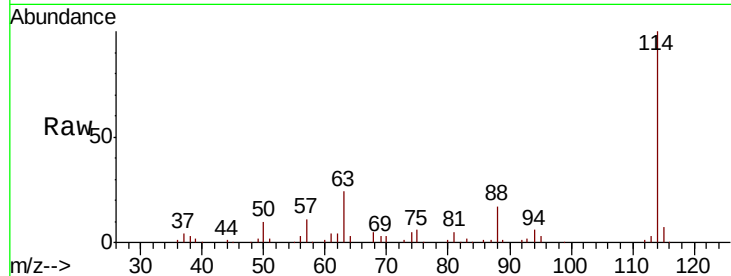




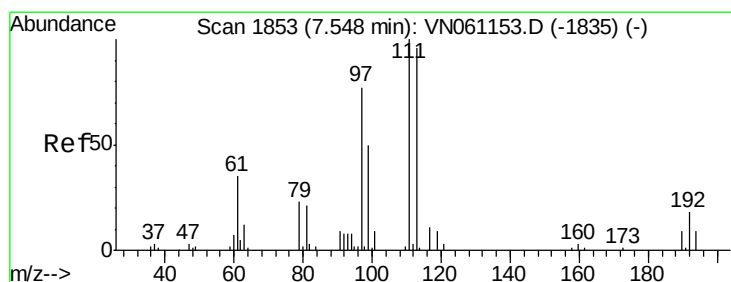
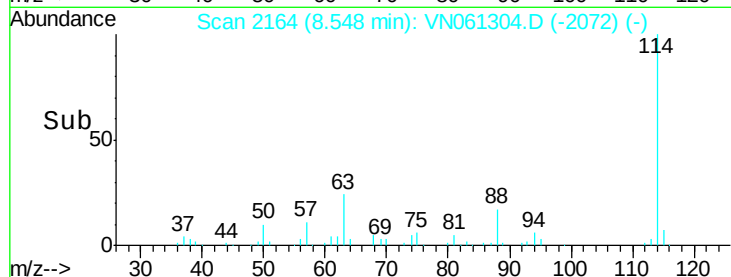
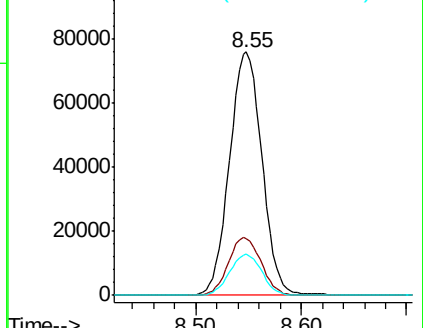
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.55 min Scan# 2164
 Delta R.T. -0.00 min
 Lab File: VN061304.D
 Acq: 6 May 2020 13:00

Instrument :
 MSVOA_N
 ClientSampleId :

Tot Ion:114 Resp: 161910
 Ion Ratio Lower Upper
 114 100
 63 23.5 0.0 46.6
 88 16.7 0.0 33.4

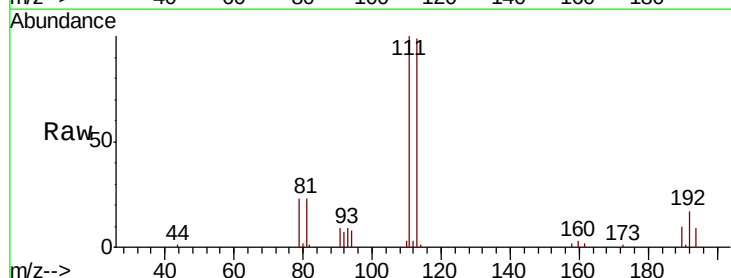


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): VN
 Ion 87.90 (87.60 to 88.60): VN

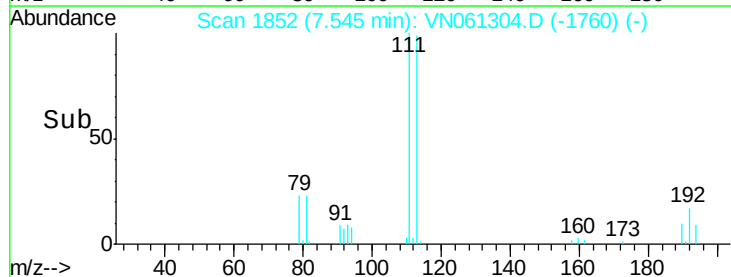
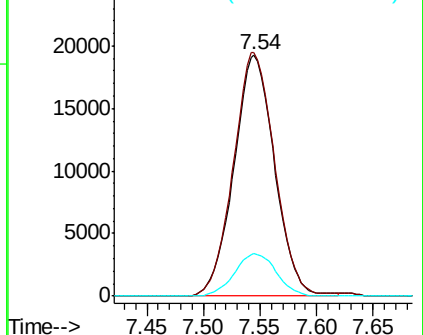


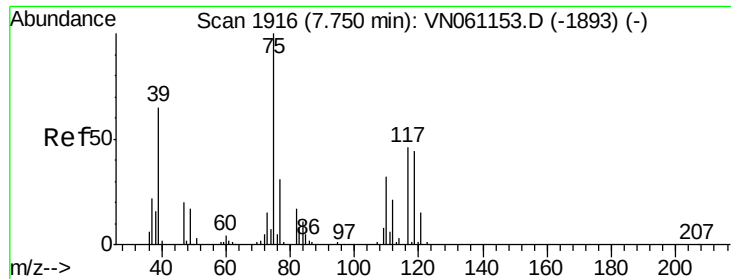
#35
 Dibromofluoromethane
 Concen: 50.476 ug/l
 RT: 7.54 min Scan# 1852
 Delta R.T. -0.00 min
 Lab File: VN061304.D
 Acq: 6 May 2020 13:00

Tgt Ion:113 Resp: 48326
 Ion Ratio Lower Upper
 113 100
 111 101.7 82.9 124.3
 192 18.0 14.7 22.1



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

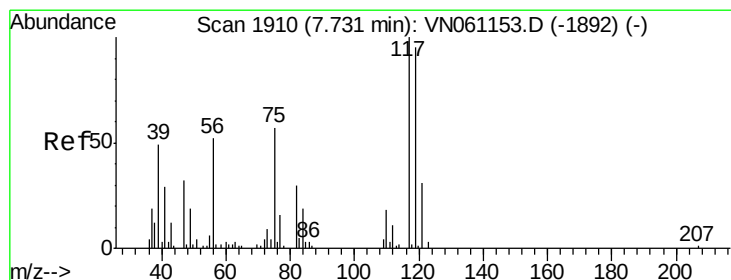
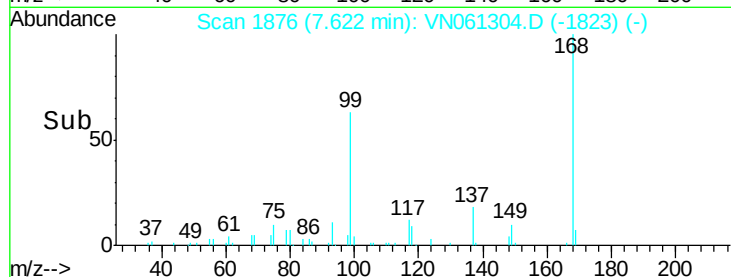
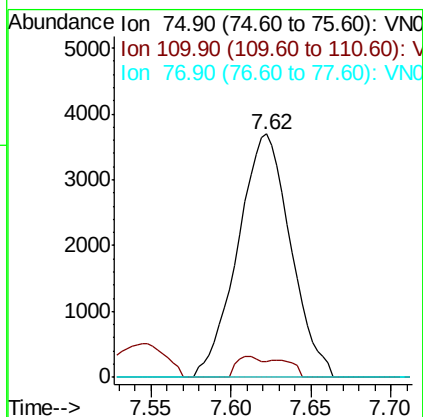
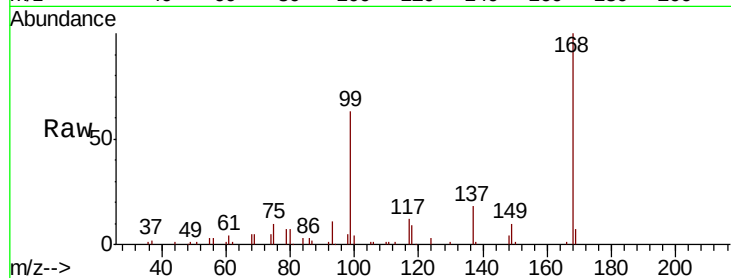




#36
 1,1-Dichloropropene
 Concen: 5.166 ug/l
 RT: 7.62 min Scan# 1876
 Delta R.T. -0.13 min
 Lab File: VN061304.D
 Acq: 6 May 2020 13:00

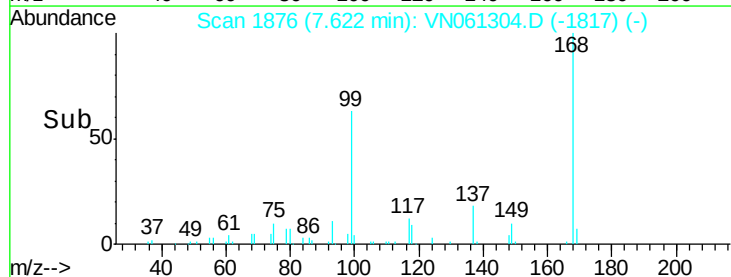
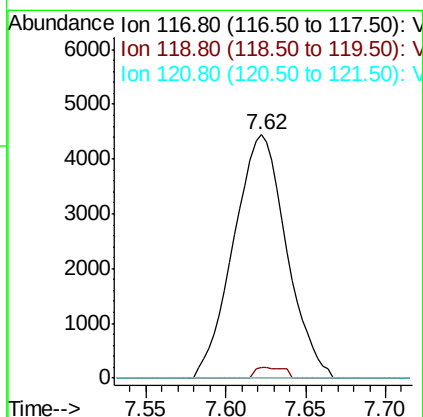
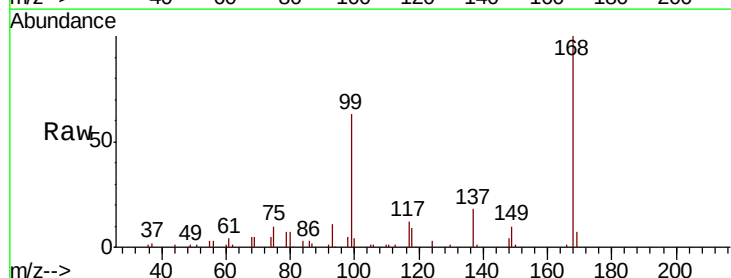
Instrument :
 MSVOA_N
 ClientSampleId :

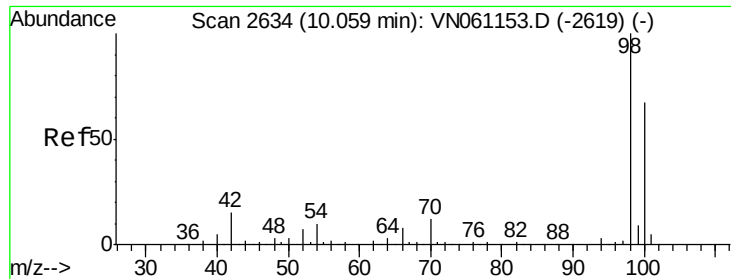
Tot Ion: 75 Resp: 8373
 Ion Ratio Lower Upper
 75 100
 110 4.3 16.0 48.0#
 77 0.0 24.6 37.0#



#38
 Carbon Tetrachloride
 Concen: 8.769 ug/l
 RT: 7.62 min Scan# 1876
 Delta R.T. -0.11 min
 Lab File: VN061304.D
 Acq: 6 May 2020 13:00

Tgt Ion: 117 Resp: 10045
 Ion Ratio Lower Upper
 117 100
 119 4.2 75.8 113.6#
 121 0.0 24.7 37.1#





#50

Toluene-d8

Concen: 50.553 ug/l

RT: 10.06 min Scan# 2634

Delta R.T. 0.00 min

Lab File: VN061304.D

Acq: 6 May 2020 13:00

Instrument :

MSVOA_N

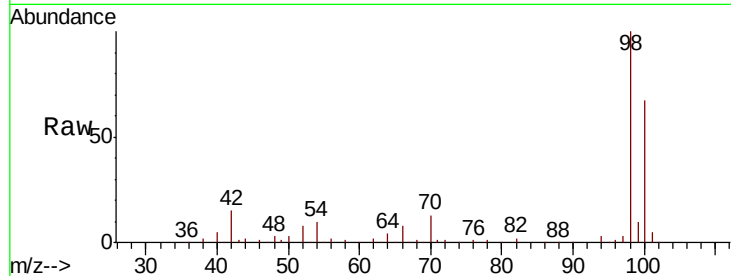
ClientSampled :

Tot Ion: 98 Resp: 197304

Ion Ratio Lower Upper

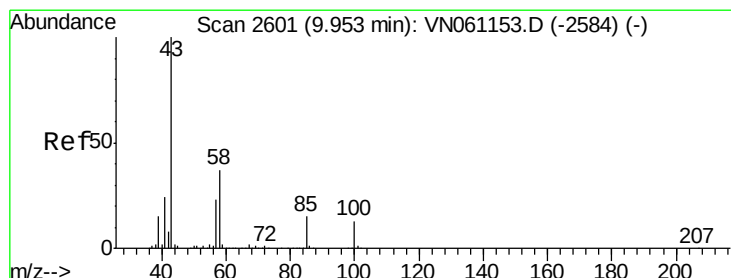
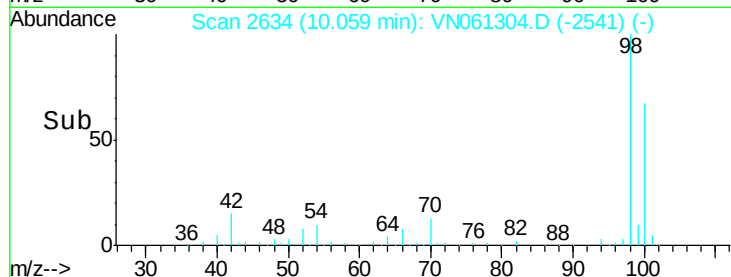
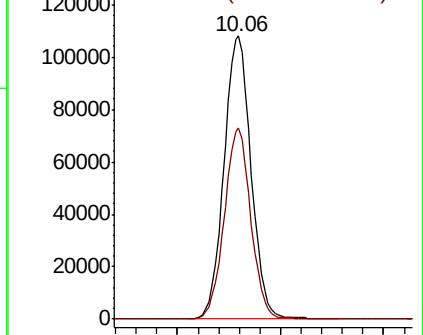
98 100

100 66.0 53.4 80.0



Abundance Ion 98.00 (97.70 to 98.70): VN0

Ion 100.00 (99.70 to 100.70): VN



#51

4-Methyl-2-Pentanone

Concen: 0.599 ug/l

RT: 10.06 min Scan# 2633

Delta R.T. 0.10 min

Lab File: VN061304.D

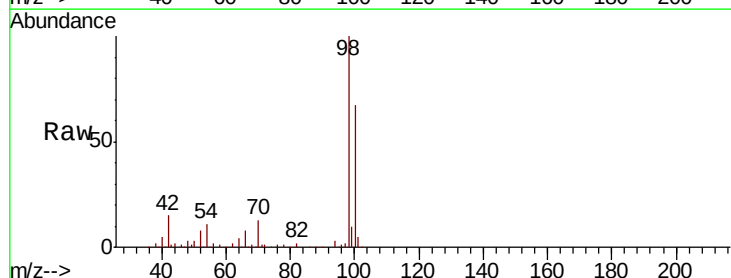
Acq: 6 May 2020 13:00

Tgt Ion: 43 Resp: 1111

Ion Ratio Lower Upper

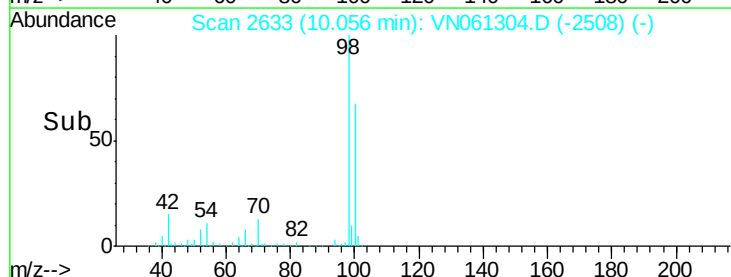
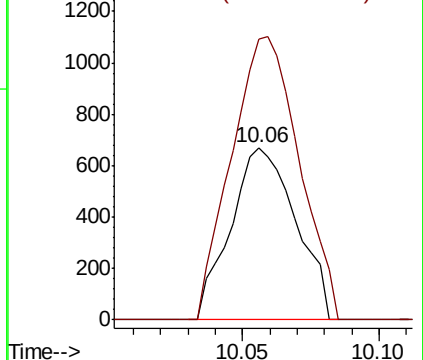
43 100

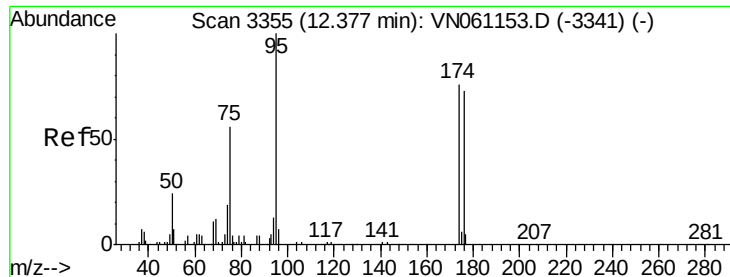
58 170.7 29.1 43.7#



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0

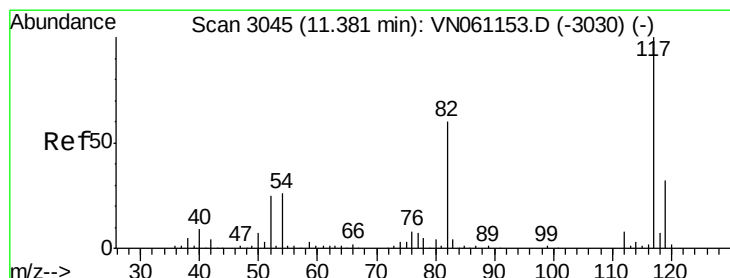
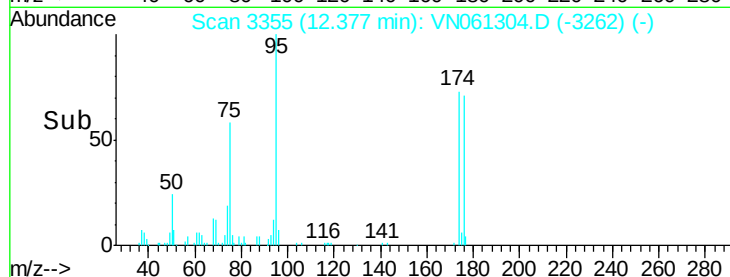
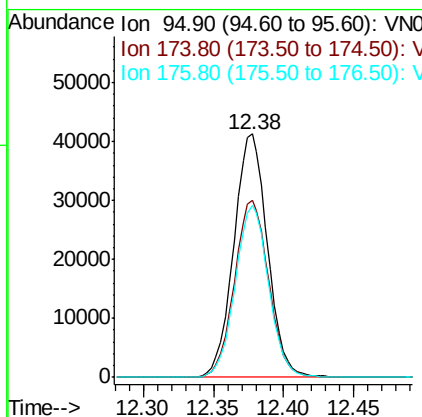
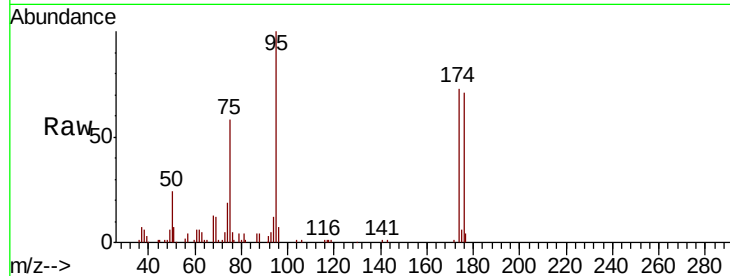




#62
4-Bromofluorobenzene
Concen: 46.960 ug/l
RT: 12.38 min Scan# 3355
Delta R.T. 0.00 min
Lab File: VN061304.D
Acq: 6 May 2020 13:00

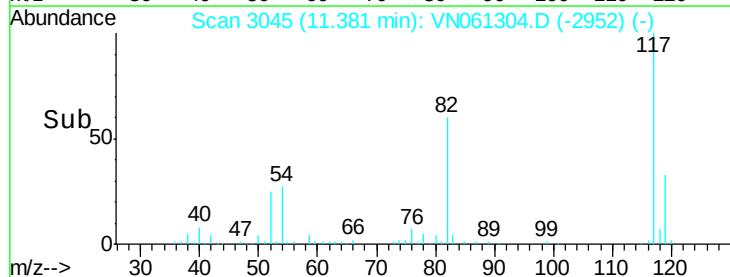
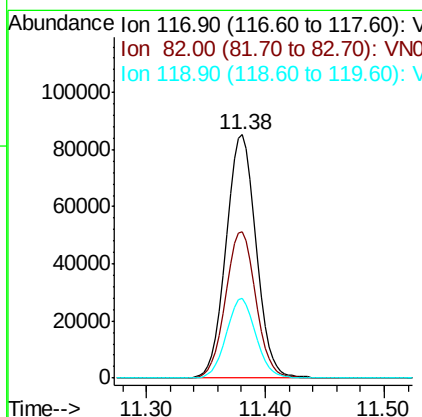
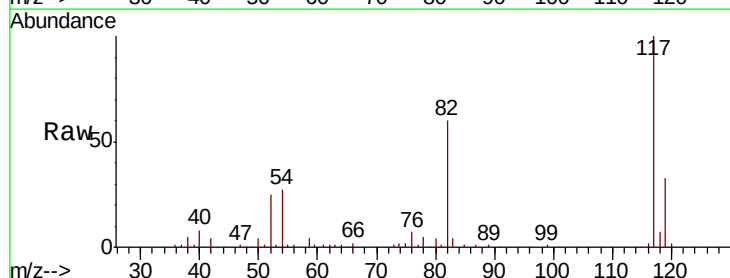
Instrument :
MSVOA_N
ClientSampled :

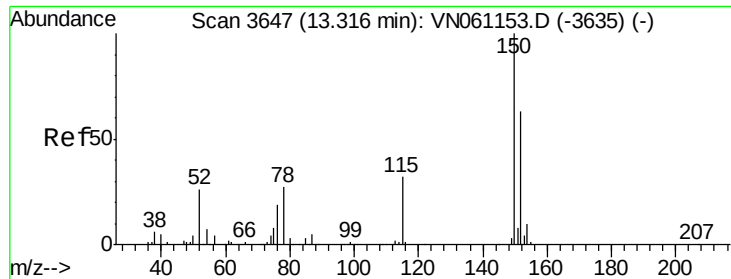
Tot Ion: 95 Resp: 68972
Ion Ratio Lower Upper
95 100
174 73.6 0.0 149.4
176 70.3 0.0 144.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.38 min Scan# 3045
Delta R.T. 0.00 min
Lab File: VN061304.D
Acq: 6 May 2020 13:00

Tgt Ion: 117 Resp: 149495
Ion Ratio Lower Upper
117 100
82 60.1 47.8 71.8
119 32.6 25.8 38.6





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.32 min Scan# 3648

Delta R.T. 0.00 min

Lab File: VN061304.D

Acq: 6 May 2020 13:00

Instrument :

MSVOA_N

ClientSampleId :

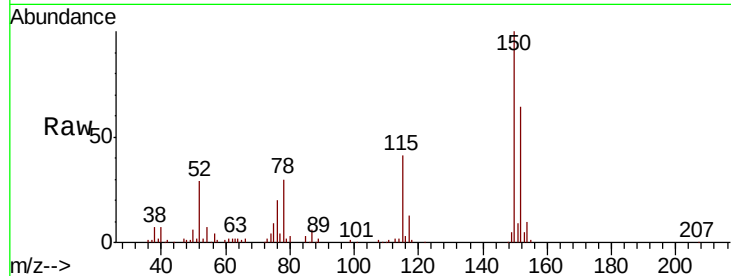
Tot Ion:152 Resp: 59684

Ion Ratio Lower Upper

152 100

115 62.7 31.0 93.0

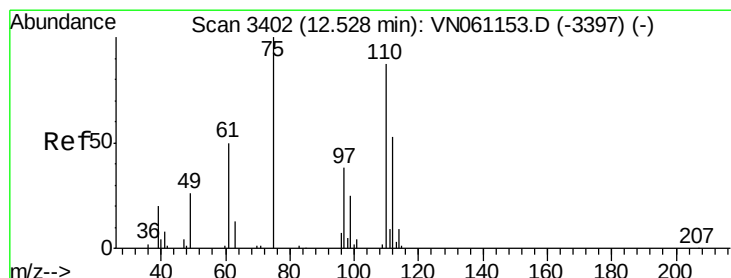
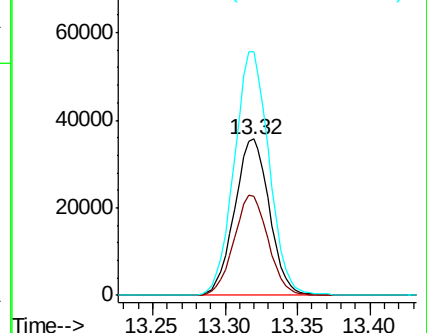
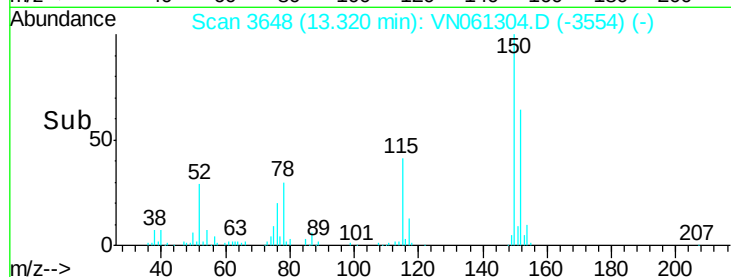
150 156.0 0.0 351.8



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: 31.032 ug/l

RT: 12.38 min Scan# 3355

Delta R.T. -0.15 min

Lab File: VN061304.D

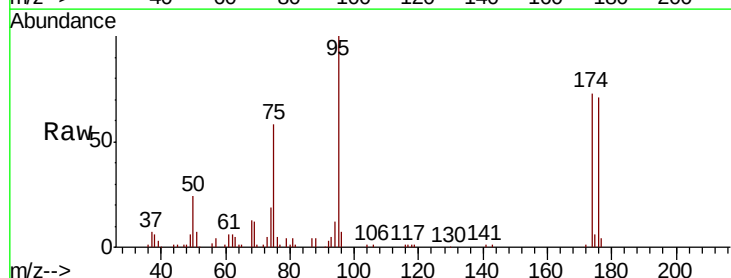
Acq: 6 May 2020 13:00

Tgt Ion: 75 Resp: 39047

Ion Ratio Lower Upper

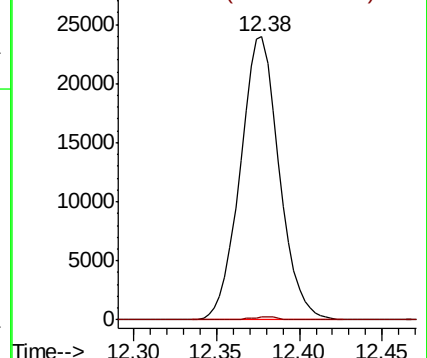
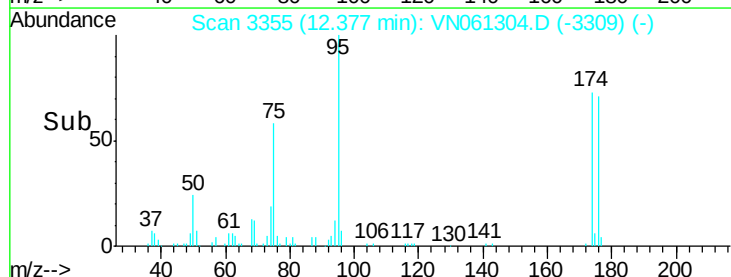
75 100

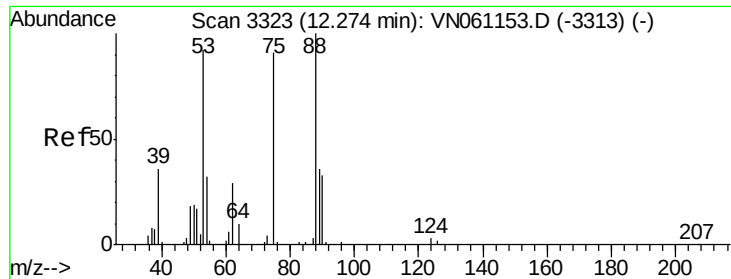
77 0.6 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): V

Ion 77.00 (76.70 to 77.70): V





#81

trans-1,4-Dichloro-2-butene

Concen: 78.804 ug/l

RT: 12.38 min Scan# 3355

Delta R.T. 0.10 min

Lab File: VN061304.D

Acq: 6 May 2020 13:00

Instrument :

MSVOA_N

ClientSampled :

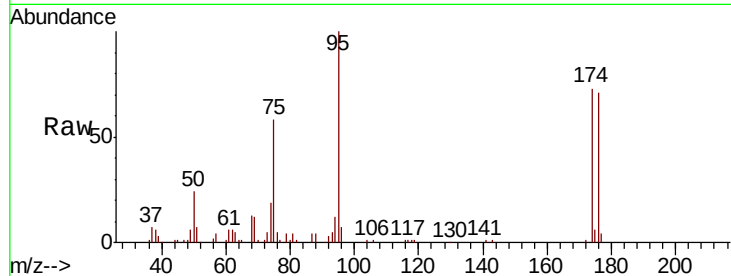
Tot Ion: 75 Resp: 39047

Ion Ratio Lower Upper

75 100

53 0.0 84.1 126.1#

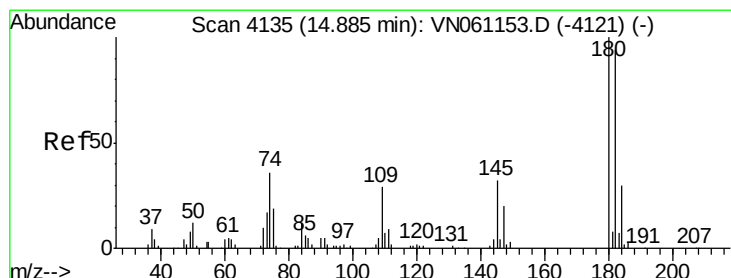
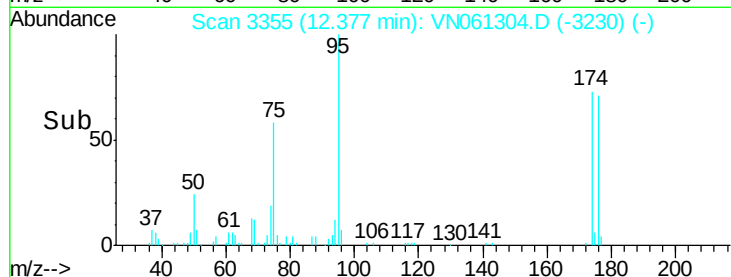
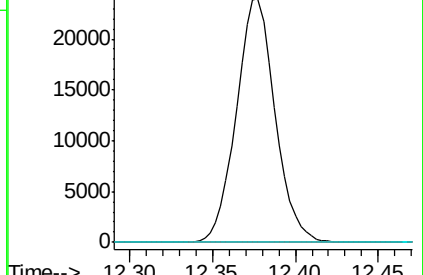
89 0.0 35.2 52.8#



Abundance Ion 74.90 (74.60 to 75.60): VN061153.D (-3313) (-)

Ion 53.00 (52.70 to 53.70): VN061153.D (-3313) (-)

Ion 88.90 (88.60 to 89.60): VN061153.D (-3313) (-)



#93

1,2,4-Trichlorobenzene

Concen: 0.216 ug/l

RT: 14.89 min Scan# 4136

Delta R.T. 0.00 min

Lab File: VN061304.D

Acq: 6 May 2020 13:00

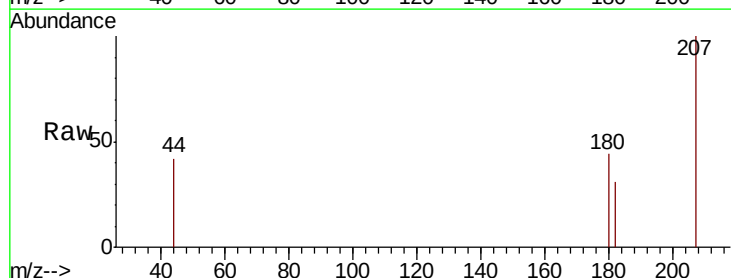
Tgt Ion: 180 Resp: 235

Ion Ratio Lower Upper

180 100

182 40.0 47.3 141.9#

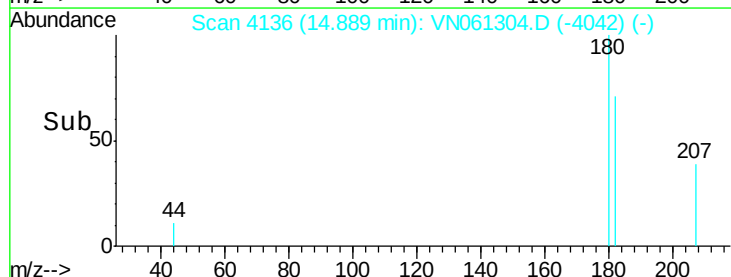
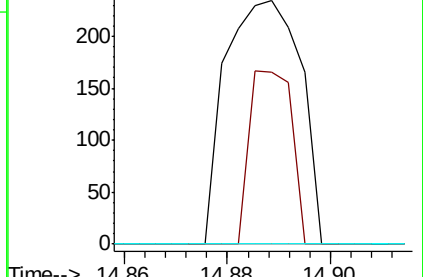
145 0.0 16.0 47.9#

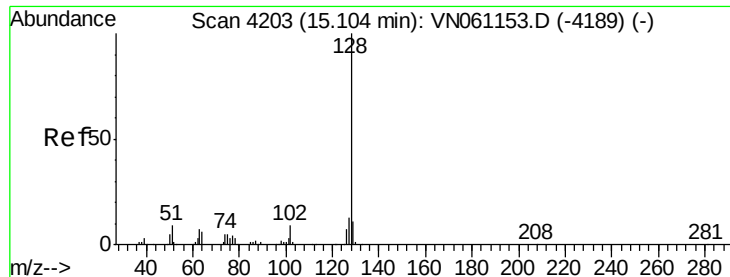


Abundance Ion 179.80 (179.50 to 180.50): VN061153.D (-4121) (-)

Ion 181.80 (181.50 to 182.50): VN061153.D (-4121) (-)

Ion 144.80 (144.50 to 145.50): VN061153.D (-4121) (-)

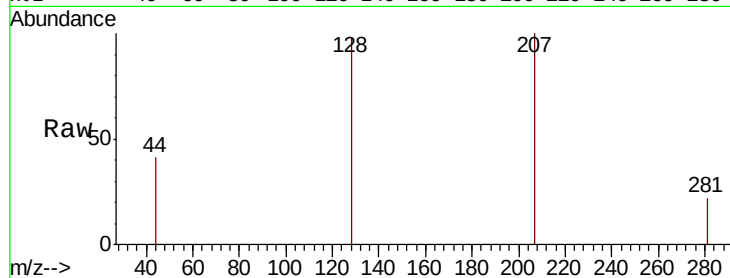




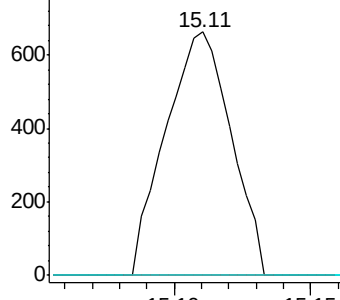
#95
Naphthalene
Concen: 0.311 ug/l
RT: 15.11 min Scan# 4205
Delta R.T. 0.01 min
Lab File: VN061304.D
Acq: 6 May 2020 13:00

Instrument :
MSVOA_N
ClientSampleId :

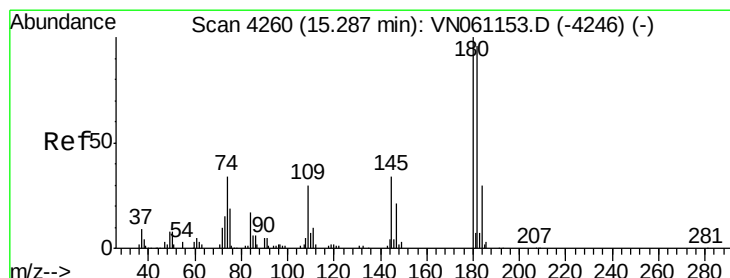
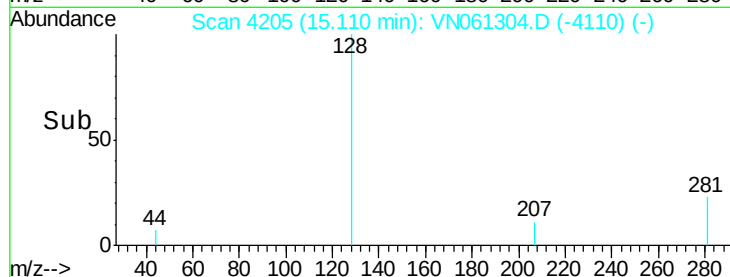
Tot Ion:128 Resp: 1101
Ion Ratio Lower Upper
128 100
127 0.0 10.4 15.6#
129 0.0 8.7 13.1#



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

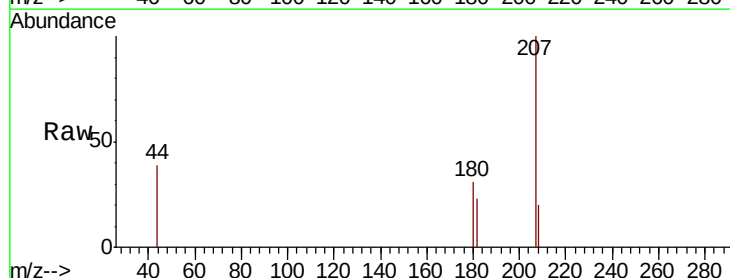


Time-->

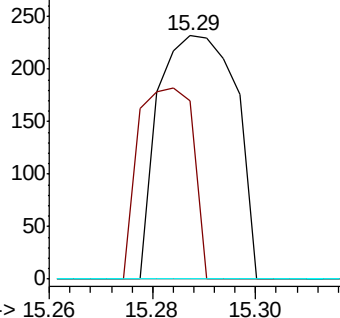


#96
1,2,3-Trichlorobenzene
Concen: 0.223 ug/l
RT: 15.29 min Scan# 4260
Delta R.T. 0.00 min
Lab File: VN061304.D
Acq: 6 May 2020 13:00

Tgt Ion:180 Resp: 240
Ion Ratio Lower Upper
180 100
182 55.8 47.5 142.5
145 0.0 16.9 50.7#



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



Time-->

